

Zoomed Pham 304553

1. Corvo_28 + 10	1561	195	228	315	353	378	416	476	510	580	614	626	697
2. QTRimeCrisis_27 + 82	1561	195	228	315	353	378	416	476	510	580	614	626	697
3. Aldrich_29 + 6	1561	195	228	315	353	378	416	476	510	580	614	626	697
4. Inyanga_26 + 23	1561	195	228	315	353	378	416	476	510	580	614	626	697
5. Fushigi_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
6. BlackName_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
7. MrGordo_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
8. Solon_27 + 15	1561	195	228	315	353	378	416	476	510	580	614	626	697
9. SkitPole_29 + 3	1561	195	228	315	353	378	416	476	510	580	614	626	697
10. Blessor_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
11. Briton15_29 + 3	1561	195	228	315	353	378	416	476	510	580	614	626	697
12. Squee_28 + 4	1561	195	228	315	353	378	416	476	510	580	614	626	697
13. JC27_29	1561	195	228	315	353	378	416	476	510	580	614	626	697
14. EnzoK_28 + 4	1561	195	228	315	353	378	416	476	510	580	614	626	697
15. DD5_28 + 1	1561	195	228	315	353	378	416	476	510	580	614	626	697
16. Ajay_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
17. Lilib10_28 + 7	1561	195	228	315	353	378	416	476	510	580	614	626	697
18. Homines_27 + 3	1561	195	228	315	353	378	416	476	510	580	614	626	697
19. Trouble_28 + 3	1561	195	228	315	353	378	416	476	510	580	614	626	697
20. BK1_25 + 1	1561	195	228	315	353	378	416	476	510	580	614	626	697
21. Fajezeel_29 + 5	1561	195	228	315	353	378	416	476	510	580	614	626	697
22. Mikhusen_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
23. GIMonster_26 + 2	1561	195	228	315	353	378	416	476	510	580	614	626	697
24. Papez_29 + 3	1561	195	228	315	353	378	416	476	510	580	614	626	697
25. CactusRose_26	1561	195	228	315	353	378	416	476	510	580	614	626	697
26. Bigfoot_26 + 1	1561	195	228	315	353	378	416	476	510	580	614	626	697
27. CarlmannCramer_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
28. Petruccio_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
29. ChristmasHams_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
30. Peterson_30	1561	195	228	315	353	378	416	476	510	580	614	626	697
31. Perseus_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
32. ProMouse_26	1561	195	228	315	353	378	416	476	510	580	614	626	697
33. Zephyr_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
34. Smeagol_29	1561	195	228	315	353	378	416	476	510	580	614	626	697
35. Dynamix_28 + 2	1561	195	228	315	353	378	416	476	510	580	614	626	697
36. Slagathor_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
37. Crispicous1_26 + 1	1561	195	228	315	353	378	416	476	510	580	614	626	697
38. Sorpresa_27 + 2	1561	195	228	315	353	378	416	476	510	580	614	626	697
39. Bircsak_27 + 2	1561	195	228	315	353	378	416	476	510	580	614	626	697
40. WhitSpic_28	1561	195	228	315	353	378	416	476	510	580	614	626	697
41. Topgun_27	1561	195	228	315	353	378	416	476	510	580	614	626	697
42. Rubeus_28 + 2	1561	195	228	315	353	378	416	476	510	580	614	626	697
43. PinkPlastic_26 + 5	1561	195	228	315	353	378	416	476	510	580	614	626	697
44. Aisiro_31	1561	195	228	315	353	378	416	476	510	580	614	626	697
45. Graduation_29	1561	195	228	315	353	378	416	476	510	580	614	626	697
46. Carlyle_29	1561	195	228	315	353	378	416	476	510	580	614	626	697
47. IgnatiusPaJac_26	1561	195	228	315	353	378	416	476	510	580	614	626	697
48. Buttons_29	1561	195	228	315	353	378	416	476	510	580	614	626	697
49. Paphu_26	1561	195	228	315	353	378	416	476	510	580	614	626	697
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Zoomed Pham 304553

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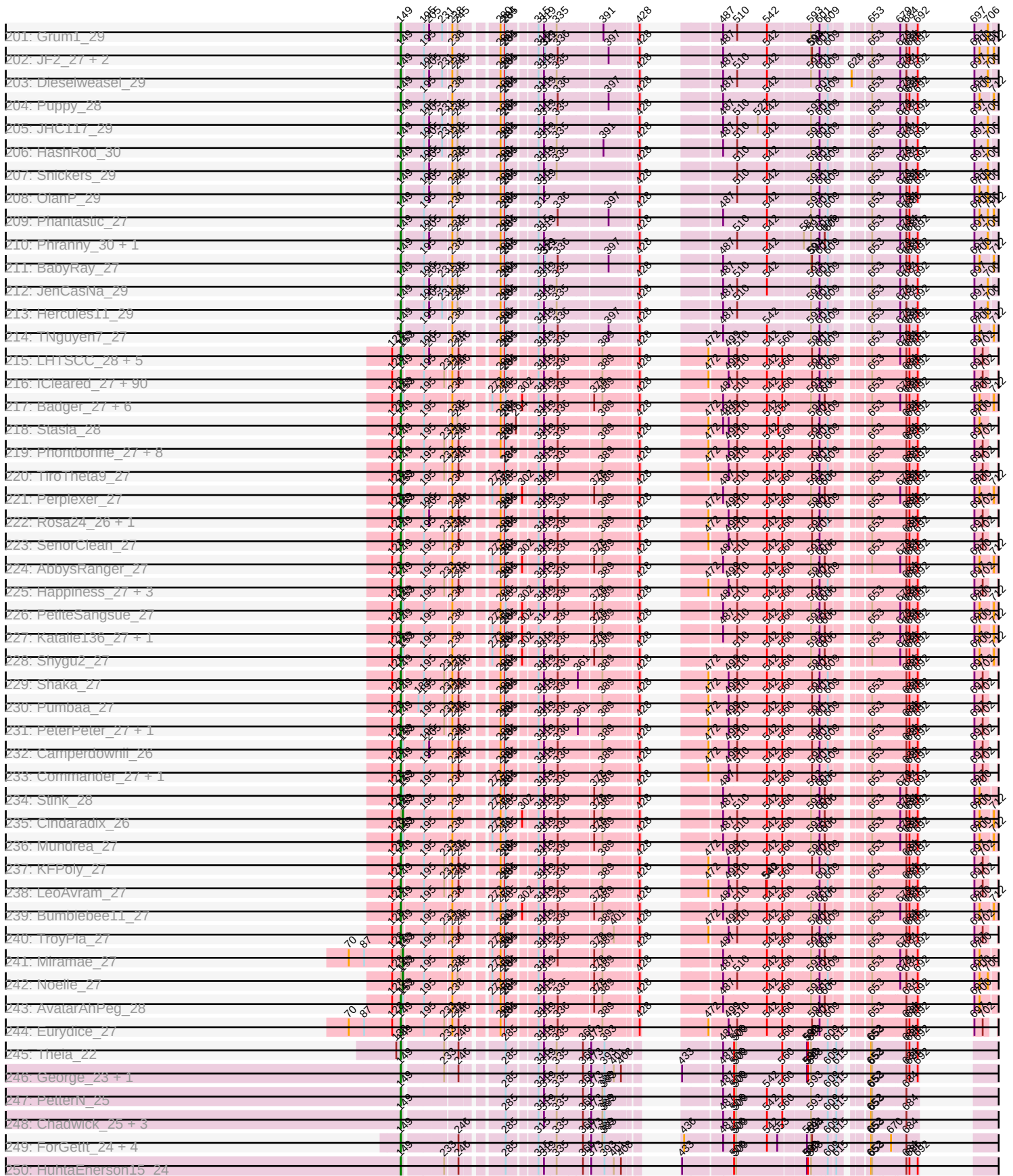
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I05: Bradman_27 + 2	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I06: Tomathan_31 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I07: Fermic_32 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I08: DBQu4n_31 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I09: ForesterFrank_29	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I10: LionsBait_29 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I11: Agape74_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I12: BobSwager_31	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I13: 2VES_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I14: Crucio_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I15: LadyBird_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I16: BabyBack_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
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I18: SwimSquare_29	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I19: Miko_31	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I20: Che12_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I21: Kalpine_31	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I22: Caraxes_27 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I23: AnnaL29_31	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I24: Loser_31	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I25: Benvolio_28 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I26: JoshKayV_30 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I27: Leogania_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
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I29: Coin_32	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I30: Archermim_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I31: StarStuff_31 + 2	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I32: Koduck_29 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I33: Serenity_27	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I34: TarsusIV_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I35: Drake55_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I36: Fameo_28 + 2	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I37: Leviathan_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I38: FiringLine_28 + 1	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I39: Jsquared_27	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
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I45: Trooper_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I46: Dalmatian_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I47: Sknot_28	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I48: Pukovnik_30	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
I49: Herbertwin_25	98	1286		245	265	286	316	336	353	389	428		4476		545	594	688	692	697
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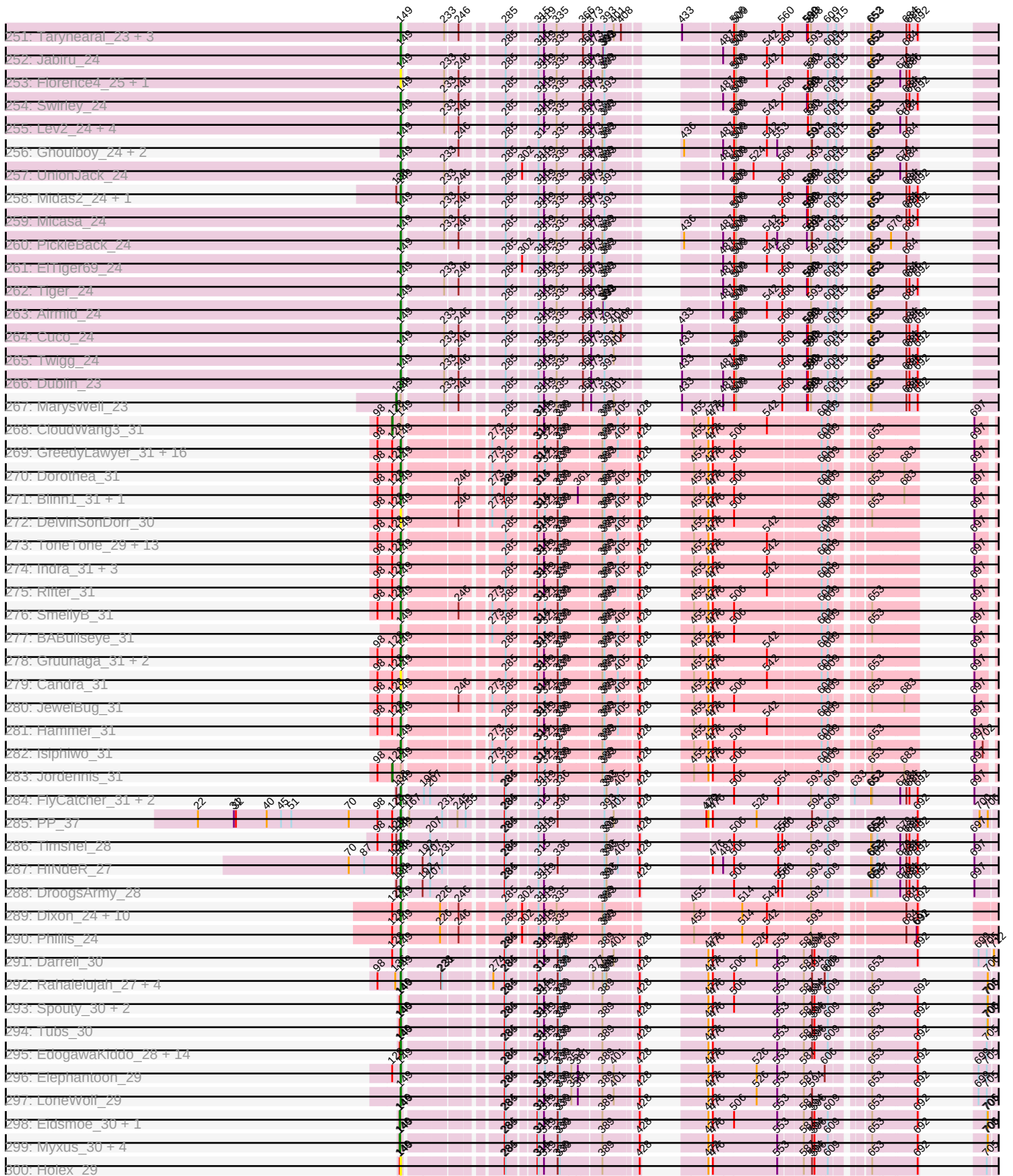
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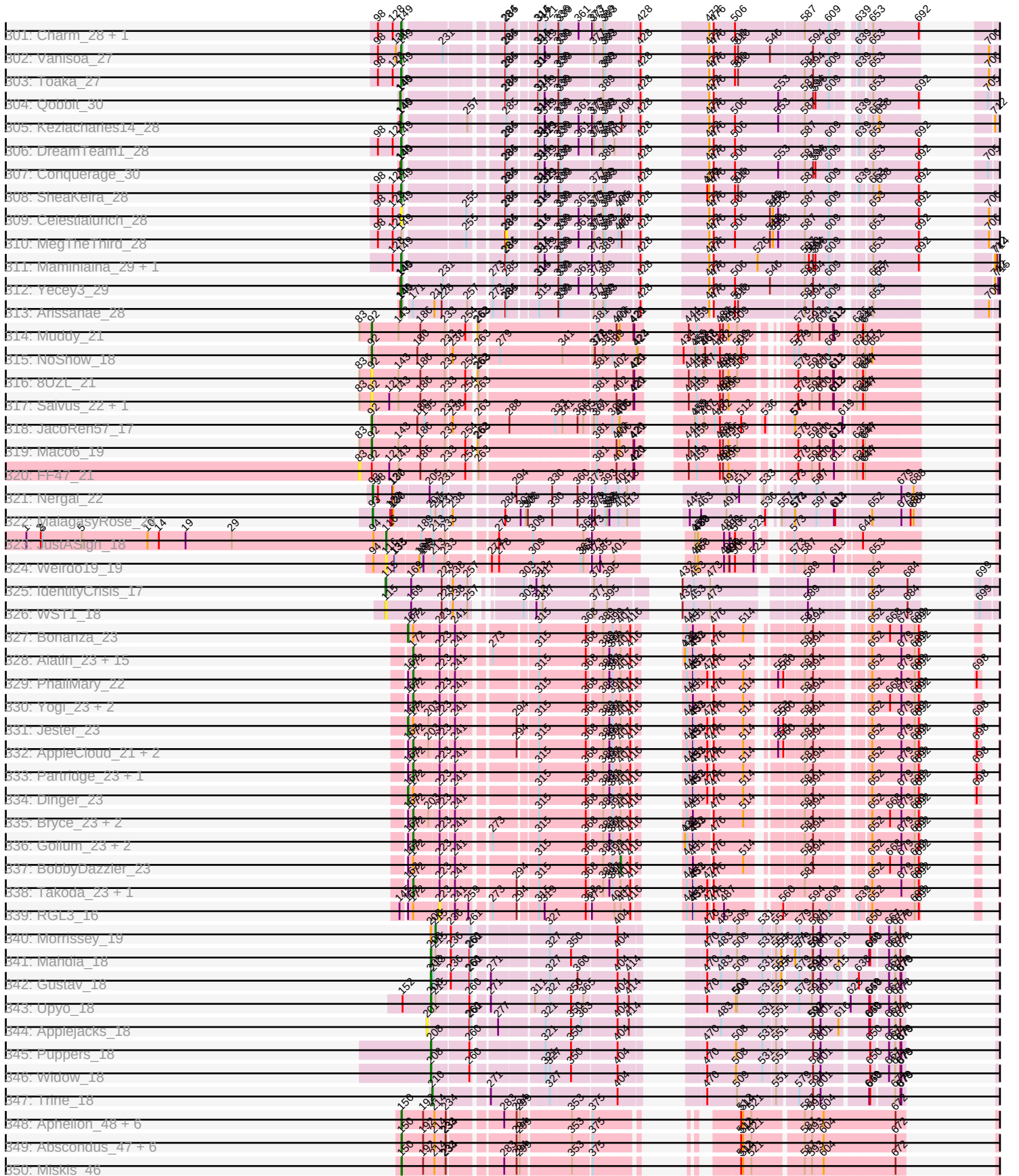
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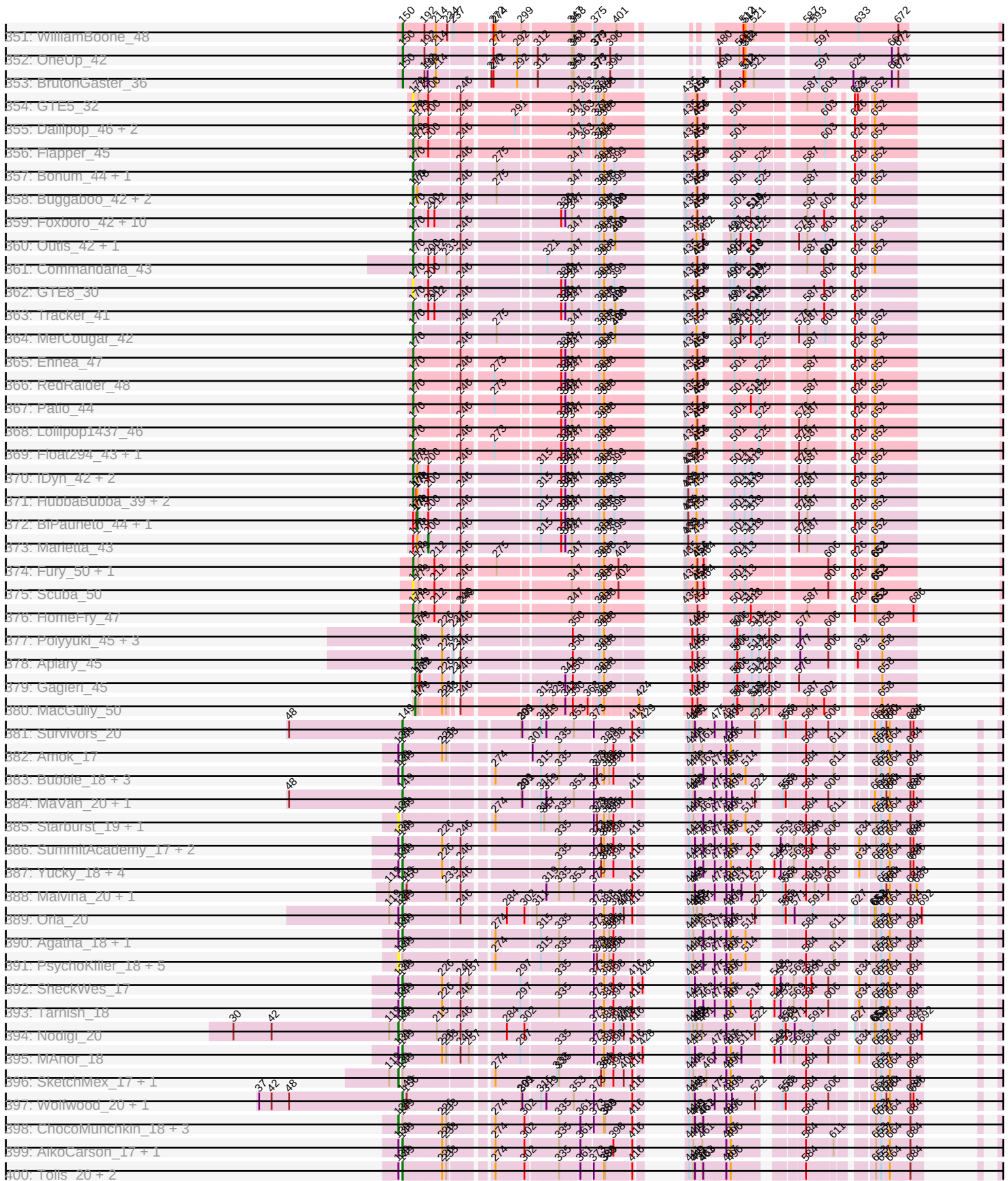
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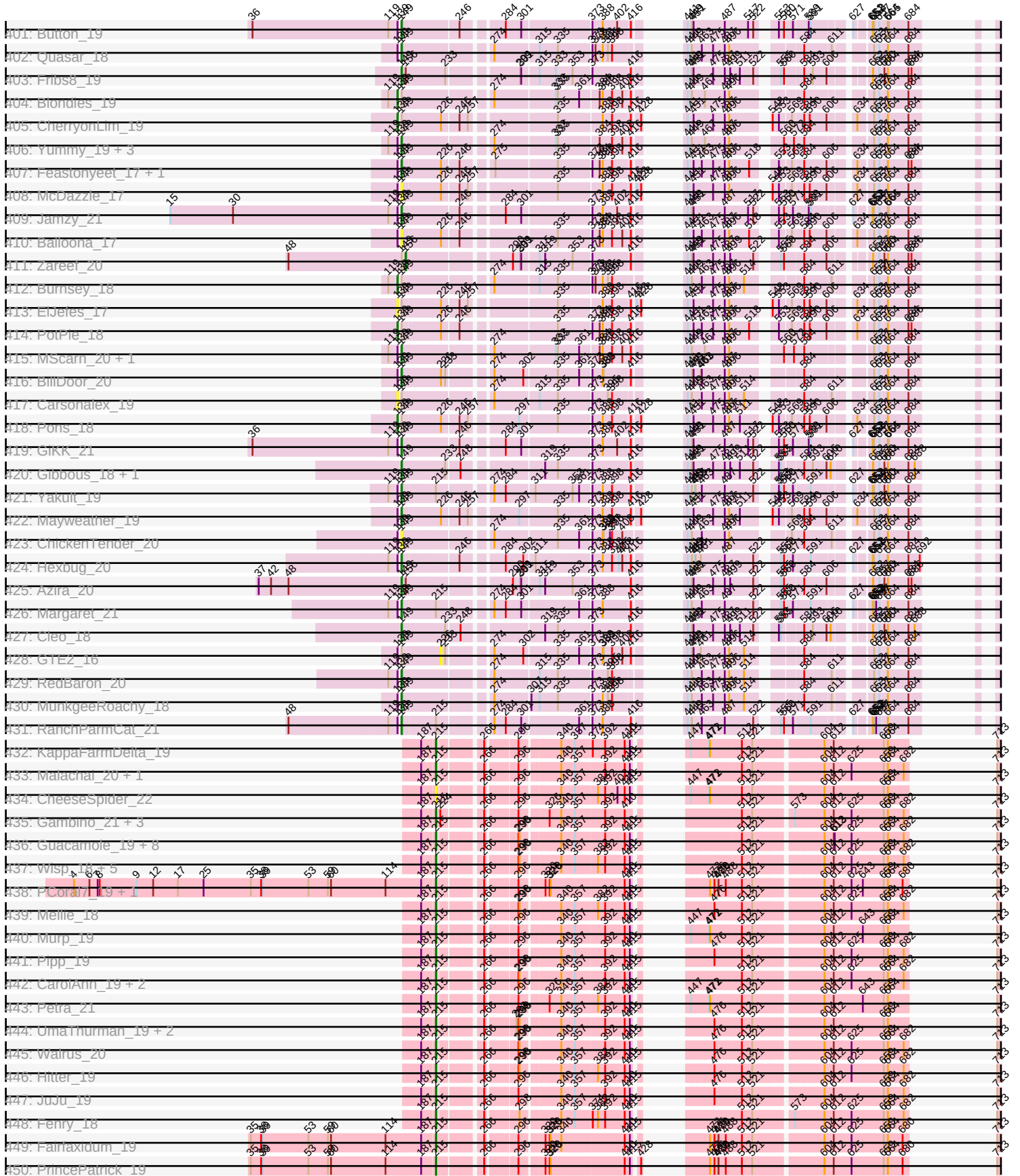
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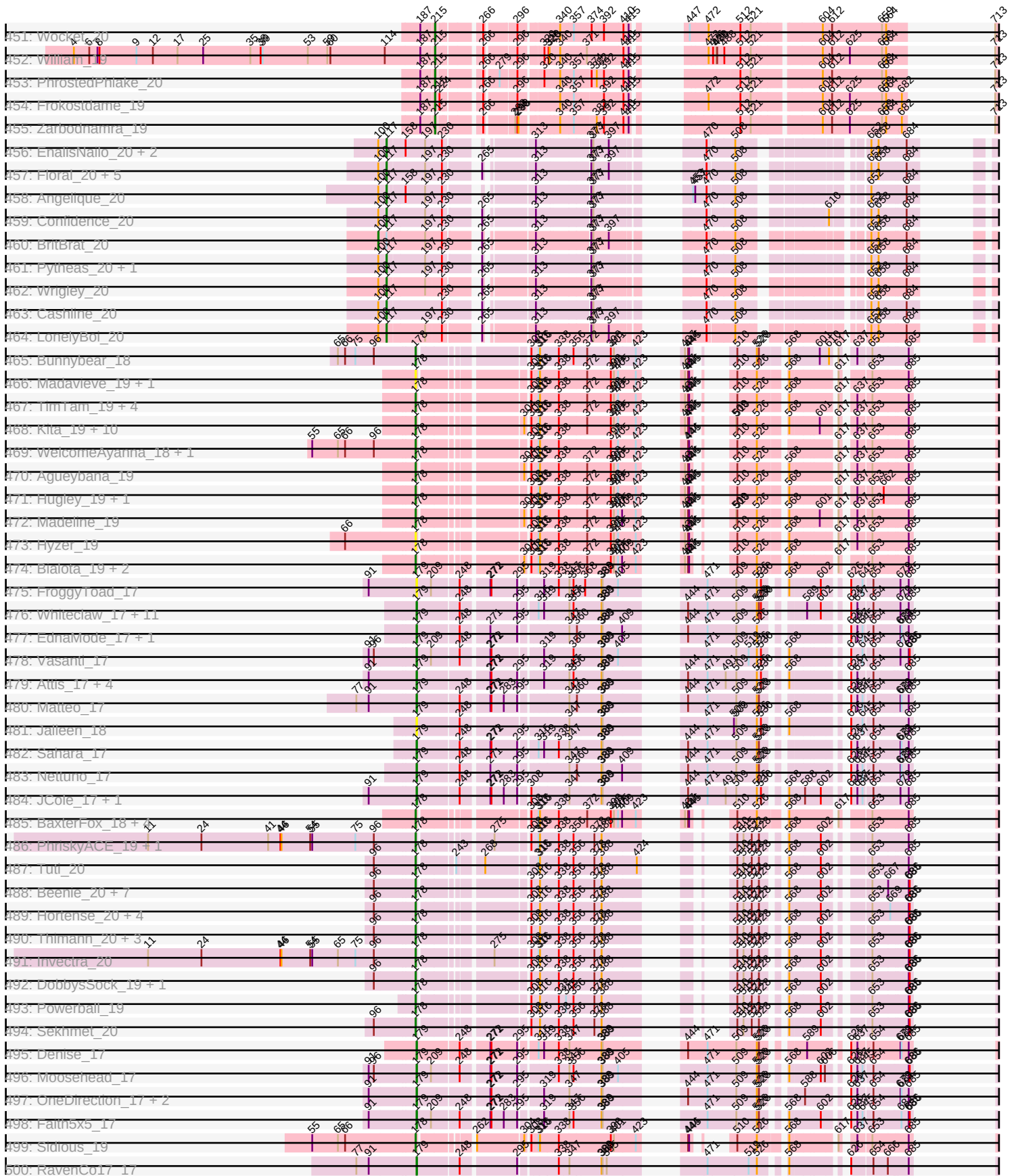
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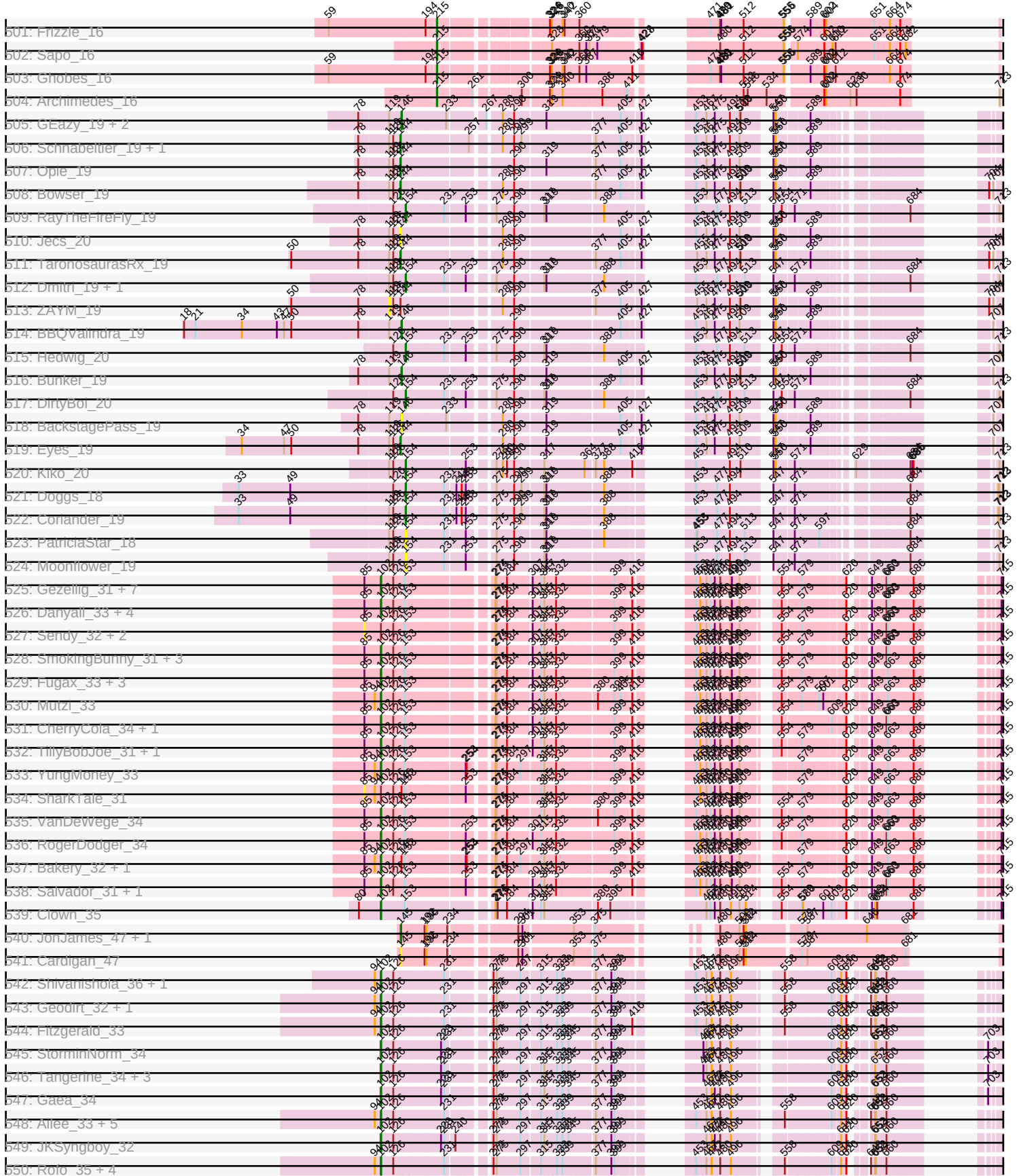
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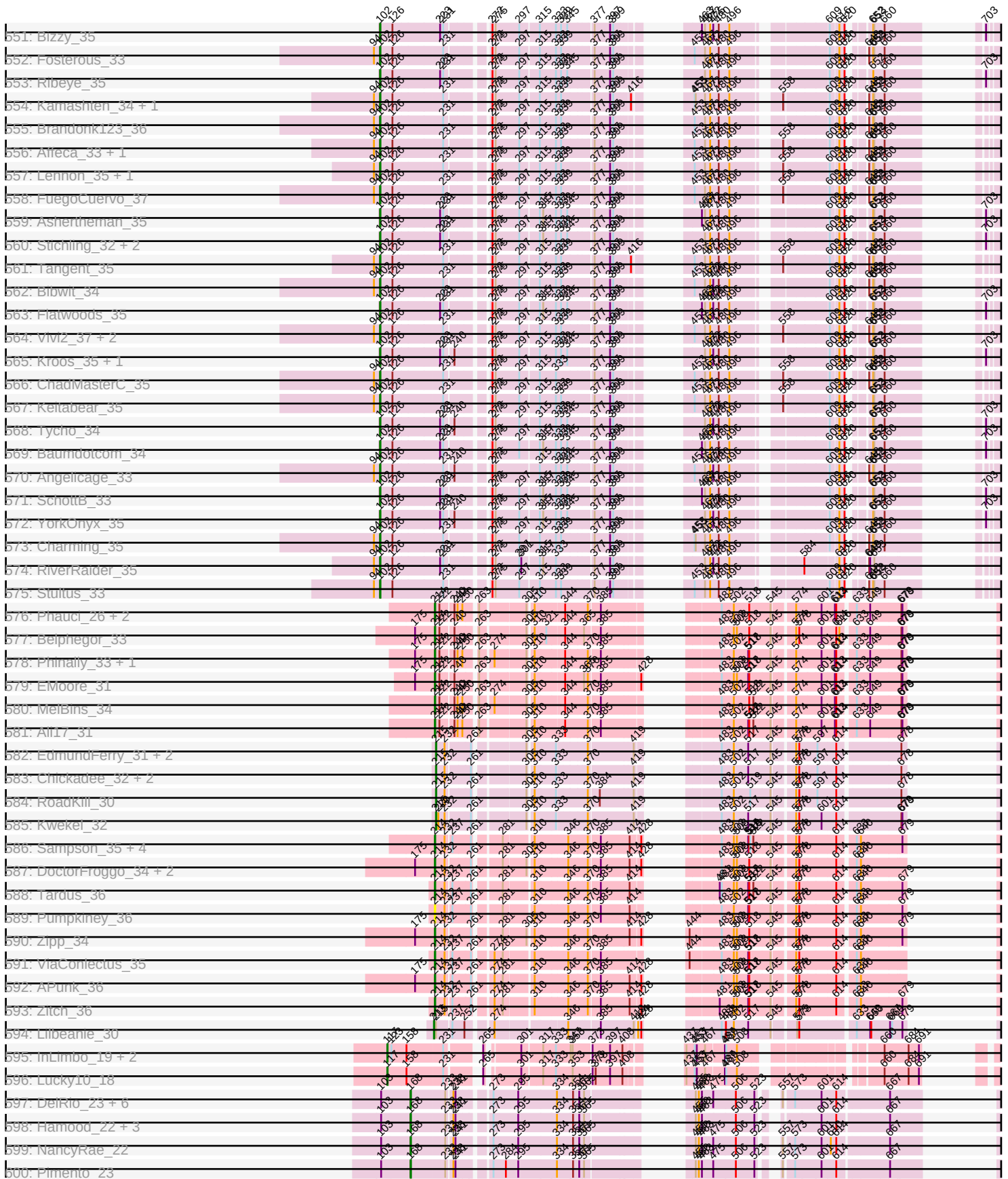
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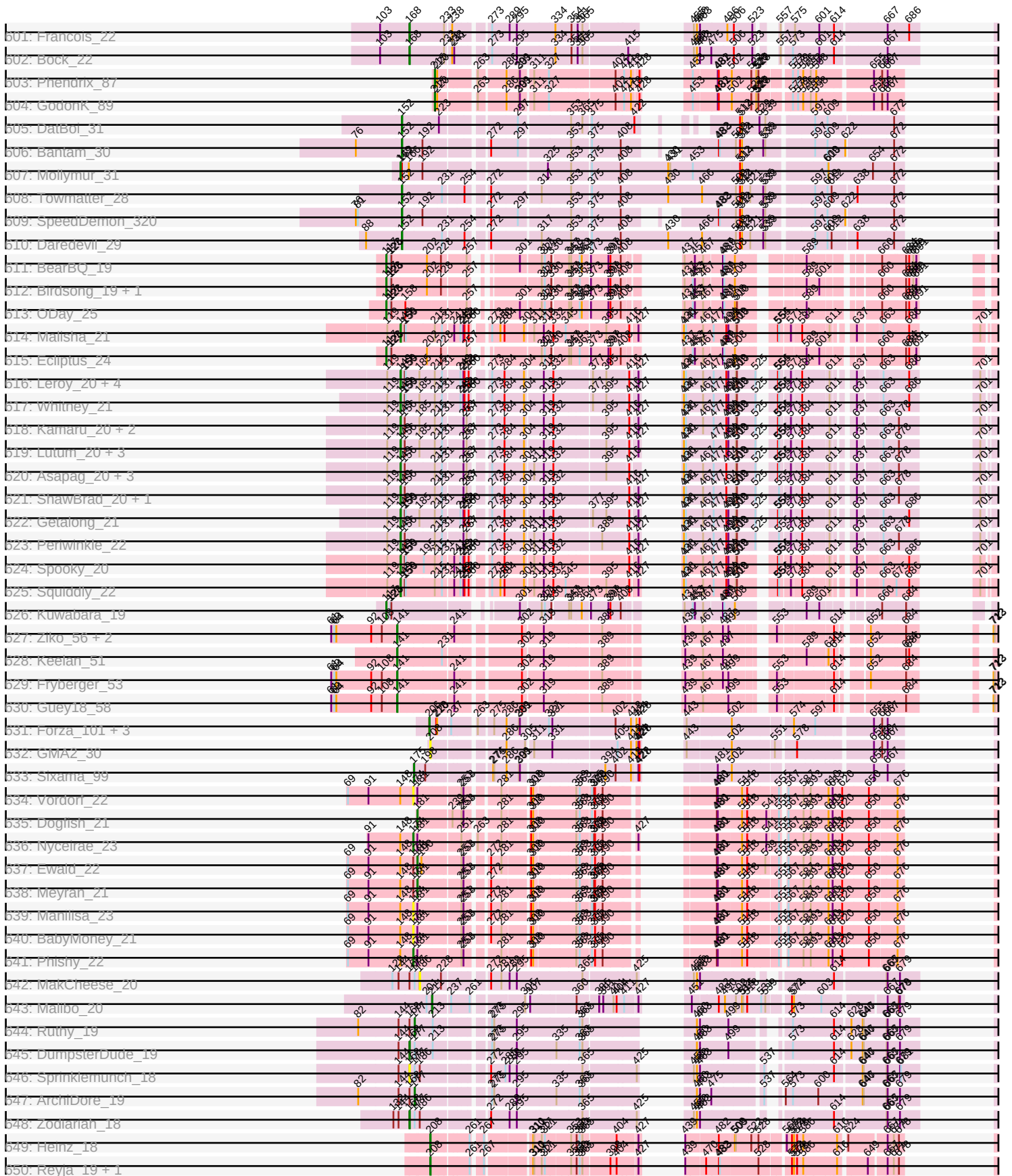
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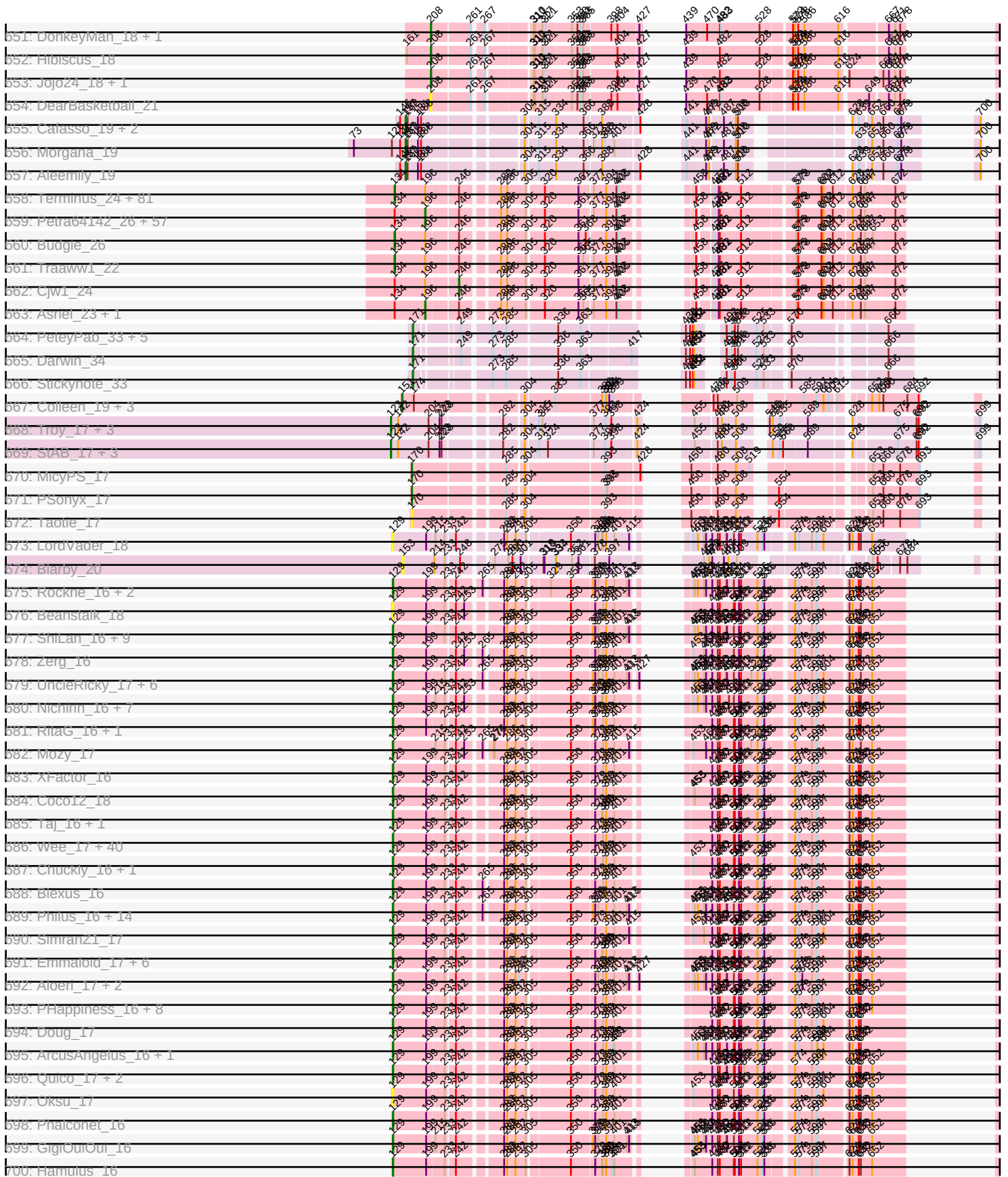
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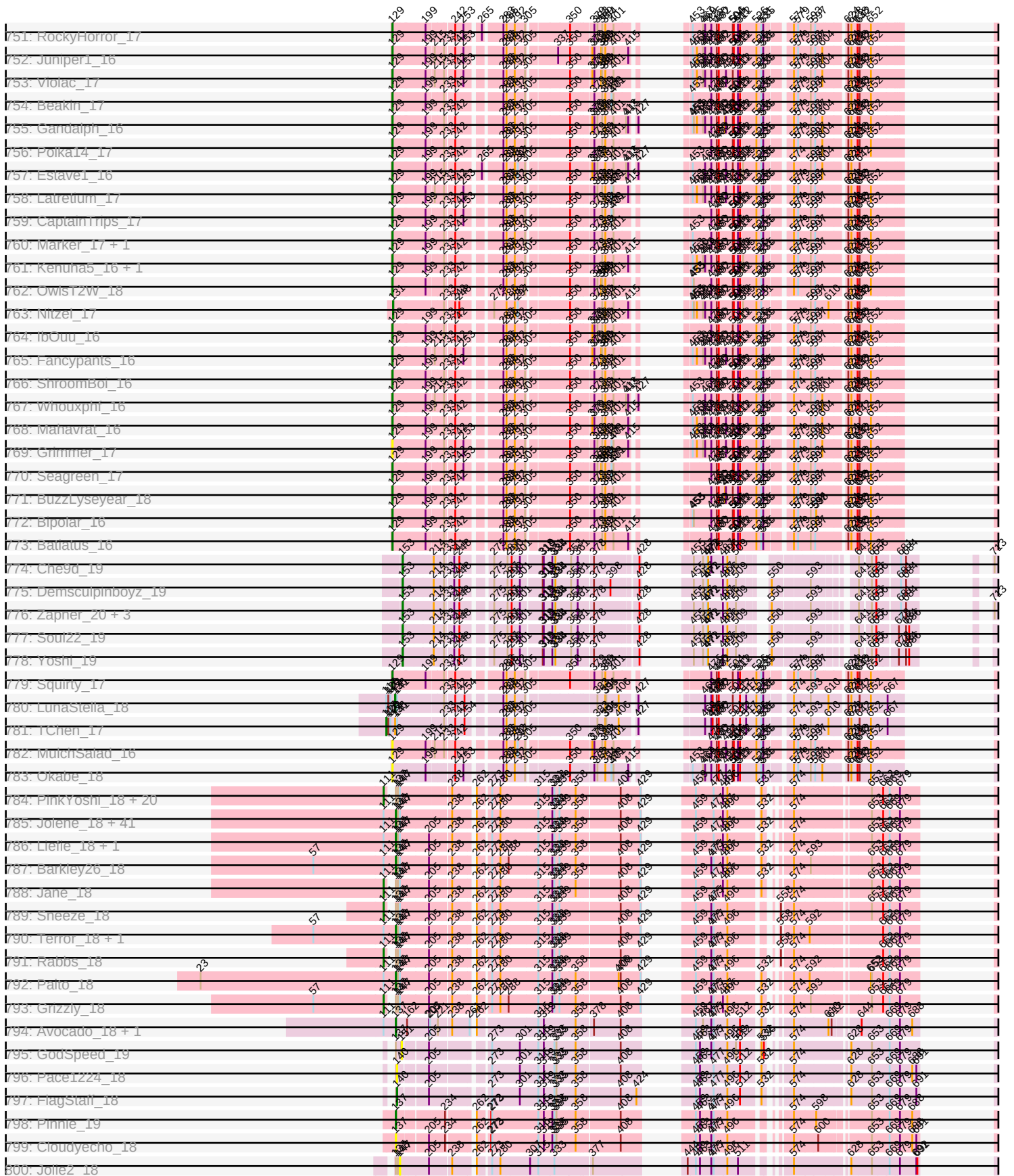
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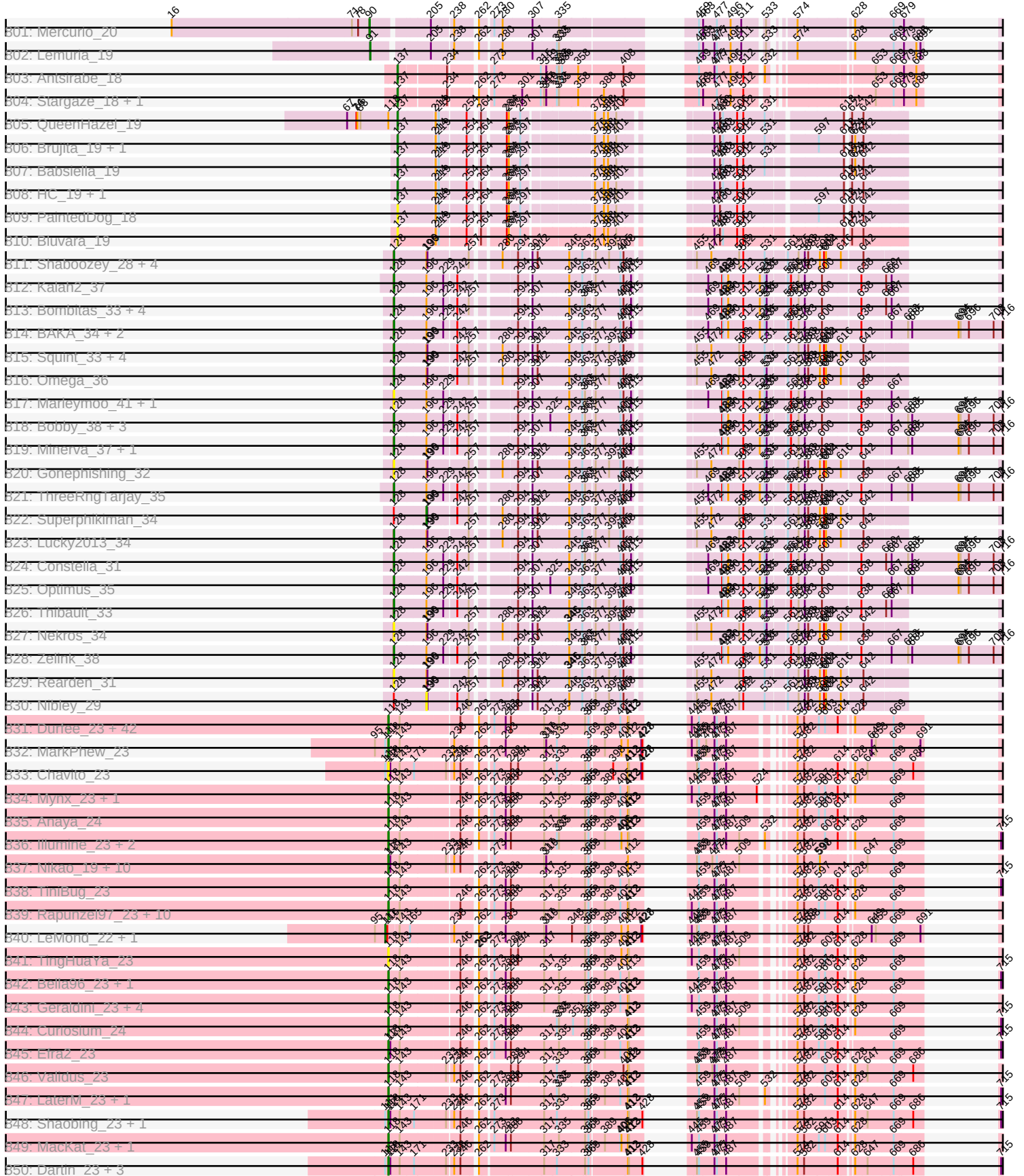
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r01: Velveteen_17 + 8	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r02: OldBen_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r03: Spoonbill_16 + 3	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r04: BodEinwohner17_16 + 3	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r05: Byougenkin_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r06: Gorge_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r07: Misha28_17 + 2	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r08: Fastidio_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r09: InstSherpFaik_17 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r10: Scottish_17 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r11: Frankie_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r12: Arkma_17 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r13: Fluzino_16 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r14: Ionubest_16 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r15: Boomer_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r16: DirtyMcGin_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r17: Rialto_18 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r18: Lucia_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r19: NormanBulldieJr_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r20: Donkeykong_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r21: Mutaforma13_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r22: DosHalletts_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r23: Plumbus_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r24: DoRead_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r25: Poenanya_16 + 3	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r26: DotProduct_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r27: Grr_16 + 5	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r28: Melissauren88_16 + 7	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r29: Juice456_18 + 3	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r30: DillTech15_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r31: FreddyB_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r32: Piper2020_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r33: Sarma624_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r34: Rita_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r35: Aubs_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r36: ByChance_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r37: Madboa_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r38: VRedHorse_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r39: RedBird_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r40: Firehouse51_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r41: Radiance_16 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r42: Job42_19	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r43: Alexphander_18	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r44: Minnie_17	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r45: Mwanjiwa_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r46: Che8_16	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r47: Topiath_18	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r48: PopParr_16 + 1	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
r49: Ogopogo_19	129	199	233	242	299	305	350	378	401	455	460	465	469	475	519	529	539
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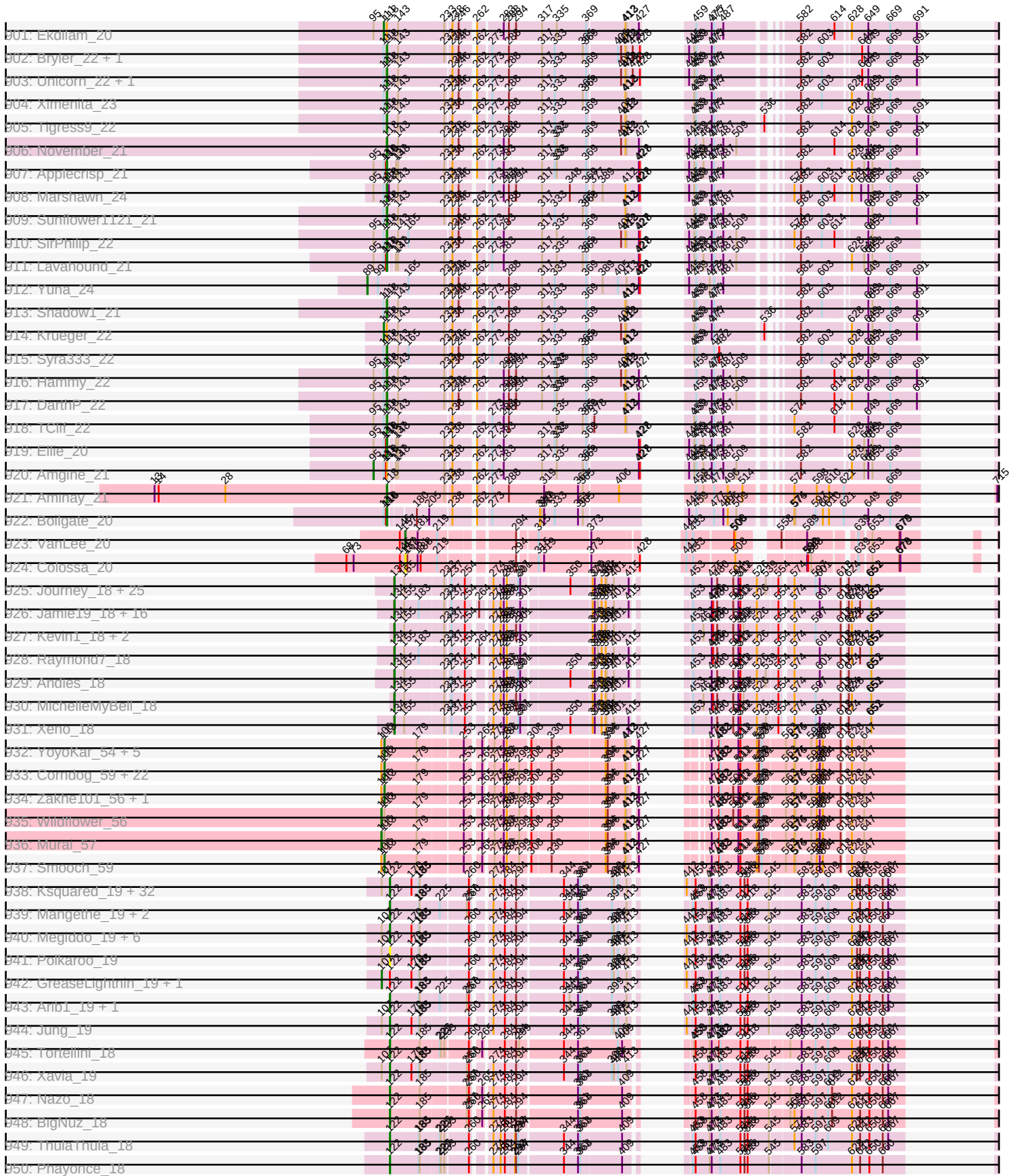
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852: Chris_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
853: Nibb_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
854: Guanica15_23 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
855: Pntrivi_23 + 5	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
856: DrHayes_23 + 3	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
857: LastHope_23	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
858: Murucutumbu_23	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
859: Bern_23	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
860: KTSI_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
861: Oscar_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
862: Ageofdapage_23	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
863: POKERUS_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
864: Findley_19 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
865: BoostSeason_19	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
866: DismalStressor_19 + 2	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
867: TM4_19	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
868: Mmly_19	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
869: Doughnut_19 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
870: ZoeJ_19	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
871: tBond007_22 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
872: IndieTrouble_21	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
873: MacnCheese_23	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
874: Lea83_22 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
875: Pharo_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
876: Hurricane_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
877: Keshu_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
878: Floninonahm_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
879: DanSy144_25	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
880: Milti_24 + 7	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
881: Juliette_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
882: JF1_24 + 3	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
883: Reptar3000_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
884: Y10_24 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
885: Taquito_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
886: Bobquesha_25	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
887: MissDaisy_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
888: Eponine_24 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
889: Patt_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
890: YasnayaPolyana_24	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
891: Leston_21	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
892: VIVJ_20 + 7	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
893: Feyre_21 + 3	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
894: OkRoe_21	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
895: Miryou_21 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
896: Gengar_21	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
897: Heltyboy_21 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
898: Amonition_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
899: Fetherhead_22	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669
900: Phrank_22 + 1	95	143	230	262	317	335	389	389	413	459	477	514	532	583	614	628	669

Zoomed Pham 304553



Zoomed Pham 304553



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 304553 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304553 has 2504 members, 280 are drafts.

Phages represented in each track:

- Track 1 : Corvo_28, Rajelicia_27, HermioneGrange_27, MaryBeth_27, Rufus_28, Bethlehem_27, MetalQZJ_27, Arcanine_28, HanShotFirst_27, STLscum_28, Alvin_28
- Track 2 : QTRlifeCrisis_27, PhineBark_26, Jerm2_28, KSSJEB_27, Bob3_26, Espresso_27, Gwendoluna_29, TheloniousMonk_29, MilleFeuille_26, BarrowTuph_26, Mule_27, Lopton_28, Paraselene_26, Teodoridan_25, Adahisdi_28, Abbyshoes_28, PSullivan_29, Big3_27, Tote_29, JuliaChild_29, PhrostyMug_27, Jorgensen_27, Norz_29, Molly_28, Jasper_28, Rohr_28, Ichabod_28, Ashballer_27, Tripl3t_28, BeesKnees_28, Sagefire_28, Target_30, Eyeball_27, Seabiscuit_29, Dulcie_26, Levia_27, Beatrix_27, Nerujay_28, Pepe_28, Aeneas_29, PattyP_29, Gyzlar_29, Payneful_27, JackSparrow_28, BaconJack_29, BigMau_29, Pippin_29, Applejack_27, Marco3_27, KyMonks1A_29, GrecoEtereo_29, Kanely_28, ILeeKay_29, TwoPeat_28, Gachnar_27, Kenmech_30, Petp2012_29, Mryolo_26, Ruotula_26, Abrogate_280, Maroc7_26, Kugel_28, Sibs6_29, Bxb1_25, Gandalf20_28, Michley_27, Rhynn_27, Ciao_27, ShortQueendom_27, Raid_27, LunarLander_27, MPlant7149_26, Ohno789_27, Pita2_29, Acme_29, Makemake_27, Dussy_28, Fascinus_26, Puppet_27, Lesedi_26, Marchy_26, Swole_29, Zeeculate_27
- Track 3 : Aldrich_29, GroundGoblin_29, Noxious_30, CatBus_29, Hermia_30, DirtDevil_29, KikiBouba_30
- Track 4 : Inyanga_26, Atkinbua_29, Licorice_29, McSinger_28, Ringer_27, Doom_28, Switzer_28, Watermelon_29, AFIS_27, Sunshine924_26, Marcell_27, Traft412_29, Snazzy_26, GageAP_29, DreamCatcher_30, DrFeelGood_26, PherrisBueller_28, Manatee_28, Kykar_25, Iqorha_26, Oogway_26, Violet_26, RidgeCB_27, BigPaolini_28
- Track 5 : Fushigi_28
- Track 6 : Blackflame_27
- Track 7 : MrGordo_27
- Track 8 : Solon_27, Marsha_27, Scowl_28, Arlo_26, Edtherson_28, Museum_29, Altman_29, PascalRango_26, ConceptII_29, Burton_28, Treddle_29, Froghopper_28, Monet_29, Chanagan_26, BPBiebs31_28, HarryOW_28
- Track 9 : SkiPole_29, SarFire_27, Pari_28, Thor_27
- Track 10 : Blesser_27
- Track 11 : Briton15_29, Hope4ever_27, Lamina13_27, Tasp14_28
- Track 12 : Squee_28, Fenn_28, Naira_28, Barriga_27, Niza_29
- Track 13 : JC27_29
- Track 14 : EnzoK_28, Bones_27, Smairt_28, PacerPaul_27, KBG_28

- Track 15 : DD5_28, Lockley_27
- Track 16 : Ajay_28
- Track 17 : LilBib_28, Seanderson_28, StrongArm_26, Forsytheast_26, Moose_26, Bexan_26, SwissCheese_28, Pelly_28
- Track 18 : Homines_27, Marge_28, Nhonho_27, Wheeler_27
- Track 19 : Trouble_28, Magnito_26, Turj99_26, Hami1_29
- Track 20 : BK1_25, A6_25
- Track 21 : Fajezeel_29, SpikeBT_29, Greg_29, Pinto_30, Sumter_26, Dreamboat_28
- Track 22 : Mkhuseli_28
- Track 23 : GMonster_26, Bruns_26, Parliament_26
- Track 24 : Papez_29, PowerRanger_28, StewieG_26, Zeuska_28
- Track 25 : CactusRose_26
- Track 26 : Bigfoot_26, Phlippers_26
- Track 27 : CartmannCramer_27
- Track 28 : Petruchio_28
- Track 29 : ChristmasHams_28
- Track 30 : Peterson_30
- Track 31 : Perseus_28
- Track 32 : ProMouse_26
- Track 33 : Zephyr_27
- Track 34 : Smeagol_29
- Track 35 : Dynamix_28, Anglerfish_28, McGuire_28
- Track 36 : Slagathor_28
- Track 37 : Crispicous1_26, BillKnuckles_28
- Track 38 : Sorpresa_27, Sandaddy_26, Bigchunggi_27
- Track 39 : Bircsak_27, Gompeii16_27, Francis47_27
- Track 40 : Whitspit_28
- Track 41 : Topgun_27
- Track 42 : Rubeus_28, Euphoria_27, Killigrew_25
- Track 43 : PinkPlastic_26, U2_27, Sanya_26, NEHalo_27, Blue_27, BluSpix_27
- Track 44 : Alsfro_31
- Track 45 : Graduation_29
- Track 46 : Carlyle_29
- Track 47 : IgnatiusPatJac_26
- Track 48 : Buttons_29
- Track 49 : Paphu_26
- Track 50 : Wilkins_27
- Track 51 : Agaliana_28
- Track 52 : Rutherferd_29
- Track 53 : Dexes_28
- Track 54 : Magnar_27
- Track 55 : Cueylyss_27
- Track 56 : Kristoff_28
- Track 57 : Rowdy_31, DustyMartin_31, Shapes_31
- Track 58 : RhynO_28
- Track 59 : Chupacabra_27, OKCentral2016_27, Goose_27
- Track 60 : PeaceMeal1_26, KittenMittens_26, Drake94_26, Trike_25, Severus_26
- Track 61 : Topanga_27
- Track 62 : DontArgue_26
- Track 63 : Eaglepride_28
- Track 64 : Edison31_27, WalterMcMickey_27, Twister_27
- Track 65 : Poompha_26

- Track 66 : Rebeuca_28
- Track 67 : Aneem_28, Et2Brutus_27, Kimba_28, Orange_28, Hutc2_28, Lucivia_28, Joselito_28, Jabith_28, Bud_28, Mulciber_28, Munch_28, Petersenfast_27, Salz_28, Ebony_28, Sham4_28, Insomnia_28, Wolpertinger_27, Snape_28
- Track 68 : Bachome_28
- Track 69 : Gilberta_28
- Track 70 : Bowtie_28, Saskia_27
- Track 71 : Mabel_28
- Track 72 : MaCh_28
- Track 73 : TinyTimmy_28
- Track 74 : Flaverint_28, Fibonacci_28, Timothy_28
- Track 75 : Zimmer_30
- Track 76 : Steamy_29
- Track 77 : DarthPhader_29
- Track 78 : Refuge_31
- Track 79 : Pharaoh_28
- Track 80 : Phlei_23
- Track 81 : Gail_28
- Track 82 : SororFago_28
- Track 83 : Luchador_30
- Track 84 : Jeeves_28
- Track 85 : Sunhee_28
- Track 86 : Anon_28
- Track 87 : Oofda_30, ReMo_30, Battleship_31, ShayRa_31, Anaysia_30, Boohoo_30, Strosahl_30, MinecraftSteve_31, Epsocamisio_30, Waits_30, Nebulosus_30, KatherineG_30, Ravana_30, Looper_31, Remus_30, Rosalind_30, Warrior24_30, JSwag_30, LastResort_30, Soups_30, Switzerland_30
- Track 88 : DekHockey33_30
- Track 89 : Elle_28
- Track 90 : LogiBear_30
- Track 91 : Nedarya_29
- Track 92 : EagleEye_30
- Track 93 : PainterBoy_29
- Track 94 : Lucyedi_29
- Track 95 : 40AC_31
- Track 96 : MyraDee_25
- Track 97 : Kimona_24
- Track 98 : Equemioh13_30, Centaur_30, WideWale_30, Updawg_30
- Track 99 : Jaan_31, Landor_29
- Track 100 : Adzzy_29, Ph8s_29
- Track 101 : LilTurb_30, Buggy_30, Whabigail7_30, Dignity_30, Jerm_30, AbbyPaige_30, Turbido_30
- Track 102 : D32_31, Naji_31, D29_28
- Track 103 : NothingSpecial_30
- Track 104 : ANI8_31, VC3_31, AN3_28, C3_26, AN9_31, VA6_28
- Track 105 : Bradman_27, MajorMajor_27, Quokka_26
- Track 106 : Tomathan_31, Travvers_31
- Track 107 : Terrific_32, Gratitude_29
- Track 108 : DBQu4n_31, Duplo_31
- Track 109 : ForesterFrank_29
- Track 110 : LionsBait_29, HippoHollow_29
- Track 111 : Agape74_30
- Track 112 : BobSwaget_31

- Track 113 : 20ES_28
- Track 114 : Crucio_28
- Track 115 : LadyBird_28
- Track 116 : BabyBack_30
- Track 117 : EZMoney23_32
- Track 118 : SwirlSquare_29
- Track 119 : Miko_31
- Track 120 : Che12_30
- Track 121 : Kalpine_31
- Track 122 : Caraxes_27, Superchunk_27
- Track 123 : AnnaL29_31
- Track 124 : Loser_31
- Track 125 : Benvolio_28, Echild_28
- Track 126 : JoshKayV_30, ChipMunk_30
- Track 127 : Leogania_30
- Track 128 : Tristan_29
- Track 129 : Colin_32
- Track 130 : ArcherNM_30
- Track 131 : StarStuff_31, Kerberos_31, Pomar16_31
- Track 132 : Koduck_29, L5_28
- Track 133 : Serenity_27
- Track 134 : TarsusIV_28
- Track 135 : Drake55_30
- Track 136 : Fameo_28, QueenB2_28, Heffalump_30
- Track 137 : Leviathan_30
- Track 138 : FiringLine_28, QueenBeesly_28
- Track 139 : Jsquared_27
- Track 140 : TipsytheTRex_27
- Track 141 : Larenn_29, Malec_29
- Track 142 : IronMan_30
- Track 143 : WeiHuaDA_34
- Track 144 : Retro23_28
- Track 145 : Trooper_28
- Track 146 : Dalmatian_28
- Track 147 : Sknot_28
- Track 148 : Pukovnik_30
- Track 149 : Herbertwm_25
- Track 150 : Anselm_28
- Track 151 : Trixie_31
- Track 152 : Piro94_29, NaSiaTalie_28
- Track 153 : DeerParkTS_29
- Track 154 : Acolyte_28
- Track 155 : Smeagan_30
- Track 156 : MiculUcigas_28, Flare16_28
- Track 157 : Power_28, SweetiePie_28, Georgie2_29
- Track 158 : BengiVuitton_29, Deloris_29
- Track 159 : SemperFi_30
- Track 160 : Odin_27
- Track 161 : BiancaTri92_30
- Track 162 : Baehexic_29
- Track 163 : KingCyrus_30
- Track 164 : NicoleTera_32
- Track 165 : Lokk_31

- Track 166 : MissWhite_28
- Track 167 : Changeling_30
- Track 168 : HarryHoudini_30
- Track 169 : CRB1_28
- Track 170 : Phaded_31
- Track 171 : SnapTap_28
- Track 172 : DudeLittle_28
- Track 173 : Prudy_30
- Track 174 : Iwokeuplikedis_29
- Track 175 : Bactobuster_29
- Track 176 : GaugeLDP_30
- Track 177 : RedRock_31
- Track 178 : Journey13_26
- Track 179 : EvilGenius_30
- Track 180 : Rachaly_31
- Track 181 : XianYue_28
- Track 182 : First_0028
- Track 183 : FatCactus_26
- Track 184 : Anthony_27
- Track 185 : Kinmap_29
- Track 186 : Chargerpower_29
- Track 187 : HelDan_27, Heathen_27, Fred313_27, Zarafa_27, Scout_27, Marchesa_27, Roimos_27, Kachowdy_27, DropBear_27
- Track 188 : ACFishhook_29, HaveUMetTed_30, Kalnoky_30, JeppNRM_30
- Track 189 : Mainiac_29, Grif_29, Stagni_29, Sabia_29, BreSam8_29, P28Green_29, MadMarie_29
- Track 190 : Cullens_29, Gwennie_28, LugYA_31, Phoebe_29, MarQuardt_29, MuchMore_31, Daishi_28, Taurus_29, LBerry_29, Croquant_30, KADY_30, Wooldri_31, Beauxregard13_29, Louie6_29, Bxz2_28, Farber_29, Tiffany_29, GingkoMaracino_29, Colbster_29, GtownJaz_29, Montavir_28, Phoxy_29, TinyPebbles_29, PotatoSplit_30, Methuselah_28, Penny1_29, EpicPhail_29, Spike509_29, Aglet_29, Microwolf_29, Pembroke_29, Fernando_29, BuzzBuzz_28, Bigflo_29, Sabinator_29, AugsMagnumOpus_31, Watson_29, Ollie_29, Lilith_29, AgronaGT15_29, Vix_29, Malinsilva_31, Anubis_31, SoYo_29, Grub_29, Marie_29, Soshari_31, PGHhamlin_31, Misomonster_31, DaHudson_29, Iowa_29, LarryKay_29, Rummer_29, MoneyMay_29
- Track 191 : SoilDragon_29, Jobu08_29, Zetzy_28
- Track 192 : BlueBird_28, Giroux_28, Idleandcovert_27, Clammy_27, SaturnRing_27, Bugatti_27, Pistachio_28
- Track 193 : Norbert_27, Caviar_28, Panamaxus_27, Texage_27, Margo_28, Veracruz_27, Pocahontas_28, ResDef_28, EtoileNova_28, Popcicle_28, Hookmount_28, QuinnKiro_27, Lambert1_28, Todacoro_28, Noella_28
- Track 194 : BabyJohn_26, Chiqui_26
- Track 195 : MK4_27
- Track 196 : Groupthink_30, Kalb97_30, Pawn_29, Manu_30, Calvinny_30, Gemma_29, ClownCar_30, PhishRPhriends_28, PurpleHaze_29, Heliosoles_29
- Track 197 : Isca_27, Rockstar_27
- Track 198 : StepMih_29
- Track 199 : MA5_27
- Track 200 : Marius_30
- Track 201 : Grum1_29
- Track 202 : JF2_27, JF4_27, B1_25
- Track 203 : Dieselweasel_29

- Track 204 : Puppy_28
- Track 205 : JHC117_29
- Track 206 : HashRod_30
- Track 207 : Snickers_29
- Track 208 : OlanP_29
- Track 209 : Phantastic_27
- Track 210 : Phranny_30, Reba_30
- Track 211 : BabyRay_27
- Track 212 : JenCasNa_29
- Track 213 : Hercules11_29
- Track 214 : TNguyen7_27
- Track 215 : LHTSCC_28, BangNhom_27, Obama12_28, Cerulean_28, ChampagnePapi_28, SheldonCooper_28
- Track 216 : ICleared_27, Holli_27, Skipitt_27, Kingmustik0402_27, Romney_27, Koan_27, Burger_26, Palestino_26, Wilbur_27, Albee_27, Sabertooth_27, Mazhar510_27, Polymorphads_27, Clarenza_27, Cocoaberry_27, Ruin_27, Koreni_26, Annyong_27, Florean_27, Nemo27_27, Dhanush_27, Citius_27, MeeZee_27, Eros_27, YoSam321_27, Scamp_27, Bartimeaus_27, RockieBear_26, Flux_27, Maverick_27, Phacado_27, JoongJeon_27, Gadost_27, Broseidon_27, NotAPhaseMom_27, LappelDuVide_27, Spino_27, Blackmoor_27, Roosevelt_27, Pipcraft_27, Sparxx_27, Baby16_27, Deano_27, NorthStar_27, Peaches_27, TinaFeyge_27, LittleB_27, Druantia_27, Kampy_27, Funston_27, Taquarus_27, Arturo_26, Lorenzo_27, Wizard007_27, Relief_27, CentreCat_27, Morrow_27, Houdini22_27, Wander_27, HamSlice_26, Bombshell_27, Kremtemulon_27, Iceman_28, Eapen_27, Alberto7_28, JetBlade_27, Connomayer_27, Caelakin_27, LittleGuy_27, Lunsford_28, Ulysses_26, Chaph_27, Eagle_26, KekoraPapaka_26, Medusa_27, OKaNui_28, Melvin_27, Abdiel_26, Millski_26, Cintron_27, Phelipe_27, Nebs_27, Sultana_27, Maxo_27, Lemur_27, Eris_26, TygerBlood_27, BubbleTrouble_27, Jaykayelowell_27, Bruiser_26, Avle17_27
- Track 217 : Badger_27, Wile_27, Xena_27, Datway_27, Cici_27, Backyardigan_27, Achebe_26
- Track 218 : Stasia_28
- Track 219 : Phontbonne_27, BellusTerra_27, Ohfah_27, Nyxis_27, Kratark_27, Kyee_27, DirtyDunning_27, Huxley_27, Thanksgivukkah_27
- Track 220 : TiroTheta9_27
- Track 221 : Perplexer_27
- Track 222 : Rosa24_26, Tinybot_26
- Track 223 : SenorClean_27
- Track 224 : AbbysRanger_27
- Track 225 : Happiness_27, Phighter1804_27, Iracema64_28, LochMonster_27
- Track 226 : PetiteSangsue_27
- Track 227 : Katalie136_27, Morpher26_27
- Track 228 : Shygu2_27
- Track 229 : Shaka_27
- Track 230 : Pumbaa_27
- Track 231 : PeterPeter_27, Mayonnaise_27
- Track 232 : Camperdownii_26
- Track 233 : Commander_27, SteMason_26
- Track 234 : Stink_28
- Track 235 : Cindaradix_26
- Track 236 : Mundrea_27
- Track 237 : KFPoly_27
- Track 238 : LeoAvram_27

- Track 239 : Bumblebee11_27
- Track 240 : TroyPia_27
- Track 241 : Miramae_27
- Track 242 : Noelle_27
- Track 243 : AvatarAhPeg_28
- Track 244 : Eurydice_27
- Track 245 : Theia_22
- Track 246 : George_23, LittleCherry_24
- Track 247 : PetterN_25
- Track 248 : Chadwick_25, Naca_24, Scorpio_25, Benedict_24
- Track 249 : ForGetIt_24, Conspiracy_24, Archetta_24, Bluefalcon_23, Jovo_24
- Track 250 : HuhtaEnerson15_24
- Track 251 : Tarynearal_23, Bonamassa_24, Milcery_24, Prinashe11_25
- Track 252 : Jabiru_24
- Track 253 : Florence4_25, Florence1_24
- Track 254 : Swirley_24
- Track 255 : Lev2_24, Aragog_24, AgentM_24, Phlorence_24, Discoknowium_24
- Track 256 : Ghoulboy_24, SydNat_24, Zolita_23
- Track 257 : UnionJack_24
- Track 258 : Midas2_24, Coog_24
- Track 259 : Micasa_24
- Track 260 : PickleBack_24
- Track 261 : ElTiger69_24
- Track 262 : Tiger_24
- Track 263 : Airmid_24
- Track 264 : Cuco_24
- Track 265 : Twigg_24
- Track 266 : Dublin_23
- Track 267 : MarysWell_23
- Track 268 : CloudWang3_31
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- Track 690 : SimranZ1_17
- Track 691 : Emmaloid_17, PhilipPhlop_16, Totinger_17, Vivum_16, Starcevich_17, Slim_17, EmiMonkey_16
- Track 692 : Aloeri_17, ChickenDinner_17, DocMcStuffins_17
- Track 693 : PHappiness_16, JoeyJr_16, DaddyRickover_16, Dorothy_16, Empress_17, Pacc40_16, Daenerys_16, BlueCrab_16, Nimbo_16
- Track 694 : Doug_17
- Track 695 : ArcusAngelus_16, Chevrolet_16
- Track 696 : Quico_17, Girafales_17, Florinda_16
- Track 697 : Oksu_17
- Track 698 : Phalconet_16
- Track 699 : GigiOuiOui_16
- Track 700 : Hamulus_16
- Track 701 : Velveteen_17, Ardmore_16, BigPhil_17, Crumble_16, Brookers_17, Cerasum_17, Phanphagia_16, Shauna1_16, Medindi_16
- Track 702 : OldBen_16

- Track 703 : Spoonbill_16, Priscilla_16, OlympiaSaint_16, Cabrinians_16
- Track 704 : BodEinwohner17_16, Inventum_16, Sassafras_16, Deb65_16
- Track 705 : Byougenkin_16
- Track 706 : Gorge_16
- Track 707 : Misha28_17, TootsiePop_17, Awesomesauce_17
- Track 708 : Fastidio_16
- Track 709 : IrishSherpFalk_17, WillSterrel_17
- Track 710 : Scottish_17, KingMidas_17
- Track 711 : Frankie_17
- Track 712 : Akhila_17, MilanaBonita_17
- Track 713 : Filuzino_16, IMpilo_16
- Track 714 : Ibhubesi_16, Harley_16
- Track 715 : Boomer_17
- Track 716 : DirtMcgirt_17
- Track 717 : Rialto_18, LittleShirley_17
- Track 718 : Lucia_17
- Track 719 : NormanBulbieJr_16
- Track 720 : Donkeykong_16
- Track 721 : Mutaforma13_16
- Track 722 : DosHalletts_17
- Track 723 : Plumbus_17
- Track 724 : DoRead_16
- Track 725 : Poenanya_16, Stap_17, Ramsey_17, Doomphist_16
- Track 726 : DotProduct_16
- Track 727 : Girr_16, Veteran_16, GUmbe_16, Phasih_17, MisterCuddles_16, Ruby_16
- Track 728 : Melissauren88_16, Fruitloop_16, EleanorGeorge_16, Maravista_16, Corium_16, PatoPoderoso_16, Leozinho_17, KingJulian_16
- Track 729 : Juice456_18, Kimberlium_18, QuickMath_17, MulchExplorer_18
- Track 730 : DillTech15_16
- Track 731 : FreddyB_16
- Track 732 : Piper2020_17
- Track 733 : Sarma624_17
- Track 734 : Rita_16
- Track 735 : Aubs_16
- Track 736 : ByChance_16
- Track 737 : Madiba_17
- Track 738 : VRedHorse_16
- Track 739 : RedBird_16
- Track 740 : Firehouse51_17
- Track 741 : Radiance_16, Tootsieroll_17
- Track 742 : Job42_19
- Track 743 : Alexphander_18
- Track 744 : Minnie_17
- Track 745 : Mwanjiwa_16
- Track 746 : Che8_16
- Track 747 : Topiatin_18
- Track 748 : PopTart_16, SassyB_16
- Track 749 : Ogopogo_19
- Track 750 : Eish_16
- Track 751 : RockyHorror_17
- Track 752 : Juniper1_16
- Track 753 : Violac_17

- Track 754 : Beakin_17
- Track 755 : Gandalph_16
- Track 756 : Polka14_17
- Track 757 : Estave1_16
- Track 758 : Latretium_17
- Track 759 : CaptainTrips_17
- Track 760 : Marker_17, Cornucopia_17
- Track 761 : Kenuha5_16, SuperGrey_17
- Track 762 : OwlsT2W_18
- Track 763 : Nitzel_17
- Track 764 : IbOuu_16
- Track 765 : Fancypants_16
- Track 766 : ShroomBoi_16
- Track 767 : Whouxphf_16
- Track 768 : Mahavrat_16
- Track 769 : Grimmer_17
- Track 770 : Seagreen_17
- Track 771 : BuzzLyseyear_18
- Track 772 : Bipolar_16
- Track 773 : Batiatus_16
- Track 774 : Che9d_19
- Track 775 : Demsculpinboyz_19
- Track 776 : Zapner_20, Avani_19, SilverChicken_19, Jabbawokkie_21
- Track 777 : Soul22_19
- Track 778 : Yoshi_19
- Track 779 : Squirty_17
- Track 780 : LunaStella_18
- Track 781 : TChen_17
- Track 782 : MulchSalad_16
- Track 783 : Okabe_18
- Track 784 : PinkYoshi_18, Richarlison_18, Cherrybomb426_18, CLED96_18, Jonghyun_18, DingDing_18, Sizemore_18, Hotshotbaby7_18, BQuat_18, Chance64_18, Kasen3_18, MZKinsey_18, Neoh_18, Frosty24_18, Olga_18, Camri_18, Phloodle_18, DNAll_0018, Remy19_18, Sweets_18, Phish_18
- Track 785 : Jolene_18, Periodt_18, Hope_18, AzulaCat_18, Jeilious_18, Maliketh_18, Plagueis_18, Aroostook_18, Angel_18, Kareem_18, AizenPogi_18, Halo_18, Wendigo_18, ECartman_18, OctaviousRex_18, Avrafan_18, Cedasite_18, ZoMa_18, Coleslaw_18, Darionha_18, Crespo_18, Annihilator_18, Phreak_18, GoldenAsh_18, CassieYates_18, TomBrady_18, Schiebel_18, Marmie_18, Renaissance_18, DMoney_18, JorRay_18, Mowgli_18, BruceB_18, TinaBug_18, Rattrick_18, Gideon_18, BPs_18, LouisV14_18, Gomashi_18, Ruriko_18, Zombie_18, ShaboiShabazz_18
- Track 786 : Liefie_18, Peeb_18
- Track 787 : Barkley26_18
- Track 788 : Jane_18
- Track 789 : Sneeze_18
- Track 790 : Terror_18, Taheera_18
- Track 791 : Rabbs_18
- Track 792 : Paito_18
- Track 793 : Grizzly_18
- Track 794 : Avocado_18, Cambiare_19
- Track 795 : GodSpeed_19
- Track 796 : Pace1224_18

- Track 797 : FlagStaff_18
- Track 798 : Pinnie_19
- Track 799 : Cloudyecho_18
- Track 800 : Jolie2_18
- Track 801 : Mercurio_20
- Track 802 : Lemuria_19
- Track 803 : Antsirabe_18
- Track 804 : Stargaze_18, YangYin_18
- Track 805 : QueenHazel_19
- Track 806 : Brujita_19, Island3_19
- Track 807 : Babsiella_19
- Track 808 : HC_19, Xula_18
- Track 809 : PaintedDog_18
- Track 810 : Bluvara_19
- Track 811 : Shaboozey_28, Hannaconda_31, LittleE_37, BronnyJames_28, KashFlow_28
- Track 812 : Kalah2_37
- Track 813 : Bombitas_33, Schatzie_34, Hughesyang_35, Dove_34, Odette_36
- Track 814 : BAKA_34, Phoebus_36, Redno2_35
- Track 815 : Squint_33, Porcelain_33, Ariel_34, MiaZeal_34, Courthouse_34
- Track 816 : Omega_36
- Track 817 : Marleymoo_41, Hidrated_39
- Track 818 : Bobby_38, Ejimix_37, Wanda_37, DmpstrDiver_35
- Track 819 : Minerva_37, Klein_37
- Track 820 : Gonephishing_32
- Track 821 : ThreeRngTarjay_35
- Track 822 : Superphikiman_34
- Track 823 : Lucky2013_34
- Track 824 : Constella_31
- Track 825 : Optimus_35
- Track 826 : Thibault_33
- Track 827 : Nekros_34
- Track 828 : Zelink_38
- Track 829 : Rearden_31
- Track 830 : Nibley_29
- Track 831 : Durfee_23, MeaningOfLife_23, Boiiii_23, Peel_23, Twitch_23, BaghaKamala_23, Capricorn_23, Hyperbowlee_23, Jarvi_23, Dalmuri_23, Jeckyll_23, Ramen_23, CheetoDust_23, Asayake_23, AlishaPH_23, CaseJules_23, BarrelRoll_23, Apocalypse_23, Padpat_23, Blizzard_23, Rosmarinus_23, Sulley_23, CallaLilly_23, YoureAdopted_22, Belladonna_23, Emerson_23, JAWS_23, BEEST_23, Spock_23, LunaHalos_23, Piatt_23, Joy99_23, Inky_23, BGlluviae_23, Padfoot_23, Angelica_23, Deby_23, Llorens_23, Tiri_23, Topper_23, CREW_23, Homura_23, ShiaSurprise_23
- Track 832 : MarkPhew_23
- Track 833 : Chavito_23
- Track 834 : Mynx_23, Zavala_23
- Track 835 : Anaya_24
- Track 836 : Illumine_23, Dole_23, Devera_23
- Track 837 : Nikao_19, Teejan_19, Amelie_19, Biglebops_19, Torres_19, Mdavu_19, LilPharaoh_19, Nutello_19, SgtBeansprout_19, Trice_19, Enkosi_19
- Track 838 : TiniBug_23
- Track 839 : Rapunzel97_23, Adephagia_23, Veliki_23, Tachez_23, Zabiza_23, Atiba_23, TruffulaTree_23, HedwigODU_23, ActinUp_23, Jayhawk_23,

Slimphazie_23

- Track 840 : LeMond_22, Scarlett_22
- Track 841 : TingHuaYa_23
- Track 842 : Bella96_23, DartGoblin_23
- Track 843 : Geraldini_23, QuincyRose_22, Ganymede_24, Adonis_23, Beezoo_23
- Track 844 : Curiosium_24
- Track 845 : Efra2_23
- Track 846 : Validus_23
- Track 847 : LaterM_23, Stinson_23
- Track 848 : Shaobing_23, Peanam_23
- Track 849 : MacKat_23, Clipper_23
- Track 850 : Dartin_23, Richo_23, Niklas_23, McMater_23
- Track 851 : Pisa1_22, Pisa4_22
- Track 852 : Chris_22
- Track 853 : Nibb_22
- Track 854 : Guanica15_23, Yunkel11_23
- Track 855 : Prithvi_23, Megsy_23, TaiwanKao_24, TreyKay_23, LindNT_23, CrimD_23
- Track 856 : DrHayes_23, Anma_23, SamuelLPlaqson_23, Urkel_23
- Track 857 : LastHope_23
- Track 858 : Murucutumbu_23
- Track 859 : Bern_23
- Track 860 : KiSi_22
- Track 861 : Oscar_22
- Track 862 : Ageofdapage_23
- Track 863 : Pokerus_22
- Track 864 : Findley_19, Strobilo_19
- Track 865 : BoostSeason_19
- Track 866 : DismalStressor_19, DismalFunk_19, Marcoliusprime_19
- Track 867 : TM4_19
- Track 868 : Milly_19
- Track 869 : Doughnut_19, Mufasa_19
- Track 870 : ZoeJ_19
- Track 871 : TBond007_22, Pixie_22
- Track 872 : TribbleTrouble_21
- Track 873 : MacnCheese_23
- Track 874 : Lea83_22, ShedlockHolmes_22
- Track 875 : Pharb_22
- Track 876 : Hurricane_22
- Track 877 : Keshu_22
- Track 878 : Fionnbharth_24
- Track 879 : DanSyl44_25
- Track 880 : Mitti_24, OmniCritical_24, Cheetobro_24, Lebo14_24, SamScheppers_22, Slarp_24, Chancellor_24, Qhanda_25
- Track 881 : Juliette_24
- Track 882 : JF1_24, Kraw_24, Wintermute_24, Malthus_25
- Track 883 : Reptar3000_24
- Track 884 : Y10_24, Y2_24
- Track 885 : Taquito_22
- Track 886 : Bobquesha_25
- Track 887 : MissDaisy_24
- Track 888 : Eponine_24, Ruthiejr_23
- Track 889 : Patt_24

- Track 890 : YasnayaPolyana_24
- Track 891 : Leston_21
- Track 892 : ViviJ_20, Agent47_21, InvictusManeo_21, LilDirt_20, Kratio_20, BananenDer11_21, DoubleChamp_21, Collard_21
- Track 893 : Feyre_21, Guillsminger_21, Waterfoul_21, Paola_21
- Track 894 : OkiRoe_21
- Track 895 : Miryou_21, Thyatira_21
- Track 896 : Gengar_21
- Track 897 : Heftyboy_21, SoSeph_21
- Track 898 : Amohnition_22
- Track 899 : Fefferhead_22
- Track 900 : Phrank_22, Tierra_22
- Track 901 : Ekdilam_20
- Track 902 : Bryler_22, Cain_22
- Track 903 : Unicorn_22, PhelpsODU_22
- Track 904 : Ximenita_23
- Track 905 : Tigress9_22
- Track 906 : November_21
- Track 907 : Applecrisp_21
- Track 908 : Marshawn_24
- Track 909 : Sunflower1121_21
- Track 910 : SirPhilip_22
- Track 911 : Lavahound_21
- Track 912 : Yuna_24
- Track 913 : Shadow1_21
- Track 914 : Krueger_22
- Track 915 : Syra333_22
- Track 916 : Hammy_22
- Track 917 : DarthP_22
- Track 918 : TClif_22
- Track 919 : Ellie_20
- Track 920 : Amgine_21
- Track 921 : Aminay_21
- Track 922 : Boilgate_20
- Track 923 : VanLee_20
- Track 924 : Colossa_20
- Track 925 : Journey_18, Gex_18, Scitech_18, Charlie_18, Magsby_18, Duplicity_18, Philonius_18, Cubone_18, Chewbacca_18, Tapioca_18, Melville_18, Silvy_18, Xerxes_18, Schnauzer_18, EGUnicorn_18, Parmesanjohn_18, Silvafighter_18, Bosection6_18, Phloss_18, Smurph_18, Fulbright_18, Carcharodon_18, Pipsqueaks_18, Tortoise12_18, Tessdabest_17, Aggie_18
- Track 926 : Jamie19_18, Phrann_18, ShrimpFriedEgg_18, Snekmaggedon_18, Shweta_18, Nenae_18, Spinach_18, BabeRuth_18, Redi_18, Panchino_18, Rebel_18, PhancyPhin_18, Purgamenstris_18, Hanako_18, SkinnyPete_18, Impisi_19, SpongeBob_18
- Track 927 : Kevin1_18, Rubeelu_18, Butters_18
- Track 928 : Raymond7_18
- Track 929 : Andies_18
- Track 930 : MichelleMyBell_18
- Track 931 : Xeno_18
- Track 932 : YoyoKar_54, TelAviv_53, Catdawg_56, Idergollasper_56, Zebo_56, Imara_54

- Track 933 : Corndog_59, Firecracker_57, Ryadel_60, JangDynasty_56, Schuy_57, MadKillah_57, Winget_57, YungJamal_61, Vagabond_56, NiebruSaylor_55, Familton_57, Bora_54, Krili_55, SchoolBus_56, Vorrps_56, Mori_56, Shida_56, Alkhayr_56, Ashwin_58, Blessica_57, KingPhillip3_55, FoulBall_56, Wogge42_55
- Track 934 : Zakhe101_56, Dylan_56
- Track 935 : Wildflower_56
- Track 936 : Murai_57
- Track 937 : Smooch_59
- Track 938 : Ksquared_19, Chubbello_19, Atcoo_19, Etoile_19, Sonah_19, Phineas_19, Techage_19, FirstPlacePfu_19, Willsammy_19, Juniormint_19, StevieRay_19, HUHilltop_19, Pygmy_18, GaloreK_19, Zilizebeth_19, Necropolis_19, Thespis_19, Kari_19, Bhagsy_19, Jebeks_19, Bartholomew_19, Brusacoram_19, Bunnies_19, Shipwreck_18, Langerak_19, Fishburne_19, Camster_19, Donovan_19, PeanutPie_19, Dynamo_19, Venti_19, Malithi_19, Vidya_19
- Track 939 : Mangethe_19, Majeke_19, Phegasus_19
- Track 940 : Megiddo_19, CactusJack_19, Gavriela_19, KilKor_19, StressBall_19, Phalm_19, Glaske_19
- Track 941 : Polkaroo_19
- Track 942 : GreaseLightnin_19, Bogie_18
- Track 943 : Arib1_19, BronnyJr_19
- Track 944 : Jung_19
- Track 945 : Tortellini_18
- Track 946 : Xavia_19
- Track 947 : Nazo_18
- Track 948 : BigNuz_18
- Track 949 : ThulaThula_18
- Track 950 : Phayonce_18
- Track 951 : Purky_18
- Track 952 : Amymech_22, Forge_22, Luke_22, Giles_22, BloominB_22, Evanesce_22, HH92_22, Dewey_22, Ubuntu_22, OBUpide_22, Luna22_22, Kinbote_22, DeepSoil15_22, Webster2_22, LilHazelNut_22, Hadrien_22, Hail_22, Wishmaker_22, Ein37_22, Daegal_23, Amochick_22
- Track 953 : Gravaillia_22
- Track 954 : Gancho_21
- Track 955 : NovoPizza_20
- Track 956 : Stellammi_16
- Track 957 : PhaoMing_17
- Track 958 : Gaia_16, Nebkiss_17
- Track 959 : Cracklewink_24, Bipper_24
- Track 960 : Hilltopfarm_24, Faiyaz_24, AuntGwenStacy_24, Typha_24
- Track 961 : 32HC_26
- Track 962 : Rem711_25
- Track 963 : P3MA_18
- Track 964 : TPA4_19
- Track 965 : Whack_18
- Track 966 : Gallia_42
- Track 967 : MooMoo_16
- Track 968 : TinyDot_19
- Track 969 : P1201_47
- Track 970 : Jace_17
- Track 971 : REQ3_50
- Track 972 : LilSpotty_18
- Track 973 : ChewyVIII_56

- Track 974 : Eyre_17
- Track 975 : GMA1_19
- Track 976 : DS6A_21
- Track 977 : Sleepyhead_18
- Track 978 : Finkle_19
- Track 979 : Tailonex_24
- Track 980 : Gudmit_18
- Track 981 : REQ2_20
- Track 982 : GAL1_20
- Track 983 : Mbo4_17
- Track 984 : Juicebox_19

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 149, it was called in 636 of the 2224 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_28, 40AC_31, ACFishhook_29, AN3_28, AN9_31, ANI8_31, AbbyPaige_30, AbbysRanger_27, Abdiel_26, Achebe_26, Acolyte_28, Adzzy_29, Agape74_30, Agatha_18, AgentM_24, Aglet_29, AgronaGT15_29, AikoCarson_17, Airmid_24, Albee_27, Alberto7_28, Amok_17, Anaysia_30, Aneem_28, AnnaL29_31, Annyong_27, Anon_28, Anselm_28, Anthony_27, Anubis_31, Apricot_19, Aragog_24, ArcherNM_30, Archetta_24, Arissanae_28, Artemis2UCLA_31, Arturo_26, Asapag_20, Astro_24, AugsMagnumOpus_31, AvatarAhPeg_28, Avle17_27, Axym_18, Ayanochan_31, Azira_20, B1_25, BABullseye_31, BENtherdunthat_20, Baby16_27, BabyJohn_26, BabyRay_27, Bachome_28, Backyardigan_27, Bactobuster_29, Badger_27, Baehexic_29, Balloona_17, BangNhom_27, Bartimeaus_27, Battleship_31, Bavilard_18, Beauxregard13_29, Beemo_30, Bellris_26, BellusTerra_27, Benedict_24, BengiVuitton_29, BennyP_31, Benvolio_28, BiancaTri92_30, BigChungus_17, Bigflo_29, BillDoor_20, Blackmoor_27, BlessJoy_31, Blinn1_31, Blue7_31, BlueBird_28, Bluefalcon_23, BogosyJay_29, Bombshell_27, Bonamassa_24, Boohoo_30, BotCity_20, Bowtie_28, Bradman_27, BreSam8_29, Broseidon_27, Bruiser_26, BubbleTrouble_27, Bubble_18, Bud_28, Budski_20, Bugatti_27, Buggy_30, Bumblebee11_27, Burger_26, Button_19, Buttrmilkdreams_18, BuzzBuzz_28, Bxz2_28, C3_26, CRB1_28, Caelakin_27, Caitlin_23, Calvinny_30, Camperdownii_26, Candra_31, Caraxes_27, Caviar_28, Celestiallunch_28, Centaur_30, CentreCat_27, Cerulean_28, Chadwick_25, ChampagnePapi_28, Changeling_30, Chaph_27, Chargerpower_29, Charm_28, Chartreuse_31, Che12_30, CheeseTouch_20, ChickenTender_20, ChipMunk_30, Chiqui_26, Chupacabra_27, Cici_27, Cintron_27, Citius_27, Clammy_27, Clarenza_27, Cleo_18, ClownCar_30, CocoaPuff_17, Cocoaberry_27, CogOmlette_26, Colbster_29, Commander_27, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Cozz_18, Crater_18, Croquant_30, Crucio_28, Cuco_24, Cullens_29, D29_28, D32_31, DBQu4n_31, DaHudson_29, DaVinci_31, Daishi_28, Dalmatian_28, Danforth_23, Darrell_30, DarthPhader_29, Datway_27, Deano_27, DeerParkTS_29, Deloris_29, DelvinSonDorr_30, Dhanush_27, Dieselweasel_29, Dignity_30, DirtyDunning_27, Discoknowium_24, Dixon_24, DontArgue_26, Dorothea_31, Drake55_30, Drake94_26, Dre3_18, DreamTeam1_28, DroogsArmy_28, DropBear_27, Druantia_27, Dublin_23,

DudeLittle_28, Duplo_31, DustyMartin_31, EZMoney23_32, EagleEye_30, Eagle_26, Eaglepride_28, Eapen_27, Ebony_28, Echild_28, Edison31_27, EdogawaKiddo_28, ElTiger69_24, Elephantoon_29, Elinal_19, Elle_28, Emalyn_17, EmyBug_30, EpicPhail_29, Epsocamisio_30, Equemioh13_30, EricB_31, Eris_26, Eros_27, Et2Brutus_27, EtoileNova_28, Eurydice_27, EvilGenius_30, Expelliarmus_23, ExplosioNervosa_30, Fameo_28, Farber_29, FatCactus_26, Fayely_30, Feastonyeet_17, Fernando_29, Fibonacci_28, FiringLine_28, First_0028, Flare16_28, Flaverint_28, Florean_27, Florence1_24, Florence4_25, Flux_27, FlyCatcher_31, ForGetIt_24, Fred313_27, Fribs8_19, Frickyeh_20, Funston_27, Gadost_27, Gail_28, Garak_32, GaugeLDP_30, Gemma_29, George_23, Georgie2_29, Getalong_21, Ghoulboy_24, GiKK_21, Gibbous_18, Gilberta_28, GingkoMaracino_29, Giroux_28, Gladiator_31, Goose_27, GreedyLawyer_31, Grif_29, Groundhog_23, Groupthink_30, Grub_29, Grum1_29, Gruunaga_31, GtownJaz_29, Gwennie_28, HINdeR_27, HamSlice_26, Hammer_31, Hanray_29, Happiness_27, HarryHoudini_30, HashRod_30, HaveUMetTed_30, Heathen_27, Heffalump_30, HelDan_27, Heliosoles_29, Helmet_31, Herbertwm_25, Hercules11_29, Hexamo_31, Hexbug_20, HippoHollow_29, HippoPololi_20, Horex_29, Holli_27, Holliday_20, Hookmount_28, Hoot_31, Horseradish_19, Horus_20, Houdini22_27, HuhtaEnerson15_24, Hutc2_28, Huxley_27, ICleared_27, Iceman_28, Idleandcovert_27, Indra_31, Insomnia_28, Iracema64_28, IronMan_30, Isca_27, Isiphiwo_31, Iwokeuplikedis_29, JF2_27, JF4_27, JHC117_29, JSwag_30, Jaan_31, Jabiru_24, Jabith_28, Jamzy_21, Jaykayelowell_27, Jeeves_28, Jeffabunny_31, JenCasNa_29, JeppNRM_30, Jerm_30, JetBlade_27, JewelBug_31, Jiawan_29, Jobu08_29, JoongJeon_27, Joselito_28, JoshKayV_30, Journey13_26, Jovo_24, Jsquared_27, KADY_30, KFPoly_27, Kachowdy_27, Kalb97_30, Kalnoky_30, Kamaru_20, Kampy_27, Katalie136_27, KatherineG_30, KayGee_18, Kazan_31, KekoraPapaka_26, Kenna_19, Kerberos_31, Keziacharles14_28, Kimba_28, Kimona_24, KingCyrus_30, Kingmustik0402_27, Kinmap_29, Kipper29_31, KittenMittens_26, Klodlith_28, Koan_27, Koduck_29, Koko_31, Koreni_26, Kratak_27, Kremtemulon_27, Kristoff_28, Kyee_27, L5_28, LBerry_29, LHTSCC_28, LadyBird_28, Lambert1_28, Landor_29, LappelDuVide_27, Larenn_29, LarryKay_29, LastResort_30, Lauer_17, Lemur_27, LeoAvram_27, Leogania_30, Leroy_20, Lev2_24, Leviathan_30, LilTurb_30, Lilbunny_31, Lilith_29, Lilleskat_28, LionsBait_29, LitninMcQueen_20, LittleB_27, LittleCherry_24, LittleGuy_27, LochMonster_27, LogiBear_30, LoneWolf_29, Looper_31, Lorenzo_27, Loser_31, Louie6_29, Iowa_29, Luchador_30, Lucivia_28, Lucyedi_29, LugYA_31, Lunsford_28, Lutum_20, MA5_27, MAnor_18, MK4_27, MScarn_20, MaCh_28, MaVan_20, Mabel_28, MadMarie_29, Mainiac_29, MajorMajor_27, Malec_29, Malinsilva_31, Malisha_21, Malvina_20, Maminiaina_29, Manu_30, MarQuardt_29, Marchesa_27, Margaret_21, Margo_28, Marie_29, Marius_30, Maverick_27, Maxo_27, Mayonnaise_27, Mayweather_19, Mazhar510_27, McDazzle_17, McFly_31, Medusa_27, MeeZee_27, Melvin_27, Methuselah_28, Micasa_24, Microwolf_29, MiculUcigas_28, Midas2_24, Miko_31, Milcery_24, Millski_26, MinecraftSteve_31, Minispark_26, Misomonster_31, MissWhite_28, Mollymur_31, MoneyMay_29, Montavir_28, Morpher26_27, Morrow_27, MuchMore_31, Mulciber_28, Munch_28, Mundrea_27, MunkgeeRoachy_18, NaSiaTalie_28, Naca_24, Naji_31, NearlyHeadless_24, Nebs_27, Nebulosus_30, Nedarya_29, Neeharika16_31, Nemo27_27, Newrala_31, Nibbles_20, NicoleTera_32, Nina_19, Noella_28, Norbert_27, NorthStar_27, NotAPhaseMom_27, NothingSpecial_30, Nyxis_27, OKCentral2016_27, OKaNui_28, Obama12_28, Odin_27, Ohfah_27, OlanP_29, Ollie_29, Onglai_29, Oofda_30, Orange_28, Orla_20, P28Green_29, PGHhamlin_31, PP_37, PainterBoy_29, Palestino_26, Panamaxus_27, Pawn_29, PeaceMeal1_26, Peaches_27, Pembroke_29, Penny1_29, Periwinkle_22,

Perplexer_27, PeterPeter_27, Petersenfast_27, PetiteSangsue_27, PetterN_25,
 Ph8s_29, Phabuloso_20, Phacado_27, Phaded_31, Phantastic_27, Pharaoh_28,
 Phelipe_27, Phighter1804_27, Phillis_24, PhishRPhriends_28, Phistory_21, Phlei_23,
 Phlorence_24, Phoebe_29, Phonnegut_30, Phontbonne_27, Phoxy_29, Phranny_30,
 PickleBack_24, Pioneer_30, Pipcraft_27, Piro94_29, Pistachio_28, Pmask_31,
 Pocahontas_28, Polymorphads_27, Polyphemus_31, Pomar16_31, Poompha_26,
 Popcicle_28, PotatoSplit_30, Power_28, Priamo_31, Prinashe11_25, Priya_30,
 Prudy_30, Pukovnik_30, Pumbaa_27, Puppy_28, PurpleHaze_29, Quasar_18,
 QueenB2_28, QueenBeesly_28, QuinnKiro_27, Quokka_26, Rachaly_31,
 Rahalelujah_27, RanchParmCat_21, Ravana_30, ReMo_30, Reba_30, Rebeuca_28,
 RedBaron_20, RedRock_31, Refuge_31, Relief_27, Remus_30, ResDef_28,
 Retro23_28, RhynO_28, Rifter_31, Roary_24, RockieBear_26, Rockstar_27,
 Roimos_27, Roksolana_31, Romney_27, Roosevelt_27, Rosa24_26, Rosalind_30,
 Rowdy_31, Ruin_27, Rummer_29, RyeScarlet_31, Sabertooth_27, Sabia_29,
 Sabinator_29, Sachima_28, Saintus_24, Salz_28, Saskia_27, SaturnRing_27,
 Scamp_27, Scherzo_30, Scorpia_25, Scout_27, SemperFi_30, SenorClean_27,
 Serenity_27, Severus_26, Shaka_27, Sham4_28, Shapes_31, ShawBrad_20,
 ShayRa_31, SheaKeira_28, SheckWes_17, Sheen_29, SheldonCooper_28,
 Shygu2_27, Skipitt_27, Sknot_28, Smeadley_24, Smeagan_30, SmellyB_31,
 SnapTap_28, Snape_28, Snickers_29, SoYo_29, SoilDragon_29, SororFago_28,
 Soshari_31, Soups_30, Sparxx_27, Spike509_29, Spino_27, Spooky_20, Spouty_30,
 Squiddly_22, Stagni_29, StarStuff_31, Stasia_28, SteMason_26, SteamedHams_20,
 Steamy_29, Stephig9_24, Stink_28, Strosahl_30, Sultana_27, SummitAcademy_17,
 Sunhee_28, SuperAwesome_31, SuperCallie99_31, Superchunk_27, Survivors_20,
 SweatNTears_20, SweetiePie_28, SwirlSquare_29, Swirley_24, Switzerland_30,
 SydNat_24, TNguyen7_27, Taquarus_27, Tarnish_18, TarsusIV_28, Tarynearal_23,
 Taurus_29, Temprado_31, Texage_27, Thanksgivukkah_27, Theia_22, Tiffany_29,
 Tiger_24, Timothy_28, Timshel_28, TinaFeyge_27, TinyPebbles_29, TinyTimmy_28,
 Tinybot_26, TopsytheTRex_27, TiroTheta9_27, Toaka_27, Todacoro_28, Tolls_20,
 Tomathan_31, ToneTone_29, Topanga_27, Toro_30, Travvers_31, Trike_25,
 Tristan_29, Trixie_31, Troje_18, Trooper_28, TroyPia_27, Tubs_30, Tucker_31,
 Turbido_30, Twigg_24, Twister_27, TygerBlood_27, Typhonomachy_18, Ugenie5_27,
 Ulysses_26, UnionJack_24, Updawg_30, VA6_28, VC3_31, Vanisoa_27,
 Veracruz_27, Vine_19, Vix_29, VohminGhazi_31, Waits_30, Wallaby_22,
 WalterMcMickey_27, Wander_27, Warrior24_30, Watson_29, Whabigail7_30,
 Whitney_21, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wizard007_27,
 Wolfwood_20, Wolpertinger_27, Wooldri_31, WorldCup_26, WunderPhul_31,
 Xena_27, Yakult_19, Yarn_17, Yecey3_29, YoSam321_27, Yokurt_31, Yucky_18,
 Yummy_19, Zaka_31, Zarafa_27, Zetzy_28, Zimmer_30, Zolita_23, Zulu_31,

Genes that have the "Most Annotated" start but do not call it:

- Aliter_30, Alma_30, AndPeggy_17, BabyBack_30, Biskit_19, Blondies_19,
 BobSwaget_31, Burnsey_18, CanesSauce_18, CaramelLatte_18, Carsonalex_19,
 CherryonLim_19, ChocoMunchkin_18, Cindaradix_26, CloudWang3_31, Colin_32,
 DekHockey33_30, Eidsmoe_30, ElJefes_17, Elliott_18, ForesterFrank_29, GTĒ2_16,
 GoldHunter_19, Gratitude_29, HortumSL17_30, Jordennis_31, Kalpine_31, Lokk_31,
 MarysWell_23, MegTheThird_28, Miramae_27, Myxus_30, Nodigi_20, Noelle_27,
 PackMan_30, Paphu_26, Phaeder_30, Pons_18, PotPie_18, PsychoKiller_18,
 Qobbit_30, RADical_19, RSchmailz_19, SketchMex_17, Socotra_19, Sopespian_18,
 Starburst_19, StepMih_29, Terrific_32, WeiHuaDA_34, XianYue_28, Zareef_20,

Genes that do not have the "Most Annotated" start:

• 244_26, 32HC_26, 8UZL_21, A6_25, ABCat_23, AFIS_27, APunk_36, Abblin_35, Abbyshoes_28, Abrogate_280, Abscondus_47, Acme_29, ActinUp_23, Adahisdi_28, Adelaide_17, Adephagia_23, Adnama_27, Adonis_23, Adora_20, Aeneas_29, Affeca_33, Agaliana_28, Agent47_21, Ageofdapage_23, Aggie_18, Agueybana_19, Ailee_33, AizenPogi_18, Ajay_28, Akhila_17, Alatin_23, Aldrich_29, Aleemily_19, Alexphander_18, Ali17_31, AlishaPH_23, Alkhayr_56, Aloeri_17, Alpacadoss_22, AlpineSix_16, Alsfro_31, Altman_29, AlumE_19, Alvin_28, Amao_24, Amelie_19, AmericanBeauty_26, Amgine_21, Aminay_21, Amochick_22, Amohnition_22, Amymech_22, Anaya_24, Andies_18, Angel_18, Angelica_23, Angelicage_33, Angelique_20, Anglerfish_28, AngryOrchard_22, Anma_23, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, Apocalypse_23, AppleCloud_21, Applecrisp_21, Applejack_27, Applejacks_18, Arcanine_28, ArchiDore_19, Archimedes_16, Archis_20, ArcusAngelus_16, Ardmore_16, Argent26_26, Arianna_19, Arib1_19, Ariel_34, Arlo_26, Aroostook_18, Arri_34, Arti_41, Asayake_23, Ashballe_27, Ashertheman_35, Ashwin_58, Asriel_23, Atcoo_19, Atiba_23, Atkinbua_29, Attis_17, Aubs_16, AuntGwenStacy_24, Avani_19, Avocado_18, Avrafan_18, Awesomesauce_17, Ayotoya_22, AzulaCat_18, Azula_21, BAKA_34, BBQValindra_19, BEEST_23, BGlluviae_23, BK1_25, BPBiabs31_28, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BackstagePass_19, BaconJack_29, BadStone_23, Baddon_34, BaghaKamala_23, Bakery_32, Balomogi_23, BananenDer11_21, Bantam_30, Barb_33, Barbarian_23, Barco_19, Barkley26_18, BarrelRoll_23, Barriga_27, BarrowTuph_26, Barsten_35, Bartholomew_19, Bask21_24, BatStarr_19, Batiatus_16, Baumdotcom_34, BaxterFox_18, Beakin_17, Beanstalk_18, BearBQ_19, Beatrix_27, Becksu_24, BeeGee_20, Beenie_20, BeesKnees_28, Beezoo_23, Begonia_20, Belenaria_23, Bella96_23, Belladonna_23, Belphegor_33, Bench_26, Bern_23, Bethlehem_27, BetterKatz_22, Bexan_26, Bhagsy_19, BiPauneto_44, Bialota_19, Bibwit_34, Big3_27, BigBubba_25, BigHunkinEater_38, BigMau_29, BigNuz_18, BigPaolini_28, BigPhil_17, Bigchungi_27, Bigfoot_26, Binglebops_19, BilboSwaggins_24, BillKnuckles_28, Bipolar_16, Bipper_24, Bircsak_27, Birdsong_19, Bizzy_35, Bjaness7_17, Blackflame_27, Blarby_20, Blesser_27, Blessica_57, Blexus_16, BlingBling_19, Blino_19, Blizzard_23, BloominB_22, BluSpix_27, BlueCrab_16, BlueNGold_100, Blue_27, Blueberry_21, Bluvara_19, Bob3_26, BobBob_32, BobaPhett_16, BobbyDazzler_23, Bobby_38, Bobi_18, Bobquesha_25, Bock_22, BodEinwohner17_16, Bogg_24, Bogie_18, Boiii_23, Boilgate_20, Bombitas_33, Bonanza_23, Bones_27, Bonum_44, Boomer_17, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, Bowser_19, BoyNamedSue_19, Bradissa_20, Bradshaw_23, Bran_17, Brandonk123_36, Brawn1_31, Braxoaddie_45, Brewer_24, BritBrat_20, Briton15_29, Brocalys_16, BronnyJames_28, BronnyJr_19, Brookers_17, BruceB_18, Bruin_24, Brujita_19, Bruns_26, Brusacoram_19, Brushbloom_17, BrutonGaster_36, Bryce_23, Bryler_22, Brylie_22, Bubbles123_17, Buck_23, Budgie_26, Buggaboo_42, BugsBunny_22, Bunker_19, Bunnies_19, Bunnybear_18, Burton_28, Burwell21_16, Butters_18, Buttons_29, BuzzLyseyear_18, Bxb1_25, ByChance_16, Byougenkin_16, C3PO_31, CLED96_18, CREW_23, Cabrinians_16, CactusJack_19, CactusRose_26, Cactus_25, Cafasso_19, Cain_22, CallaLilly_23, Cambiare_19, Camri_18, Camster_19, Capricorn_23, CaptainKirk2_19, CaptainTrips_17, Carcharodon_18, Cardigan_47, Carlyle_29, CarolAnn_19, CartmannCramer_27, CaseJules_23, Cashline_20, CassieYates_18, CatBus_29, Catdawg_56, Cedasite_18, Cerasum_17, ChadMasterC_35, Chanagan_26, Chance64_18, Chancellor_24, Charlie_18, Charming_35, Chavito_23, Che8_16, Che9d_19, CheeseSpider_22, CheetoDust_23, Cheetobro_24, CherryCola_34, Cherrybomb426_18, Chevrolet_16, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenDinner_17, Chipko_19, Chop_22,

ChosenOne_23, ChotaBhai_24, Chris_22, ChristmasHams_28, Chubbello_19, Chuckly_16, Ciao_27, Cjw1_24, ClamChowder_33, Clank_16, Clap_17, Clark_20, Clifton_16, Clipper_23, Cloudyecho_18, Clown_35, ClubL_48, Coco12_18, CoffeeBean_45, Coleslaw_18, Collard_21, Colleen_19, Colossa_20, Command613_25, Commandaria_43, ConceptII_29, Confidence_20, Constella_31, Contagion_23, Cookies_24, Coriander_19, Corium_16, Corndog_59, Cornucopia_17, Corvo_28, CosmicSans_23, Courthouse_34, CoveyB_33, Cracklewink_24, Crespo_18, CrimD_23, Crispicious1_26, Cruella_31, Crumble_16, CrystalP_24, Cubone_18, Cucurbita_50, Cueyllyss_27, Culver_48, Curiosium_24, Cynthia_17, Czystczon1_25, DD5_28, DLane_16, DMoney_18, DNAll_0018, DRBy19_16, DS6A_21, DaWorst_18, DaddyRickover_16, Daegal_23, Daenerys_16, Daikon_22, Dalilpop_46, Dalmuri_23, DanSyl44_25, Dante_16, Danyall_33, Daredevil_29, Darionha_18, DartGoblin_23, DarthP_22, Dartin_23, Darwin_34, DatBoi_31, DeadP_16, DearBasketball_21, Deb65_16, Deby_23, DeepSoil15_22, DelRio_23, Delian_19, Delrey21_34, Demsculpinboyz_19, Denise_17, Derg_30, Devera_23, Dewey_22, Dextert_33, Dexes_28, DillTech15_16, Dina_17, DingDing_18, Dinger_23, DinoNuggs_19, DirtDevil_29, DirtMcGirt_17, DirtyBoi_20, DismalFunk_19, DismalStressor_19, Dmitri_19, DmpstrDiver_35, DoRead_16, DobbysSock_19, DocMcStuffins_17, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Doggs_18, Dole_23, Dolores_20, DonkeyMan_18, Donkeykong_16, Donovan_19, Doom_28, Doomphist_16, Doomslug_18, Dorito_19, Dorothy_16, DosHalletts_17, DotProduct_16, DoubleChamp_21, Doug_17, Doughnut_19, Dove_34, DrDrey_25, DrFeelGood_26, DrHayes_23, Drago_17, DreamCatcher_30, Dreamboat_28, Dulcie_26, Dumbo_24, DumpsterDude_19, Duplicity_18, Durfee_23, Dusk_23, Dussy_28, Dusty_47, Dylan_56, Dynamix_28, Dynamo_19, ECartman_18, EGUnicorn_18, EMOore_31, EMSquaredA_20, Easley_20, Easy2Say_26, Ebert_17, Ecliptus_24, EdmundFerry_31, EdnaMode_17, Edtherson_28, Efra2_23, Egi03_31, Ein37_22, Eish_16, Ejimix_37, Ekdilam_20, EleanorGeorge_16, Elite2014_23, Ellie_20, Elph10_25, Emerson_23, EmiMonkey_16, Emianna_41, Emma_16, Emmaloid_17, Emmina_25, Empress_17, EnalisNailo_20, Enby_17, Engineer_49, Enkosi_19, Ennea_47, EnzoK_28, Eponine_24, Eradicator_16, Erik_23, Espica_23, Espresso_27, Estave1_16, Etoile_19, Eudoria_19, Euphoria_27, Eureka_24, Evamon_31, Evanesce_22, Eviarto_19, Ewald_22, Eyeball_27, Eyes_19, Eyre_17, FF47_21, Fairfaxidum_19, FairyPath_24, Faith5x5_17, Faiyaz_24, Fajezeel_29, Familton_57, Fancypants_16, Fascinus_26, Fastidio_16, Fefferhead_22, Fenn_28, Fenry_18, Feyre_21, Filch_25, Filuzino_16, Findley_19, Finkle_19, Fionnbharth_24, FireRed_24, Fireball_32, Firecracker_57, Firehouse51_17, FirstPlacePfu_19, Fishburne_19, Fitzgerald_33, FlagStaff_18, Flapper_45, Flathead_17, Flatwoods_35, Float294_43, Floral_20, Florinda_16, Flypotenuse_22, FoghornLeghorn_23, Forge_22, Forsytheast_26, Forza_101, Fosterous_33, FoulBall_56, Foxboro_42, Francis47_27, Francois_22, Frankie_17, FreddyB_16, Frizzle_16, FroggyToad_17, Froghopper_28, Frokostdame_19, Frosty24_18, Fruitloop_16, Fryberger_53, FuegoCuervo_37, Fugax_33, Fulbright_18, Fury_50, Fushigi_28, GAL1_20, GEazy_19, GMA1_19, GMA2_30, GMonster_26, GRU1_31, GTE5_32, GTE6_32, GTE8_30, Gumbie_16, Gachnar_27, Gaea_34, GageAP_29, Gage_26, Gagieri_45, Gaia_16, Galactic_16, Galadriel_35, Gallia_42, GaloreK_19, Gambino_21, Gancho_21, Gandalf20_28, Gandolph_16, Ganymede_24, Gator_22, Gavriela_19, Geeche_47, GemG_17, Gemini_27, Gengar_21, Geodirt_32, Geraldini_23, Geralt_16, Gex_18, Gezellig_31, Ghobes_16, Gideon_18, GigiOuiOui_16, Giles_22, Girafales_17, Girr_16, Gizermo_17, Glaske_19, Glexan_22, GodSpeed_19, GodonK_89, Goku_24, GoldenAsh_18, GoldenSpark_26, Goldilocks_25, Gollum_23, Gomashi_18, Gompeii16_27, Gonephishing_32, GooberAzure_26, Gorge_16, Graduation_29, GrandSlam_22, Gravallia_22, GreaseLightnin_19, GrecoEtereo_29,

Greep_25, Greg_29, Grimmer_17, Grizzly_18, GrootJr_43, GroundGoblin_29, Guacamole_19, Guanica15_23, Gudmit_18, Guey18_58, Guillsminger_21, Gustav_18, Gustavo_34, Gwendoluna_29, Gyzlar_29, HC_19, HH92_22, HUHilltop_19, Hades_16, Hadrien_22, Hail_22, Haley23_17, Halo3_32, Halo_18, Hami1_29, Hammy_22, Hamood_22, Hamulus_16, HanKaySha_25, HanShotFirst_27, Hanako_18, Hannaconda_31, HannahD_19, Hans_35, Harella_23, Harlequin_23, Harley_16, HarryOW_28, HedwigODU_23, Hedwig_20, Heftyboy_21, Hegedechwinu_17, Heinz_18, Henry_24, Hermia_30, HermioneGrange_27, Herod_19, Hibiscus_18, Hidrated_39, Highbury_25, Hilltopfarm_24, Hiro_23, Hitter_19, Hlubikazi_16, Holt_25, HomeFry_47, Homines_27, Homura_23, Hoonter_26, Hope4ever_27, Hope_18, Hopey_26, Hortense_20, Hotshotbaby7_18, Howe_20, HubbaBubba_39, HuffyPuff_23, Hughesyang_35, Hugley_19, Hurricane_22, Hyperbowlee_23, Hyzer_19, IDyn_42, IHOP_24, ILeeKay_29, IMpilo_16, IbOuu_16, Ibhubesi_16, Icee_23, Ichabod_28, IdentityCrisis_17, Idergollasper_56, IgnatiusPatJac_26, Illumine_23, Imara_54, Impisi_19, InLimbo_19, Inca_23, Inky_23, Inspectinfecti_34, Invetra_20, Inventum_16, InvictusManeo_21, Inyanga_26, Iqorha_26, IrishSherpFalk_17, Island3_19, JAWS_23, JC27_29, JCole_17, JF1_24, JKSyngboy_32, Jabbawokkie_21, Jabberwocky_33, Jablanski_20, Jace_17, JackSparrow_28, JacoRen57_17, JalFarm20_18, Jalammah_21, Jalleen_18, Jambalaya_31, James_16, Jamie19_18, Jane_18, JangDynasty_56, Jant_16, Jarcob_16, Jarvi_23, JasperJr_19, Jasper_28, Jayhawk_23, JeTaime_26, Jebeks_19, Jeckyll_23, Jecs_20, Jeilious_18, Jennelsea_16, Jerm2_28, Jester_23, Jifall16_40, Jinglebell_15, Job42_19, JoeyJr_16, JohnPork_31, Jojo24_18, Jolene_18, Jolie2_18, JonJames_47, Jonghyun_18, JorRay_18, Jorgensen_27, Journey_18, Joy99_23, JuJu_19, Juice456_18, Juicebox_19, JuliaChild_29, Juliette_24, Jung_19, Juniormint_19, Juniper1_16, JustASigh_18, KBG_28, KSSJEB_27, Kabluna_44, Kalah2_37, Kamashten_34, Kanely_28, Kanye_26, KappaFarmDelta_19, Kareem_18, Karhdo_16, Kari_19, Kasen3_18, KashFlow_28, Keelan_51, Keitabear_35, Kenmech_30, Kenuha5_16, Keshu_22, Kevin1_18, Kewpiedoll_34, KiSi_22, KidneyBean_41, KikiBouba_30, Kiko_20, KilKor_19, Killigrew_25, Kimberlium_18, Kimchi1738_31, Kimchi_26, KimmyK_33, Kinbote_22, KingJulian_16, KingMidas_17, KingPhillip3_55, Kingsley_17, Kita_19, Klein_37, Koella_16, Kostya_24, Krakatau_17, Kratio_20, Kraw_24, Krili_55, Krishelle_23, KristaRAM_17, Kroos_35, Krueger_22, Ksquared_19, Kugel_28, Kurt_41, Kuwabara_19, Kwekel_32, Kwobi_36, KyMonks1A_29, Kykar_25, Lamberg_17, Lamina13_27, Langerak_19, LastHope_23, LastJedi_16, LaterM_23, Latretium_17, Lavahound_21, LeMond_22, Lea83_22, Lebo14_24, Lederberg_17, Lemuria_19, Lennon_35, Leonard_33, Leozinho_17, Leperchaun_16, Lesedi_26, Leston_21, Levia_27, Licorice_29, Liefie_18, LilBib_28, LilDirt_20, LilHam_32, LilHazelNut_22, LilMoolah_16, LilPharaoh_19, LilSpotty_18, Lilac_26, Lilas_20, Lilbeanie_30, Lilizi_26, Lillie_23, Lilpickle_23, LindNT_23, LittleE_37, LittleShirley_17, Liveloughbron_24, Lizziana_16, Llama_16, Lij_16, Llorens_23, Lockley_27, Lollipop1437_46, LonelyBoi_20, LongHai_22, Lopton_28, LordFarquaad_17, LordVader_18, Lorde_17, LouisV14_18, Love_38, Lozinak_48, Lton_17, Lucia_17, Lucky10_18, Lucky2013_34, Luke_22, Luna22_22, LunaStella_18, Lunahalos_23, LunarLander_27, Lysidious_20, MISSy_23, MPhalcon_23, MPlant7149_26, MZKinsey_18, MacGully_50, MacKat_23, MacnCheese_23, Maco6_19, MadKillah_57, MadamMonkfish_24, Madavieve_19, Madeline_19, Madiba_17, MagicMan_19, Magnar_27, Magnito_26, Magsby_18, Mahavrat_16, Mahdia_18, Majeke_19, MakCheese_20, Makemake_27, Malachai_20, MalagasyRose_24, Malibo_20, Maliketh_18, Malithi_19, Malthus_25, Manasvini_19, Manatee_28, Manda_25, Mandlovu_16, Mangethe_19, Manilisa_23, Mantra_16, Maravista_16, Marcell_27, Marchy_26, Marco3_27, Marcoliusprime_19, Mareelih_99,

Marge_28, Maridalia_18, Marietta_43, MarkPhew_23, Marker_17, Marleymoo_41, Marmie_18, Maroc7_26, Marsha_27, Marshawn_24, Marshmallow_24, Marteena_20, Martik_16, MaryBeth_27, Maselop_45, Matteo_17, Mattes_16, Maxxinista_25, Mbo4_17, McCrothy_35, McGuire_28, McKinley_37, McMater_23, McSinger_28, Mcklovin_20, Mdavu_19, MeaningOfLife_23, Medindi_16, Megiddo_19, Megsy_23, MelBins_34, Melba_19, Melissauren88_16, Mellie_18, Melville_18, MerCougar_42, Mercurio_20, MetalQZJ_27, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Michley_27, MicyPS_17, MilanaBonita_17, MilleFeuille_26, MilleniumForce_17, Milly_19, Mindy_24, Minerva_37, MinionDave_17, Miniwave_24, Minnie_17, MintFen_19, Miryou_21, Misfit_24, Misha28_17, Miskis_46, MissDaisy_24, MissRona_21, MisterCuddles_16, Mitti_24, Mkhusei_28, Mocha12_17, ModicumRichard_19, Modragons_16, Moldemort_25, MollyToe_24, Molly_28, Monet_29, MooMoo_16, Moonbeam_17, Moonflower_19, MoontowerMania_34, Moose_26, Moosehead_17, Morgana_19, Mori_56, Morkie_18, Morrissey_19, MortyNRick_19, Mosby_23, Mova_17, Mowgli_18, Mozy_17, MrGordo_27, Mryolo_26, Ms6_16, Muddy_21, Mufasa_19, MulchExplorer_18, MulchSalad_16, Mulch_22, Mule_27, Murai_57, Murica_23, Murp_19, Murphy_25, Murucutumbu_23, Museum_29, Mutaforma13_16, Mutzi_33, Mwanjiwa_16, Mynx_23, MyraDee_25, Myrale_24, NEHalo_27, NaLuna_19, Nadeem_22, NadineRae_41, Naiad_23, Naira_28, Nala_24, Nancinator_23, NancyRae_22, NatB6_41, Natkenzie_35, Natosaleda_23, Nazo_18, Nebkiss_17, Necropolis_19, Nekros_34, NelitzaMV_24, Nenae_18, Neobush_19, Neoh_18, Nergal_22, Nerujay_28, Nettuno_17, Nhonho_27, Nibb_22, Nibley_29, Nichirin_16, NiebruSaylor_55, Nikao_19, Niklas_23, Nimbo_16, Nimrod_24, Nitzel_17, Nivrat_16, Niza_29, NoShow_18, NoSleep_25, NonchalantPear_24, Nordenberg_29, NormanBulbieJr_16, Norvs_49, Norz_29, NosilaM_44, November_21, NovoPizza_20, NovumRegina_41, Noxious_30, Nubi_31, Nutello_19, Nyceirae_23, Nymphadora_19, OBUpride_22, ODay_25, ObLaDi_19, Obliviate_18, Ochi17_16, OctaviousRex_18, Odette_36, OfUltron_16, Ogopogo_19, Ohgeesy_19, Ohno789_27, Okabe_18, OkiRoe_21, Oksu_17, OldBen_16, Olga_18, OlympiaSaint_16, Omega_36, OmniCritical_24, OneDirection_17, OneUp_42, Oogway_26, Opie_19, Optimus_35, Oregano_20, OrionPax_25, Oscar_22, Outis_42, Ovechkin_16, OwlsT2W_18, P1201_47, P3MA_18, PCoral7_19, PHappiness_16, PMC_16, PSonyx_17, PSullivan_29, Pacc40_16, Pace1224_18, PacerPaul_27, PaddyBaddy_25, Padfoot_23, Padpat_23, PaintedDog_18, Paito_18, Palpatine_24, Panchino_18, PantheRoc_19, Paola_21, Paperbeatsrock_26, Papez_29, Parada_22, Paraselene_26, Pari_28, Paries_37, Parliament_26, Parmesanjohn_18, Partridge_23, PascalRango_26, Pat3_23, Patio_44, PatoPoderoso_16, PatriciaStar_18, Patt_24, PattyP_29, Payneful_27, Peanam_23, PeanutPie_19, Peeb_18, Peel_23, Pelly_28, Pemberton_45, Pepe_28, Pepperoni_17, Peridot_18, Periodt_18, Perseus_28, Peterson_30, PeteyPab_33, Petp2012_29, Petra64142_26, Petra_21, Petruccio_28, PhailMary_22, Phaja_24, Phalconet_16, Phalm_19, PhancyPhin_18, Phanphagia_16, PhaoMing_17, Pharb_22, Pharsalus_25, Phasih_17, PhatBacter_24, Phatniss_17, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, PhelpsODU_22, Phendrix_87, PherrisBueller_28, PhesterPhotato_16, Philonius_18, Philus_16, Phinally_33, PhineBark_26, Phineas_19, PhinkBoden_48, Phish_18, Phishy_22, PhilipPhlop_16, Phlippers_26, Phloodle_18, Phlop_31, Phloss_18, Phoebus_36, Phomeo_40, PhorbesPhlower_18, Phrank_22, Phrankenstein_23, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, PhrostyMug_27, Phrux_24, Piatt_23, Pickett_17, Pimento_23, PinkCoffee_33, PinkPlastic_26, PinkYoshi_18, Pinnie_19, Pinto_30, Piper2020_17, Pipp_19, Pippin_29, Pippy_16, Pipsqueaks_18, Pisa1_22, Pisa4_22, Pita2_29, Pixie_22, Plagueis_18, Pleakley_50, Plumbus_17, Poenanya_16, Pokerus_22, Policronamos_24, Polka14_17, Polkaroo_19, Pollux_20,

Polly_19, Polyyuki_45, PopTart_16, Porcelain_33, Porky_24, Portcullis_31, Posh_20, PotatoChip_34, Poushou_19, PowerRanger_28, Powerball_19, PrincePatrick_19, Priscilla_16, Prithvi_23, ProMouse_26, Ptowny_24, PullumCavea_31, Pumpkin_26, Pumpkiney_36, Puppies_18, Puppet_27, Purgamenstris_18, Purky_18, Pygmy_18, Pytheas_20, QTRlifeCrisis_27, Qhanda_25, Quallification_25, QueenHazel_19, QuickMath_17, Quico_17, QuincyRose_22, REQ2_20, REQ3_50, RER2_16, RGL3_16, Rabbs_18, Radiance_16, Raid_27, Rajelicia_27, Rakim_25, Ramen_23, Ramsey_17, Rapunzel97_23, Rasputin_23, Rattrick_18, RavenCo17_17, RayTheFireFly_19, Raymond7_18, Rearden_31, Rebel_18, RedBird_16, RedRaider_48, Redi_18, Redno2_35, Rem711_25, Remy19_18, Renaissance_18, Reptar3000_24, RexFury_23, Reyja_19, Rhodalysa_23, Rhynn_27, Rialto_18, Ribeye_35, Richarlison_18, Richo_23, RidgeCB_27, Rimmer_23, Ringer_27, RitaG_16, Rita_16, RiverMonster_24, RiverRaider_35, Rizz_23, RoadKill_30, Rockne_16, RockyHorror_17, Rofo_35, RogerDodger_34, Rohr_28, Ronaldo_56, Rosmarinus_23, Royals2015_16, Rubeelu_18, Rubeus_28, Ruby_16, Rufus_28, Ruotula_26, Ruriko_18, Rutherferd_29, Ruthiejr_23, Ruthy_19, Ryadel_60, SG4_16, STLscum_28, Saal_16, Sagefire_28, Sahara_17, Saints25_25, Salvador_31, Salvus_22, SamScheppers_22, SamW_17, Samba_19, Samman98_20, Sampson_35, SamuelLPlaqson_23, Sandaddy_26, Sandalphon_17, Sanjuju_33, Santhid_18, Sanya_26, Sapo_16, SarFire_27, Sarma624_17, Saronaya_34, Sassafras_16, Sassay_23, SassyB_16, Savage_17, Savbucketdawg_31, Scarlett_22, Schatzie_34, Schiebel_18, Schnabeltier_19, Schnauzer_18, SchoolBus_56, SchottB_33, Schuy_57, Scioto_35, Scitech_18, Scottish_17, Scowl_28, Scuba_50, Seabastian_16, Seabiscuit_29, Seagreen_17, Seanderson_28, Sedona_35, Sekhmet_20, Sendy_32, SgtBeansprout_19, ShaboiShabazz_18, Shaboozey_28, Shadow1_21, ShamWow_24, Shaobing_23, SharkTale_31, Shauna1_16, ShedlockHolmes_22, ShereKhan_26, ShiLan_16, ShiaSurprise_23, Shida_56, Shinji_31, Shipwreck_18, Shivanishola_36, Shlim410_20, ShortQueendom_27, ShowerHandel_16, ShrimpFriedEgg_18, ShroomBoi_16, Shuman_23, Shweta_18, SiSi_16, Sibs6_29, Sidious_19, Silvafighter_18, SilverChicken_19, Silvy_18, Simpliphy_25, SimranZ1_17, SirDuracell_23, SirPhilip_22, Sitar_35, Sixama_99, Sixsevenium_32, Sizemore_18, SkiPole_29, SkinnyPete_18, Skysand_43, Slagathor_28, Slarp_24, Sleepyhead_18, Slim_17, Slimphazie_23, Smairt_28, Smeagol_29, SmokingBunny_31, Smooch_59, Smoothie_49, Smurph_18, Snazzy_26, Sneeze_18, Snekmaggedon_18, SoSeph_21, SoilAssassin_17, Soilmate_19, Solon_27, Sonah_19, SophKB_24, Sorpresa_27, Sotrice96_24, Soul22_19, Sparkdehlily_16, SpeedDemon_320, SpikeBT_29, Spikelee_17, Spinach_18, Spock_23, SpongeBob_18, Spoonbill_16, Sprinklemunch_18, Sproutie_17, Squee_28, Squint_33, Squirty_17, StAB_17, StAnnes_16, StCroix_23, Stank_27, Stap_17, StarStruck_42, Starceвич_17, Stargaze_18, Stark_25, StellaBean_24, Stellammi_16, StevieRay_19, StewieG_26, Stichling_32, Stickynote_33, Stiles_17, Stinson_23, StolenFromERC_26, StormChicken_24, StorminNorm_34, StressBall_19, Strobilo_19, Strokeseat_16, StrongArm_26, Stultus_33, Suerte_18, Sukkupi_43, Sulley_23, Sumter_26, Sunflower1121_21, Sunshine924_26, SuperGrey_17, SuperSulley_42, Superphikiman_34, Suscepit_19, SushiChef_20, SwagPigglett_16, Swann_23, Sweets_18, SwissCheese_28, Switzer_28, Swole_29, Syra333_22, TBond007_22, TBrady12_26, TChen_17, TClif_22, TDanisky_16, TM4_19, TPA4_19, TWAMP_23, Tachez_23, Taheera_18, Tailonex_24, TaiwanKao_24, Taj_16, Takoda_23, Tangent_35, Tangerine_34, Taotie_17, Tapioca_18, Taquito_22, Tardus_36, Target_30, Tarkin_26, TaronosaurasRx_19, Tarzan_18, Tasp14_28, Tayonia_19, Tchotchke_17, TeamEdward_24, TeardropMSU_23, Teaspoon_25, Techage_19, Teejan_19, TelAviv_53, Teodoridan_25, Terminus_24, Terror_18, Tessdabest_17,

ThankyouJordi_18, TheloniousMonk_29, Thespis_19, Thibault_33, Thimann_20, Thimble_24, Thing3_34, Thor_27, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Thyatira_21, Tiamoceli_33, Tierra_22, Tigress9_22, TillyBobJoe_31, TimTam_19, TinaBug_18, TingHuaYa_23, TiniBug_23, TinyDot_19, Tiri_23, Toast_19, Togo_31, TomBrady_18, Tomaszewski_23, Toniann_48, TootsiePop_17, Tootsieroll_17, Topgun_27, Topiatin_18, Topper_23, Torres_19, Tortellini_18, Tortoise12_18, Tote_29, Totinger_17, Toto_24, TouchMeNot_19, Towmatter_28, Traaww1_22, Tracker_41, Traft412_29, Treddle_29, TreyKay_23, TribbleTrouble_21, Trice_19, Trine_18, Tripl3t_28, Trouble_28, Troy_17, TruffulaTree_23, Trumpet_19, Tuco_25, TuertoX_17, Turj99_26, Turuncu_45, Tuti_20, Tweety_16, Twinkle_20, Twister6_33, Twitch_23, TwoPeat_28, Twonlo_30, Tycho_34, Typha_24, U2_27, Ubuntu_22, UhSalsa_23, Ukulele_24, UmaThurman_19, UncleRicky_17, Unicorn_22, Upyo_18, Urkel_23, Utz_19, VRedHorse_16, Vagabond_56, Valary_34, Validus_23, VanDeWege_34, VanLee_20, Vasanti_17, Veliki_23, Velveteen_17, Venti_19, Verity_34, Veteran_16, ViaConlectus_35, Vidya_19, Violac_17, Violet_26, Vivi2_37, ViviJ_20, Vivum_16, Volt_55, Vordorf_22, Vorrrps_56, WST1_18, Wachhund_16, Walrus_20, Wanda_37, Waterfoul_21, Watermelon_29, Webster2_22, Wee_17, Weirido19_19, WelcomeAyanna_18, Wendigo_18, Whack_18, Whatsapiecost_16, WheatThin_22, Wheeler_27, Wheezy_41, Whiteclaw_17, Whitspit_28, WhoseManz_43, Whouxphf_16, Widow_18, Wiggin_27, Wildflower_56, Wilkins_27, WillSterrel_17, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Wintermute_24, Wishmaker_22, Wisp_18, Wizard_31, Wocket_20, Wogge42_55, Wrigley_20, XFactor_16, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Ximenita_23, Xula_18, Y10_24, Y2_24, YangYin_18, YasnayaPolyana_24, YassJohnny_25, Yeet412_17, Yeezy_20, Yinzer_17, Yndexa_43, Yogi_23, Yoncess_23, Yorick_16, YorkOnyx_35, Yoshi_19, Youngblood_24, YoureAdopted_22, YoyoKar_54, Yuna_24, YungJamal_61, YungMoney_33, Yunkel11_23, YvonneTastic_45, ZAYM_19, Zabiza_23, Zakhe101_56, Zameen_19, Zapner_20, Zarbodnamra_19, Zavala_23, Zebo_56, Zeeculate_27, Zelink_38, Zephyr_27, Zerg_16, Zeuska_28, ZiggyZoo_18, Ziko_56, Zilizabeth_19, Zilla_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, Zizzle_16, ZoMa_18, Zodiariah_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 83:

- Found in 7 of 2504 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: FF47_21 (AB),

Start 84:

- Found in 6 of 2504 (0.2%) of genes in pham
- Manual Annotations of this start: 5 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_24 (Y), Bipper_24 (Y), Cracklewink_24 (Y), Faiyaz_24 (Y), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 85:

- Found in 37 of 2504 (1.5%) of genes in pham
- No Manual Annotations of this start.
- Called 10.8% of time when present

- Phage (with cluster) where this start called: JohnPork_31 (DC1), Sendy_32 (DC1), SharkTale_31 (DC1), Shinji_31 (DC1),

Start 89:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_24 (K6),

Start 90:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 91:

- Found in 25 of 2504 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 92:

- Found in 13 of 2504 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 2224
- Called 53.8% of time when present
- Phage (with cluster) where this start called: 8UZL_21 (AB), JacoRen57_17 (AB), LongHai_22 (AB), Maco6_19 (AB), Muddy_21 (AB), NoShow_18 (AB), Salvus_22 (AB),

Start 93:

- Found in 2 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_24 (AG), Nergal_22 (AG),

Start 95:

- Found in 55 of 2504 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Amgine_21 (K6),

Start 97:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NovoPizza_20 (Q),

Start 100:

- Found in 18 of 2504 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 5.6% of time when present
- Phage (with cluster) where this start called: BritBrat_20 (CY2),

Start 102:

- Found in 94 of 2504 (3.8%) of genes in pham
- Manual Annotations of this start: 86 of 2224
- Called 95.7% of time when present
- Phage (with cluster) where this start called: Affeca_33 (DE1), Ailee_33 (DE1), Angelicage_33 (DE1), Arri_34 (DC1), Ashertheman_35 (DE1), Baddon_34 (DE1), Bakery_32 (DC1), Barb_33 (DC1), Barsten_35 (DE1), Baumdotcom_34 (DE1), Bibwit_34 (DE1), Bizzy_35 (DE1), BobBob_32 (DE1), Brandonk123_36 (DE1), Brawn1_31 (DE1), ChadMasterC_35 (DE1), Charming_35 (DE1), CherryCola_34 (DC1), ClamChowder_33 (DC1), Clown_35 (DC2), CoveyB_33 (DC1), Danyall_33 (DC1), Derg_30 (DE1), Egi03_31 (DC1), Evamon_31 (DC1), Fireball_32 (DC1), Fitzgerald_33 (DE1), Flatwoods_35 (DE1), Fosterous_33 (DE1), FuegoCuervo_37 (DE1), Fugax_33 (DC1), Gaea_34 (DE1), Galadriel_35 (DE1), Geodirt_32 (DE1), Gezellig_31 (DC1), Gustavo_34 (DE1), Halo3_32 (DC1), JKSyngboy_32 (DE1), Jabberwocky_33 (DE1), Jambalaya_31 (DC1), Kamashten_34 (DE1), Keitabear_35 (DE1), Kewpiedoll_34 (DE1), KimmyK_33 (DC1), Kroos_35 (DE1), Kwobi_36 (DE1), Lennon_35 (DE1), LilHam_32 (DE1), Love_38 (DE1), McCrothy_35 (DE1), McKinley_37 (DE1), MoontowerMania_34 (DE1), Mutzi_33 (DC1), Nordenberg_29 (DE1), Nubi_31 (DC1), Paries_37 (DE1), Phlop_31 (DC1), PinkCoffee_33 (DC1), Portcullis_31 (DC1), PullumCavea_31 (DC1), Ribeye_35 (DE1), RiverRaider_35 (DE1), Rofo_35 (DE1), RogerDodger_34 (DC1), Salvador_31 (DC1), Sanjuju_33 (DE1), Saronaya_34 (DE1), Savbucketdawg_31 (DC1), SchottB_33 (DE1), Sedona_35 (DE1), Shivanishola_36 (DE1), Sitar_35 (DE1), Sixsevenium_32 (DC1), SmokingBunny_31 (DC1), Stichling_32 (DE1), StorminNorm_34 (DE1), Stultus_33 (DE1), Tangent_35 (DE1), Tangerine_34 (DE1), Thing3_34 (DE1), TillyBobJoe_31 (DC1), Togo_31 (DC1), Twister6_33 (DC1), Tycho_34 (DE1), Valary_34 (DC1), VanDeWege_34 (DC1), Vivi2_37 (DE1), Wizard_31 (DC1), YorkOnyx_35 (DE1), YungMoney_33 (DC1),

Start 105:

- Found in 2 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_16 (X), Nebkiss_17 (X),

Start 106:

- Found in 34 of 2504 (1.4%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 107:

- Found in 45 of 2504 (1.8%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 4.4% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 110:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stellammi_16 (UNK),

Start 111:

- Found in 164 of 2504 (6.5%) of genes in pham
- Manual Annotations of this start: 26 of 2224
- Called 18.9% of time when present
- Phage (with cluster) where this start called: Amohnition_22 (K6), BQuat_18 (G1), CLED96_18 (G1), Camri_18 (G1), Chance64_18 (G1), Cherrybomb426_18 (G1), DNAll_0018 (G1), DingDing_18 (G1), Ekdilam_20 (K6), Frosty24_18 (G1), Grizzly_18 (G1), Hotshotbaby7_18 (G1), Jane_18 (G1), Jonghyun_18 (G1), Kasen3_18 (G1), Krueger_22 (K6), LeMond_22 (K1), MZKinsey_18 (G1), Neoh_18 (G), Olga_18 (G1), Phish_18 (G1), Phloodle_18 (G1), PinkYoshi_18 (G1), Rabbs_18 (G1), Remy19_18 (G1), Richarlison_18 (G1), Scarlett_22 (K1), Sizemore_18 (G1), Sneeze_18 (G1), Sweets_18 (G1), YasnayaPolyana_24 (K4),

Start 113:

- Found in 34 of 2504 (1.4%) of genes in pham
- Manual Annotations of this start: 28 of 2224
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Alkhayr_56 (O), Ashwin_58 (O), Blessica_57 (O), Bora_54 (O), Catdawg_56 (O), Corndog_59 (O), Dylan_56 (O), Familton_57 (O), Firecracker_57 (O), FoulBall_56 (O), Idergollasper_56 (O), Imara_54 (O), JangDynasty_56 (O), KingPhillip3_55 (O), Krili_55 (O), MadKillah_57 (O), Mori_56 (O), NiebruSaylor_55 (O), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), TelAviv_53 (O), Vagabond_56 (O), Vorrrps_56 (O), Winget_57 (O), Wogge42_55 (O), YoyoKar_54 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_56 (O),

Start 115:

- Found in 2 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_17 (AJ), WST1_18 (AJ),

Start 116:

- Found in 74 of 2504 (3.0%) of genes in pham
- Manual Annotations of this start: 42 of 2224
- Called 62.2% of time when present
- Phage (with cluster) where this start called: 32HC_26 (Z), Amochick_22 (Q), Amymech_22 (Q), BloominB_22 (Q), Bobquesha_25 (K4), BoostSeason_19 (K2), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Doughnut_19 (K2), Ein37_22 (Q), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), Gancho_21 (Q), Giles_22 (Q), Gravallia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), Juliette_24 (K4), JustASigh_18 (AH), KiSi_22 (K1), Kinbote_22 (Q), LilHazelNut_22 (Q), Luke_22 (Q), Luna22_22 (Q), Marcoliusprime_19 (K2), Milly_19 (K2), MissDaisy_24 (K4), Mufasa_19 (K2), OBUpride_22 (Q), Oscar_22 (K1), Rem711_25 (Z), Reptar3000_24 (K4), Strobilo_19 (K2), TM4_19 (K2), Taquito_22 (K4), Ubuntu_22 (Q), Webster2_22 (Q), Weirido19_19 (AH), Wishmaker_22 (Q), ZoeJ_19 (K2),

Start 117:

- Found in 29 of 2504 (1.2%) of genes in pham
- Manual Annotations of this start: 26 of 2224
- Called 93.1% of time when present

- Phage (with cluster) where this start called: Angelique_20 (CY1), BearBQ_19 (DN), BeeGee_20 (CY5), Birdsong_19 (DN), Bradissa_20 (CY1), Cashline_20 (CY6), Confidence_20 (CY1), EMSquaredA_20 (CY1), Ecliptus_24 (DN), EnalisNailo_20 (CY1), Floral_20 (CY1), InLimbo_19 (DH), Jablanski_20 (CY3), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY7), Lucky10_18 (DH), Marteena_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY4), Pytheas_20 (CY3), TChen_17 (F4), Wrigley_20 (CY4),

Start 118:

- Found in 179 of 2504 (7.1%) of genes in pham
- Manual Annotations of this start: 152 of 2224
- Called 92.2% of time when present
- Phage (with cluster) where this start called: ActinUp_23 (K1), Adephagia_23 (K1), Adonis_23 (K1), Ageofdapage_23 (K1), AlishaPH_23 (K1), Amelie_19 (K1), Aminay_21 (K7), Anaya_24 (K1), Angelica_23 (K1), Anma_23 (K1), Apocalypse_23 (K1), Applecrisp_21 (K6), Asayake_23 (K1), Atiba_23 (K1), BEEST_23 (K1), BGlluvia_23 (K1), BaghaKamala_23 (K1), BarrelRoll_23 (K1), Beezoo_23 (K1), Bella96_23 (K1), Belladonna_23 (K1), Bern_23 (K1), Binglebops_19 (K1), Blizzard_23 (K1), Boiii_23 (K1), Boilgate_20 (K8), Bryler_22 (K6), CREW_23 (K1), Cain_22 (K6), CallaLilly_23 (K1), Capricorn_23 (K1), CaseJules_23 (K1), Chancellor_24 (K4), Chavito_23 (K1), CheetoDust_23 (K1), Cheetobro_24 (K4), Chris_22 (K1), Clipper_23 (K1), CrimD_23 (K1), Curiosium_24 (K1), Dalmuri_23 (K1), DanSyl44_25 (K4), DartGoblin_23 (K1), DarthP_22 (K6), Dartin_23 (K1), Deby_23 (K1), Devera_23 (K1), Dole_23 (K1), DrHayes_23 (K1), Durfee_23 (K1), Efra2_23 (K1), Ellie_20 (K6), Emerson_23 (K1), Enkosi_19 (K1), Eponine_24 (K4), Fionnbharth_24 (K4), Ganymede_24 (K1), Geraldini_23 (K1), Guanica15_23 (K1), Hammy_22 (K6), HedwigODU_23 (K1), Homura_23 (K1), Hurricane_22 (K3), Hyperbowlee_23 (K1), Illumine_23 (K1), Inky_23 (K1), JAWS_23 (K1), JF1_24 (K4), Jarvi_23 (K1), Jayhawk_23 (K1), Jeckyll_23 (K1), Joy99_23 (K1), Keshu_22 (K3), Kraw_24 (K4), LastHope_23 (K1), LaterM_23 (K1), Lavahound_21 (K6), Lea83_22 (K3), Lebo14_24 (K4), LilPharaoh_19 (K1), LindNT_23 (K1), Llorens_23 (K1), Lunahalos_23 (K1), MacKat_23 (K1), MacnCheese_23 (K3), Malthus_25 (K4), MarkPhew_23 (K1), Marshawn_24 (K6), McMater_23 (K1), Mdavu_19 (K1), MeaningOfLife_23 (K1), Megsy_23 (K1), Mitti_24 (K4), Murucutumbu_23 (K1), Mynx_23 (K1), Nibb_22 (K1), Nikao_19 (K1), Niklas_23 (K1), November_21 (K6), Nutello_19 (K1), OmniCritical_24 (K4), P3MA_18 (singleton), Padfoot_23 (K1), Padpat_23 (K1), Patt_24 (K4), Peanam_23 (K1), Peel_23 (K1), Pharb_22 (K3), PhelpsODU_22 (K6), Phrank_22 (K6), Piatt_23 (K1), Pisa1_22 (K1), Pisa4_22 (K1), Pixie_22 (K3), Pokerus_22 (K1), Prithvi_23 (K1), Qhanda_25 (K4), QuincyRose_22 (K1), Ramen_23 (K1), Rapunzel97_23 (K1), Richo_23 (K1), Rosmarinus_23 (K1), Ruthiejr_23 (K4), SamScheppers_22 (K4), SamuelLPlaqson_23 (K1), SgtBeansprout_19 (K1), Shadow1_21 (K6), Shaobing_23 (K1), ShedlockHolmes_22 (K3), ShiaSurprise_23 (K1), SirPhilip_22 (K6), Slarp_24 (K4), Slimphazie_23 (K1), Spock_23 (K1), Stinson_23 (K1), Sulley_23 (K1), Sunflower1121_21 (K6), Syra333_22 (K6), TBond007_22 (K3), TClif_22 (K6), Tachez_23 (K1), TaiwanKao_24 (K1), Teejan_19 (K1), Tierra_22 (K6), Tigress9_22 (K6), TingHuaYa_23 (K1), TiniBug_23 (K1), Tiri_23 (K1), Topper_23 (K1), Torres_19 (K1), TreyKay_23 (K1), TribbleTrouble_21 (K3), Trice_19 (K1), TruffulaTree_23 (K1), Twitch_23 (K1), Unicorn_22 (K6), Urkel_23 (K1), Validus_23 (K1), Veliki_23 (K1), Wintermute_24 (K4), Ximenita_23 (K6), YoureAdopted_22 (K1), Yunkel11_23 (K1), Zabiza_23 (K1), Zavala_23 (K1),

Start 119:

- Found in 69 of 2504 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present
- Phage (with cluster) where this start called: ZAYM_19 (DB),

Start 120:

- Found in 3 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DS6A_21 (singleton),

Start 121:

- Found in 68 of 2504 (2.7%) of genes in pham
- Manual Annotations of this start: 18 of 2224
- Called 27.9% of time when present
- Phage (with cluster) where this start called: Agent47_21 (K5), BananenDer11_21 (K5), Collard_21 (K5), DoubleChamp_21 (K5), Feyre_21 (K5), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), InvictusManeo_21 (K5), Kratio_20 (K5), Leston_21 (K5), LilDirt_20 (K5), Miryou_21 (K5), OkiRoe_21 (K5), Paola_21 (K5), SoSeph_21 (K5), Thyatira_21 (K5), ViviJ_20 (K5), Waterfoul_21 (K5),

Start 122:

- Found in 57 of 2504 (2.3%) of genes in pham
- Manual Annotations of this start: 48 of 2224
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), Bhagsy_19 (P1), BigNuz_18 (P4), BronnyJr_19 (P1), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Chubbello_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), Etoile_19 (P1), FirstPlacePfu_19 (P1), Fishburne_19 (P1), GaloreK_19 (P1), Gavriela_19 (P1), Glaske_19 (P1), HUHilltop_19 (P1), Jebeks_19 (P1), Jung_19 (P1), Juniormint_19 (P1), Kari_19 (P1), KilKor_19 (P1), Ksquared_19 (P1), Langerak_19 (P1), Majeke_19 (P1), Malithi_19 (P1), Mangethe_19 (P1), Megiddo_19 (P1), Nazo_18 (P4), Necropolis_19 (P1), PeanutPie_19 (P1), Phalm_19 (P1), Phayonce_18 (P5), Phegasus_19 (P1), Phineas_19 (P1), Polkaroo_19 (P1), Purky_18 (P6), Pygmy_18 (P1), Shipwreck_18 (P1), Sonah_19 (P1), StevieRay_19 (P1), StressBall_19 (P1), Techage_19 (P1), Thespis_19 (P1), ThulaThula_18 (P5), Tortellini_18 (P2), Venti_19 (P1), Vidya_19 (P1), Willsammy_19 (P1), Xavia_19 (P3), Zilizebeth_19 (P1),

Start 123:

- Found in 22 of 2504 (0.9%) of genes in pham
- Manual Annotations of this start: 8 of 2224
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Adelaide_17 (EP), Bran_17 (EP), Dina_17 (EP), GAL1_20 (singleton), Lederberg_17 (EP), PhaoMing_17 (UNK), SamW_17 (EP), StAB_17 (EP), Stiles_17 (EP), TPA4_19 (singleton), Troy_17 (EP),

Start 126:

- Found in 119 of 2504 (4.8%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 0.8% of time when present
- Phage (with cluster) where this start called: LilSpotty_18 (singleton),

Start 128:

- Found in 459 of 2504 (18.3%) of genes in pham
- Manual Annotations of this start: 37 of 2224
- Called 10.9% of time when present
- Phage (with cluster) where this start called: Ariel_34 (J), BAKA_34 (J), BabyBack_30 (A2), BobSwaget_31 (A2), Bobby_38 (J), Bombitas_33 (J), BronnyJames_28 (J), CloudWang3_31 (A6), Colin_32 (A2), Constella_31 (J), Courthouse_34 (J), DekHockey33_30 (A15), DmpstrDiver_35 (J), Dove_34 (J), Ejimix_37 (J), ForesterFrank_29 (A2), Gonephishing_32 (J), Gratitude_29 (A2), Hannaconda_31 (J), Hidrated_39 (J), Hughesyang_35 (J), Jordennis_31 (A6), Kalah2_37 (J), Kalpine_31 (A2), KashFlow_28 (J), Klein_37 (J), LittleE_37 (J), Loka_31 (A2), Lucky2013_34 (J), Marleymoo_41 (J), MiaZeal_34 (J), Minerva_37 (J), Nekros_34 (J), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Phoebus_36 (J), Porcelain_33 (J), Rearden_31 (J), Redno2_35 (J), Schatzie_34 (J), Shaboozey_28 (J), Squint_33 (J), Terrific_32 (A2), Thibault_33 (J), ThreeRngTarjay_35 (J), Wanda_37 (J), WeiHuaDA_34 (A2), XianYue_28 (A2), Zelink_38 (J),

Start 129:

- Found in 247 of 2504 (9.9%) of genes in pham
- Manual Annotations of this start: 222 of 2224
- Called 98.8% of time when present
- Phage (with cluster) where this start called: Akhila_17 (F1), Alexphander_18 (F1), Aloeri_17 (F1), AlpineSix_16 (F1), ArcusAngelus_16 (F1), Ardmore_16 (F1), Aubs_16 (F1), Awesomesauce_17 (F1), Batiatus_16 (F1), Beakin_17 (F1), Beanstalk_18 (F1), BigPhil_17 (F1), Bipolar_16 (F1), Blexus_16 (F1), BlueCrab_16 (F1), BobaPhett_16 (F1), Bobi_18 (F1), BodEinwohner17_16 (F1), Boomer_17 (F1), Brocalys_16 (F1), Brookers_17 (F1), Brushbloom_17 (F1), Bubbles123_17 (F1), Burwell21_16 (F1), BuzzLyseyear_18 (F1), ByChance_16 (F1), Byougenkin_16 (F1), Cabrinians_16 (F1), CaptainTrips_17 (F1), Cerasum_17 (F1), Che8_16 (F1), Chevrolet_16 (F1), ChickenDinner_17 (F1), Chuckly_16 (F1), Clank_16 (F), Clifton_16 (F1), Coco12_18 (F1), Corium_16 (F1), Cornucopia_17 (F1), Crumble_16 (F1), DLane_16 (F1), DRBy19_16 (F1), DaWorst_18 (F1), DaddyRickover_16 (F1), Daenerys_16 (F1), Dante_16 (F1), DeadP_16 (F1), Deb65_16 (F1), DillTech15_16 (F1), DoRead_16 (F1), DocMcStuffins_17 (F1), Donkeykong_16 (F1), Doomphist_16 (F1), Doomsbug_18 (F), Dorothy_16 (F1), DosHalletts_17 (F1), DotProduct_16 (F1), Doug_17 (F1), Drago_17 (F1), Eish_16 (F1), EleanorGeorge_16 (F1), EmiMonkey_16 (F1), Emma_16 (F1), Emmaloid_17 (F1), Empress_17 (F1), Enby_17 (F1), Eradicator_16 (F1), Estave1_16 (F1), Fancypants_16 (F1), Fastidio_16 (F1), Filuzino_16 (F1), Firehouse51_17 (F1), Flathead_17 (F1), Florinda_16 (F1), Frankie_17 (F1), FreddyB_16 (F1), Fruitloop_16 (F1), GUmbie_16 (F1), Galactic_16 (F1), Gandolph_16 (F1), Geralt_16 (F1), GigiOuiOui_16 (F1), Girafales_17 (F1), Girr_16 (F1), Gorge_16 (F1), Grimmer_17 (F1), Hades_16 (F1), Hamulus_16 (F1), Harley_16 (F1), Hegedechwinu_17 (F1), Hlubikazi_16 (F1), IMpilo_16 (F1), IbOuu_16 (F1), Ibhubes1_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jant_16 (F1), Jacob_16 (F1), Jennelsea_16 (F1), Jinglebell_15 (F1), Job42_19 (F1), JoeyJr_16 (F1), Juice456_18 (F1), Juniper1_16 (F1), Karhdo_16 (F1), Kenuha5_16 (F1), Kimberlium_18 (F1), KingJulian_16 (F1), KingMidās_17 (F1), Kingsley_17 (F1), Koella_16 (F1), Krakatau_17 (F1), KristaRAM_17 (F1), LastJedi_16 (F1), Latretium_17 (F1), Leozinho_17 (F1), Leperchaun_16 (F1), LilMoolah_16 (F1), LittleShirley_17 (F1), Lizziana_16 (F1), Llama_16 (F1), Llij_16 (F1), LordVader_18 (F), Lorde_17 (F1), Lucia_17 (F1), Madiba_17 (F1), Mahavrat_16 (F1), Mandlovu_16 (F1), Mantra_16 (F1), Maravista_16 (F1), Marker_17 (F1), Martik_16 (F1), Mattes_16 (F1), Medindi_16 (F1),

Melissauren88_16 (F1), MilanaBonita_17 (F1), MilleniumForce_17 (F1), MinionDave_17 (F1), Minnie_17 (F1), Misha28_17 (F1), MisterCuddles_16 (F1), Modragons_16 (F1), Moonbeam_17 (F1), Mova_17 (F1), Mozy_17 (F1), Ms6_16 (F1), MulchExplorer_18 (F1), MulchSalad_16 (F1), Mutaforma13_16 (F1), Mwanjiwa_16 (F1), Nichirin_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogopogo_19 (F1), Okabe_18 (F8), Oksu_17 (F1), OldBen_16 (F1), OlympiaSaint_16 (F1), Ovechkin_16 (F1), OwlsT2W_18 (F1), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), PatoPoderoso_16 (F1), Peridot_18 (F1), Phalconet_16 (F1), Phanphagia_16 (F1), Phasih_17 (F1), Phatniss_17 (F1), PhesterPhotato_16 (F1), Philus_16 (F1), PhilipPhlop_16 (F1), Piper2020_17 (F1), Pippy_16 (F1), Plumbus_17 (F1), Poenanya_16 (F1), Polka14_17 (F1), PopTart_16 (F1), Priscilla_16 (F1), QuickMath_17 (F1), Quico_17 (F1), Radiance_16 (F1), Ramsey_17 (F1), RedBird_16 (F1), Rialto_18 (F1), RitaG_16 (F1), Rita_16 (F1), Rockne_16 (F1), RockyHorror_17 (F1), Royals2015_16 (F1), Ruby_16 (F1), SG4_16 (F1), Saal_16 (F1), Sandalphon_17 (F1), Sassafras_16 (F1), SassyB_16 (F1), Scottish_17 (F1), Seabastian_16 (F1), Seagreen_17 (F1), Shauna1_16 (F1), ShiLan_16 (F1), ShowerHandel_16 (F1), ShroomBoi_16 (F1), SiSi_16 (F1), SimranZ1_17 (F1), Slim_17 (F1), Sparkdehlily_16 (F1), Spikelee_17 (F1), Spoonbill_16 (F1), Squirty_17 (F3), StAnnes_16 (F1), Stap_17 (F1), Starcevich_17 (F1), Strokeseat_16 (F1), SuperGrey_17 (F1), SwagPigglett_16 (F1), TDanisky_16 (F1), Taj_16 (F1), Tchotchke_17 (F1), TootsiePop_17 (F1), Tootsieroll_17 (F1), Topiatin_18 (F1), Totinger_17 (F1), Tweety_16 (F1), UncleRicky_17 (F1), VRedHorse_16 (F1), Velveteen_17 (F1), Veteran_16 (F1), Violac_17 (F1), Vivum_16 (F1), Wachhund_16 (F1), Wee_17 (F1), Whatsapiecost_16 (F1), Whouxphf_16 (F1), WillSterrel_17 (F1), XFactor_16 (F1), Yorick_16 (F1), Zerg_16 (F1), Zizzle_16 (F1),

Start 131:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nitzel_17 (F1),

Start 134:

- Found in 196 of 2504 (7.8%) of genes in pham
- Manual Annotations of this start: 130 of 2224
- Called 68.4% of time when present
- Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Aggie_18 (N), Amao_24 (E), AmericanBeauty_26 (E), Andies_18 (N), Argent26_26 (E), BabeRuth_18 (N), BaboJay_23 (E), BadStone_23 (E), Balomoji_23 (E), BigBubba_25 (E), Bosection6_18 (N), Brewer_24 (E), Buck_23 (E), Budgie_26 (E), Butters_18 (N), Cactus_25 (E), Carcharodon_18 (N), Charlie_18 (N), Chewbacca_18 (N), ChosenOne_23 (E), Command613_25 (E), Contagion_23 (E), Cookies_24 (E), CrystalP_24 (E), Cubone_18 (N), Czyszczonek_25 (E), DrDrey_25 (E), Duplicity_18 (N), Dusk_23 (E), EGUnicorn_18 (N), Elite2014_23 (E), Elph10_25 (E), Eureka_24 (E), FairyPath_24 (E), Filch_25 (E), Fulbright_18 (N), Gator_22 (E), Gemini_27 (E), Gex_18 (N), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), HankaySha_25 (E), Hanako_18 (N), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Impisi_19 (N), Jamie19_18 (N), Journey_18 (N), Kanye_26 (E), Kevin1_18 (N), Kimchi_26 (E), Kostya_24 (E), Lilac_26 (E), Lilizi_26 (E), Lilpickle_23 (E), MISSy_23 (E), MPhalcon_23 (E), MadamMonkfish_24 (E), Magsby_18 (N), Manda_25 (E), Melville_18 (N), MichelleMyBell_18 (N), Miniwave_24 (E), Misfit_24 (E), Moldemort_25 (E), Myrale_24 (E), Nenae_18 (N), Nimrod_24 (E), NoSleep_25 (E),

(E), NonchalantPear_24 (E), OrionPax_25 (E), Panchino_18 (N), Paperbeatsrock_26 (E), Parmesanjohn_18 (N), Pat3_23 (E), PhancyPhin_18 (N), Pharsalus_25 (E), PhatBacter_24 (E), Phaux_23 (E), Philonius_18 (N), Phloss_18 (N), Phrann_18 (N), Phrux_24 (E), Pipsqueaks_18 (N), Purgamenstris_18 (N), Qualification_25 (E), Raymond7_18 (N), Rebel_18 (N), Redi_18 (N), Rimmer_23 (E), Rubeelu_18 (N), Saints25_25 (E), Schnauzer_18 (N), Scitech_18 (N), ShamWow_24 (E), ShereKhan_26 (E), ShrimpFriedEgg_18 (N), Shweta_18 (N), Silvafighter_18 (N), Silvy_18 (N), Simpliphy_25 (E), SirDuracell_23 (E), SkinnyPete_18 (N), Smurph_18 (N), Snekmaggedon_18 (N), SophKB_24 (E), Sotrice96_24 (E), Spinach_18 (N), SpongeBob_18 (N), Stark_25 (E), StellaBean_24 (E), StolenFromERC_26 (E), Tapioca_18 (N), Tarkin_26 (E), TeardropMSU_23 (E), Teaspoon_25 (E), Terminus_24 (E), Tessdabest_17 (N), Thimble_24 (E), Thresher_25 (E), Tomaszewski_23 (E), Tortoise12_18 (N), Traaww1_22 (E), Tuco_25 (E), Ukulele_24 (E), Wiggin_27 (E), Xeno_18 (N), Xerxes_18 (N),

Start 135:

- Found in 2 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MooMoo_16 (singleton),

Start 136:

- Found in 10 of 2504 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 10.0% of time when present
- Phage (with cluster) where this start called: LunaStella_18 (F4),

Start 137:

- Found in 109 of 2504 (4.4%) of genes in pham
- Manual Annotations of this start: 56 of 2224
- Called 57.8% of time when present
- Phage (with cluster) where this start called: AizenPogi_18 (G1), Angel_18 (G1), Annihilator_18 (G1), Antsirabe_18 (G5), Aroostook_18 (G1), Avocado_18 (G2), Avrafan_18 (G1), AzulaCat_18 (G1), BPs_18 (G1), Babsiella_19 (I1), Barkley26_18 (G1), Bluvava_19 (I3), BruceB_18 (G1), Brujita_19 (I1), Cambiare_19 (G2), CassieYates_18 (G1), Cedasite_18 (G1), Cloudyecho_18 (G3), Coleslaw_18 (G1), Crespo_18 (G1), DMoney_18 (G1), Darionha_18 (G1), ECartman_18 (G1), Gideon_18 (G1), GoldenAsh_18 (G1), Gomashi_18 (G1), HC_19 (I1), Halo_18 (G1), Hope_18 (G1), Island3_19 (I1), Jeilious_18 (G), Jolene_18 (G1), JorRay_18 (G1), Kareem_18 (G1), Liefie_18 (G1), LouisV14_18 (G1), Maliketh_18 (G1), Marmie_18 (G1), Mowgli_18 (G1), OctaviousRex_18 (G1), PaintedDog_18 (I1), Paito_18 (G1), Peeb_18 (G1), Periodt_18 (G1), Phreak_18 (G1), Pinnie_19 (G3), Plagueis_18 (G1), QueenHazel_19 (I1), Rattrick_18 (G1), Renaissance_18 (G1), Ruriko_18 (G1), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Stargaze_18 (G5), Taheera_18 (G1), Terror_18 (G1), TinaBug_18 (G1), TomBrady_18 (G1), Wendigo_18 (G1), Xula_18 (I1), YangYin_18 (G5), ZoMa_18 (G1), Zombie_18 (G1),

Start 138:

- Found in 11 of 2504 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 9.1% of time when present
- Phage (with cluster) where this start called: MarysWell_23 (A5),

Start 139:

- Found in 70 of 2504 (2.8%) of genes in pham
- Manual Annotations of this start: 9 of 2224
- Called 31.4% of time when present
- Phage (with cluster) where this start called: AndPeggy_17 (CT), Biskit_19 (CT), Blondies_19 (CT), Burnsey_18 (CT), CanesSauce_18 (CT), CaramelLatte_18 (CT), Carsonalex_19 (CT), CherryonLim_19 (CT), ChocoMunchkin_18 (CT), ElJefes_17 (CT), Elliott_18 (CT), GoldHunter_19 (CT), Nodigi_20 (CT), Pons_18 (CT), PotPie_18 (CT), PsychoKiller_18 (CT), RADical_19 (CT), RSchmailzl_19 (CT), SketchMex_17 (CT), Socotra_19 (CT), Sopespian_18 (CT), Starburst_19 (CT),

Start 140:

- Found in 13 of 2504 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 2224
- Called 30.8% of time when present
- Phage (with cluster) where this start called: FlagStaff_18 (G2), Pace1224_18 (G2), Y10_24 (K4), Y2_24 (K4),

Start 141:

- Found in 8 of 2504 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 2224
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Fryberger_53 (DP), Guey18_58 (DP), Keelan_51 (DP), Ronaldo_56 (DP), Volt_55 (DP), Ziko_56 (DP),

Start 144:

- Found in 18 of 2504 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 2224
- Called 38.9% of time when present
- Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), Jecs_20 (DB), MagicMan_19 (DB), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurusRx_19 (DB),

Start 145:

- Found in 23 of 2504 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 13.0% of time when present
- Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnestic_45 (DD),

Start 146:

- Found in 55 of 2504 (2.2%) of genes in pham
- Manual Annotations of this start: 12 of 2224
- Called 25.5% of time when present
- Phage (with cluster) where this start called: Aliter_30 (A9), Alma_30 (A9), BBQValindra_19 (DB), BackstagePass_19 (DB), Bunker_19 (DB), Eidsmoe_30 (A9), GEazy_19 (DB), HannahD_19 (DB), HortumSL17_30 (A9), Myxus_30 (A9), NaLuna_19 (DB), PackMan_30 (A9), Phaeder_30 (A9), Qobbit_30 (A9),

Start 147:

- Found in 74 of 2504 (3.0%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present

- Phage (with cluster) where this start called: Jolie2_18 (G4),

Start 149:

- Found in 770 of 2504 (30.8%) of genes in pham
- Manual Annotations of this start: 636 of 2224
- Called 93.2% of time when present
- Phage (with cluster) where this start called: 20ES_28 (A2), 40AC_31 (A17), ACFishhook_29 (A3), AN3_28 (A2), AN9_31 (A2), ANI8_31 (A2), AbbyPaige_30 (A2), AbbysRanger_27 (A4), Abdiel_26 (A4), Achebe_26 (A4), Acolyte_28 (A2), Adzzy_29 (A2), Agape74_30 (A2), Agatha_18 (CT), AgentM_24 (A5), Aglet_29 (A3), AgronaGT15_29 (A3), AikoCarson_17 (CT), Airmid_24 (A5), Albee_27 (A4), Alberto7_28 (A4), Amok_17 (CT), Anaysia_30 (A15), Aneem_28 (A11), AnnaL29_31 (A2), Annyong_27 (A4), Anon_28 (A15), Anselm_28 (A2), Anthony_27 (A20), Anubis_31 (A3), Apricot_19 (DN3), Aragog_24 (A5), ArcherNM_30 (A2), Archetta_24 (A5), Arissanae_28 (A9), Artemis2UCLA_31 (A6), Arturo_26 (A4), Asapag_20 (DN1), Astro_24 (A8), AugsMagnumOpus_31 (A3), AvatarAhPeg_28 (A4), Avle17_27 (A4), Axym_18 (CT), Ayanochan_31 (A9), Azira_20 (CT), B1_25 (A3), BABullseye_31 (A6), BENTherdunthat_20 (DN1), Baby16_27 (A4), BabyJohn_26 (A3), BabyRay_27 (A3), Bachome_28 (A11), Backyardigan_27 (A4), Bactobuster_29 (A2), Badger_27 (A4), Baehexic_29 (A2), Balloona_17 (CT), BangNhom_27 (A4), Bartimeaus_27 (A4), Battleship_31 (A15), Bavidard_18 (CT), Beauxregard13_29 (A3), Beemo_30 (A9), Bellris_26 (A9), BellusTerra_27 (A4), Benedict_24 (A5), BengiVuitton_29 (A2), BennyP_31 (A6), Benvolio_28 (A2), BiancaTri92_30 (A2), BigChungus_17 (CT), Bigflo_29 (A3), BillDoor_20 (CT), Blackmoor_27 (A4), BlessJoy_31 (A6), Blinn1_31 (A6), Blue7_31 (A6), BlueBird_28 (A3), Bluefalcon_23 (A5), BogosyJay_29 (A9), Bombshell_27 (A4), Bonamassa_24 (A5), Boohoo_30 (A15), BotCity_20 (DN), Bowtie_28 (A11), Bradman_27 (A2), BreSam8_29 (A3), Broseidon_27 (A4), Bruiser_26 (A4), BubbleTrouble_27 (A4), Bubble_18 (CT), Bud_28 (A11), Budski_20 (DN), Bugatti_27 (A3), Buggy_30 (A2), Bumblebee11_27 (A4), Burger_26 (A4), Button_19 (CT), Buttrmlkdreams_18 (CT), BuzzBuzz_28 (A3), Bxz2_28 (A3), C3_26 (A2), CRB1_28 (A2), Caelakin_27 (A4), Caitlin_23 (A8), Calvinny_30 (A3), Camperdownii_26 (A4), Candra_31 (A6), Caraxes_27 (A2), Caviar_28 (A3), Celestiallunch_28 (A9), Centaur_30 (A2), CentreCat_27 (A4), Cerulean_28 (A4), Chadwick_25 (A5), ChampagnePapi_28 (A4), Changeling_30 (A2), Chaph_27 (A4), Chargerpower_29 (A22), Charm_28 (A9), Chartreuse_31 (A6), Che12_30 (A2), CheeseTouch_20 (DN1), ChickenTender_20 (CT), ChipMunk_30 (A2), Chiqui_26 (A3), Chupacabra_27 (A10), Cici_27 (A4), Cintron_27 (A4), Citius_27 (A4), Clammy_27 (A3), Clarenza_27 (A4), Cleo_18 (CT), ClownCar_30 (A3), CocoaPuff_17 (CT), CocoaBerry_27 (A4), CogOmlette_26 (A9), Colbster_29 (A3), Commander_27 (A4), Connomayer_27 (A4), Conquerage_30 (A9), Conspiracy_24 (A5), Coog_24 (A5), Cookiedough_31 (A6), Cozz_18 (CT), Crater_18 (DN3), Croquant_30 (A3), Crucio_28 (A2), Cuco_24 (A5), Cullens_29 (A3), D29_28 (A2), D32_31 (A2), DBQu4n_31 (A2), DaHudson_29 (A3), DaVinci_31 (A6), Daishi_28 (A3), Dalmatian_28 (A2), Danforth_23 (A8), Darrell_30 (A9), DarthPhader_29 (A12), Datway_27 (A4), Deano_27 (A4), DeerParkTS_29 (A2), Deloris_29 (A2), DelvinSonDorr_30 (A6), Dhanush_27 (A4), Dieselweasel_29 (A3), Dignity_30 (A2), DirtyDunning_27 (A4), Discoknowium_24 (A5), Dixon_24 (A8), DontArgue_26 (A10), Dorothea_31 (A6), Drake55_30 (A2), Drake94_26 (A10), Dre3_18 (CT), DreamTeam1_28 (A9), DroogsArmy_28 (A7), DropBear_27 (A3), Druantia_27 (A4), Dublin_23 (A5), DudeLittle_28 (A2), Duplo_31 (A2), DustyMartin_31 (A10), EZMoney23_32 (A2), EagleEye_30 (A16), Eagle_26 (A4), Eaglepride_28 (A10), Eapen_27 (A4), Ebony_28 (A11), Echid_28 (A2), Edison31_27 (A10), EdogawaKiddo_28 (A9), ElTiger69_24 (A5), Elephantoon_29 (A9), Elinal_19 (CT),

Elle_28 (A15), Emalyn_17 (CT), EmyBug_30 (A9), EpicPhail_29 (A3), Epsocamisio_30 (A15), Equemioh13_30 (A2), EricB_31 (A6), Eris_26 (A4), Eros_27 (A4), Et2Brutus_27 (A11), EtoileNova_28 (A3), Eurydice_27 (A4), EvilGenius_30 (A2), Expelliarmus_23 (A8), ExplosioNervosa_30 (A9), Fameo_28 (A2), Farber_29 (A3), FatCactus_26 (A20), Fayely_30 (A9), Feastonyeet_17 (CT), Fernando_29 (A3), Fibonacci_28 (A11), FiringLine_28 (A2), First_0028 (A2), Flare16_28 (A2), Flaverint_28 (A11), Florean_27 (A4), Florence1_24 (A5), Florence4_25 (A5), Flux_27 (A4), FlyCatcher_31 (A7), ForGetIt_24 (A5), Fred313_27 (A3), Fribs8_19 (CT), Frickyeah_20 (DN1), Funston_27 (A4), Gadost_27 (A4), Gail_28 (A14), Garak_32 (A6), GaugeLDP_30 (A2), Gemma_29 (A3), George_23 (A5), Georgie2_29 (A2), Getalong_21 (DN1), Ghouboy_24 (A5), GiKK_21 (CT), Gibbous_18 (CT), Gilberta_28 (A11), GingkoMaracino_29 (A3), Giroux_28 (A3), Gladiator_31 (A6), Goose_27 (A10), GreedyLawyer_31 (A6), Grif_29 (A3), Groundhog_23 (A8), Groupthink_30 (A3), Grub_29 (A3), Grum1_29 (A3), Gruunaga_31 (A6), GtownJaz_29 (A3), Gwennie_28 (A3), HINder_27 (A7), HamSlice_26 (A4), Hammer_31 (A6), Hanray_29 (A9), Happiness_27 (A4), HarryHoudini_30 (A2), HashRod_30 (A3), HaveUMetTed_30 (A3), Heathen_27 (A3), Heffalump_30 (A2), HelDan_27 (A3), Heliosoles_29 (A3), Helmet_31 (A6), Herbertwm_25 (A2), Hercules11_29 (A3), Hexamo_31 (A6), Hexbug_20 (CT), HippoHollow_29 (A2), HippoPololi_20 (CT), Horex_29 (A9), Holli_27 (A4), Holliday_20 (DN1), Hookmount_28 (A3), Hoot_31 (A6), Horseradish_19 (CT), Horus_20 (DN1), Houdini22_27 (A4), HuhtaEnerson15_24 (A5), Hutc2_28 (A11), Huxley_27 (A4), ICleared_27 (A4), Iceman_28 (A4), Idleandcovert_27 (A3), Indra_31 (A6), Insomnia_28 (A11), Iracema64_28 (A4), IronMan_30 (A2), Isca_27 (A3), Isiphiwo_31 (A6), Iwokeuplieddis_29 (A2), JF2_27 (A3), JF4_27 (A3), JHC117_29 (A3), JSwag_30 (A15), Jaan_31 (A2), Jabiru_24 (A5), Jabith_28 (A11), Jamzy_21 (CT), Jaykayelowell_27 (A4), Jeeves_28 (A14), Jeffabunny_31 (A6), JenCasNa_29 (A3), JeppNRM_30 (A3), Jerm_30 (A2), JetBlade_27 (A4), JewelBug_31 (A6), Jiawan_29 (A9), Jobu08_29 (A3), JoongJeon_27 (A4), Joselito_28 (A11), JoshKayV_30 (A2), Journey13_26 (A2), Jovo_24 (A5), Jsquared_27 (A2), KADY_30 (A3), KFPoly_27 (A4), Kachowdy_27 (A3), Kalb97_30 (A3), Kalnoky_30 (A3), Kamaru_20 (DN1), Kamy_27 (A4), Katalie136_27 (A4), KatherineG_30 (A15), KayGee_18 (CT), Kazan_31 (A6), KekoraPapaka_26 (A4), Kenna_19 (DN1), Kerberos_31 (A2), Keziacharles14_28 (A9), Kimba_28 (A11), Kimona_24 (A19), KingCyrus_30 (A2), Kingmustik0402_27 (A4), Kinmap_29 (A21), Kipper29_31 (A6), KittenMittens_26 (A10), Klodlith_28 (A9), Koan_27 (A4), Koduck_29 (A2), Koko_31 (A6), Koreni_26 (A4), Kratak_27 (A4), Kremtemulon_27 (A4), Kristoff_28 (A10), Kyee_27 (A4), L5_28 (A2), LBerry_29 (A3), LHTSCC_28 (A4), LadyBird_28 (A2), Lambert1_28 (A3), Landor_29 (A2), LappelDuVide_27 (A4), Larenn_29 (A2), LarryKay_29 (A3), LastResort_30 (A15), Lauer_17 (CT), Lemur_27 (A4), LeoAvram_27 (A4), Leogania_30 (A2), Leroy_20 (DN1), Lev2_24 (A5), Leviathan_30 (A2), LilTurb_30 (A2), Lilbunny_31 (A6), Lilith_29 (A3), Lilleskat_28 (A9), LionsBait_29 (A2), LitninMcQueen_20 (DN1), LittleB_27 (A4), LittleCherry_24 (A5), LittleGuy_27 (A4), LochMonster_27 (A4), LogiBear_30 (A15), LoneWolf_29 (A9), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Iowa_29 (A3), Luchador_30 (A14), Lucivia_28 (A11), Lucyedi_29 (A16), LugYA_31 (A3), Lunsford_28 (A4), Lutum_20 (DN1), MA5_27 (A3), MAnor_18 (CT), MK4_27 (A3), MScarn_20 (CT), MaCh_28 (A11), MaVan_20 (CT), Mabel_28 (A11), MadMarie_29 (A3), Mainiac_29 (A3), MajorMajor_27 (A2), Malec_29 (A2), Malinsilva_31 (A3), Malisha_21 (DN), Malvina_20 (CT), Maminiaina_29 (A9), Manu_30 (A3), MarQuardt_29 (A3), Marchesa_27 (A3), Margaret_21 (CT), Margo_28 (A3), Marie_29 (A3), Marius_30 (A3), Maverick_27 (A4), Maxo_27 (A4), Mayonnaise_27 (A4), Mayweather_19 (CT), Mazhar510_27 (A4), McDazzle_17 (CT), McFly_31 (A6), Medusa_27 (A4),

MeeZee_27 (A4), Melvin_27 (A4), Methuselah_28 (A3), Micasa_24 (A5), Microwolf_29 (A3), MiculUcigas_28 (A2), Midas2_24 (A5), Miko_31 (A2), Milcery_24 (A5), Millski_26 (A4), MinecraftSteve_31 (A15), Minispark_26 (A9), Misomonster_31 (A3), MissWhite_28 (A2), Mollymur_31 (DL), MoneyMay_29 (A3), Montavir_28 (A3), Morpher26_27 (A4), Morrow_27 (A4), MuchMore_31 (A3), Mulciber_28 (A11), Munch_28 (A11), Mundrea_27 (A4), MunkgeeRoachy_18 (CT), NaSiaTalie_28 (A2), Naca_24 (A5), Naji_31 (A2), NearlyHeadless_24 (A8), Nebs_27 (A4), Nebulosus_30 (A15), Nedarya_29 (A15), Neeharika16_31 (A6), Nemo27_27 (A4), Newrala_31 (A6), Nibbles_20 (CT), NicoleTera_32 (A2), Nina_19 (CT), Noella_28 (A3), Norbert_27 (A3), NorthStar_27 (A4), NotAPhaseMom_27 (A4), NothingSpecial_30 (A2), Nyxis_27 (A4), OKCentral2016_27 (A10), OKaNui_28 (A4), Obama12_28 (A4), Odin_27 (A2), Ohfah_27 (A4), OlanP_29 (A3), Ollie_29 (A3), Onglai_29 (A9), Oofda_30 (A15), Orange_28 (A11), Orla_20 (CT), P28Green_29 (A3), PGHhamlin_31 (A3), PP_37 (A7), PainterBoy_29 (A16), Palestino_26 (A4), Panamaxus_27 (A3), Pawn_29 (A3), PeaceMeal1_26 (A10), Peaches_27 (A4), Pembroke_29 (A3), Penny1_29 (A3), Periwinkle_22 (DN1), Perplexer_27 (A4), PeterPeter_27 (A4), Petersenfast_27 (A11), PetiteSangsue_27 (A4), PetterN_25 (A5), Ph8s_29 (A2), Phabuloso_20 (DN1), Phacado_27 (A4), Phaded_31 (A2), Phantastic_27 (A3), Pharaoh_28 (A12), Felipe_27 (A4), Phighter1804_27 (A4), Phillis_24 (A8), PhishRPhriends_28 (A3), Phistory_21 (DN1), Phlei_23 (A13), Phlorence_24 (A5), Phoebe_29 (A3), Phonnegut_30 (A9), Phontbonne_27 (A4), Phoxy_29 (A3), Phranny_30 (A3), PickleBack_24 (A5), Pioneer_30 (A9), Pipcraft_27 (A4), Piro94_29 (A2), Pistachio_28 (A3), Pmask_31 (A6), Pocahontas_28 (A3), Polymorphads_27 (A4), Polyphemus_31 (A6), Pomar16_31 (A2), Poompha_26 (A10), Popcicle_28 (A3), PotatoSplit_30 (A3), Power_28 (A2), Priamo_31 (A6), Prinasse11_25 (A5), Priya_30 (A9), Prudy_30 (A2), Pukovnik_30 (A2), Pumbaa_27 (A4), Puppy_28 (A3), PurpleHaze_29 (A3), Quasar_18 (CT), QueenB2_28 (A2), QueenBeesly_28 (A2), QuinnKiro_27 (A3), Quokka_26 (A2), Rachaly_31 (A2), Rahalelujah_27 (A9), RanchParmCat_21 (CT), Ravana_30 (A15), ReMo_30 (A15), Reba_30 (A3), Rebeuca_28 (A10), RedBaron_20 (CT), RedRock_31 (A2), Refuge_31 (A12), Relief_27 (A4), Remus_30 (A15), ResDef_28 (A3), Retro23_28 (A2), RhynO_28 (A10), Rifter_31 (A6), Roary_24 (A8), RockieBear_26 (A4), Rockstar_27 (A3), Roimos_27 (A3), Roksolana_31 (A6), Romney_27 (A4), Roosevelt_27 (A4), Rosa24_26 (A4), Rosalind_30 (A15), Rowdy_31 (A10), Ruin_27 (A4), Rummer_29 (A3), RyeScarlet_31 (A9), Sabertooth_27 (A4), Sabia_29 (A3), Sabinator_29 (A3), Sachima_28 (A9), Saintus_24 (A8), Salz_28 (A11), Saskia_27 (A11), SaturnRing_27 (A3), Scamp_27 (A4), Scherzo_30 (A9), Scorpia_25 (A5), Scout_27 (A3), SemperFi_30 (A2), SenorClean_27 (A4), Serenity_27 (A2), Severus_26 (A10), Shaka_27 (A4), Sham4_28 (A11), Shapes_31 (A10), ShawBrad_20 (DN1), ShayRa_31 (A15), Sheakeira_28 (A9), SheckWes_17 (CT), Sheen_29 (A7), SheldonCooper_28 (A4), Shygu2_27 (A4), Skipitt_27 (A4), Sknot_28 (A2), Smeadley_24 (A8), Smeagan_30 (A2), SmellyB_31 (A6), SnapTap_28 (A2), Snape_28 (A11), Snickers_29 (A3), SoYo_29 (A3), SoilDragon_29 (A3), SororFago_28 (A14), Soshari_31 (A3), Soups_30 (A15), Sparxx_27 (A4), Spike509_29 (A3), Spino_27 (A4), Spooky_20 (DN2), Spouty_30 (A9), Squiddly_22 (DN2), Stagni_29 (A3), StarStuff_31 (A2), Stasia_28 (A4), SteMason_26 (A4), SteamedHams_20 (CT), Steamy_29 (A12), Stephig9_24 (A8), Stink_28 (A4), Strosahl_30 (A15), Sultana_27 (A4), SummitAcademy_17 (CT), Sunhee_28 (A14), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), Survivors_20 (CT), SweatNTears_20 (CT), SweetiePie_28 (A2), SwirlSquare_29 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), TNguyen7_27 (A3), Taquarus_27 (A4), Tarnish_18 (CT), TarsusIV_28 (A2), Tarynearal_23 (A5), Taurus_29 (A3), Temprado_31 (A6), Texage_27 (A3), Thanksgivukkah_27 (A4), Theia_22 (A5), Tiffany_29 (A3), Tiger_24

(A5), Timothy_28 (A11), Timshel_28 (A7), TinaFeyge_27 (A4), TinyPebbles_29 (A3), TinyTimmy_28 (A11), Tinybot_26 (A4), TipsytheTRex_27 (A2), TiroTheta9_27 (A4), Toaka_27 (A9), Todacoro_28 (A3), Tolls_20 (CT), Tomathan_31 (A2), ToneTone_29 (A6), Topanga_27 (A10), Toro_30 (A7), Travvers_31 (A2), Trike_25 (A10), Tristan_29 (A2), Trixie_31 (A2), Troje_18 (CT), Trooper_28 (A2), TroyPia_27 (A4), Tubs_30 (A9), Tucker_31 (A6), Turbido_30 (A2), Twigg_24 (A5), Twister_27 (A10), TygerBlood_27 (A4), Typhonomachy_18 (CT), Ugenie5_27 (A9), Ulysses_26 (A4), UnionJack_24 (A5), Updawg_30 (A2), VA6_28 (A2), VC3_31 (A2), Vanisoa_27 (A9), Veracruz_27 (A3), Vine_19 (CT), Vix_29 (A3), VohminGhazi_31 (A6), Waits_30 (A15), Wallaby_22 (CT), WalterMcMickey_27 (A10), Wander_27 (A4), Warrior24_30 (A15), Watson_29 (A3), Whabigail7_30 (A2), Whitney_21 (DN1), WideWale_30 (A2), Wiks_31 (A6), Wilbur_27 (A4), Wile_27 (A4), Wizard007_27 (A4), Wolfwood_20 (CT), Wolpertinger_27 (A11), Wooldri_31 (A3), WorldCup_26 (A9), WunderPhul_31 (A6), Xena_27 (A4), Yakult_19 (CT), Yarn_17 (CT), Yecey3_29 (A9), YoSam321_27 (A4), Yokurt_31 (A6), Yucky_18 (CT), Yummy_19 (CT), Zaka_31 (A6), Zarafa_27 (A3), Zetzy_28 (A3), Zimmer_30 (A12), Zolita_23 (A5), Zulu_31 (A6),

Start 150:

- Found in 18 of 2504 (0.7%) of genes in pham
- Manual Annotations of this start: 17 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_47 (CQ1), Aphelion_48 (CQ1), Bachita_50 (CQ1), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Cucurbita_50 (CQ1), Culver_48 (CQ1), Dusty_47 (CQ1), Engineer_49 (CQ1), Geeche_47 (CQ1), Lozinak_48 (CQ1), Miskis_46 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 151:

- Found in 251 of 2504 (10.0%) of genes in pham
- Manual Annotations of this start: 225 of 2224
- Called 95.2% of time when present
- Phage (with cluster) where this start called: A6_25 (A1), AFIS_27 (A1), Abbyshoes_28 (A1), Abrogate_280 (A1), Acme_29 (A1), Adahisdi_28 (A1), Aeneas_29 (A1), Ajay_28 (A1), Aldrich_29 (A1), Alsfro_31 (A1), Altman_29 (A1), Alvin_28 (A1), Anglerfish_28 (A1), Applejack_27 (A1), Arcanine_28 (A1), Arianna_19 (EO), Arlo_26 (A1), Ashballer_27 (A1), Atkinbua_29 (A1), BK1_25 (A1), BPBiabs31_28 (A1), BaconJack_29 (A1), Barriga_27 (A1), BarrowTuph_26 (A1), Beatrix_27 (A1), BeesKnees_28 (A1), Bethlehem_27 (A1), Bexan_26 (A1), Big3_27 (A1), BigMau_29 (A1), BigPaolini_28 (A1), Bigchungi_27 (A1), Bigfoot_26 (A1), BillKnuckles_28 (A1), Bircsak_27 (A1), BluSpix_27 (A1), Blue_27 (A1), Bob3_26 (A1), Bones_27 (A1), Briton15_29 (A1), Bruns_26 (A1), Burton_28 (A1), Buttons_29 (A1), Bxb1_25 (A1), CactusRose_26 (A1), Carlyle_29 (A1), CatBus_29 (A1), Chanagan_26 (A1), Ciao_27 (A1), Colleen_19 (EO), ConceptII_29 (A1), Corvo_28 (A1), Crispicous1_26 (A1), Cueyliss_27 (A1), DD5_28 (A1), Dexes_28 (A1), DirtDevil_29 (A1), Doom_28 (A1), DrFeelGood_26 (A1), DreamCatcher_30 (A1), Dreamboat_28 (A1), Dulcie_26 (A1), Dussy_28 (A1), Dynamix_28 (A1), Edtherson_28 (A1), EnzoK_28 (A1), Espresso_27 (A1), Euphoria_27 (A1), Eyeball_27 (A1), Fajezeel_29 (A1), Fascinus_26 (A1), Fenn_28 (A1), Forsytheast_26 (A1), Francis47_27 (A1), Froghopper_28 (A1), Fushigi_28 (A1), GMonster_26 (A1), Gachnar_27 (A1), GageAP_29 (A1), Gandalf20_28 (A1), GodSpeed_19 (G2), Gompeii16_27 (A1), Graduation_29 (A1), GrecoEtereo_29 (A1), Greg_29 (A1), GroundGoblin_29 (A1), Gwendoluna_29 (A1), Gyzlar_29 (A1), Hami1_29 (A1), HanShotFirst_27 (A1),

HarryOW_28 (A1), Hermia_30 (A1), HermioneGrange_27 (A1), Homines_27 (A1), Hope4ever_27 (A1), ILeeKay_29 (A1), Ichabod_28 (A1), Inyanga_26 (A1), Iqorha_26 (A1), JC27_29 (A1), JackSparrow_28 (A1), Jasper_28 (A1), Jerm2_28 (A1), Jorgensen_27 (A1), JuliaChild_29 (A1), KBG_28 (A1), KSSJEB_27 (A1), Kanely_28 (A1), Kenmech_30 (A1), KikiBouba_30 (A1), Killigrew_25 (A1), Kugel_28 (A1), KyMonks1A_29 (A1), Kykar_25 (A1), Lamina13_27 (A1), Lesedi_26 (A1), Levia_27 (A1), Licorice_29 (A1), LilBib_28 (A1), Lockley_27 (A1), Lopton_28 (A1), LunarLander_27 (A1), MPlant7149_26 (A1), Magnito_26 (A1), Makemake_27 (A1), Manatee_28 (A1), Marcell_27 (A1), Marchy_26 (A1), Marco3_27 (A1), Marge_28 (A1), Maroc7_26 (A1), Marsha_27 (A1), MaryBeth_27 (A1), McGuire_28 (A1), McSinger_28 (A1), MetalQZJ_27 (A1), Michley_27 (A1), MilleFeuille_26 (A1), Mkhusele_28 (A1), Molly_28 (A1), Monet_29 (A1), Moose_26 (A1), MrGordo_27 (A1), Mryolo_26 (A1), Mule_27 (A1), Museum_29 (A1), MyraDee_25 (A18), NEHalo_27 (A1), Naira_28 (A1), Nerujay_28 (A1), Nhonho_27 (A1), Niza_29 (A1), Norz_29 (A1), Noxious_30 (A1), Ohno789_27 (A1), Oogway_26 (A1), PSullivan_29 (A1), PacerPaul_27 (A1), Paphu_26 (A1), Paraselene_26 (A1), Pari_28 (A1), Parliament_26 (A1), PascalRango_26 (A1), PattyP_29 (A1), Payneful_27 (A1), Pelly_28 (A1), Pepe_28 (A1), Perseus_28 (A1), Peterson_30 (A1), Petp2012_29 (A1), Petruchio_28 (A1), PherrisBueller_28 (A1), PhineBark_26 (A1), Phlippers_26 (A1), PhrostyMug_27 (A1), PinkPlastic_26 (A1), Pinto_30 (A1), Pippin_29 (A1), Pita2_29 (A1), Poushou_19 (EO), ProMouse_26 (A1), Puppet_27 (A1), QTRlifeCrisis_27 (A1), Raid_27 (A1), Rajelicia_27 (A1), Rhynn_27 (A1), RidgeCB_27 (A1), Ringer_27 (A1), Rohr_28 (A1), Rubeus_28 (A1), Rufus_28 (A1), Ruotula_26 (A1), Rutherford_29 (A1), STLscum_28 (A1), Sagefire_28 (A1), Sandaddy_26 (A1), Sanya_26 (A1), SarFire_27 (A1), Scowl_28 (A1), Seabiscuit_29 (A1), Seanderson_28 (A1), ShortQueendom_27 (A1), Sibs6_29 (A1), SkiPole_29 (A1), Slagathor_28 (A1), Smairt_28 (A1), Smeagol_29 (A1), Snazzy_26 (A1), Solon_27 (A1), Sorpresa_27 (A1), SpikeBT_29 (A1), Squee_28 (A1), StrongArm_26 (A1), Sumter_26 (A1), Sunshine924_26 (A1), SwissCheese_28 (A1), Switzer_28 (A1), Swole_29 (A1), Target_30 (A1), Tasp14_28 (A1), Teodoridan_25 (A1), TheloniousMonk_29 (A1), Thor_27 (A1), Topgun_27 (A1), Tote_29 (A1), TouchMeNot_19 (EO), Traft412_29 (A1), Treddle_29 (A1), Tripl3t_28 (A1), Trouble_28 (A1), Turj99_26 (A1), TwoPeat_28 (A1), U2_27 (A1), Violet_26 (A1), Watermelon_29 (A1), Wheeler_27 (A1), Wilkins_27 (A1), Zeeculate_27 (A1), Zephyr_27 (A1),

Start 152:

- Found in 8 of 2504 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 2224
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), SpeedDemon_320 (DL), Towmatter_28 (DL),

Start 153:

- Found in 72 of 2504 (2.9%) of genes in pham
- Manual Annotations of this start: 10 of 2224
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Avani_19 (F2), Blarby_20 (F), Che9d_19 (F2), Cindaradix_26 (A4), Demsculpinboyz_19 (F2), Jabbawokkie_21 (F2), Miramae_27 (A4), Noelle_27 (A4), SilverChicken_19 (F2), Soul22_19 (F2), Yoshi_19 (F2), Zapner_20 (F2),

Start 154:

- Found in 10 of 2504 (0.4%) of genes in pham

- Manual Annotations of this start: 7 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chipko_19 (DB), Coriander_19 (DB), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Hedwig_20 (DB), Kiko_20 (DB), Moonflower_19 (DB), PatriciaStar_18 (DB), RayTheFireFly_19 (DB),

Start 156:

- Found in 31 of 2504 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 3.2% of time when present
- Phage (with cluster) where this start called: Zareef_20 (CT),

Start 157:

- Found in 8 of 2504 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_19 (DZ), Cafasso_19 (DZ), Colossa_20 (KA), ModicumRichard_19 (DZ), Morgana_19 (DZ), ObLaDi_19 (DZ), REQ3_50 (singleton), VanLee_20 (KA),

Start 160:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_19 (singleton),

Start 163:

- Found in 23 of 2504 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 2224
- Called 13.0% of time when present
- Phage (with cluster) where this start called: Bonanza_23 (CA), Dinger_23 (CA), Jester_23 (CA),

Start 167:

- Found in 249 of 2504 (9.9%) of genes in pham
- Manual Annotations of this start: 5 of 2224
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Agaliana_28 (A1), Blackflame_27 (A1), Blesser_27 (A1), IgnatiusPatJac_26 (A1), Magnar_27 (A1), Papez_29 (A1), PowerRanger_28 (A1), StewieG_26 (A1), Zeuska_28 (A1),

Start 168:

- Found in 21 of 2504 (0.8%) of genes in pham
- Manual Annotations of this start: 17 of 2224
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Ayotoya_22 (DI), BetterKatz_22 (DI), Bock_22 (DI), Brylie_22 (DI), Chop_22 (DI), DelRio_23 (DI), DumpsterDude_19 (DW), Francois_22 (DI), GrandSlam_22 (DI), Hamood_22 (DI), Mulch_22 (DI), Nadeem_22 (DI), NancyRae_22 (DI), Parada_22 (DI), Pimento_23 (DI), Sprinklemunch_18 (DW), WheatThin_22 (DI), Zodiariah_18 (DW),

Start 170:

- Found in 97 of 2504 (3.9%) of genes in pham

- Manual Annotations of this start: 41 of 2224
- Called 49.5% of time when present
- Phage (with cluster) where this start called: Arti_41 (CR2), Bonum_44 (CR2), Buggaboo_42 (CR2), Commandaria_43 (CR2), Dalilpop_46 (CR1), Emianna_41 (CR2), Ennea_47 (CR3), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), Gallia_42 (singleton), GrootJr_43 (CR2), HomeFry_47 (CR5), HubbaBubba_39 (CR4), IDyn_42 (CR4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kurt_41 (CR2), Lollipop1437_46 (CR3), MerCougar_42 (CR2), MicyPS_17 (EQ), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Outis_42 (CR2), P1201_47 (singleton), PSonyx_17 (EQ), Patio_44 (CR3), Phomeo_40 (CR2), Pleakley_50 (CR5), RedRaider_48 (CR3), Scuba_50 (CR5), Skysand_43 (CR3), StarStruck_42 (CR2), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Taotie_17 (EQ), Tracker_41 (CR2), Turuncu_45 (CR1), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 171:

- Found in 75 of 2504 (3.0%) of genes in pham
- Manual Annotations of this start: 8 of 2224
- Called 10.7% of time when present
- Phage (with cluster) where this start called: C3PO_31 (EN), Cruella_31 (EN), Darwin_34 (EN), Kimchi1738_31 (EN), PeteyPab_33 (EN), PotatoChip_34 (EN), Stickynote_33 (EN), Zion_34 (EN),

Start 172:

- Found in 39 of 2504 (1.6%) of genes in pham
- Manual Annotations of this start: 32 of 2224
- Called 87.2% of time when present
- Phage (with cluster) where this start called: Alatin_23 (CA), Alpacados_22 (CA), AngryOrchard_22 (CA), AppleCloud_21 (CA), Belenaria_23 (CA), Bradshaw_23 (CA), Bryce_23 (CA), CosmicSans_23 (CA), Erik_23 (CA), Espica_23 (CA), Gollum_23 (CA), Harlequin_23 (CA), Hiro_23 (CA), Krishelle_23 (CA), Lillie_23 (CA), Naiad_23 (CA), Nancinator_23 (CA), Natosaleda_23 (CA), Partridge_23 (CA), PhailMary_22 (CA), Phrankenstien_23 (CA), RER2_16 (CA), Rasputin_23 (CA), RexFury_23 (CA), Rhodalysa_23 (CA), Shuman_23 (CA), StCroix_23 (CA), Swann_23 (CA), TWAMP_23 (CA), Tailonex_24 (singleton), Takoda_23 (CA), UhSalsa_23 (CA), Yogi_23 (CA), Yoncess_23 (CA),

Start 174:

- Found in 18 of 2504 (0.7%) of genes in pham
- Manual Annotations of this start: 9 of 2224
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Apiary_45 (CR6), BabyMoney_21 (DT), Braxoaddie_45 (CR6), CoffeeBean_45 (CR6), Gagieri_45 (CR6), MacGully_50 (CR7), Manilisa_23 (DT), Maselop_45 (CR6), Nyceirae_23 (DT), Phishy_22 (DT), Polyyuki_45 (CR6), Vordorf_22 (DT),

Start 175:

- Found in 10 of 2504 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Sixama_99 (DS),

Start 176:

- Found in 6 of 2504 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 177:

- Found in 6 of 2504 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 178:

- Found in 74 of 2504 (3.0%) of genes in pham
- Manual Annotations of this start: 57 of 2224
- Called 86.5% of time when present
- Phage (with cluster) where this start called: Adora_20 (CZ4), Agueybana_19 (CZ1), AlumE_19 (CZ1), Annalisa_20 (CZ4), Antonio_19 (CZ1), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), BiPauneto_44 (CR4), Bialota_19 (CZ1), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Bunnybear_18 (CZ), Clark_20 (CZ4), DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Invectra_20 (CZ4), Kita_19 (CZ1), Madavieve_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MichaelScott_20 (CZ4), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), PantheRoc_19 (CZ3), Pemberton_45 (CR4), PhriskyACE_19 (CZ4), Polly_19 (CZ1), Powerball_19 (CZ4), Rizz_23 (CZ4), Samman98_20 (CZ4), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Suerte_18 (CZ4), Suscepit_19 (CZ1), SushiChef_20 (CZ), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Trumpet_19 (CZ1), Tuti_20 (CZ4), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 179:

- Found in 86 of 2504 (3.4%) of genes in pham
- Manual Annotations of this start: 33 of 2224
- Called 41.9% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjaness7_17 (CZ2), Clap_17 (CZ2), Cynthia_17 (CZ2), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Jalleen_18 (CZ2), Lamberg_17 (CZ2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Nettuno_17 (CZ2), OneDirection_17 (CZ6), Pepperoni_17 (CZ), Pickett_17 (CZ2), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2), Yinzer_17 (CZ2),

Start 181:

- Found in 15 of 2504 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 2224
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Meyran_21 (DT),

Start 186:

- Found in 9 of 2504 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: MakCheese_20 (DW),

Start 191:

- Found in 3 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 195:

- Found in 554 of 2504 (22.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 0.7% of time when present
- Phage (with cluster) where this start called: CartmannCramer_27 (A1), ChristmasHams_28 (A1), StepMih_29 (A3), Whitspit_28 (A1),

Start 196:

- Found in 187 of 2504 (7.5%) of genes in pham
- Manual Annotations of this start: 48 of 2224
- Called 33.2% of time when present
- Phage (with cluster) where this start called: Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Becksu_24 (E), Bench_26 (E), BilboSwaggins_24 (E), Bogg_24 (E), Bruin_24 (E), BugsBunny_22 (E), ChotaBhai_24 (E), Daikon_22 (E), DoctorDiddles_24 (E), Dumbo_24 (E), Easy2Say_26 (E), Emmina_25 (E), FireRed_24 (E), Flypotenuse_22 (E), FoghornLeghorn_23 (E), Gage_26 (E), Glexan_22 (E), Greep_25 (E), Harella_23 (E), Henry_24 (E), Hopey_26 (E), HufflyPuff_23 (E), IHOP_24 (E), Icee_23 (E), Inca_23 (E), JeTaimé_26 (E), Liveloughbron_24 (E), Marshmallow_24 (E), Maxxinista_25 (E), Mindy_24 (E), MollyToe_24 (E), Mosby_23 (E), Murica_23 (E), Murphy_25 (E), Nala_24 (E), NelitzaMV_24 (E), Nibley_29 (J), PaddyBaddy_25 (E), Palpatine_24 (E), Petra64142_26 (E), Phaja_24 (E), Policronamos_24 (E), Porky_24 (E), Ptowny_24 (E), Pumpkin_26 (E), Rakim_25 (E), RiverMonster_24 (E), Sassay_23 (E), Stank_27 (E), StormChicken_24 (E), Superphikiman_34 (J), TBrady12_26 (E), TeamEdward_24 (E), Toto_24 (E), Willez_23 (E), Xandras_26 (E), YassJohnny_25 (E), Youngblood_24 (E), xkcd_25 (E),

Start 200:

- Found in 28 of 2504 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 201:

- Found in 2 of 2504 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Applejacks_18 (CD),

Start 206:

- Found in 4 of 2504 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_100 (DS), Boopy_101 (DS), Forza_101 (DS), Mareelih_99 (DS),

Start 208:

- Found in 16 of 2504 (0.6%) of genes in pham
- Manual Annotations of this start: 12 of 2224
- Called 93.8% of time when present
- Phage (with cluster) where this start called: DearBasketball_21 (DY), DinoNuggs_19 (DY), DonkeyMan_18 (DY), GMA2_30 (DS), Gustav_18 (CD), Heinz_18 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Mahdia_18 (CD), Puppies_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Upyo_18 (CD), Widow_18 (CD),

Start 210:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_18 (CD),

Start 211:

- Found in 1 of 2504 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Malibo_20 (DW),

Start 213:

- Found in 30 of 2504 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Lilbeanie_30 (DE5),

Start 214:

- Found in 63 of 2504 (2.5%) of genes in pham
- Manual Annotations of this start: 22 of 2224
- Called 36.5% of time when present
- Phage (with cluster) where this start called: APunk_36 (DE4), Abblin_35 (DE4), Ali17_31 (DE2), Belphegor_33 (DE2), BigHunkinEater_38 (DE4), Delrey21_34 (DE4), DoctorFroggo_34 (DE4), EMoore_31 (DE2), Hans_35 (DE2), Inspectinfecti_34 (DE2), Leonard_33 (DE2), MelBins_34 (DE2), Natkenzie_35 (DE4), Phauci_26 (DE2), Phinally_33 (DE2), Pumpkiney_36 (DE4), Sampson_35 (DE4), Scioto_35 (DE4), Tardus_36 (DE4), Verity_34 (DE4), ViaConlectus_35 (DE4), Zipp_34 (DE4), Zitch_36 (DE4),

Start 215:

- Found in 117 of 2504 (4.7%) of genes in pham
- Manual Annotations of this start: 57 of 2224
- Called 52.1% of time when present

- Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), Azula_21 (CV), Barco_19 (CV), Begonia_20 (CV), BlingBling_19 (CV), Blino_19 (CV), Blueberry_21 (CV), CaptainKirk2_19 (CV), CarolAnn_19 (CV), CheeseSpider_22 (CV), Chickadee_32 (DE3), Delian_19 (CV), Dexdert_33 (DE3), EdmundFerry_31 (DE3), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_16 (DA), Frokostdame_19 (CV), GTE6_32 (DE3), Gambino_21 (CV), Ghobes_16 (DA), GodonK_89 (DK), Guacamole_19 (CV), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Kwekel_32 (DE3), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Morrissey_19 (CD), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), Phendrix_87 (DK), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), RoadKill_30 (DE3), Samba_19 (CV), Sapo_16 (DA), Soilmate_19 (CV), Tiamoceli_33 (DE3), Toast_19 (CV), Twonlo_30 (DE3), UmaThurman_19 (CV), Utz_19 (CV), Walrus_20 (CV), William_19 (CV), Wisp_18 (CV), Wocket_20 (CV), Zarbodnamra_19 (CV), ZiggyZoo_18 (CV), Zilla_19 (CV),

Start 216:

- Found in 2 of 2504 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ2_20 (singleton), Whack_18 (singleton),

Start 218:

- Found in 5 of 2504 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Start 220:

- Found in 8 of 2504 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 223:

- Found in 68 of 2504 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 1.5% of time when present
- Phage (with cluster) where this start called: RGL3_16 (CA),

Start 226:

- Found in 51 of 2504 (2.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.0% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Start 233:

- Found in 619 of 2504 (24.7%) of genes in pham
- Manual Annotations of this start: 2 of 2224
- Called 0.3% of time when present
- Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 246:

- Found in 620 of 2504 (24.8%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Start 285:

- Found in 677 of 2504 (27.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.1% of time when present
- Phage (with cluster) where this start called: MegTheThird_28 (A9),

Start 407:

- Found in 39 of 2504 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 2224
- Called 2.6% of time when present
- Phage (with cluster) where this start called: BobbyDazzler_23 (CA),

Summary by clusters:

There are 124 clusters represented in this pham: Z, G5, G4, G3, G2, G1, CQ2, CQ1, A21, KA, X, DC2, DC1, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, EN, CY7, G, P2, P3, EO, P1, P6, P4, P5, O, EQ, EP, CR2, CR3, CR1, CR6, CR7, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, A22, DN4, DN1, DN3, DN2, F, CA, J, CD, CZ, CY5, UNK, CV, CT, A20, F1, F2, F3, F4, F7, F8, DN, DL, DK, DH, DI, DD, DB, DA, DZ, DY, DW, DT, DS, DP, A15, A14, A17, A16, A11, A10, A13, A12, I1, I3, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, CY3, CY2, CY1, AB, E, CY6, AG, CY4, AH, AJ, Q, Y, N,

Info for manual annotations of cluster A1:

- Start number 151 was manually annotated 220 times for cluster A1.
- Start number 167 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 149 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 149 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 149 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 149 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 128 was manually annotated 1 time for cluster A15.
- Start number 149 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 149 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 151 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 149 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 128 was manually annotated 5 times for cluster A2.
- Start number 149 was manually annotated 101 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 149 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 149 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 149 was manually annotated 115 times for cluster A3.
- Start number 195 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 149 was manually annotated 139 times for cluster A4.
- Start number 153 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 138 was manually annotated 1 time for cluster A5.
- Start number 149 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 128 was manually annotated 2 times for cluster A6.
- Start number 149 was manually annotated 46 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 149 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 149 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 146 was manually annotated 8 times for cluster A9.
- Start number 149 was manually annotated 26 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 92 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 93 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 116 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:

- Start number 115 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CA:

- Start number 163 was manually annotated 3 times for cluster CA.
- Start number 172 was manually annotated 32 times for cluster CA.
- Start number 407 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CD:

- Start number 208 was manually annotated 5 times for cluster CD.
- Start number 210 was manually annotated 1 time for cluster CD.
- Start number 215 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 150 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 150 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 170 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 170 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 170 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 170 was manually annotated 6 times for cluster CR4.
- Start number 178 was manually annotated 1 time for cluster CR4.
- Start number 200 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 170 was manually annotated 3 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 174 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 174 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 139 was manually annotated 9 times for cluster CT.
- Start number 149 was manually annotated 52 times for cluster CT.
- Start number 156 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CV:

- Start number 215 was manually annotated 43 times for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 117 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 100 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 117 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 117 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 117 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 117 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 117 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 178 was manually annotated 2 times for cluster CZ.
- Start number 179 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 178 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 179 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 178 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 178 was manually annotated 24 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 179 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 179 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 178 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 179 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 215 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 144 was manually annotated 6 times for cluster DB.
- Start number 146 was manually annotated 4 times for cluster DB.
- Start number 154 was manually annotated 7 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 102 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 102 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 145 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 102 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 214 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 215 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 214 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 213 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 117 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 168 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 215 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 149 was manually annotated 1 time for cluster DL.
- Start number 152 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 117 was manually annotated 5 times for cluster DN.
- Start number 149 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 149 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 149 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 149 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 117 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 141 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DS:

- Start number 175 was manually annotated 1 time for cluster DS.
- Start number 206 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 174 was manually annotated 2 times for cluster DT.
- Start number 181 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DW:

- Start number 168 was manually annotated 2 times for cluster DW.
- Start number 177 was manually annotated 2 times for cluster DW.
- Start number 211 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 208 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 157 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster E:

- Start number 134 was manually annotated 84 times for cluster E.
- Start number 196 was manually annotated 47 times for cluster E.
- Start number 246 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 171 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 151 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:

- Start number 123 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:

- Start number 170 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F1:

- Start number 129 was manually annotated 221 times for cluster F1.
- Start number 131 was manually annotated 1 time for cluster F1.
- Start number 233 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 153 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 129 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 117 was manually annotated 1 time for cluster F4.
- Start number 136 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster G1:

- Start number 111 was manually annotated 20 times for cluster G1.
- Start number 137 was manually annotated 45 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 137 was manually annotated 2 times for cluster G2.
- Start number 140 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 137 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 90 was manually annotated 1 time for cluster G4.
- Start number 91 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 137 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster I1:

- Start number 137 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 128 was manually annotated 29 times for cluster J.
- Start number 196 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 111 was manually annotated 2 times for cluster K1.
- Start number 116 was manually annotated 2 times for cluster K1.
- Start number 118 was manually annotated 105 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 116 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 118 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 111 was manually annotated 1 time for cluster K4.
- Start number 116 was manually annotated 4 times for cluster K4.
- Start number 118 was manually annotated 15 times for cluster K4.
- Start number 140 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 121 was manually annotated 18 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 89 was manually annotated 1 time for cluster K6.
- Start number 95 was manually annotated 1 time for cluster K6.
- Start number 111 was manually annotated 3 times for cluster K6.
- Start number 116 was manually annotated 1 time for cluster K6.
- Start number 118 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 118 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 118 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:

- Start number 157 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster N:

- Start number 134 was manually annotated 46 times for cluster N.

Info for manual annotations of cluster O:

- Start number 106 was manually annotated 2 times for cluster O.
- Start number 113 was manually annotated 28 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 107 was manually annotated 2 times for cluster P1.
- Start number 122 was manually annotated 41 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 122 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 122 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 122 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 122 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 122 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 97 was manually annotated 1 time for cluster Q.
- Start number 116 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster UNK:

- Start number 110 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:

- Start number 105 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 84 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 116 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 149

Candidate Starts for 20ES_28:

(Start: 128 @20202 has 37 MA's), (Start: 149 @20226 has 636 MA's), (231, 20325), (284, 20460), (285, 20463), (314, 20535), (315, 20538), (336, 20592), (339, 20598), (353, 20631), (389, 20709), (428, 20796), (472, 20877), (476, 20880), (594, 21153), (648, 21258), (653, 21273), (692, 21399), (697, 21405), (718, 21453), (747, 21516), (753, 21531), (755, 21537), (774, 21591), (785, 21630), (788, 21645), (813, 21729),

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 134

Candidate Starts for 244_26:

(Start: 134 @20026 has 130 MA's), (Start: 196 @20110 has 48 MA's), (Start: 246 @20188 has 1 MA's), (280, 20275), (286, 20290), (305, 20338), (320, 20377), (361, 20464), (377, 20497), (394, 20533), (402, 20563), (405, 20569), (458, 20638), (477, 20668), (481, 20680), (482, 20683), (512, 20740), (575, 20872), (578, 20878), (602, 20944), (604, 20950), (612, 20974), (628, 21022), (642, 21046), (647, 21055), (672, 21130), (721, 21181), (726, 21196), (786, 21358), (792, 21385), (801, 21415), (843, 21520), (879, 21598), (886, 21634), (889, 21643), (899, 21676), (906, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 116

Candidate Starts for 32HC_26:

(Start: 116 @18979 has 42 MA's), (189, 19051), (Start: 233 @19114 has 2 MA's), (258, 19171), (316, 19351), (341, 19414), (363, 19465), (373, 19486), (395, 19531), (459, 19648), (460, 19651), (496, 19735), (499, 19738), (506, 19753), (512, 19771), (557, 19831), (668, 20098), (687, 20161), (721, 20209), (804, 20434), (809, 20452), (847, 20536), (879, 20605), (900, 20689), (901, 20692), (910, 20710),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 149

Candidate Starts for 40AC_31:

(Start: 128 @22395 has 37 MA's), (Start: 149 @22419 has 636 MA's), (231, 22518), (245, 22554), (284, 22653), (285, 22656), (314, 22728), (315, 22731), (336, 22785), (361, 22842), (389, 22902), (397, 22920), (428, 22989), (470, 23064), (472, 23070), (476, 23073), (554, 23262), (594, 23346), (595, 23349), (609, 23385), (648, 23451), (653, 23466), (691, 23589), (697, 23598), (700, 23613), (718, 23646), (731, 23676), (747, 23709), (753, 23724), (758, 23739), (774, 23784), (785, 23823), (788, 23838), (813, 23922), (842, 23988), (859, 24027), (861, 24033), (876, 24087), (887, 24129),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 92

Candidate Starts for 8UZL_21:

(83, 15969), (Start: 92 @16005 has 4 MA's), (143, 16083), (186, 16143), (Start: 233 @16209 has 2 MA's), (254, 16260), (262, 16275), (263, 16278), (381, 16584), (402, 16641), (420, 16689), (421, 16692), (444, 16755), (459, 16776), (467, 16794), (482, 16839), (486, 16848), (496, 16863), (509, 16887), (578, 16998), (593, 17037), (600, 17058), (612, 17094), (613, 17097), (635, 17139), (644, 17154), (647, 17160), (777, 17469), (779, 17478), (781, 17484), (785, 17496), (792, 17526), (797, 17544), (799, 17550), (847, 17670), (873, 17727), (897, 17814), (900, 17823),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 151

Candidate Starts for A6_25:

(Start: 151 @20661 has 225 MA's), (Start: 167 @20682 has 5 MA's), (Start: 195 @20724 has 1 MA's), (228, 20769), (315, 20985), (333, 21030), (336, 21039), (353, 21078), (377, 21129), (378, 21132), (476, 21327), (510, 21396), (589, 21585), (593, 21597), (594, 21600), (601, 21621), (652, 21717), (653, 21720), (655, 21726), (679, 21795), (684, 21813), (686, 21822), (697, 21852), (731, 21948), (747, 21981), (753, 21996), (795, 22137), (813, 22194), (861, 22305),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 134

Candidate Starts for ABCat_23:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 149

Candidate Starts for ACFishhook_29:

(Start: 149 @20541 has 636 MA's), (Start: 195 @20598 has 1 MA's), (205, 20613), (238, 20667), (245, 20682), (280, 20769), (284, 20781), (285, 20784), (315, 20859), (319, 20874), (428, 21117), (510, 21270), (542, 21357), (593, 21471), (601, 21495), (606, 21507), (609, 21513), (653, 21594), (679, 21669), (684, 21687), (686, 21696), (692, 21720), (697, 21726), (706, 21765), (730, 21819), (731, 21822), (744, 21843), (813, 22068), (859, 22173), (861, 22179), (899, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 151

Candidate Starts for AFIS_27:

(Start: 151 @21204 has 225 MA's), (Start: 167 @21225 has 5 MA's), (Start: 195 @21267 has 1 MA's), (228, 21312), (315, 21528), (333, 21573), (336, 21582), (353, 21621), (377, 21672), (378, 21675), (476, 21870), (510, 21939), (593, 22140), (594, 22143), (601, 22164), (652, 22260), (653, 22263), (655, 22269), (679, 22338), (684, 22356), (686, 22365), (697, 22395), (731, 22491), (747, 22524), (753, 22539), (795, 22680), (813, 22737), (861, 22848), (907, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 149

Candidate Starts for AN3_28:

(98, 20138), (Start: 128 @20180 has 37 MA's), (Start: 149 @20204 has 636 MA's), (284, 20438), (285, 20441), (314, 20513), (315, 20516), (319, 20531), (336, 20570), (339, 20576), (389, 20687), (397, 20705), (401, 20720), (428, 20774), (472, 20855), (476, 20858), (542, 21014), (553, 21044), (596, 21137), (653, 21251), (692, 21377), (747, 21512), (753, 21527), (761, 21551), (785, 21626), (786, 21629), (788, 21641), (813, 21725), (849, 21803), (859, 21830), (861, 21836), (872, 21881), (876, 21890), (899, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 149

Candidate Starts for AN9_31:

(98, 20126), (Start: 128 @20168 has 37 MA's), (Start: 149 @20192 has 636 MA's), (284, 20426), (285, 20429), (314, 20501), (315, 20504), (319, 20519), (336, 20558), (339, 20564), (389, 20675), (397, 20693), (401, 20708), (428, 20762), (472, 20843), (476, 20846), (542, 21002), (553, 21032), (596, 21125), (653, 21239), (692, 21365), (747, 21500), (753, 21515), (761, 21539), (785, 21614), (786, 21617), (788, 21629), (813, 21713), (849, 21791), (859, 21818), (861, 21824), (872, 21869), (876, 21878), (899, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 149

Candidate Starts for ANI8_31:

(98, 20126), (Start: 128 @20168 has 37 MA's), (Start: 149 @20192 has 636 MA's), (284, 20426), (285, 20429), (314, 20501), (315, 20504), (319, 20519), (336, 20558), (339, 20564), (389, 20675), (397,

20693), (401, 20708), (428, 20762), (472, 20843), (476, 20846), (542, 21002), (553, 21032), (596, 21125), (653, 21239), (692, 21365), (747, 21500), (753, 21515), (761, 21539), (785, 21614), (786, 21617), (788, 21629), (813, 21713), (849, 21791), (859, 21818), (861, 21824), (872, 21869), (876, 21878), (899, 21959),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 214

Candidate Starts for APunk_36:

(Start: 175 @30154 has 1 MA's), (Start: 214 @30211 has 22 MA's), (232, 30232), (237, 30244), (261, 30295), (274, 30334), (281, 30358), (310, 30430), (346, 30517), (370, 30568), (385, 30598), (414, 30679), (428, 30706), (483, 30805), (502, 30835), (508, 30844), (517, 30877), (518, 30880), (545, 30940), (574, 30988), (578, 30997), (614, 31096), (633, 31135), (640, 31147), (718, 31291), (726, 31315), (740, 31342), (762, 31402), (763, 31405), (773, 31432), (777, 31447), (790, 31504), (793, 31516), (808, 31564), (811, 31573), (813, 31579), (824, 31600), (835, 31633), (862, 31678), (879, 31729), (899, 31807), (901, 31816),

Gene: Abblin_35 Start: 30754, Stop: 32376, Start Num: 214

Candidate Starts for Abblin_35:

(Start: 214 @30754 has 22 MA's), (232, 30775), (237, 30787), (261, 30838), (281, 30901), (310, 30973), (346, 31060), (370, 31111), (385, 31141), (414, 31222), (428, 31249), (483, 31348), (502, 31378), (508, 31387), (517, 31420), (518, 31423), (519, 31426), (522, 31435), (545, 31483), (574, 31531), (578, 31540), (614, 31639), (633, 31678), (640, 31690), (679, 31807), (722, 31846), (740, 31885), (761, 31942), (775, 31981), (777, 31990), (790, 32047), (793, 32059), (811, 32116), (813, 32122), (824, 32143), (835, 32176), (862, 32221), (899, 32350), (901, 32359),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 149

Candidate Starts for AbbyPaige_30:

(Start: 128 @20673 has 37 MA's), (Start: 149 @20697 has 636 MA's), (231, 20796), (265, 20880), (284, 20931), (285, 20934), (314, 21006), (315, 21009), (336, 21063), (353, 21102), (389, 21180), (428, 21267), (472, 21348), (476, 21351), (553, 21537), (594, 21624), (648, 21729), (653, 21744), (692, 21870), (697, 21876), (718, 21924), (753, 22002), (755, 22008), (774, 22062), (785, 22101), (788, 22116), (813, 22200), (861, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 149

Candidate Starts for AbbysRanger_27:

(Start: 128 @19816 has 37 MA's), (Start: 149 @19840 has 636 MA's), (Start: 195 @19900 has 1 MA's), (238, 19969), (273, 20047), (280, 20071), (284, 20083), (285, 20086), (302, 20122), (315, 20161), (319, 20176), (336, 20215), (378, 20308), (389, 20332), (428, 20419), (487, 20533), (510, 20572), (542, 20659), (560, 20704), (593, 20773), (601, 20797), (606, 20809), (653, 20896), (679, 20971), (684, 20989), (686, 20998), (692, 21022), (697, 21028), (700, 21043), (712, 21076), (730, 21121), (731, 21124), (744, 21145), (813, 21370), (849, 21448), (859, 21475), (861, 21481), (899, 21616),

Gene: Abbysshoes_28 Start: 21319, Stop: 23121, Start Num: 151

Candidate Starts for Abbysshoes_28:

(Start: 151 @21319 has 225 MA's), (Start: 167 @21340 has 5 MA's), (Start: 195 @21382 has 1 MA's), (228, 21427), (315, 21643), (333, 21688), (336, 21697), (353, 21736), (377, 21787), (378, 21790), (476, 21985), (510, 22054), (593, 22255), (594, 22258), (601, 22279), (652, 22375), (653, 22378), (655, 22384), (679, 22453), (684, 22471), (686, 22480), (697, 22510), (731, 22606), (747, 22639), (753, 22654), (795, 22795), (813, 22852), (861, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Abdiel_26:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 151

Candidate Starts for Abrogate_280:

(Start: 151 @21879 has 225 MA's), (Start: 167 @21900 has 5 MA's), (Start: 195 @21942 has 1 MA's), (228, 21987), (315, 22203), (333, 22248), (336, 22257), (353, 22296), (377, 22347), (378, 22350), (476, 22545), (510, 22614), (593, 22815), (594, 22818), (601, 22839), (652, 22935), (653, 22938), (655, 22944), (679, 23013), (684, 23031), (686, 23040), (697, 23070), (731, 23166), (747, 23199), (753, 23214), (795, 23355), (813, 23412), (861, 23523),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 150

Candidate Starts for Abscondus_47:

(Start: 150 @29340 has 17 MA's), (192, 29400), (Start: 214 @29433 has 22 MA's), (Start: 233 @29463 has 2 MA's), (234, 29466), (294, 29625), (299, 29634), (353, 29763), (375, 29811), (512, 30024), (514, 30030), (521, 30054), (587, 30183), (593, 30204), (604, 30237), (672, 30435), (763, 30588), (792, 30687), (795, 30699), (798, 30708), (829, 30792), (887, 30939), (897, 30975),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 149

Candidate Starts for Achebe_26:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 153 @19829 has 10 MA's), (Start: 195 @19883 has 1 MA's), (238, 19952), (273, 20030), (280, 20054), (285, 20069), (302, 20105), (315, 20144), (319, 20159), (336, 20198), (378, 20291), (389, 20315), (428, 20402), (487, 20516), (510, 20555), (542, 20642), (560, 20687), (593, 20756), (601, 20780), (606, 20792), (653, 20879), (679, 20954), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (700, 21026), (712, 21059), (730, 21104), (731, 21107), (744, 21128), (813, 21353), (849, 21431), (859, 21458), (861, 21464), (899, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 151

Candidate Starts for Acme_29:

(Start: 151 @21420 has 225 MA's), (Start: 167 @21441 has 5 MA's), (Start: 195 @21483 has 1 MA's), (228, 21528), (315, 21744), (333, 21789), (336, 21798), (353, 21837), (377, 21888), (378, 21891), (476, 22086), (510, 22155), (593, 22356), (594, 22359), (601, 22380), (652, 22476), (653, 22479), (655, 22485), (679, 22554), (684, 22572), (686, 22581), (697, 22611), (731, 22707), (747, 22740), (753, 22755), (795, 22896), (813, 22953), (861, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 149

Candidate Starts for Acolyte_28:

(98, 20675), (Start: 128 @20717 has 37 MA's), (Start: 149 @20741 has 636 MA's), (231, 20840), (245, 20876), (255, 20894), (273, 20939), (280, 20963), (284, 20975), (285, 20978), (314, 21050), (315, 21053), (336, 21107), (339, 21113), (389, 21224), (397, 21242), (428, 21311), (465, 21371), (476, 21395), (506, 21455), (510, 21464), (542, 21551), (553, 21581), (606, 21701), (609, 21707), (653, 21788), (692, 21914), (706, 21959), (731, 22016), (747, 22049), (753, 22064), (761, 22088), (774, 22124), (785, 22163), (788, 22178), (813, 22262), (859, 22367), (861, 22373), (876, 22427), (899, 22508),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 118

Candidate Starts for ActinUp_23:

(Start: 118 @17157 has 152 MA's), (143, 17187), (Start: 246 @17346 has 1 MA's), (262, 17379), (273, 17409), (283, 17442), (288, 17454), (317, 17544), (335, 17586), (365, 17658), (369, 17667), (389, 17706), (405, 17751), (412, 17772), (413, 17775), (445, 17829), (459, 17847), (475, 17889), (477, 17895), (487, 17922), (574, 18060), (582, 18078), (597, 18120), (603, 18138), (614, 18168), (628, 18195), (669, 18300), (749, 18459), (762, 18495), (773, 18525), (776, 18534), (795, 18609), (811, 18660), (862, 18759), (889, 18855), (900, 18894), (901, 18897), (910, 18915),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 151

Candidate Starts for Adahisdi_28:

(Start: 151 @21327 has 225 MA's), (Start: 167 @21348 has 5 MA's), (Start: 195 @21390 has 1 MA's), (228, 21435), (315, 21651), (333, 21696), (336, 21705), (353, 21744), (377, 21795), (378, 21798), (476, 21993), (510, 22062), (593, 22263), (594, 22266), (601, 22287), (652, 22383), (653, 22386), (655, 22392), (679, 22461), (684, 22479), (686, 22488), (697, 22518), (731, 22614), (747, 22647), (753, 22662), (795, 22803), (813, 22860), (861, 22971),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 123

Candidate Starts for Adelaide_17:

(Start: 123 @16318 has 8 MA's), (142, 16339), (204, 16423), (223, 16450), (228, 16456), (282, 16588), (304, 16639), (315, 16672), (324, 16696), (377, 16816), (393, 16849), (398, 16867), (424, 16921), (455, 16966), (480, 17023), (484, 17035), (508, 17074), (550, 17134), (555, 17155), (560, 17164), (589, 17221), (628, 17311), (675, 17419), (690, 17473), (692, 17479), (699, 17497), (756, 17593), (770, 17614), (788, 17659), (845, 17818), (854, 17833), (860, 17848), (862, 17860), (906, 18004),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 118

Candidate Starts for Adephagia_23:

(Start: 118 @17154 has 152 MA's), (143, 17184), (Start: 246 @17343 has 1 MA's), (262, 17376), (273, 17406), (283, 17439), (288, 17451), (317, 17541), (335, 17583), (365, 17655), (369, 17664), (389, 17703), (405, 17748), (412, 17769), (413, 17772), (445, 17826), (459, 17844), (475, 17886), (477, 17892), (487, 17919), (574, 18057), (582, 18075), (597, 18117), (603, 18135), (614, 18165), (628, 18192), (669, 18297), (749, 18456), (762, 18492), (773, 18522), (776, 18531), (795, 18606), (811, 18657), (862, 18756), (889, 18852), (900, 18891), (901, 18894), (910, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 134

Candidate Starts for Adnama_27:

(Start: 134 @20253 has 130 MA's), (Start: 196 @20337 has 48 MA's), (Start: 246 @20415 has 1 MA's), (280, 20502), (286, 20517), (305, 20565), (320, 20604), (361, 20691), (377, 20724), (394, 20760), (402, 20790), (405, 20796), (458, 20865), (477, 20895), (481, 20907), (482, 20910), (512, 20967), (575, 21099), (578, 21105), (602, 21171), (604, 21177), (612, 21201), (628, 21249), (642, 21273), (647, 21282), (672, 21357), (721, 21408), (726, 21423), (786, 21585), (792, 21612), (801, 21642), (843, 21747), (879, 21825), (886, 21861), (889, 21870), (899, 21903), (906, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 118

Candidate Starts for Adonis_23:

(Start: 118 @17160 has 152 MA's), (143, 17190), (Start: 246 @17349 has 1 MA's), (262, 17382), (273, 17412), (283, 17445), (288, 17457), (317, 17547), (335, 17589), (365, 17661), (369, 17670), (389, 17709), (405, 17754), (412, 17775), (413, 17778), (445, 17832), (459, 17850), (475, 17892), (477, 17898), (487, 17925), (574, 18063), (582, 18081), (597, 18123), (603, 18141), (614, 18171), (628, 18198), (669, 18303), (749, 18462), (762, 18498), (776, 18537), (795, 18612), (811, 18663), (889, 18858), (900, 18897), (901, 18900), (910, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 178

Candidate Starts for Adora_20:

(96, 17738), (Start: 178 @17855 has 57 MA's), (308, 18113), (316, 18134), (338, 18188), (356, 18227), (378, 18284), (388, 18305), (510, 18476), (515, 18494), (522, 18518), (528, 18539), (568, 18581), (602, 18662), (653, 18752), (669, 18803), (685, 18854), (686, 18857), (730, 18911), (766, 19001), (862, 19280), (864, 19289), (873, 19319),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 149

Candidate Starts for Adzzy_29:

(98, 18853), (Start: 128 @18895 has 37 MA's), (Start: 149 @18919 has 636 MA's), (190, 18964), (202, 18979), (255, 19072), (284, 19153), (285, 19156), (314, 19228), (315, 19231), (319, 19246), (336, 19285), (339, 19291), (389, 19402), (393, 19408), (401, 19435), (428, 19489), (472, 19570), (542, 19729), (553, 19759), (596, 19852), (609, 19885), (639, 19936), (653, 19966), (692, 20092), (721, 20173), (726, 20182), (747, 20227), (753, 20242), (761, 20266), (785, 20341), (786, 20344), (788, 20356), (813, 20440), (859, 20545), (876, 20605), (899, 20686),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 151

Candidate Starts for Aeneas_29:

(Start: 151 @21456 has 225 MA's), (Start: 167 @21477 has 5 MA's), (Start: 195 @21519 has 1 MA's), (228, 21564), (315, 21780), (333, 21825), (336, 21834), (353, 21873), (377, 21924), (378, 21927), (476, 22122), (510, 22191), (593, 22392), (594, 22395), (601, 22416), (652, 22512), (653, 22515), (655, 22521), (679, 22590), (684, 22608), (686, 22617), (697, 22647), (731, 22743), (747, 22776), (753, 22791), (795, 22932), (813, 22989), (861, 23100),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 102

Candidate Starts for Affeca_33:

(94, 30634), (Start: 102 @30652 has 86 MA's), (Start: 126 @30688 has 1 MA's), (231, 30826), (272, 30922), (275, 30931), (297, 31000), (315, 31051), (333, 31096), (339, 31111), (377, 31192), (397, 31237), (399, 31246), (453, 31336), (467, 31366), (472, 31381), (480, 31405), (496, 31435), (558, 31540), (609, 31657), (616, 31675), (620, 31690), (648, 31720), (652, 31732), (653, 31735), (660, 31762), (795, 32086), (796, 32089), (811, 32137), (824, 32164), (833, 32191), (859, 32245), (865, 32272), (907, 32410),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 167

Candidate Starts for Agaliana_28:

(Start: 151 @21400 has 225 MA's), (Start: 167 @21421 has 5 MA's), (Start: 195 @21463 has 1 MA's), (228, 21508), (315, 21724), (333, 21769), (336, 21778), (377, 21868), (378, 21871), (389, 21895), (476, 22066), (510, 22135), (593, 22336), (594, 22339), (601, 22360), (652, 22456), (653, 22459), (655, 22465), (679, 22534), (684, 22552), (686, 22561), (697, 22591), (731, 22687), (747, 22720), (753, 22735), (795, 22876), (813, 22933), (861, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 149

Candidate Starts for Agape74_30:

(Start: 128 @20649 has 37 MA's), (Start: 149 @20673 has 636 MA's), (231, 20772), (265, 20856), (284, 20907), (285, 20910), (314, 20982), (315, 20985), (336, 21039), (353, 21078), (389, 21156), (428, 21243), (472, 21324), (476, 21327), (594, 21600), (648, 21705), (653, 21720), (692, 21846), (697, 21852), (718, 21900), (753, 21978), (755, 21984), (774, 22038), (785, 22077), (788, 22092), (813, 22176), (861, 22287),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 149

Candidate Starts for Agatha_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755,

17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 121

Candidate Starts for Agent47_21:

(Start: 121 @17591 has 18 MA's), (124, 17597), (Start: 145 @17621 has 2 MA's), (Start: 171 @17654 has 8 MA's), (205, 17702), (238, 17756), (262, 17807), (283, 17870), (319, 17978), (365, 18086), (412, 18200), (413, 18203), (428, 18242), (445, 18257), (455, 18269), (459, 18275), (473, 18311), (475, 18317), (477, 18323), (496, 18362), (509, 18386), (574, 18488), (598, 18551), (669, 18731), (718, 18830), (753, 18908), (761, 18932), (763, 18938), (775, 18971), (795, 19049), (797, 19055), (864, 19208), (894, 19313), (895, 19316), (900, 19334),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 149

Candidate Starts for AgentM_24:

(Start: 149 @19734 has 636 MA's), (Start: 233 @19839 has 2 MA's), (Start: 246 @19872 has 1 MA's), (285, 19971), (315, 20046), (319, 20061), (335, 20097), (366, 20169), (373, 20184), (389, 20217), (393, 20223), (506, 20448), (509, 20454), (542, 20544), (590, 20649), (593, 20658), (609, 20700), (615, 20718), (652, 20778), (653, 20781), (679, 20856), (684, 20874), (730, 21015), (747, 21051), (813, 21264), (858, 21366), (861, 21375), (892, 21489), (899, 21510), (901, 21519),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 118

Candidate Starts for Ageofdapage_23:

(Start: 118 @17088 has 152 MA's), (143, 17118), (Start: 246 @17277 has 1 MA's), (262, 17310), (273, 17340), (283, 17373), (288, 17385), (317, 17475), (333, 17511), (335, 17517), (365, 17589), (369, 17598), (389, 17637), (405, 17682), (412, 17703), (413, 17706), (459, 17778), (473, 17814), (475, 17820), (477, 17826), (487, 17853), (509, 17889), (574, 17991), (582, 18009), (603, 18069), (614, 18099), (628, 18126), (669, 18231), (715, 18321), (749, 18390), (762, 18426), (773, 18456), (776, 18465), (795, 18540), (811, 18591), (862, 18690), (879, 18741), (889, 18786), (900, 18825), (901, 18828), (910, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Aggie_18:

(Start: 134 @14990 has 130 MA's), (155, 15017), (Start: 233 @15122 has 2 MA's), (237, 15134), (254, 15170), (274, 15221), (283, 15251), (286, 15257), (297, 15284), (301, 15290), (350, 15410), (376, 15464), (379, 15470), (388, 15488), (394, 15500), (395, 15503), (401, 15524), (415, 15566), (453, 15599), (475, 15650), (480, 15665), (504, 15707), (511, 15722), (512, 15728), (526, 15776), (539, 15800), (554, 15830), (574, 15854), (597, 15914), (601, 15926), (618, 15980), (624, 15989), (651, 16049), (652, 16052), (718, 16157), (721, 16166), (738, 16205), (785, 16343), (834, 16493), (835, 16496), (841, 16505), (859, 16526), (865, 16553), (879, 16589), (906, 16682),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for Aglet_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 149

Candidate Starts for AgronaGT15_29:

(Start: 149 @20287 has 636 MA's), (Start: 195 @20344 has 1 MA's), (205, 20359), (231, 20392), (238, 20413), (245, 20428), (280, 20515), (284, 20527), (285, 20530), (315, 20605), (319, 20620), (335,

20656), (428, 20863), (487, 20977), (510, 21016), (542, 21103), (593, 21217), (601, 21241), (609, 21259), (653, 21340), (679, 21415), (684, 21433), (692, 21466), (697, 21472), (706, 21511), (730, 21565), (731, 21568), (744, 21589), (763, 21646), (813, 21814), (859, 21919), (861, 21925), (899, 22060),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 178

Candidate Starts for Agueybana_19:

(Start: 178 @17777 has 57 MA's), (304, 18026), (308, 18035), (315, 18053), (316, 18056), (338, 18110), (372, 18185), (398, 18254), (401, 18263), (405, 18275), (423, 18326), (437, 18353), (444, 18362), (445, 18365), (510, 18398), (526, 18455), (568, 18521), (617, 18632), (637, 18656), (653, 18692), (685, 18794), (730, 18851), (766, 18941), (801, 19058), (849, 19181), (873, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 149

Candidate Starts for AikoCarson_17:

(Start: 139 @15034 has 9 MA's), (Start: 149 @15037 has 636 MA's), (226, 15136), (Start: 233 @15148 has 2 MA's), (274, 15244), (302, 15328), (335, 15418), (361, 15478), (398, 15562), (416, 15607), (441, 15640), (449, 15652), (461, 15676), (487, 15745), (496, 15757), (584, 15922), (611, 15994), (653, 16072), (657, 16087), (664, 16105), (684, 16162), (753, 16303), (755, 16309), (760, 16321), (769, 16330), (794, 16402), (795, 16405), (797, 16411), (801, 16423), (842, 16528), (847, 16537), (861, 16570), (906, 16723),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 102

Candidate Starts for Ailee_33:

(94, 31124), (Start: 102 @31142 has 86 MA's), (Start: 126 @31178 has 1 MA's), (231, 31316), (272, 31412), (275, 31421), (297, 31490), (315, 31541), (333, 31586), (339, 31601), (377, 31682), (397, 31727), (399, 31736), (453, 31826), (467, 31856), (472, 31871), (480, 31895), (496, 31925), (558, 32030), (609, 32147), (616, 32165), (620, 32180), (648, 32210), (652, 32222), (653, 32225), (660, 32252), (795, 32576), (796, 32579), (811, 32627), (824, 32654), (833, 32681), (859, 32735), (865, 32762), (901, 32891),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 149

Candidate Starts for Airmid_24:

(Start: 149 @18975 has 636 MA's), (285, 19212), (315, 19287), (319, 19302), (335, 19338), (366, 19410), (373, 19425), (389, 19458), (391, 19461), (393, 19464), (487, 19659), (506, 19689), (509, 19695), (542, 19785), (560, 19830), (593, 19899), (609, 19941), (615, 19959), (652, 20019), (653, 20022), (684, 20115), (730, 20256), (747, 20292), (858, 20607), (861, 20616), (899, 20751),

Gene: AizenPogi_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for AizenPogi_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 151

Candidate Starts for Ajay_28:

(Start: 151 @21632 has 225 MA's), (Start: 167 @21653 has 5 MA's), (Start: 195 @21695 has 1 MA's), (228, 21740), (315, 21956), (333, 22001), (336, 22010), (377, 22100), (378, 22103), (476, 22298), (510, 22367), (589, 22556), (593, 22568), (594, 22571), (601, 22592), (652, 22688), (653, 22691), (655, 22697), (679, 22766), (684, 22784), (686, 22793), (697, 22823), (731, 22919), (747, 22952), (753, 22967), (795, 23108), (813, 23165), (861, 23276),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 129

Candidate Starts for Akhila_17:

(Start: 129 @15476 has 222 MA's), (199, 15563), (Start: 233 @15608 has 2 MA's), (242, 15632), (283, 15737), (286, 15743), (292, 15761), (305, 15791), (350, 15896), (379, 15956), (389, 15977), (394, 15986), (401, 16010), (475, 16136), (480, 16151), (482, 16157), (504, 16193), (506, 16196), (511, 16208), (512, 16214), (526, 16262), (531, 16274), (535, 16280), (574, 16340), (579, 16352), (593, 16388), (597, 16400), (624, 16475), (628, 16484), (638, 16502), (642, 16508), (652, 16538), (718, 16643), (721, 16652), (722, 16655), (730, 16676), (738, 16691), (763, 16757), (766, 16769), (794, 16868), (801, 16889), (811, 16922), (826, 16952), (835, 16982), (841, 16991), (844, 16997), (859, 17012), (860, 17015), (865, 17039), (876, 17069), (881, 17081), (886, 17111), (899, 17153),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Alatin_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Albee_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 149

Candidate Starts for Alberto7_28:

(Start: 128 @20105 has 37 MA's), (Start: 149 @20129 has 636 MA's), (Start: 195 @20186 has 1 MA's), (Start: 233 @20240 has 2 MA's), (238, 20255), (Start: 246 @20273 has 1 MA's), (280, 20357), (284, 20369), (285, 20372), (315, 20447), (319, 20462), (336, 20501), (389, 20618), (428, 20705), (472, 20786), (499, 20834), (510, 20858), (542, 20945), (560, 20990), (594, 21062), (601, 21083), (609, 21101), (653, 21182), (684, 21275), (686, 21284), (692, 21308), (697, 21314), (702, 21338), (731, 21392), (744, 21413), (761, 21464), (770, 21488), (786, 21542), (813, 21638), (859, 21743), (862, 21758), (893, 21866), (899, 21884),

Gene: Aldrich_29 Start: 22423, Stop: 24225, Start Num: 151

Candidate Starts for Aldrich_29:

(Start: 151 @22423 has 225 MA's), (Start: 167 @22444 has 5 MA's), (Start: 195 @22486 has 1 MA's), (228, 22531), (315, 22747), (333, 22792), (336, 22801), (353, 22840), (377, 22891), (378, 22894), (476, 23089), (510, 23158), (593, 23359), (594, 23362), (601, 23383), (652, 23479), (653, 23482), (655, 23488), (679, 23557), (684, 23575), (686, 23584), (697, 23614), (731, 23710), (747, 23743), (753, 23758), (763, 23788), (795, 23899), (813, 23956), (861, 24067), (907, 24220),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 157

Candidate Starts for Aleemily_19:

(Start: 146 @16536 has 12 MA's), (Start: 157 @16551 has 6 MA's), (162, 16557), (Start: 181 @16587 has 3 MA's), (188, 16596), (304, 16830), (315, 16863), (334, 16911), (366, 16986), (388, 17031), (428, 17121), (441, 17136), (469, 17190), (472, 17199), (487, 17232), (508, 17265), (510, 17271), (628,

17505), (639, 17517), (652, 17544), (660, 17577), (675, 17616), (679, 17625), (700, 17697), (720, 17712), (731, 17736), (753, 17784), (791, 17871), (797, 17892), (820, 17958), (849, 18024), (864, 18072), (890, 18162),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 129

Candidate Starts for Alexphander_18:

(Start: 129 @15332 has 222 MA's), (199, 15419), (Start: 233 @15464 has 2 MA's), (242, 15488), (265, 15545), (283, 15593), (286, 15599), (292, 15617), (305, 15647), (350, 15752), (376, 15806), (379, 15812), (383, 15821), (394, 15842), (401, 15866), (413, 15902), (415, 15908), (453, 15941), (455, 15944), (460, 15953), (467, 15968), (469, 15974), (475, 15992), (480, 16007), (482, 16013), (490, 16031), (493, 16034), (504, 16049), (511, 16064), (512, 16070), (526, 16118), (531, 16130), (535, 16136), (574, 16196), (579, 16208), (593, 16244), (597, 16256), (624, 16331), (628, 16340), (638, 16358), (642, 16364), (652, 16394), (718, 16499), (722, 16511), (738, 16547), (766, 16625), (794, 16724), (801, 16745), (811, 16778), (826, 16808), (835, 16838), (841, 16847), (844, 16853), (859, 16868), (860, 16871), (865, 16895), (876, 16925), (881, 16937), (886, 16967), (899, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 214

Candidate Starts for Ali17_31:

(Start: 214 @28415 has 22 MA's), (222, 28427), (240, 28460), (244, 28469), (250, 28481), (263, 28511), (305, 28628), (310, 28640), (344, 28715), (370, 28775), (385, 28805), (483, 29012), (502, 29042), (517, 29084), (518, 29087), (522, 29099), (545, 29147), (574, 29195), (601, 29267), (613, 29300), (614, 29303), (633, 29342), (649, 29381), (678, 29468), (679, 29471), (740, 29549), (777, 29654), (797, 29735), (815, 29789), (862, 29885), (899, 30014), (906, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 118

Candidate Starts for AlishaPH_23:

(Start: 118 @17147 has 152 MA's), (143, 17177), (Start: 246 @17336 has 1 MA's), (262, 17369), (273, 17399), (283, 17432), (288, 17444), (317, 17534), (335, 17576), (365, 17648), (369, 17657), (389, 17696), (405, 17741), (412, 17762), (413, 17765), (445, 17819), (459, 17837), (475, 17879), (477, 17885), (487, 17912), (574, 18050), (582, 18068), (597, 18110), (603, 18128), (614, 18158), (628, 18185), (669, 18290), (749, 18449), (762, 18485), (773, 18515), (776, 18524), (795, 18599), (811, 18650), (889, 18845), (900, 18884), (901, 18887), (910, 18905),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 146

Candidate Starts for Aliter_30:

(Start: 146 @21674 has 12 MA's), (Start: 149 @21677 has 636 MA's), (284, 21911), (285, 21914), (314, 21986), (315, 21989), (319, 22004), (336, 22043), (339, 22049), (389, 22160), (428, 22247), (472, 22328), (476, 22331), (553, 22517), (587, 22580), (594, 22604), (596, 22610), (609, 22643), (653, 22724), (692, 22850), (705, 22892), (706, 22895), (731, 22952), (747, 22985), (753, 23000), (785, 23099), (786, 23102), (788, 23114), (813, 23198), (842, 23264), (859, 23303), (861, 23309), (872, 23354), (889, 23411), (890, 23414),

Gene: Alkhayr_56 Start: 33189, Stop: 34925, Start Num: 113

Candidate Starts for Alkhayr_56:

(Start: 106 @33180 has 2 MA's), (Start: 113 @33189 has 28 MA's), (Start: 179 @33279 has 33 MA's), (253, 33396), (265, 33432), (275, 33453), (283, 33480), (286, 33486), (299, 33516), (308, 33540), (330, 33591), (394, 33729), (396, 33735), (412, 33786), (413, 33789), (427, 33807), (475, 33858), (482, 33879), (483, 33882), (511, 33930), (512, 33936), (526, 33984), (528, 33990), (531, 33996), (563, 34056), (574, 34080), (575, 34083), (593, 34128), (598, 34143), (601, 34152), (604, 34161), (618, 34206), (628, 34224), (647, 34257), (722, 34395), (730, 34416), (758, 34482), (768, 34512), (784, 34566), (794, 34608), (801, 34629), (807, 34650), (811, 34662), (821, 34683), (844, 34737), (879, 34815), (886, 34851), (892, 34872), (900, 34899),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 146

Candidate Starts for Alma_30:

(Start: 146 @21753 has 12 MA's), (Start: 149 @21756 has 636 MA's), (284, 21990), (285, 21993), (314, 22065), (315, 22068), (319, 22083), (336, 22122), (339, 22128), (389, 22239), (428, 22326), (472, 22407), (476, 22410), (506, 22470), (553, 22596), (587, 22659), (594, 22683), (596, 22689), (609, 22722), (653, 22803), (692, 22929), (705, 22971), (706, 22974), (731, 23031), (747, 23064), (753, 23079), (785, 23178), (786, 23181), (788, 23193), (813, 23277), (842, 23343), (859, 23382), (861, 23388), (872, 23433), (889, 23490), (890, 23493),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Aloeri_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (297, 14971), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (389, 15178), (394, 15187), (401, 15211), (413, 15247), (415, 15253), (427, 15265), (453, 15286), (455, 15289), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (583, 15562), (593, 15589), (597, 15601), (624, 15676), (628, 15685), (638, 15703), (642, 15709), (652, 15739), (718, 15844), (721, 15853), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (801, 16090), (811, 16123), (826, 16153), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (865, 16240), (881, 16282), (899, 16354), (900, 16360),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 172

Candidate Starts for Alpacados_22:

(Start: 163 @16270 has 3 MA's), (Start: 172 @16285 has 32 MA's), (223, 16354), (241, 16390), (315, 16576), (368, 16705), (389, 16747), (399, 16774), (Start: 407 @16798 has 1 MA's), (416, 16816), (441, 16846), (451, 16861), (476, 16912), (514, 16996), (587, 17113), (594, 17137), (652, 17251), (668, 17299), (679, 17329), (689, 17368), (692, 17380), (718, 17410), (753, 17488), (809, 17635), (818, 17659), (833, 17695), (853, 17734), (906, 17902),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for AlpineSix_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 151

Candidate Starts for Alsfro_31:

(Start: 151 @21865 has 225 MA's), (Start: 167 @21886 has 5 MA's), (Start: 195 @21928 has 1 MA's), (228, 21973), (315, 22189), (333, 22234), (336, 22243), (377, 22333), (378, 22336), (389, 22360), (416, 22429), (476, 22531), (510, 22600), (589, 22789), (593, 22801), (594, 22804), (601, 22825), (652, 22921), (653, 22924), (655, 22930), (679, 22999), (684, 23017), (686, 23026), (697, 23056), (731, 23152), (747, 23185), (753, 23200), (795, 23341), (813, 23398), (861, 23509), (907, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 151

Candidate Starts for Altman_29:

(Start: 151 @21923 has 225 MA's), (Start: 167 @21944 has 5 MA's), (Start: 195 @21986 has 1 MA's), (228, 22031), (315, 22247), (333, 22292), (336, 22301), (353, 22340), (377, 22391), (378, 22394), (416, 22487), (476, 22589), (510, 22658), (593, 22859), (594, 22862), (601, 22883), (652, 22979), (653, 22982), (655, 22988), (679, 23057), (684, 23075), (686, 23084), (697, 23114), (731, 23210), (747, 23243), (753, 23258), (795, 23399), (813, 23456), (861, 23567),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 178

Candidate Starts for AlumE_19:

(Start: 178 @17776 has 57 MA's), (308, 18034), (315, 18052), (316, 18055), (338, 18109), (372, 18184), (398, 18253), (401, 18262), (405, 18274), (409, 18286), (423, 18325), (437, 18352), (444, 18361), (445, 18364), (510, 18397), (526, 18454), (568, 18520), (617, 18631), (653, 18691), (685, 18793), (730, 18850), (766, 18940), (849, 19180), (873, 19258),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 151

Candidate Starts for Alvin_28:

(Start: 151 @21635 has 225 MA's), (Start: 167 @21656 has 5 MA's), (Start: 195 @21698 has 1 MA's), (228, 21743), (315, 21959), (333, 22004), (336, 22013), (377, 22103), (378, 22106), (416, 22199), (476, 22301), (510, 22370), (589, 22559), (593, 22571), (594, 22574), (601, 22595), (652, 22691), (653, 22694), (655, 22700), (679, 22769), (684, 22787), (686, 22796), (697, 22826), (731, 22922), (747, 22955), (753, 22970), (795, 23111), (813, 23168), (861, 23279),

Gene: Amao_24 Start: 18950, Stop: 20629, Start Num: 134

Candidate Starts for Amao_24:

(Start: 134 @18950 has 130 MA's), (Start: 196 @19034 has 48 MA's), (Start: 246 @19112 has 1 MA's), (280, 19199), (286, 19214), (305, 19262), (320, 19301), (361, 19388), (377, 19421), (394, 19457), (402, 19487), (405, 19493), (458, 19562), (477, 19592), (481, 19604), (482, 19607), (512, 19664), (575, 19796), (578, 19802), (602, 19868), (604, 19874), (612, 19898), (628, 19946), (642, 19970), (647, 19979), (672, 20054), (721, 20105), (726, 20120), (786, 20282), (792, 20309), (801, 20339), (843, 20444), (879, 20522), (886, 20558), (889, 20567), (899, 20600), (906, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Amelie_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 134

Candidate Starts for AmericanBeauty_26:

(Start: 134 @19733 has 130 MA's), (Start: 196 @19817 has 48 MA's), (Start: 246 @19895 has 1 MA's), (280, 19982), (286, 19997), (305, 20045), (320, 20084), (361, 20171), (377, 20204), (394, 20240), (402, 20270), (405, 20276), (458, 20345), (477, 20375), (481, 20387), (482, 20390), (512, 20447), (575, 20579), (578, 20585), (602, 20651), (604, 20657), (612, 20681), (628, 20729), (642, 20753), (647, 20762), (672, 20837), (721, 20888), (726, 20903), (786, 21065), (792, 21092), (801, 21122), (843, 21227), (879, 21305), (886, 21341), (889, 21350), (899, 21383), (906, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 95

Candidate Starts for Amgine_21:

(Start: 95 @17216 has 1 MA's), (Start: 111 @17246 has 26 MA's), (Start: 116 @17252 has 42 MA's), (Start: 118 @17255 has 152 MA's), (Start: 137 @17267 has 56 MA's), (143, 17273), (Start: 233

@17399 has 2 MA's), (238, 17414), (262, 17465), (273, 17495), (283, 17528), (317, 17630), (335, 17672), (365, 17744), (369, 17753), (427, 17897), (428, 17900), (445, 17915), (455, 17927), (459, 17933), (467, 17951), (475, 17975), (477, 17981), (487, 18008), (509, 18044), (582, 18164), (628, 18281), (647, 18314), (649, 18326), (653, 18338), (669, 18386), (761, 18578), (773, 18611), (776, 18620), (792, 18683), (795, 18695), (811, 18746), (813, 18752), (862, 18845), (879, 18896), (889, 18941), (900, 18980), (901, 18983), (910, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 118

Candidate Starts for Aminay_21:

(13, 16757), (14, 16769), (28, 16964), (Start: 118 @17435 has 152 MA's), (Start: 233 @17579 has 2 MA's), (238, 17594), (262, 17645), (273, 17675), (288, 17720), (319, 17816), (361, 17912), (365, 17924), (406, 18020), (459, 18113), (467, 18131), (477, 18161), (496, 18200), (514, 18242), (574, 18326), (598, 18389), (610, 18422), (621, 18461), (669, 18590), (715, 18680), (718, 18689), (749, 18746), (761, 18779), (768, 18800), (773, 18812), (795, 18896), (811, 18947), (813, 18953), (864, 19055), (886, 19133), (892, 19154), (900, 19181), (910, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 116

Candidate Starts for Amochick_22:

(Start: 116 @17409 has 42 MA's), (Start: 121 @17418 has 18 MA's), (155, 17460), (193, 17511), (Start: 213 @17535 has 1 MA's), (219, 17547), (Start: 233 @17568 has 2 MA's), (238, 17583), (247, 17601), (263, 17634), (272, 17661), (294, 17733), (323, 17823), (360, 17907), (363, 17916), (373, 17937), (401, 18003), (411, 18030), (425, 18063), (445, 18081), (460, 18102), (467, 18117), (468, 18120), (496, 18186), (499, 18189), (523, 18255), (537, 18267), (557, 18276), (564, 18279), (598, 18366), (615, 18420), (643, 18465), (646, 18471), (668, 18543), (679, 18573), (686, 18600), (715, 18636), (718, 18645), (761, 18723), (804, 18867), (809, 18885), (813, 18897), (822, 18912), (824, 18915), (831, 18936), (835, 18948), (864, 18996), (875, 19029), (895, 19104), (900, 19122), (910, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 111

Candidate Starts for Amohnition_22:

(Start: 95 @17590 has 1 MA's), (Start: 111 @17620 has 26 MA's), (Start: 118 @17629 has 152 MA's), (143, 17659), (Start: 233 @17785 has 2 MA's), (238, 17800), (Start: 246 @17818 has 1 MA's), (262, 17851), (283, 17914), (288, 17926), (294, 17944), (317, 18016), (333, 18052), (335, 18058), (369, 18139), (408, 18232), (412, 18244), (413, 18247), (427, 18283), (459, 18319), (475, 18361), (477, 18367), (487, 18394), (582, 18550), (614, 18640), (628, 18667), (649, 18712), (669, 18772), (691, 18847), (718, 18871), (749, 18931), (762, 18967), (773, 18997), (795, 19081), (864, 19240), (900, 19366), (901, 19369), (910, 19387),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 149

Candidate Starts for Amok_17:

(Start: 139 @15031 has 9 MA's), (Start: 149 @15034 has 636 MA's), (226, 15133), (Start: 233 @15145 has 2 MA's), (307, 15340), (335, 15415), (389, 15535), (398, 15559), (416, 15604), (441, 15637), (449, 15649), (461, 15673), (487, 15742), (496, 15754), (584, 15919), (611, 15991), (653, 16069), (657, 16084), (664, 16102), (684, 16159), (753, 16300), (755, 16306), (760, 16318), (769, 16327), (794, 16399), (795, 16402), (797, 16408), (801, 16420), (842, 16525), (847, 16534), (861, 16567), (906, 16720),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Amymech_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468,

18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 118

Candidate Starts for Anaya_24:

(Start: 118 @17173 has 152 MA's), (143, 17203), (Start: 246 @17362 has 1 MA's), (262, 17395), (273, 17425), (283, 17458), (288, 17470), (317, 17560), (335, 17602), (365, 17674), (369, 17683), (389, 17722), (405, 17767), (412, 17788), (413, 17791), (459, 17863), (475, 17905), (477, 17911), (487, 17938), (574, 18076), (582, 18094), (597, 18136), (603, 18154), (614, 18184), (669, 18316), (762, 18511), (773, 18541), (776, 18550), (795, 18625), (811, 18676), (813, 18682), (879, 18826), (889, 18871), (900, 18910), (901, 18913), (910, 18931),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 149

Candidate Starts for Anaysia_30:

(98, 19030), (Start: 128 @19072 has 37 MA's), (Start: 149 @19096 has 636 MA's), (Start: 246 @19234 has 1 MA's), (272, 19291), (285, 19333), (302, 19369), (315, 19408), (343, 19477), (353, 19501), (378, 19555), (455, 19705), (476, 19750), (487, 19780), (509, 19816), (524, 19867), (540, 19903), (560, 19951), (590, 20011), (652, 20140), (679, 20218), (753, 20419), (755, 20425), (786, 20521), (845, 20686), (879, 20785),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 139

Candidate Starts for AndPeggy_17:

(Start: 139 @15394 has 9 MA's), (Start: 149 @15397 has 636 MA's), (226, 15499), (Start: 233 @15511 has 2 MA's), (274, 15607), (302, 15691), (335, 15781), (361, 15841), (373, 15868), (388, 15898), (389, 15901), (416, 15970), (441, 16003), (449, 16015), (451, 16018), (461, 16039), (463, 16042), (487, 16108), (496, 16120), (584, 16285), (653, 16435), (657, 16450), (664, 16468), (684, 16525), (753, 16666), (755, 16672), (760, 16684), (769, 16693), (794, 16765), (795, 16768), (797, 16774), (801, 16786), (842, 16891), (847, 16900), (861, 16933),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Andies_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 149

Candidate Starts for Aneem_28:

(98, 20689), (Start: 128 @20731 has 37 MA's), (Start: 149 @20755 has 636 MA's), (188, 20797), (Start: 246 @20893 has 1 MA's), (255, 20908), (284, 20989), (285, 20992), (315, 21067), (319, 21082), (336, 21121), (339, 21127), (361, 21178), (389, 21238), (393, 21244), (428, 21325), (476, 21409), (526, 21535), (533, 21553), (550, 21580), (609, 21721), (648, 21787), (652, 21799), (653, 21802), (712, 21991), (721, 22018), (726, 22027), (736, 22048), (738, 22051), (747, 22072), (753, 22087), (761, 22111), (785, 22186), (788, 22201), (813, 22285), (859, 22390), (861, 22396), (876, 22450), (907, 22549),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Angel_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for Angelica_23:

(Start: 118 @17122 has 152 MA's), (143, 17152), (Start: 246 @17311 has 1 MA's), (262, 17344), (273, 17374), (283, 17407), (288, 17419), (317, 17509), (335, 17551), (365, 17623), (369, 17632), (389, 17671), (405, 17716), (412, 17737), (413, 17740), (445, 17794), (459, 17812), (475, 17854), (477, 17860), (487, 17887), (574, 18025), (582, 18043), (597, 18085), (603, 18103), (614, 18133), (628, 18160), (669, 18265), (749, 18424), (762, 18460), (773, 18490), (776, 18499), (795, 18574), (811, 18625), (889, 18820), (900, 18859), (901, 18862), (910, 18880),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 102

Candidate Starts for Angelicage_33:

(94, 31051), (Start: 102 @31069 has 86 MA's), (Start: 126 @31105 has 1 MA's), (231, 31243), (240, 31267), (272, 31339), (275, 31348), (315, 31468), (333, 31513), (339, 31528), (345, 31546), (377, 31609), (397, 31654), (399, 31663), (453, 31753), (467, 31783), (472, 31798), (475, 31807), (480, 31822), (496, 31852), (609, 32074), (616, 32092), (620, 32107), (648, 32137), (652, 32149), (653, 32152), (660, 32179), (795, 32503), (796, 32506), (811, 32554), (824, 32581), (833, 32608), (859, 32662), (864, 32686), (865, 32689), (890, 32779), (907, 32827),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 117

Candidate Starts for Angelique_20:

(Start: 100 @17686 has 1 MA's), (Start: 117 @17710 has 26 MA's), (158, 17752), (197, 17809), (230, 17851), (313, 18040), (373, 18187), (377, 18193), (453, 18337), (457, 18343), (470, 18376), (508, 18451), (652, 18733), (684, 18829), (740, 18952), (753, 18985), (755, 18991), (787, 19057), (795, 19087), (859, 19243), (861, 19249), (896, 19378),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 151

Candidate Starts for Anglerfish_28:

(Start: 151 @21836 has 225 MA's), (Start: 167 @21857 has 5 MA's), (Start: 195 @21899 has 1 MA's), (228, 21944), (315, 22160), (333, 22205), (336, 22214), (377, 22304), (378, 22307), (416, 22400), (476, 22502), (510, 22571), (593, 22772), (594, 22775), (601, 22796), (652, 22892), (653, 22895), (655, 22901), (679, 22970), (684, 22988), (686, 22997), (697, 23027), (731, 23123), (747, 23156), (753, 23171), (795, 23312), (813, 23369), (861, 23480), (907, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 172

Candidate Starts for AngryOrchard_22:

(Start: 163 @16253 has 3 MA's), (Start: 172 @16268 has 32 MA's), (223, 16337), (241, 16373), (294, 16514), (315, 16559), (368, 16688), (389, 16730), (397, 16748), (399, 16757), (Start: 407 @16781 has 1 MA's), (416, 16799), (441, 16829), (451, 16844), (453, 16847), (470, 16886), (476, 16895), (587, 17096), (652, 17234), (679, 17312), (689, 17351), (692, 17363), (718, 17393), (753, 17471), (809, 17618), (853, 17717), (859, 17732), (906, 17885),

Gene: Anma_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for Anma_23:

(Start: 118 @17102 has 152 MA's), (143, 17132), (Start: 246 @17291 has 1 MA's), (262, 17324), (273, 17354), (283, 17387), (288, 17399), (317, 17489), (335, 17531), (365, 17603), (369, 17612), (389,

17651), (405, 17696), (413, 17720), (459, 17792), (475, 17834), (477, 17840), (487, 17867), (574, 18005), (582, 18023), (597, 18065), (614, 18113), (628, 18140), (669, 18245), (715, 18335), (762, 18440), (773, 18470), (776, 18479), (795, 18554), (811, 18605), (889, 18800), (900, 18839), (901, 18842), (910, 18860),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 149

Candidate Starts for AnnaL29_31:

(Start: 128 @21997 has 37 MA's), (Start: 149 @22021 has 636 MA's), (265, 22204), (284, 22255), (285, 22258), (314, 22330), (315, 22333), (336, 22387), (339, 22393), (353, 22426), (389, 22504), (393, 22510), (397, 22522), (428, 22591), (470, 22666), (472, 22672), (476, 22675), (496, 22717), (554, 22864), (593, 22945), (594, 22948), (609, 22987), (648, 23053), (653, 23068), (697, 23200), (718, 23248), (744, 23299), (747, 23311), (753, 23326), (755, 23332), (774, 23386), (788, 23440), (813, 23524), (842, 23590), (859, 23629), (861, 23635),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 178

Candidate Starts for Annalisa_20:

(96, 17229), (Start: 178 @17346 has 57 MA's), (308, 17604), (316, 17625), (338, 17679), (356, 17718), (378, 17775), (388, 17796), (510, 17967), (515, 17985), (522, 18009), (528, 18030), (568, 18072), (602, 18153), (653, 18243), (685, 18345), (686, 18348), (730, 18402), (823, 18672), (862, 18771), (864, 18780), (873, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 137

Candidate Starts for Annihilator_18:

(Start: 111 @16631 has 26 MA's), (Start: 137 @16640 has 56 MA's), (143, 16646), (147, 16652), (238, 16784), (262, 16835), (273, 16865), (280, 16889), (315, 16991), (331, 17030), (333, 17036), (339, 17051), (358, 17096), (408, 17216), (429, 17273), (459, 17312), (477, 17360), (487, 17387), (496, 17399), (532, 17480), (574, 17525), (653, 17723), (662, 17753), (669, 17771), (679, 17798), (722, 17882), (735, 17900), (745, 17915), (761, 17963), (765, 17978), (786, 18041), (801, 18098), (813, 18137), (831, 18179), (862, 18230), (889, 18326), (910, 18386),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Annyong_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 149

Candidate Starts for Anon_28:

(Start: 128 @19703 has 37 MA's), (Start: 149 @19727 has 636 MA's), (Start: 214 @19802 has 22 MA's), (238, 19847), (Start: 246 @19865 has 1 MA's), (285, 19964), (294, 19994), (302, 20000), (315, 20039), (319, 20054), (343, 20108), (353, 20132), (378, 20186), (393, 20216), (433, 20303), (455, 20336), (472, 20378), (476, 20381), (509, 20447), (524, 20498), (560, 20582), (652, 20771), (653, 20774), (673, 20837), (686, 20876), (700, 20921), (731, 21002), (747, 21035), (755, 21056), (775, 21113), (785, 21149), (813, 21242), (862, 21362), (889, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 149

Candidate Starts for Anselm_28:

(Start: 128 @20269 has 37 MA's), (Start: 149 @20293 has 636 MA's), (231, 20392), (284, 20527), (285, 20530), (314, 20602), (315, 20605), (336, 20659), (353, 20698), (373, 20743), (389, 20776),

(428, 20863), (472, 20944), (476, 20947), (594, 21220), (653, 21340), (692, 21466), (718, 21520), (721, 21529), (731, 21550), (747, 21583), (753, 21598), (755, 21604), (774, 21658), (785, 21697), (788, 21712), (813, 21796), (861, 21907), (899, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 149

Candidate Starts for Anthony_27:

(98, 18609), (Start: 128 @18651 has 37 MA's), (Start: 149 @18675 has 636 MA's), (Start: 167 @18684 has 5 MA's), (231, 18774), (Start: 246 @18813 has 1 MA's), (284, 18909), (285, 18912), (314, 18984), (315, 18987), (336, 19041), (339, 19047), (389, 19158), (428, 19245), (472, 19326), (476, 19329), (542, 19485), (553, 19515), (609, 19641), (653, 19722), (692, 19848), (730, 19956), (731, 19959), (753, 20007), (774, 20067), (785, 20106), (788, 20121), (813, 20205), (859, 20310), (861, 20316), (864, 20334), (876, 20370), (899, 20451),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Antonio_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 137

Candidate Starts for Antsirabe_18:

(Start: 137 @16985 has 56 MA's), (234, 17105), (273, 17198), (315, 17324), (319, 17339), (333, 17369), (335, 17375), (339, 17384), (358, 17429), (408, 17549), (459, 17645), (475, 17687), (477, 17693), (496, 17732), (512, 17768), (532, 17813), (653, 18050), (669, 18098), (679, 18125), (688, 18161), (791, 18380), (801, 18413), (831, 18494), (889, 18641), (903, 18686),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 149

Candidate Starts for Anubis_31:

(Start: 149 @20265 has 636 MA's), (Start: 195 @20322 has 1 MA's), (205, 20337), (231, 20370), (238, 20391), (245, 20406), (280, 20493), (284, 20505), (285, 20508), (315, 20583), (319, 20598), (335, 20634), (428, 20841), (487, 20955), (510, 20994), (542, 21081), (593, 21195), (601, 21219), (609, 21237), (653, 21318), (679, 21393), (684, 21411), (692, 21444), (697, 21450), (706, 21489), (730, 21543), (731, 21546), (744, 21567), (763, 21624), (813, 21792), (859, 21897), (861, 21903), (899, 22038),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 150

Candidate Starts for Aphelion_48:

(Start: 150 @29609 has 17 MA's), (192, 29669), (Start: 214 @29702 has 22 MA's), (234, 29735), (283, 29861), (294, 29894), (299, 29903), (353, 30032), (375, 30080), (512, 30293), (514, 30299), (521, 30323), (587, 30452), (593, 30473), (604, 30506), (672, 30704), (763, 30857), (792, 30956), (795, 30968), (798, 30977), (829, 31061), (887, 31208), (897, 31244), (901, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 174

Candidate Starts for Apiary_45:

(Start: 174 @31353 has 9 MA's), (Start: 179 @31362 has 33 MA's), (226, 31416), (237, 31440), (Start: 246 @31443 has 1 MA's), (350, 31713), (381, 31776), (388, 31791), (446, 31908), (456, 31923), (501, 31980), (506, 31989), (519, 32031), (525, 32052), (540, 32082), (577, 32139), (606, 32214), (632, 32253), (658, 32310), (717, 32415), (718, 32418), (727, 32445), (768, 32523), (780, 32562), (833, 32718), (866, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 118

Candidate Starts for Apocalypse_23:

(Start: 118 @17125 has 152 MA's), (143, 17155), (Start: 246 @17314 has 1 MA's), (262, 17347), (273, 17377), (283, 17410), (288, 17422), (317, 17512), (335, 17554), (365, 17626), (369, 17635), (389, 17674), (405, 17719), (412, 17740), (413, 17743), (445, 17797), (459, 17815), (475, 17857), (477, 17863), (487, 17890), (574, 18028), (582, 18046), (597, 18088), (603, 18106), (614, 18136), (628, 18163), (669, 18268), (749, 18427), (762, 18463), (773, 18493), (776, 18502), (795, 18577), (811, 18628), (889, 18823), (900, 18862), (901, 18865), (910, 18883),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 172

Candidate Starts for AppleCloud_21:

(Start: 163 @16299 has 3 MA's), (Start: 172 @16314 has 32 MA's), (203, 16356), (223, 16383), (241, 16419), (294, 16560), (315, 16605), (368, 16734), (389, 16776), (397, 16794), (399, 16803), (Start: 407 @16827 has 1 MA's), (416, 16845), (441, 16875), (451, 16890), (453, 16893), (470, 16932), (476, 16941), (514, 17025), (553, 17079), (560, 17094), (587, 17142), (594, 17166), (652, 17280), (679, 17358), (689, 17397), (692, 17409), (698, 17418), (718, 17439), (753, 17517), (809, 17664), (853, 17763), (859, 17778), (906, 17931),

Gene: Applecrisp_21 Start: 17666, Stop: 19420, Start Num: 118

Candidate Starts for Applecrisp_21:

(Start: 95 @17627 has 1 MA's), (Start: 111 @17657 has 26 MA's), (Start: 116 @17663 has 42 MA's), (Start: 118 @17666 has 152 MA's), (Start: 137 @17678 has 56 MA's), (143, 17684), (Start: 233 @17810 has 2 MA's), (238, 17825), (262, 17876), (273, 17906), (283, 17939), (317, 18041), (333, 18077), (335, 18083), (369, 18164), (427, 18308), (428, 18311), (445, 18326), (455, 18338), (459, 18344), (467, 18362), (475, 18386), (477, 18392), (487, 18419), (582, 18575), (628, 18692), (647, 18725), (649, 18737), (653, 18749), (669, 18797), (761, 18989), (773, 19022), (776, 19031), (782, 19055), (792, 19094), (795, 19106), (811, 19157), (813, 19163), (862, 19256), (879, 19307), (889, 19352), (900, 19391), (901, 19394), (910, 19412),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 151

Candidate Starts for Applejack_27:

(Start: 151 @21097 has 225 MA's), (Start: 167 @21118 has 5 MA's), (Start: 195 @21160 has 1 MA's), (228, 21205), (315, 21421), (333, 21466), (336, 21475), (353, 21514), (377, 21565), (378, 21568), (476, 21763), (510, 21832), (593, 22033), (594, 22036), (601, 22057), (652, 22153), (653, 22156), (655, 22162), (679, 22231), (684, 22249), (686, 22258), (697, 22288), (731, 22384), (747, 22417), (753, 22432), (795, 22573), (813, 22630), (861, 22741),

Gene: Applejacks_18 Start: 15064, Stop: 16680, Start Num: 201

Candidate Starts for Applejacks_18:

(201, 15064), (260, 15163), (261, 15166), (277, 15217), (321, 15331), (350, 15394), (363, 15421), (404, 15517), (414, 15547), (483, 15673), (531, 15787), (551, 15820), (593, 15907), (594, 15910), (601, 15931), (616, 15976), (649, 16045), (650, 16048), (667, 16090), (671, 16108), (678, 16120), (731, 16186), (748, 16222), (750, 16228), (753, 16234), (757, 16246), (761, 16258), (777, 16306), (859, 16510), (861, 16516), (862, 16525), (890, 16624), (897, 16651), (906, 16669),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 149

Candidate Starts for Apricot_19:

(119, 15931), (Start: 149 @15970 has 636 MA's), (Start: 156 @15982 has 1 MA's), (159, 15985), (185, 16021), (Start: 215 @16060 has 57 MA's), (231, 16081), (249, 16123), (253, 16129), (254, 16132), (260, 16144), (273, 16180), (284, 16216), (304, 16273), (319, 16321), (332, 16348), (377, 16450), (395, 16489), (416, 16546), (427, 16564), (436, 16573), (441, 16579), (467, 16627), (477, 16657), (494, 16693), (499, 16699), (509, 16720), (510, 16723), (525, 16774), (554, 16801), (555, 16804), (571, 16831), (584, 16858), (611, 16930), (637, 16969), (663, 17023), (686, 17095), (701, 17140), (748, 17230), (755, 17248), (792, 17332), (794, 17341), (795, 17344), (797, 17350), (803, 17365),

(812, 17395), (814, 17401), (824, 17422), (826, 17425), (849, 17479), (861, 17509), (862, 17518), (878, 17569), (886, 17602), (890, 17614), (895, 17632),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 149

Candidate Starts for Aragog_24:

(Start: 149 @19764 has 636 MA's), (Start: 233 @19869 has 2 MA's), (Start: 246 @19902 has 1 MA's), (285, 20001), (315, 20076), (319, 20091), (335, 20127), (366, 20199), (373, 20214), (389, 20247), (393, 20253), (506, 20478), (509, 20484), (542, 20574), (590, 20679), (593, 20688), (609, 20730), (615, 20748), (652, 20808), (653, 20811), (679, 20886), (684, 20904), (730, 21045), (747, 21081), (813, 21294), (858, 21396), (861, 21405), (892, 21519), (899, 21540), (901, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 151

Candidate Starts for Arcanine_28:

(Start: 151 @20852 has 225 MA's), (Start: 167 @20873 has 5 MA's), (Start: 195 @20915 has 1 MA's), (228, 20960), (315, 21176), (333, 21221), (336, 21230), (377, 21320), (378, 21323), (416, 21416), (476, 21518), (510, 21587), (589, 21776), (593, 21788), (594, 21791), (601, 21812), (652, 21908), (653, 21911), (655, 21917), (679, 21986), (684, 22004), (686, 22013), (697, 22043), (731, 22139), (747, 22172), (753, 22187), (795, 22328), (813, 22385), (861, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 149

Candidate Starts for ArcherNM_30:

(98, 21900), (Start: 128 @21942 has 37 MA's), (Start: 149 @21966 has 636 MA's), (265, 22149), (284, 22200), (285, 22203), (314, 22275), (315, 22278), (336, 22332), (339, 22338), (353, 22371), (389, 22449), (393, 22455), (397, 22467), (428, 22536), (470, 22611), (472, 22617), (476, 22620), (553, 22806), (593, 22890), (594, 22893), (609, 22932), (639, 22983), (648, 22998), (653, 23013), (692, 23139), (697, 23145), (718, 23193), (744, 23244), (747, 23256), (753, 23271), (755, 23277), (774, 23331), (788, 23385), (813, 23469), (842, 23535), (859, 23574), (861, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 149

Candidate Starts for Archetta_24:

(Start: 149 @19557 has 636 MA's), (Start: 246 @19695 has 1 MA's), (285, 19794), (315, 19869), (335, 19920), (366, 19992), (373, 20007), (389, 20040), (393, 20046), (436, 20139), (487, 20241), (506, 20271), (509, 20277), (542, 20367), (553, 20397), (589, 20469), (593, 20481), (594, 20484), (609, 20523), (615, 20541), (652, 20601), (653, 20604), (670, 20655), (684, 20697), (730, 20838), (749, 20880), (861, 21198), (899, 21333),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 177

Candidate Starts for ArchiDore_19:

(82, 16094), (Start: 144 @16208 has 6 MA's), (Start: 168 @16232 has 17 MA's), (Start: 177 @16244 has 2 MA's), (273, 16421), (275, 16427), (295, 16493), (335, 16607), (363, 16673), (365, 16679), (460, 16859), (463, 16865), (475, 16898), (537, 17027), (564, 17039), (573, 17060), (600, 17132), (646, 17237), (647, 17240), (665, 17303), (667, 17306), (679, 17339), (761, 17507), (763, 17513), (792, 17612), (910, 17930),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 215

Candidate Starts for Archimedes_16:

(Start: 215 @14567 has 57 MA's), (261, 14654), (300, 14759), (324, 14822), (328, 14828), (340, 14852), (386, 14960), (411, 15029), (512, 15212), (516, 15224), (534, 15278), (602, 15422), (604, 15428), (623, 15494), (630, 15512), (674, 15638), (713, 15668), (762, 15749), (763, 15752), (794, 15860), (797, 15869), (807, 15902), (871, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 215

Candidate Starts for Archis_20:

(187, 16825), (Start: 215 @16861 has 57 MA's), (266, 16963), (296, 17041), (298, 17044), (340, 17140), (357, 17179), (392, 17260), (410, 17314), (415, 17329), (512, 17500), (521, 17530), (604, 17713), (612, 17737), (613, 17740), (625, 17788), (659, 17881), (664, 17893), (682, 17938), (713, 17953), (762, 18085), (763, 18088), (792, 18187), (797, 18205), (813, 18256), (842, 18322), (871, 18385), (876, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 129

Candidate Starts for ArcusAngelus_16:

(Start: 129 @14845 has 222 MA's), (199, 14932), (Start: 233 @14977 has 2 MA's), (242, 15001), (283, 15106), (286, 15112), (292, 15130), (305, 15160), (350, 15265), (379, 15325), (389, 15346), (394, 15355), (399, 15373), (401, 15379), (453, 15454), (460, 15466), (467, 15481), (469, 15487), (475, 15505), (480, 15520), (482, 15526), (493, 15547), (504, 15562), (506, 15565), (511, 15577), (512, 15583), (526, 15631), (531, 15643), (535, 15649), (574, 15709), (579, 15721), (593, 15757), (597, 15769), (598, 15772), (604, 15790), (624, 15844), (628, 15853), (638, 15871), (642, 15877), (718, 16012), (721, 16021), (722, 16024), (738, 16060), (754, 16099), (766, 16138), (794, 16237), (801, 16258), (811, 16291), (826, 16321), (835, 16351), (839, 16357), (841, 16360), (844, 16366), (859, 16381), (860, 16384), (865, 16408), (881, 16450), (899, 16522), (900, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 129

Candidate Starts for Ardmore_16:

(Start: 129 @14856 has 222 MA's), (199, 14943), (Start: 233 @14988 has 2 MA's), (242, 15012), (283, 15117), (286, 15123), (292, 15141), (305, 15171), (350, 15276), (379, 15336), (389, 15357), (394, 15366), (401, 15390), (453, 15465), (455, 15468), (475, 15516), (480, 15531), (482, 15537), (504, 15573), (506, 15576), (511, 15588), (512, 15594), (526, 15642), (531, 15654), (535, 15660), (574, 15720), (579, 15732), (593, 15768), (597, 15780), (624, 15855), (628, 15864), (638, 15882), (642, 15888), (652, 15918), (718, 16023), (721, 16032), (722, 16035), (738, 16071), (766, 16149), (794, 16248), (801, 16269), (811, 16302), (826, 16332), (835, 16362), (841, 16371), (844, 16377), (859, 16392), (860, 16395), (865, 16419), (876, 16449), (881, 16461), (886, 16491), (899, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 134

Candidate Starts for Argent26_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 151

Candidate Starts for Arianna_19:

(Start: 151 @17425 has 225 MA's), (Start: 174 @17458 has 9 MA's), (304, 17716), (333, 17794), (388, 17917), (393, 17926), (394, 17929), (397, 17938), (399, 17947), (476, 18088), (480, 18100), (509, 18154), (585, 18289), (597, 18322), (604, 18340), (609, 18352), (615, 18367), (652, 18427), (658, 18448), (660, 18457), (684, 18523), (692, 18556), (718, 18586), (720, 18592), (721, 18595), (753, 18664), (794, 18763), (797, 18772), (860, 18928), (862, 18940),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 122

Candidate Starts for Arib1_19:

(Start: 122 @16391 has 48 MA's), (183, 16472), (185, 16475), (225, 16526), (257, 16589), (260, 16595), (274, 16634), (284, 16667), (294, 16691), (344, 16811), (347, 16826), (361, 16850), (363, 16856), (399, 16940), (413, 16982), (453, 17021), (458, 17027), (473, 17066), (475, 17072), (483, 17096), (512, 17150), (518, 17171), (545, 17231), (583, 17309), (597, 17348), (609, 17381), (628, 17447), (642, 17471), (650, 17495), (660, 17525), (667, 17537), (733, 17639), (784, 17777), (807,

17861), (852, 17960), (876, 18017), (889, 18068), (906, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 128

Candidate Starts for Ariel_34:

(Start: 128 @24674 has 37 MA's), (Start: 196 @24764 has 48 MA's), (199, 24767), (242, 24842), (257, 24869), (280, 24935), (294, 24971), (307, 25001), (312, 25016), (346, 25100), (363, 25136), (377, 25163), (395, 25202), (405, 25235), (408, 25244), (455, 25301), (472, 25343), (509, 25418), (512, 25430), (531, 25490), (561, 25544), (575, 25574), (583, 25592), (588, 25601), (598, 25634), (602, 25646), (604, 25652), (616, 25691), (642, 25748), (726, 25898), (733, 25916), (753, 25958), (761, 25982), (762, 25985), (766, 26000), (777, 26030), (786, 26060), (801, 26117), (867, 26267), (901, 26387), (906, 26393),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 149

Candidate Starts for Arissanae_28:

(Start: 146 @19806 has 12 MA's), (Start: 149 @19809 has 636 MA's), (Start: 171 @19827 has 8 MA's), (Start: 214 @19884 has 22 MA's), (228, 19905), (257, 19965), (273, 20007), (284, 20043), (285, 20046), (315, 20121), (336, 20175), (339, 20181), (377, 20265), (389, 20292), (393, 20298), (428, 20379), (472, 20460), (476, 20463), (506, 20523), (510, 20532), (587, 20712), (594, 20736), (609, 20775), (653, 20856), (706, 21027), (731, 21084), (736, 21093), (747, 21117), (753, 21132), (761, 21156), (774, 21192), (785, 21231), (788, 21246), (813, 21330), (842, 21396), (859, 21435), (861, 21441), (872, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 151

Candidate Starts for Arlo_26:

(Start: 151 @20726 has 225 MA's), (Start: 167 @20747 has 5 MA's), (Start: 195 @20789 has 1 MA's), (228, 20834), (315, 21050), (333, 21095), (336, 21104), (353, 21143), (377, 21194), (378, 21197), (416, 21290), (476, 21392), (510, 21461), (593, 21662), (594, 21665), (601, 21686), (652, 21782), (653, 21785), (655, 21791), (679, 21860), (684, 21878), (686, 21887), (697, 21917), (731, 22013), (747, 22046), (753, 22061), (795, 22202), (813, 22259), (861, 22370),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Aroostook_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 102

Candidate Starts for Arri_34:

(85, 26515), (Start: 102 @26557 has 86 MA's), (Start: 126 @26593 has 1 MA's), (Start: 153 @26626 has 10 MA's), (274, 26836), (275, 26839), (284, 26869), (307, 26935), (315, 26959), (317, 26968), (332, 27001), (399, 27154), (416, 27193), (453, 27244), (460, 27256), (467, 27274), (471, 27286), (475, 27298), (480, 27313), (496, 27343), (499, 27346), (509, 27367), (554, 27439), (579, 27487), (620, 27598), (649, 27631), (660, 27670), (663, 27673), (686, 27745), (715, 27811), (719, 27823), (795, 27994), (796, 27997), (811, 28045), (824, 28072), (833, 28099), (859, 28153), (890, 28270), (896, 28291), (907, 28318),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 149

Candidate Starts for Artemis2UCLA_31:

(98, 19807), (Start: 128 @19849 has 37 MA's), (Start: 149 @19873 has 636 MA's), (285, 20110), (314, 20182), (315, 20185), (319, 20200), (336, 20239), (339, 20245), (389, 20356), (393, 20362), (405,

20401), (428, 20443), (455, 20482), (472, 20524), (476, 20527), (542, 20683), (603, 20824), (609, 20839), (697, 21052), (744, 21151), (753, 21178), (771, 21229), (774, 21238), (785, 21277), (788, 21292), (813, 21376), (859, 21481), (861, 21487), (899, 21622),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 170

Candidate Starts for Arti_41:

(Start: 170 @29812 has 41 MA's), (Start: 200 @29848 has 1 MA's), (212, 29866), (Start: 246 @29926 has 1 MA's), (338, 30166), (343, 30178), (347, 30193), (381, 30259), (388, 30274), (399, 30298), (400, 30301), (435, 30385), (454, 30415), (456, 30418), (501, 30475), (518, 30523), (519, 30526), (525, 30547), (587, 30652), (602, 30697), (626, 30739), (717, 30913), (727, 30943), (731, 30949), (779, 31057), (780, 31060), (801, 31135), (886, 31354), (905, 31411),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 149

Candidate Starts for Arturo_26:

(Start: 128 @19915 has 37 MA's), (Start: 149 @19939 has 636 MA's), (Start: 195 @19996 has 1 MA's), (Start: 233 @20050 has 2 MA's), (238, 20065), (Start: 246 @20083 has 1 MA's), (280, 20167), (284, 20179), (285, 20182), (315, 20257), (319, 20272), (336, 20311), (389, 20428), (428, 20515), (472, 20596), (499, 20644), (510, 20668), (542, 20755), (560, 20800), (594, 20872), (601, 20893), (609, 20911), (653, 20992), (684, 21085), (686, 21094), (692, 21118), (697, 21124), (702, 21148), (731, 21202), (744, 21223), (761, 21274), (770, 21298), (786, 21352), (813, 21448), (859, 21553), (862, 21568), (893, 21676), (899, 21694),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 149

Candidate Starts for Asapag_20:

(119, 16389), (Start: 149 @16428 has 636 MA's), (Start: 156 @16440 has 1 MA's), (Start: 215 @16518 has 57 MA's), (231, 16539), (253, 16587), (257, 16596), (273, 16638), (284, 16674), (304, 16731), (311, 16752), (319, 16779), (332, 16806), (395, 16947), (416, 17004), (436, 17031), (441, 17037), (467, 17085), (477, 17115), (494, 17151), (509, 17178), (510, 17181), (525, 17232), (554, 17259), (555, 17262), (571, 17289), (584, 17316), (611, 17388), (637, 17427), (663, 17481), (678, 17523), (701, 17598), (736, 17661), (748, 17688), (755, 17706), (792, 17790), (794, 17799), (795, 17802), (797, 17808), (803, 17823), (812, 17853), (814, 17859), (824, 17880), (826, 17883), (849, 17937), (861, 17967), (862, 17976), (878, 18027), (886, 18060), (890, 18072), (895, 18090),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Asayake_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 151

Candidate Starts for Ashballer_27:

(Start: 151 @21575 has 225 MA's), (Start: 167 @21596 has 5 MA's), (Start: 195 @21638 has 1 MA's), (228, 21683), (315, 21899), (333, 21944), (336, 21953), (353, 21992), (377, 22043), (378, 22046), (476, 22241), (510, 22310), (593, 22511), (594, 22514), (601, 22535), (652, 22631), (653, 22634), (655, 22640), (679, 22709), (684, 22727), (686, 22736), (697, 22766), (731, 22862), (747, 22895), (753, 22910), (795, 23051), (813, 23108), (861, 23219),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 102

Candidate Starts for Ashertheman_35:

(Start: 102 @29935 has 86 MA's), (Start: 126 @29971 has 1 MA's), (223, 30100), (231, 30109), (272, 30205), (275, 30214), (297, 30283), (315, 30334), (317, 30343), (333, 30379), (339, 30394), (345, 30412), (377, 30475), (397, 30520), (399, 30529), (463, 30640), (467, 30649), (472, 30664), (480, 30688), (496, 30718), (609, 30940), (616, 30958), (620, 30973), (652, 31015), (653, 31018), (660, 31045), (703, 31165), (795, 31369), (796, 31372), (811, 31420), (824, 31447), (833, 31474), (859, 31528), (865, 31555),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 113

Candidate Starts for Ashwin_58:

(Start: 106 @33950 has 2 MA's), (Start: 113 @33959 has 28 MA's), (Start: 179 @34049 has 33 MA's), (253, 34166), (265, 34202), (275, 34223), (283, 34250), (286, 34256), (299, 34286), (308, 34310), (330, 34361), (394, 34499), (396, 34505), (412, 34556), (413, 34559), (427, 34577), (475, 34628), (482, 34649), (483, 34652), (511, 34700), (512, 34706), (526, 34754), (528, 34760), (531, 34766), (563, 34826), (574, 34850), (575, 34853), (593, 34898), (598, 34913), (601, 34922), (604, 34931), (618, 34976), (628, 34994), (647, 35027), (722, 35165), (730, 35186), (758, 35252), (768, 35282), (784, 35336), (794, 35378), (801, 35399), (807, 35420), (811, 35432), (821, 35453), (844, 35507), (879, 35585), (886, 35621), (892, 35642), (900, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 196

Candidate Starts for Asriel_23:

(Start: 134 @18614 has 130 MA's), (Start: 196 @18698 has 48 MA's), (Start: 246 @18776 has 1 MA's), (280, 18863), (286, 18878), (305, 18926), (320, 18965), (361, 19052), (365, 19064), (377, 19085), (394, 19121), (402, 19151), (405, 19157), (458, 19226), (477, 19256), (481, 19268), (482, 19271), (512, 19328), (575, 19460), (578, 19466), (602, 19532), (604, 19538), (612, 19562), (628, 19610), (642, 19634), (647, 19643), (672, 19718), (721, 19769), (726, 19784), (786, 19946), (792, 19973), (801, 20003), (843, 20108), (879, 20186), (886, 20222), (889, 20231), (899, 20264), (906, 20279),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 149

Candidate Starts for Astro_24:

(Start: 128 @18631 has 37 MA's), (Start: 149 @18655 has 636 MA's), (226, 18748), (Start: 246 @18793 has 1 MA's), (285, 18892), (302, 18928), (315, 18967), (319, 18982), (335, 19018), (389, 19138), (393, 19144), (455, 19264), (514, 19393), (542, 19465), (593, 19579), (684, 19795), (692, 19828), (731, 19930), (747, 19963), (753, 19978), (763, 20008), (858, 20278), (861, 20287), (862, 20296), (895, 20410),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 122

Candidate Starts for Atcoo_19:

(Start: 107 @16236 has 2 MA's), (Start: 122 @16260 has 48 MA's), (Start: 170 @16320 has 41 MA's), (183, 16341), (185, 16344), (260, 16464), (274, 16503), (284, 16536), (294, 16560), (344, 16680), (361, 16719), (363, 16725), (399, 16809), (401, 16815), (405, 16827), (413, 16851), (442, 16878), (458, 16896), (473, 16935), (475, 16941), (483, 16965), (512, 17019), (516, 17031), (518, 17040), (545, 17100), (583, 17178), (597, 17217), (609, 17250), (628, 17316), (636, 17331), (642, 17340), (650, 17364), (660, 17394), (667, 17406), (733, 17508), (741, 17520), (744, 17523), (746, 17529), (748, 17538), (784, 17646), (807, 17730), (852, 17829), (889, 17937), (906, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for Atiba_23:

(Start: 118 @17117 has 152 MA's), (143, 17147), (Start: 246 @17306 has 1 MA's), (262, 17339), (273, 17369), (283, 17402), (288, 17414), (317, 17504), (335, 17546), (365, 17618), (369, 17627), (389, 17666), (405, 17711), (412, 17732), (413, 17735), (445, 17789), (459, 17807), (475, 17849), (477, 17855), (487, 17882), (574, 18020), (582, 18038), (597, 18080), (603, 18098), (614, 18128), (628, 18155), (669, 18260), (749, 18419), (762, 18455), (773, 18485), (776, 18494), (795, 18569), (811,

18620), (862, 18719), (889, 18815), (900, 18854), (901, 18857), (910, 18875),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 151

Candidate Starts for Atkinbua_29:

(Start: 151 @21550 has 225 MA's), (Start: 167 @21571 has 5 MA's), (Start: 195 @21613 has 1 MA's), (228, 21658), (315, 21874), (333, 21919), (336, 21928), (353, 21967), (377, 22018), (378, 22021), (476, 22216), (510, 22285), (593, 22486), (594, 22489), (601, 22510), (652, 22606), (653, 22609), (655, 22615), (679, 22684), (684, 22702), (686, 22711), (697, 22741), (731, 22837), (747, 22870), (753, 22885), (795, 23026), (813, 23083), (861, 23194), (907, 23347),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for Attis_17:

(Start: 91 @14616 has 1 MA's), (Start: 179 @14751 has 33 MA's), (271, 14940), (272, 14943), (295, 15018), (319, 15072), (347, 15141), (356, 15153), (388, 15231), (389, 15234), (444, 15366), (471, 15420), (491, 15471), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (637, 15744), (654, 15783), (685, 15879), (754, 15987), (847, 16263), (849, 16266), (864, 16314), (873, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 129

Candidate Starts for Aubs_16:

(Start: 129 @14966 has 222 MA's), (199, 15053), (Start: 233 @15098 has 2 MA's), (242, 15122), (283, 15227), (286, 15233), (292, 15251), (305, 15281), (350, 15386), (379, 15446), (389, 15467), (394, 15476), (401, 15500), (453, 15575), (467, 15602), (469, 15608), (475, 15626), (480, 15641), (482, 15647), (504, 15683), (506, 15686), (511, 15698), (512, 15704), (526, 15752), (531, 15764), (535, 15770), (574, 15830), (579, 15842), (593, 15878), (597, 15890), (624, 15965), (628, 15974), (638, 15992), (642, 15998), (652, 16028), (718, 16133), (721, 16142), (722, 16145), (738, 16181), (766, 16259), (794, 16358), (801, 16379), (811, 16412), (826, 16442), (835, 16472), (841, 16481), (844, 16487), (859, 16502), (860, 16505), (865, 16529), (876, 16559), (881, 16571), (886, 16601), (899, 16643),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for AugsMagnumOpus_31:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 84

Candidate Starts for AuntGwenStacy_24:

(Start: 84 @19608 has 5 MA's), (104, 19656), (Start: 111 @19665 has 26 MA's), (Start: 144 @19704 has 6 MA's), (Start: 171 @19734 has 8 MA's), (180, 19746), (205, 19782), (228, 19812), (Start: 233 @19821 has 2 MA's), (238, 19836), (262, 19887), (263, 19890), (299, 19989), (348, 20130), (373, 20181), (377, 20187), (395, 20226), (412, 20280), (459, 20349), (475, 20391), (489, 20427), (496, 20436), (530, 20514), (536, 20523), (559, 20553), (573, 20586), (574, 20589), (597, 20649), (605, 20673), (609, 20682), (643, 20751), (678, 20856), (679, 20859), (686, 20886), (779, 21069), (876, 21324), (900, 21414), (901, 21417), (903, 21420),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 153

Candidate Starts for Avani_19:

(Start: 153 @13744 has 10 MA's), (Start: 214 @13825 has 22 MA's), (Start: 233 @13855 has 2 MA's), (241, 13876), (248, 13888), (275, 13954), (287, 13993), (290, 14005), (301, 14029), (318, 14086),

(319, 14089), (331, 14113), (333, 14119), (334, 14122), (353, 14167), (361, 14185), (378, 14221), (428, 14332), (455, 14368), (467, 14395), (471, 14407), (472, 14410), (487, 14452), (496, 14464), (509, 14488), (550, 14542), (593, 14641), (641, 14734), (653, 14761), (656, 14773), (681, 14824), (684, 14839), (713, 14893), (726, 14920), (795, 15082), (796, 15085), (797, 15088), (842, 15205), (861, 15247), (884, 15331), (896, 15376), (901, 15394),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 149

Candidate Starts for AvatarAhPeg_28:

(Start: 128 @20081 has 37 MA's), (Start: 149 @20105 has 636 MA's), (Start: 153 @20111 has 10 MA's), (Start: 195 @20165 has 1 MA's), (238, 20234), (273, 20312), (280, 20336), (284, 20348), (285, 20351), (315, 20426), (319, 20441), (336, 20480), (378, 20573), (389, 20597), (428, 20684), (487, 20798), (542, 20924), (560, 20969), (593, 21038), (601, 21062), (606, 21074), (653, 21161), (684, 21254), (692, 21287), (697, 21293), (700, 21308), (730, 21386), (731, 21389), (744, 21410), (813, 21635), (849, 21713), (850, 21716), (859, 21740), (861, 21746), (899, 21881), (907, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Avle17_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 137

Candidate Starts for Avocado_18:

(Start: 111 @16905 has 26 MA's), (Start: 137 @16914 has 56 MA's), (162, 16944), (205, 17007), (207, 17010), (221, 17028), (238, 17061), (261, 17109), (262, 17112), (315, 17268), (319, 17283), (358, 17373), (378, 17415), (408, 17493), (459, 17589), (467, 17607), (475, 17631), (477, 17637), (496, 17676), (512, 17712), (532, 17757), (574, 17802), (610, 17898), (612, 17907), (644, 17964), (669, 18042), (679, 18069), (688, 18105), (735, 18159), (761, 18222), (772, 18252), (801, 18357), (808, 18381), (826, 18420), (847, 18471), (901, 18627), (903, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Avrafan_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 129

Candidate Starts for Awesomesauce_17:

(Start: 129 @14672 has 222 MA's), (199, 14759), (Start: 233 @14804 has 2 MA's), (242, 14828), (283, 14933), (286, 14939), (292, 14957), (297, 14966), (305, 14987), (350, 15092), (379, 15152), (383, 15161), (389, 15173), (394, 15182), (401, 15206), (413, 15242), (415, 15248), (427, 15260), (453, 15281), (455, 15284), (460, 15293), (467, 15308), (469, 15314), (475, 15332), (480, 15347), (482, 15353), (490, 15371), (493, 15374), (504, 15389), (511, 15404), (512, 15410), (526, 15458), (531, 15470), (535, 15476), (574, 15536), (579, 15548), (583, 15557), (593, 15584), (597, 15596), (604, 15617), (624, 15671), (628, 15680), (642, 15704), (652, 15734), (718, 15839), (722, 15851), (738, 15887), (766, 15965), (794, 16064), (801, 16085), (811, 16118), (826, 16148), (835, 16178), (839,

16184), (841, 16187), (844, 16193), (859, 16208), (860, 16211), (864, 16232), (881, 16277), (899, 16349), (900, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 149

Candidate Starts for Axym_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: Ayanochan_31 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Ayanochan_31:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 168

Candidate Starts for Ayotoya_22:

(103, 18055), (Start: 168 @18130 has 17 MA's), (Start: 233 @18223 has 2 MA's), (238, 18238), (241, 18244), (273, 18319), (295, 18391), (334, 18502), (354, 18547), (361, 18565), (365, 18577), (455, 18748), (460, 18757), (463, 18763), (506, 18859), (523, 18910), (601, 19033), (614, 19072), (667, 19204), (721, 19318), (761, 19405), (794, 19519), (797, 19528), (835, 19633), (877, 19720), (910, 19828),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 149

Candidate Starts for Azira_20:

(37, 16299), (42, 16335), (48, 16386), (Start: 149 @16710 has 636 MA's), (Start: 156 @16722 has 1 MA's), (290, 16974), (299, 16995), (301, 16998), (315, 17043), (319, 17058), (353, 17136), (373, 17181), (416, 17283), (441, 17316), (449, 17328), (451, 17331), (475, 17388), (487, 17421), (499, 17436), (522, 17502), (555, 17544), (560, 17553), (584, 17598), (606, 17661), (652, 17742), (657, 17760), (660, 17769), (664, 17778), (684, 17835), (686, 17844), (753, 17976), (769, 18003), (781, 18024), (794, 18075), (795, 18078), (830, 18174), (842, 18201), (847, 18210), (849, 18213), (861, 18243), (864, 18261), (880, 18306), (906, 18396),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 215

Candidate Starts for Azula_21:

(187, 16926), (Start: 215 @16962 has 57 MA's), (224, 16971), (266, 17067), (296, 17145), (326, 17217), (340, 17244), (357, 17283), (392, 17364), (410, 17418), (512, 17604), (521, 17634), (573, 17733), (604, 17817), (612, 17841), (625, 17892), (659, 17985), (664, 17997), (682, 18042), (713, 18057), (762, 18189), (763, 18192), (792, 18291), (797, 18309), (813, 18360), (838, 18420), (842, 18426), (876, 18501),

Gene: AzulaCat_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for AzulaCat_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722,

17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 149

Candidate Starts for B1_25:

(Start: 149 @19592 has 636 MA's), (Start: 195 @19652 has 1 MA's), (238, 19721), (280, 19823), (284, 19835), (285, 19838), (315, 19913), (319, 19928), (321, 19931), (336, 19967), (397, 20102), (428, 20171), (487, 20285), (542, 20411), (593, 20525), (594, 20528), (601, 20549), (609, 20567), (653, 20648), (679, 20723), (684, 20741), (686, 20750), (692, 20774), (697, 20780), (700, 20795), (706, 20819), (712, 20828), (730, 20873), (731, 20876), (744, 20897), (747, 20909), (813, 21122), (826, 21146), (859, 21227), (861, 21233), (899, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 149

Candidate Starts for BABullseye_31:

(Start: 149 @20049 has 636 MA's), (273, 20247), (285, 20286), (314, 20358), (315, 20361), (321, 20379), (336, 20415), (339, 20421), (389, 20532), (393, 20538), (405, 20577), (428, 20619), (455, 20658), (472, 20700), (476, 20703), (506, 20763), (603, 21000), (609, 21015), (653, 21096), (697, 21228), (753, 21354), (771, 21405), (774, 21414), (785, 21453), (786, 21456), (788, 21468), (813, 21552), (859, 21657), (861, 21663), (899, 21798),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 128

Candidate Starts for BAKA_34:

(Start: 128 @27001 has 37 MA's), (Start: 196 @27091 has 48 MA's), (229, 27139), (242, 27169), (294, 27298), (307, 27328), (346, 27427), (363, 27463), (377, 27490), (405, 27562), (408, 27571), (415, 27592), (469, 27661), (482, 27700), (483, 27703), (490, 27718), (512, 27757), (526, 27805), (531, 27817), (535, 27823), (561, 27871), (566, 27880), (575, 27901), (583, 27919), (600, 27967), (638, 28069), (667, 28141), (683, 28186), (685, 28198), (694, 28333), (695, 28339), (696, 28363), (708, 28435), (716, 28462), (802, 28711),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 146

Candidate Starts for BBQValindra_19:

(18, 16001), (21, 16034), (34, 16169), (43, 16271), (47, 16292), (50, 16313), (78, 16508), (119, 16592), (Start: 146 @16628 has 12 MA's), (290, 16898), (405, 17183), (427, 17225), (453, 17261), (467, 17291), (475, 17315), (494, 17357), (509, 17384), (547, 17441), (550, 17447), (589, 17534), (707, 17828), (738, 17894), (748, 17918), (755, 17936), (795, 18032), (801, 18050), (863, 18209), (887, 18296), (895, 18323),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for BEEST_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 149

Candidate Starts for BENtherdunthat_20:

(119, 16389), (Start: 149 @16428 has 636 MA's), (Start: 156 @16440 has 1 MA's), (Start: 215 @16518 has 57 MA's), (231, 16539), (253, 16587), (257, 16596), (273, 16638), (284, 16674), (304, 16731), (311, 16752), (319, 16779), (332, 16806), (395, 16947), (416, 17004), (436, 17031), (441, 17037), (467, 17085), (477, 17115), (494, 17151), (509, 17178), (510, 17181), (525, 17232), (554, 17259), (555, 17262), (571, 17289), (584, 17316), (611, 17388), (637, 17427), (663, 17481), (678, 17523),

(701, 17598), (736, 17661), (748, 17688), (755, 17706), (792, 17790), (794, 17799), (795, 17802), (797, 17808), (803, 17823), (812, 17853), (814, 17859), (824, 17880), (826, 17883), (849, 17937), (861, 17967), (862, 17976), (878, 18027), (886, 18060), (890, 18072), (895, 18090),

Gene: BGlluviae_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for BGlluviae_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 151

Candidate Starts for BK1_25:

(Start: 151 @20661 has 225 MA's), (Start: 167 @20682 has 5 MA's), (Start: 195 @20724 has 1 MA's), (228, 20769), (315, 20985), (333, 21030), (336, 21039), (353, 21078), (377, 21129), (378, 21132), (476, 21327), (510, 21396), (589, 21585), (593, 21597), (594, 21600), (601, 21621), (652, 21717), (653, 21720), (655, 21726), (679, 21795), (684, 21813), (686, 21822), (697, 21852), (731, 21948), (747, 21981), (753, 21996), (795, 22137), (813, 22194), (861, 22305),

Gene: BPBiebs31_28 Start: 21364, Stop: 23166, Start Num: 151

Candidate Starts for BPBiebs31_28:

(Start: 151 @21364 has 225 MA's), (Start: 167 @21385 has 5 MA's), (Start: 195 @21427 has 1 MA's), (228, 21472), (315, 21688), (333, 21733), (336, 21742), (353, 21781), (377, 21832), (378, 21835), (416, 21928), (476, 22030), (510, 22099), (593, 22300), (594, 22303), (601, 22324), (652, 22420), (653, 22423), (655, 22429), (679, 22498), (684, 22516), (686, 22525), (697, 22555), (731, 22651), (747, 22684), (753, 22699), (795, 22840), (813, 22897), (861, 23008),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for BPs_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 111

Candidate Starts for BQuat_18:

(Start: 111 @16631 has 26 MA's), (Start: 137 @16640 has 56 MA's), (143, 16646), (147, 16652), (238, 16784), (262, 16835), (273, 16865), (280, 16889), (315, 16991), (331, 17030), (333, 17036), (339, 17051), (358, 17096), (408, 17216), (429, 17273), (459, 17312), (477, 17360), (487, 17387), (496, 17399), (532, 17480), (574, 17525), (653, 17723), (662, 17753), (669, 17771), (679, 17798), (722, 17882), (735, 17900), (745, 17915), (761, 17963), (765, 17978), (786, 18041), (801, 18098), (813, 18137), (831, 18179), (862, 18230), (889, 18326), (910, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for BabeRuth_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512,

15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 134

Candidate Starts for BaboJay_23:

(Start: 134 @19296 has 130 MA's), (Start: 196 @19380 has 48 MA's), (Start: 246 @19458 has 1 MA's), (280, 19545), (286, 19560), (305, 19608), (320, 19647), (361, 19734), (377, 19767), (394, 19803), (402, 19833), (405, 19839), (458, 19908), (477, 19938), (481, 19950), (482, 19953), (512, 20010), (575, 20142), (578, 20148), (602, 20214), (604, 20220), (612, 20244), (628, 20292), (642, 20316), (647, 20325), (672, 20400), (721, 20451), (726, 20466), (786, 20628), (792, 20655), (801, 20685), (843, 20790), (879, 20868), (886, 20904), (889, 20913), (899, 20946), (906, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 137

Candidate Starts for Babsiella_19:

(Start: 137 @16430 has 56 MA's), (Start: 214 @16529 has 22 MA's), (219, 16538), (254, 16604), (264, 16628), (284, 16688), (286, 16691), (297, 16718), (376, 16898), (388, 16922), (394, 16934), (401, 16958), (475, 17084), (480, 17099), (483, 17108), (506, 17144), (512, 17162), (531, 17222), (618, 17414), (624, 17423), (628, 17432), (642, 17456), (721, 17600), (741, 17645), (777, 17747), (779, 17756), (784, 17774), (785, 17777), (835, 17936), (846, 17954), (859, 17990), (862, 18005), (879, 18053), (896, 18122),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 149

Candidate Starts for Baby16_27:

(Start: 128 @19812 has 37 MA's), (Start: 149 @19836 has 636 MA's), (Start: 195 @19893 has 1 MA's), (Start: 233 @19947 has 2 MA's), (238, 19962), (Start: 246 @19980 has 1 MA's), (280, 20064), (284, 20076), (285, 20079), (315, 20154), (319, 20169), (336, 20208), (389, 20325), (428, 20412), (472, 20493), (499, 20541), (510, 20565), (542, 20652), (560, 20697), (594, 20769), (601, 20790), (609, 20808), (653, 20889), (684, 20982), (686, 20991), (692, 21015), (697, 21021), (702, 21045), (731, 21099), (744, 21120), (761, 21171), (770, 21195), (786, 21249), (813, 21345), (859, 21450), (862, 21465), (893, 21573), (899, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 128

Candidate Starts for BabyBack_30:

(Start: 128 @21767 has 37 MA's), (Start: 149 @21791 has 636 MA's), (284, 22025), (285, 22028), (315, 22103), (321, 22121), (339, 22163), (389, 22274), (405, 22319), (428, 22361), (472, 22442), (476, 22445), (542, 22601), (553, 22631), (593, 22715), (594, 22718), (653, 22838), (692, 22964), (697, 22970), (718, 23018), (738, 23060), (744, 23069), (753, 23096), (761, 23120), (764, 23132), (785, 23195), (786, 23198), (788, 23210), (813, 23294), (859, 23399), (861, 23405), (864, 23423), (876, 23459), (899, 23540),

Gene: BabyJohn_26 Start: 20176, Stop: 21975, Start Num: 149

Candidate Starts for BabyJohn_26:

(Start: 149 @20176 has 636 MA's), (Start: 195 @20236 has 1 MA's), (238, 20305), (280, 20407), (284, 20419), (285, 20422), (315, 20497), (319, 20512), (321, 20515), (336, 20551), (397, 20686), (428, 20755), (487, 20869), (542, 20995), (593, 21109), (594, 21112), (601, 21133), (609, 21151), (653, 21232), (679, 21307), (684, 21325), (686, 21334), (692, 21358), (697, 21364), (700, 21379), (712, 21412), (730, 21457), (731, 21460), (744, 21481), (747, 21493), (813, 21706), (826, 21730), (859, 21811), (861, 21817), (891, 21928), (899, 21952),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 174

Candidate Starts for BabyMoney_21:

(69, 17810), (Start: 91 @17870 has 1 MA's), (148, 17963), (Start: 174 @17999 has 9 MA's), (Start: 181 @18011 has 3 MA's), (251, 18125), (253, 18131), (272, 18179), (281, 18209), (308, 18275), (310, 18281), (359, 18392), (363, 18401), (375, 18428), (380, 18437), (390, 18458), (480, 18629), (481, 18632), (514, 18698), (518, 18713), (555, 18797), (567, 18806), (587, 18848), (593, 18869), (610, 18917), (613, 18929), (620, 18956), (650, 19025), (676, 19094), (718, 19127), (744, 19184), (762, 19235), (783, 19304), (808, 19391), (813, 19406), (837, 19463), (843, 19472), (877, 19550), (880, 19556),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 149

Candidate Starts for BabyRay_27:

(Start: 149 @20152 has 636 MA's), (Start: 195 @20212 has 1 MA's), (238, 20281), (280, 20383), (284, 20395), (285, 20398), (315, 20473), (319, 20488), (321, 20491), (336, 20527), (397, 20662), (428, 20731), (487, 20845), (542, 20971), (593, 21085), (594, 21088), (601, 21109), (609, 21127), (653, 21208), (679, 21283), (684, 21301), (686, 21310), (692, 21334), (697, 21340), (700, 21355), (712, 21388), (730, 21433), (731, 21436), (744, 21457), (747, 21469), (813, 21682), (826, 21706), (859, 21787), (861, 21793), (879, 21853), (899, 21928),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 150

Candidate Starts for Bachita_50:

(Start: 150 @30042 has 17 MA's), (192, 30102), (Start: 214 @30135 has 22 MA's), (234, 30168), (283, 30294), (294, 30327), (299, 30336), (353, 30465), (375, 30513), (512, 30726), (514, 30732), (521, 30756), (587, 30885), (593, 30906), (604, 30939), (672, 31137), (763, 31290), (792, 31389), (795, 31401), (798, 31410), (829, 31494), (887, 31641), (897, 31677), (901, 31689),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 149

Candidate Starts for Bachome_28:

(98, 20680), (Start: 128 @20722 has 37 MA's), (Start: 149 @20746 has 636 MA's), (188, 20788), (Start: 246 @20884 has 1 MA's), (255, 20899), (284, 20980), (285, 20983), (315, 21058), (319, 21073), (336, 21112), (339, 21118), (389, 21229), (393, 21235), (428, 21316), (476, 21400), (526, 21526), (546, 21562), (609, 21712), (648, 21778), (652, 21790), (653, 21793), (712, 21982), (721, 22009), (736, 22039), (738, 22042), (747, 22063), (753, 22078), (761, 22102), (785, 22177), (788, 22192), (813, 22276), (859, 22381), (861, 22387), (876, 22441), (907, 22540),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 146

Candidate Starts for BackstagePass_19:

(78, 16648), (119, 16732), (Start: 146 @16768 has 12 MA's), (Start: 233 @16888 has 2 MA's), (280, 17005), (290, 17038), (319, 17122), (405, 17323), (427, 17365), (453, 17401), (467, 17431), (475, 17455), (494, 17497), (509, 17524), (547, 17581), (550, 17587), (589, 17674), (707, 17968), (738, 18034), (748, 18058), (755, 18076), (795, 18172), (801, 18190), (863, 18349), (887, 18436), (895, 18463),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 149

Candidate Starts for Backyardigan_27:

(Start: 128 @19811 has 37 MA's), (Start: 149 @19835 has 636 MA's), (Start: 153 @19841 has 10 MA's), (Start: 195 @19895 has 1 MA's), (238, 19964), (273, 20042), (280, 20066), (285, 20081), (302, 20117), (315, 20156), (319, 20171), (336, 20210), (378, 20303), (389, 20327), (428, 20414), (487, 20528), (510, 20567), (542, 20654), (560, 20699), (593, 20768), (601, 20792), (606, 20804), (653, 20891), (679, 20966), (684, 20984), (686, 20993), (692, 21017), (697, 21023), (700, 21038), (712, 21071), (730, 21116), (731, 21119), (744, 21140), (813, 21365), (849, 21443), (859, 21470), (861, 21476), (899, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 151

Candidate Starts for BaconJack_29:

(Start: 151 @21344 has 225 MA's), (Start: 167 @21365 has 5 MA's), (Start: 195 @21407 has 1 MA's), (228, 21452), (315, 21668), (333, 21713), (336, 21722), (353, 21761), (377, 21812), (378, 21815), (476, 22010), (510, 22079), (593, 22280), (594, 22283), (601, 22304), (652, 22400), (653, 22403), (655, 22409), (679, 22478), (684, 22496), (686, 22505), (697, 22535), (731, 22631), (747, 22664), (753, 22679), (795, 22820), (813, 22877), (861, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 149

Candidate Starts for Bactobuster_29:

(Start: 128 @21760 has 37 MA's), (Start: 149 @21784 has 636 MA's), (245, 21919), (255, 21937), (284, 22018), (285, 22021), (314, 22093), (315, 22096), (361, 22207), (373, 22234), (389, 22267), (405, 22312), (428, 22354), (476, 22438), (542, 22594), (554, 22627), (648, 22816), (653, 22831), (692, 22957), (697, 22963), (747, 23074), (753, 23089), (755, 23095), (761, 23113), (774, 23149), (785, 23188), (788, 23203), (859, 23392), (861, 23398), (864, 23416), (872, 23443),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 134

Candidate Starts for BadStone_23:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 102

Candidate Starts for Baddon_34:

(Start: 102 @30732 has 86 MA's), (Start: 126 @30768 has 1 MA's), (223, 30897), (231, 30906), (272, 31002), (275, 31011), (297, 31080), (315, 31131), (317, 31140), (333, 31176), (339, 31191), (345, 31209), (377, 31272), (397, 31317), (399, 31326), (467, 31446), (472, 31461), (480, 31485), (496, 31515), (609, 31737), (616, 31755), (620, 31770), (652, 31812), (653, 31815), (660, 31842), (703, 31962), (736, 32025), (795, 32166), (796, 32169), (811, 32217), (824, 32244), (833, 32271), (859, 32325), (865, 32352),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 149

Candidate Starts for Badger_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 153 @19830 has 10 MA's), (Start: 195 @19884 has 1 MA's), (238, 19953), (273, 20031), (280, 20055), (285, 20070), (302, 20106), (315, 20145), (319, 20160), (336, 20199), (378, 20292), (389, 20316), (428, 20403), (487, 20517), (510, 20556), (542, 20643), (560, 20688), (593, 20757), (601, 20781), (606, 20793), (653, 20880), (679, 20955), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (700, 21027), (712, 21060), (730, 21105), (731, 21108), (744, 21129), (813, 21354), (849, 21432), (859, 21459), (861, 21465), (899, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 149

Candidate Starts for Baehexic_29:

(Start: 128 @20651 has 37 MA's), (Start: 149 @20675 has 636 MA's), (245, 20810), (284, 20909), (285, 20912), (314, 20984), (315, 20987), (336, 21041), (339, 21047), (366, 21110), (389, 21158), (428, 21245), (472, 21326), (476, 21329), (487, 21359), (542, 21485), (553, 21515), (594, 21602), (653, 21722), (691, 21845), (692, 21848), (697, 21854), (718, 21902), (747, 21965), (753, 21980), (755, 21986), (774, 22040), (785, 22079), (788, 22094), (797, 22127), (811, 22172), (859, 22283), (861, 22289), (876, 22343),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for BaghaKamala_23:

(Start: 118 @17117 has 152 MA's), (143, 17147), (Start: 246 @17306 has 1 MA's), (262, 17339), (273, 17369), (283, 17402), (288, 17414), (317, 17504), (335, 17546), (365, 17618), (369, 17627), (389, 17666), (405, 17711), (412, 17732), (413, 17735), (445, 17789), (459, 17807), (475, 17849), (477, 17855), (487, 17882), (574, 18020), (582, 18038), (597, 18080), (603, 18098), (614, 18128), (628, 18155), (669, 18260), (749, 18419), (762, 18455), (773, 18485), (776, 18494), (795, 18569), (811, 18620), (889, 18815), (900, 18854), (901, 18857), (910, 18875),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 102

Candidate Starts for Bakery_32:

(85, 25726), (94, 25756), (Start: 102 @25768 has 86 MA's), (Start: 126 @25804 has 1 MA's), (Start: 146 @25828 has 12 MA's), (Start: 153 @25837 has 10 MA's), (253, 25993), (254, 25996), (274, 26047), (275, 26050), (284, 26080), (297, 26119), (315, 26170), (317, 26179), (332, 26212), (399, 26365), (416, 26404), (453, 26455), (460, 26467), (467, 26485), (471, 26497), (475, 26509), (480, 26524), (496, 26554), (499, 26557), (509, 26578), (579, 26698), (620, 26809), (649, 26842), (663, 26884), (686, 26956), (715, 27022), (795, 27205), (796, 27208), (811, 27256), (824, 27283), (833, 27310), (859, 27364), (890, 27481), (896, 27502), (907, 27529),

Gene: Balloona_17 Start: 15421, Stop: 17115, Start Num: 149

Candidate Starts for Balloona_17:

(Start: 139 @15418 has 9 MA's), (Start: 149 @15421 has 636 MA's), (226, 15520), (Start: 246 @15562 has 1 MA's), (335, 15802), (373, 15889), (384, 15910), (388, 15919), (398, 15946), (408, 15976), (416, 15991), (441, 16024), (451, 16039), (463, 16063), (475, 16096), (487, 16129), (496, 16141), (518, 16198), (553, 16246), (569, 16276), (584, 16306), (590, 16321), (606, 16369), (634, 16420), (653, 16456), (657, 16471), (664, 16489), (684, 16546), (748, 16675), (753, 16687), (781, 16735), (794, 16786), (795, 16789), (801, 16807), (830, 16885), (842, 16912), (861, 16954), (901, 17101), (906, 17107),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 134

Candidate Starts for Balomoji_23:

(Start: 134 @19479 has 130 MA's), (Start: 196 @19563 has 48 MA's), (Start: 246 @19641 has 1 MA's), (280, 19728), (286, 19743), (305, 19791), (320, 19830), (361, 19917), (377, 19950), (394, 19986), (402, 20016), (405, 20022), (458, 20091), (477, 20121), (481, 20133), (482, 20136), (512, 20193), (575, 20325), (578, 20331), (602, 20397), (604, 20403), (612, 20427), (628, 20475), (642, 20499), (647, 20508), (672, 20583), (721, 20634), (726, 20649), (786, 20811), (792, 20838), (801, 20868), (843, 20973), (879, 21051), (886, 21087), (889, 21096), (899, 21129), (906, 21144),

Gene: BananenDer11_21 Start: 17552, Stop: 19324, Start Num: 121

Candidate Starts for BananenDer11_21:

(Start: 121 @17552 has 18 MA's), (124, 17558), (Start: 145 @17582 has 2 MA's), (Start: 171 @17615 has 8 MA's), (205, 17663), (238, 17717), (262, 17768), (283, 17831), (319, 17939), (365, 18047), (412, 18161), (413, 18164), (428, 18203), (445, 18218), (455, 18230), (459, 18236), (473, 18272), (475, 18278), (477, 18284), (496, 18323), (509, 18347), (574, 18449), (598, 18512), (669, 18692), (718, 18791), (753, 18869), (761, 18893), (763, 18899), (775, 18932), (795, 19010), (797, 19016), (864, 19169), (894, 19274), (895, 19277), (900, 19295),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 149

Candidate Starts for BangNhom_27:

(Start: 128 @20114 has 37 MA's), (Start: 149 @20138 has 636 MA's), (Start: 153 @20144 has 10 MA's), (Start: 195 @20198 has 1 MA's), (205, 20213), (238, 20267), (Start: 246 @20285 has 1 MA's), (280, 20369), (284, 20381), (285, 20384), (315, 20459), (319, 20474), (336, 20513), (389, 20630), (428, 20717), (472, 20798), (499, 20846), (510, 20870), (542, 20957), (560, 21002), (594, 21074), (601, 21095), (609, 21113), (653, 21194), (679, 21269), (684, 21287), (686, 21296), (692, 21320), (697, 21326), (702, 21350), (726, 21392), (731, 21404), (744, 21425), (761, 21476), (770, 21500),

(786, 21554), (813, 21650), (859, 21755), (862, 21770), (893, 21878), (899, 21896),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 152

Candidate Starts for Bantam_30:

(76, 26973), (Start: 152 @27105 has 5 MA's), (192, 27162), (272, 27315), (297, 27390), (353, 27522), (375, 27570), (408, 27654), (482, 27816), (483, 27819), (509, 27861), (512, 27873), (514, 27879), (535, 27939), (539, 27945), (597, 28065), (609, 28098), (622, 28146), (672, 28272), (726, 28338), (792, 28524), (795, 28536), (824, 28614), (848, 28668), (911, 28860),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 102

Candidate Starts for Barb_33:

(85, 26533), (Start: 102 @26575 has 86 MA's), (Start: 126 @26611 has 1 MA's), (Start: 153 @26644 has 10 MA's), (274, 26854), (275, 26857), (284, 26887), (307, 26953), (315, 26977), (317, 26986), (332, 27019), (399, 27172), (416, 27211), (453, 27262), (460, 27274), (467, 27292), (471, 27304), (475, 27316), (480, 27331), (496, 27361), (499, 27364), (509, 27385), (554, 27457), (579, 27505), (620, 27616), (649, 27649), (663, 27691), (686, 27763), (715, 27829), (719, 27841), (795, 28012), (796, 28015), (811, 28063), (824, 28090), (833, 28117), (859, 28171), (890, 28288), (896, 28309), (907, 28336),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 196

Candidate Starts for Barbarian_23:

(Start: 134 @18614 has 130 MA's), (Start: 196 @18698 has 48 MA's), (Start: 246 @18776 has 1 MA's), (280, 18863), (286, 18878), (305, 18926), (320, 18965), (361, 19052), (365, 19064), (377, 19085), (394, 19121), (402, 19151), (405, 19157), (458, 19226), (477, 19256), (481, 19268), (482, 19271), (512, 19328), (575, 19460), (578, 19466), (602, 19532), (604, 19538), (612, 19562), (628, 19610), (642, 19634), (647, 19643), (672, 19718), (721, 19769), (726, 19784), (786, 19946), (792, 19973), (801, 20003), (843, 20108), (879, 20186), (886, 20222), (889, 20231), (899, 20264), (906, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 215

Candidate Starts for Barco_19:

(187, 16614), (Start: 215 @16650 has 57 MA's), (266, 16752), (296, 16830), (298, 16833), (340, 16929), (357, 16968), (392, 17049), (410, 17103), (415, 17118), (512, 17289), (521, 17319), (604, 17502), (612, 17526), (613, 17529), (625, 17577), (659, 17670), (664, 17682), (682, 17727), (713, 17742), (762, 17874), (763, 17877), (792, 17976), (797, 17994), (813, 18045), (842, 18111), (871, 18174), (876, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 137

Candidate Starts for Barkley26_18:

(57, 16439), (Start: 111 @16643 has 26 MA's), (Start: 137 @16652 has 56 MA's), (143, 16658), (147, 16664), (205, 16742), (238, 16796), (262, 16847), (273, 16877), (280, 16901), (288, 16922), (315, 17003), (331, 17042), (333, 17048), (339, 17063), (358, 17108), (408, 17228), (429, 17285), (459, 17324), (475, 17366), (477, 17372), (487, 17399), (496, 17411), (532, 17492), (574, 17537), (593, 17585), (653, 17735), (662, 17765), (669, 17783), (679, 17810), (735, 17912), (745, 17927), (761, 17975), (765, 17990), (786, 18053), (801, 18110), (813, 18149), (831, 18191), (862, 18242), (889, 18338), (910, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 118

Candidate Starts for BarrelRoll_23:

(Start: 118 @17140 has 152 MA's), (143, 17170), (Start: 246 @17329 has 1 MA's), (262, 17362), (273, 17392), (283, 17425), (288, 17437), (317, 17527), (335, 17569), (365, 17641), (369, 17650), (389, 17689), (405, 17734), (412, 17755), (413, 17758), (445, 17812), (459, 17830), (475, 17872), (477, 17878), (487, 17905), (574, 18043), (582, 18061), (597, 18103), (603, 18121), (614, 18151), (628,

18178), (669, 18283), (749, 18442), (762, 18478), (773, 18508), (776, 18517), (795, 18592), (811, 18643), (889, 18838), (900, 18877), (901, 18880), (910, 18898),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 151

Candidate Starts for Barriga_27:

(Start: 151 @20952 has 225 MA's), (Start: 167 @20973 has 5 MA's), (Start: 195 @21015 has 1 MA's), (228, 21060), (315, 21276), (333, 21321), (336, 21330), (353, 21369), (377, 21420), (378, 21423), (476, 21618), (510, 21687), (527, 21747), (593, 21888), (594, 21891), (601, 21912), (652, 22008), (653, 22011), (655, 22017), (679, 22086), (684, 22104), (686, 22113), (697, 22143), (731, 22239), (747, 22272), (753, 22287), (795, 22428), (813, 22485), (861, 22596),

Gene: BarrowTuph_26 Start: 20973, Stop: 22775, Start Num: 151

Candidate Starts for BarrowTuph_26:

(Start: 151 @20973 has 225 MA's), (Start: 167 @20994 has 5 MA's), (Start: 195 @21036 has 1 MA's), (228, 21081), (315, 21297), (333, 21342), (336, 21351), (353, 21390), (377, 21441), (378, 21444), (476, 21639), (510, 21708), (593, 21909), (594, 21912), (601, 21933), (652, 22029), (653, 22032), (655, 22038), (679, 22107), (684, 22125), (686, 22134), (697, 22164), (731, 22260), (747, 22293), (753, 22308), (795, 22449), (813, 22506), (861, 22617),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 102

Candidate Starts for Barsten_35:

(94, 30265), (Start: 102 @30283 has 86 MA's), (Start: 126 @30319 has 1 MA's), (231, 30457), (272, 30553), (275, 30562), (297, 30631), (315, 30682), (333, 30727), (339, 30742), (377, 30823), (397, 30868), (399, 30877), (453, 30967), (467, 30997), (472, 31012), (480, 31036), (496, 31066), (558, 31171), (609, 31288), (616, 31306), (620, 31321), (648, 31351), (652, 31363), (653, 31366), (660, 31393), (795, 31717), (796, 31720), (811, 31768), (824, 31795), (833, 31822), (859, 31876), (865, 31903), (901, 32032),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Bartholomew_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Bartimeaus_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 196

Candidate Starts for Bask21_24:

(Start: 134 @18925 has 130 MA's), (Start: 196 @19009 has 48 MA's), (Start: 246 @19087 has 1 MA's), (280, 19174), (286, 19189), (305, 19237), (320, 19276), (361, 19363), (377, 19396), (394, 19432), (402, 19462), (405, 19468), (458, 19537), (477, 19567), (481, 19579), (482, 19582), (512,

19639), (575, 19771), (578, 19777), (602, 19843), (604, 19849), (612, 19873), (628, 19921), (642, 19945), (647, 19954), (672, 20029), (721, 20080), (726, 20095), (786, 20257), (792, 20284), (801, 20314), (843, 20419), (879, 20497), (886, 20533), (889, 20542), (899, 20575), (906, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for BatStarr_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Batiatus_16:

(Start: 129 @14857 has 222 MA's), (199, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (283, 15118), (286, 15124), (292, 15142), (305, 15172), (350, 15277), (379, 15337), (389, 15358), (394, 15367), (401, 15391), (415, 15433), (475, 15517), (480, 15532), (482, 15538), (504, 15574), (506, 15577), (511, 15589), (512, 15595), (526, 15643), (531, 15655), (535, 15661), (574, 15721), (579, 15733), (593, 15769), (597, 15781), (624, 15856), (628, 15865), (638, 15883), (642, 15889), (652, 15919), (718, 16024), (721, 16033), (722, 16036), (738, 16072), (766, 16150), (794, 16249), (801, 16270), (811, 16303), (826, 16333), (835, 16363), (841, 16372), (844, 16378), (859, 16393), (860, 16396), (865, 16420), (876, 16450), (881, 16462), (886, 16492), (899, 16534),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 149

Candidate Starts for Battleship_31:

(98, 19142), (Start: 128 @19184 has 37 MA's), (Start: 149 @19208 has 636 MA's), (Start: 246 @19346 has 1 MA's), (272, 19403), (285, 19445), (302, 19481), (315, 19520), (343, 19589), (353, 19613), (378, 19667), (455, 19817), (476, 19862), (487, 19892), (509, 19928), (524, 19979), (540, 20015), (560, 20063), (590, 20123), (652, 20252), (679, 20330), (753, 20531), (755, 20537), (786, 20633), (845, 20798), (879, 20897),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 102

Candidate Starts for Baumdotcom_34:

(Start: 102 @29556 has 86 MA's), (Start: 126 @29592 has 1 MA's), (223, 29721), (231, 29730), (272, 29826), (275, 29835), (297, 29904), (315, 29955), (317, 29964), (333, 30000), (339, 30015), (345, 30033), (377, 30096), (397, 30141), (399, 30150), (463, 30261), (467, 30270), (472, 30285), (480, 30309), (496, 30339), (609, 30561), (616, 30579), (620, 30594), (652, 30636), (653, 30639), (660, 30666), (703, 30786), (736, 30849), (795, 30990), (796, 30993), (811, 31041), (824, 31068), (833, 31095), (859, 31149), (865, 31176), (890, 31266), (907, 31314),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 149

Candidate Starts for Bavilard_18:

(Start: 139 @16204 has 9 MA's), (Start: 149 @16207 has 636 MA's), (226, 16306), (Start: 246 @16348 has 1 MA's), (335, 16588), (373, 16675), (384, 16696), (388, 16705), (398, 16732), (416, 16777), (441, 16810), (451, 16825), (463, 16849), (475, 16882), (487, 16915), (496, 16927), (518, 16984), (548, 17014), (553, 17032), (569, 17062), (584, 17092), (606, 17155), (634, 17206), (653, 17242), (657, 17257), (664, 17275), (684, 17332), (686, 17341), (748, 17461), (753, 17473), (781, 17521), (794, 17572), (795, 17575), (801, 17593), (830, 17671), (842, 17698), (861, 17740), (901, 17887), (906, 17893),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 178

Candidate Starts for BaxterFox_18:

(Start: 178 @17103 has 57 MA's), (308, 17361), (315, 17379), (316, 17382), (338, 17436), (372, 17511), (398, 17580), (401, 17589), (405, 17601), (409, 17613), (423, 17652), (437, 17679), (444,

17688), (445, 17691), (510, 17724), (526, 17781), (568, 17847), (617, 17958), (653, 18018), (685, 18120), (730, 18177), (766, 18267), (849, 18507), (873, 18585),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 129

Candidate Starts for Beakin_17:

(Start: 129 @14663 has 222 MA's), (199, 14750), (Start: 233 @14795 has 2 MA's), (242, 14819), (283, 14924), (286, 14930), (292, 14948), (305, 14978), (350, 15083), (379, 15143), (389, 15164), (394, 15173), (399, 15191), (401, 15197), (453, 15272), (475, 15323), (480, 15338), (482, 15344), (504, 15380), (506, 15383), (511, 15395), (512, 15401), (526, 15449), (531, 15461), (535, 15467), (574, 15527), (579, 15539), (593, 15575), (597, 15587), (624, 15662), (628, 15671), (638, 15689), (642, 15695), (652, 15725), (718, 15830), (721, 15839), (722, 15842), (738, 15878), (766, 15956), (794, 16055), (801, 16076), (811, 16109), (826, 16139), (835, 16169), (841, 16178), (844, 16184), (859, 16199), (860, 16202), (865, 16226), (876, 16256), (881, 16268), (886, 16298), (899, 16340),

Gene: Beanstalk_18 Start: 14807, Stop: 16516, Start Num: 129

Candidate Starts for Beanstalk_18:

(Start: 129 @14807 has 222 MA's), (199, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (253, 14984), (283, 15068), (286, 15074), (292, 15092), (305, 15122), (350, 15227), (379, 15287), (389, 15308), (394, 15317), (401, 15341), (475, 15467), (480, 15482), (482, 15488), (504, 15524), (506, 15527), (511, 15539), (512, 15545), (526, 15593), (531, 15605), (535, 15611), (574, 15671), (579, 15683), (593, 15719), (597, 15731), (624, 15806), (628, 15815), (642, 15839), (652, 15869), (718, 15974), (722, 15986), (738, 16022), (753, 16058), (754, 16061), (766, 16100), (794, 16199), (801, 16220), (811, 16253), (826, 16283), (835, 16313), (841, 16322), (844, 16328), (859, 16343), (860, 16346), (864, 16367), (865, 16370), (881, 16412), (886, 16442), (899, 16484), (900, 16490),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 117

Candidate Starts for BearBQ_19:

(Start: 117 @17400 has 26 MA's), (Start: 123 @17412 has 8 MA's), (Start: 126 @17415 has 1 MA's), (202, 17517), (228, 17553), (257, 17619), (301, 17712), (317, 17763), (321, 17772), (330, 17790), (347, 17832), (353, 17838), (363, 17862), (364, 17868), (373, 17886), (397, 17937), (398, 17943), (408, 17973), (437, 18015), (457, 18042), (467, 18066), (487, 18117), (489, 18120), (508, 18150), (589, 18300), (660, 18462), (684, 18528), (686, 18537), (689, 18549), (691, 18558), (740, 18651), (748, 18672), (753, 18684), (755, 18690), (758, 18699), (760, 18702), (787, 18756), (795, 18786), (818, 18855), (859, 18942), (861, 18948), (875, 18999), (899, 19086), (907, 19104),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 151

Candidate Starts for Beatrix_27:

(Start: 151 @22534 has 225 MA's), (Start: 167 @22555 has 5 MA's), (Start: 195 @22597 has 1 MA's), (228, 22642), (315, 22858), (333, 22903), (336, 22912), (353, 22951), (377, 23002), (378, 23005), (476, 23200), (510, 23269), (593, 23470), (594, 23473), (601, 23494), (652, 23590), (653, 23593), (655, 23599), (679, 23668), (684, 23686), (686, 23695), (697, 23725), (731, 23821), (747, 23854), (753, 23869), (795, 24010), (813, 24067), (861, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for Beauxregard13_29:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 196

Candidate Starts for Becksu_24:

(Start: 134 @19929 has 130 MA's), (Start: 196 @20013 has 48 MA's), (Start: 246 @20091 has 1 MA's), (280, 20178), (286, 20193), (305, 20241), (320, 20280), (361, 20367), (377, 20400), (394, 20436), (402, 20466), (405, 20472), (458, 20541), (477, 20571), (481, 20583), (482, 20586), (512, 20643), (575, 20775), (578, 20781), (602, 20847), (604, 20853), (612, 20877), (628, 20925), (642, 20949), (647, 20958), (672, 21033), (721, 21084), (726, 21099), (786, 21261), (792, 21288), (801, 21318), (843, 21423), (879, 21501), (886, 21537), (889, 21546), (899, 21579), (906, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 117

Candidate Starts for BeeGee_20:

(Start: 100 @17506 has 1 MA's), (Start: 117 @17530 has 26 MA's), (197, 17635), (230, 17677), (265, 17752), (313, 17866), (373, 18013), (377, 18019), (397, 18064), (470, 18202), (508, 18277), (652, 18559), (658, 18580), (684, 18655), (719, 18742), (740, 18778), (753, 18811), (755, 18817), (787, 18883), (795, 18913), (859, 19069), (861, 19075), (864, 19093), (896, 19204),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 149

Candidate Starts for Beemo_30:

(Start: 146 @21780 has 12 MA's), (Start: 149 @21783 has 636 MA's), (284, 22017), (285, 22020), (314, 22092), (315, 22095), (319, 22110), (336, 22149), (339, 22155), (389, 22266), (428, 22353), (472, 22434), (476, 22437), (553, 22623), (587, 22686), (594, 22710), (596, 22716), (609, 22749), (653, 22830), (692, 22956), (705, 22998), (731, 23058), (747, 23091), (753, 23106), (785, 23205), (786, 23208), (788, 23220), (813, 23304), (842, 23370), (859, 23409), (861, 23415), (872, 23460), (889, 23517), (890, 23520),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 178

Candidate Starts for Beenie_20:

(96, 17586), (Start: 178 @17703 has 57 MA's), (308, 17961), (316, 17982), (338, 18036), (356, 18075), (378, 18132), (388, 18153), (510, 18324), (515, 18342), (522, 18366), (528, 18387), (568, 18429), (602, 18510), (653, 18600), (667, 18645), (685, 18702), (686, 18705), (730, 18759), (766, 18849), (862, 19128), (864, 19137), (873, 19167),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 151

Candidate Starts for BeesKnees_28:

(Start: 151 @21151 has 225 MA's), (Start: 167 @21172 has 5 MA's), (Start: 195 @21214 has 1 MA's), (228, 21259), (315, 21475), (333, 21520), (336, 21529), (353, 21568), (377, 21619), (378, 21622), (476, 21817), (510, 21886), (593, 22087), (594, 22090), (601, 22111), (652, 22207), (653, 22210), (655, 22216), (679, 22285), (684, 22303), (686, 22312), (697, 22342), (731, 22438), (747, 22471), (753, 22486), (795, 22627), (813, 22684), (861, 22795),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 118

Candidate Starts for Beezoo_23:

(Start: 118 @17164 has 152 MA's), (143, 17194), (Start: 246 @17353 has 1 MA's), (262, 17386), (273, 17416), (283, 17449), (288, 17461), (317, 17551), (335, 17593), (365, 17665), (369, 17674), (389, 17713), (405, 17758), (412, 17779), (413, 17782), (445, 17836), (459, 17854), (475, 17896), (477, 17902), (487, 17929), (574, 18067), (582, 18085), (597, 18127), (603, 18145), (614, 18175), (628, 18202), (669, 18307), (749, 18466), (762, 18502), (776, 18541), (795, 18616), (811, 18667), (889, 18862), (900, 18901), (901, 18904), (910, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 215

Candidate Starts for Begonia_20:

(187, 17092), (Start: 215 @17128 has 57 MA's), (266, 17230), (296, 17308), (340, 17407), (357, 17446), (392, 17527), (410, 17581), (415, 17596), (512, 17767), (521, 17797), (604, 17980), (612, 18004), (625, 18055), (659, 18148), (664, 18160), (682, 18205), (713, 18220), (762, 18352), (763,

18355), (792, 18454), (797, 18472), (813, 18523), (842, 18589), (871, 18652), (876, 18664),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Belenaria_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 118

Candidate Starts for Bella96_23:

(Start: 118 @17084 has 152 MA's), (143, 17114), (Start: 246 @17273 has 1 MA's), (262, 17306), (273, 17336), (283, 17369), (288, 17381), (317, 17471), (335, 17513), (365, 17585), (369, 17594), (389, 17633), (405, 17678), (413, 17702), (459, 17774), (475, 17816), (477, 17822), (487, 17849), (574, 17987), (582, 18005), (597, 18047), (603, 18065), (614, 18095), (628, 18122), (669, 18227), (715, 18317), (762, 18422), (773, 18452), (776, 18461), (795, 18536), (811, 18587), (889, 18782), (900, 18821), (901, 18824), (910, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Belladonna_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Bellris_26 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for Bellris_26:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (228, 19702), (231, 19705), (274, 19807), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (336, 19972), (339, 19978), (377, 20062), (389, 20089), (393, 20095), (395, 20101), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (553, 20446), (587, 20509), (594, 20533), (606, 20566), (609, 20572), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (842, 21193), (859, 21232), (861, 21238), (872, 21283),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for BellusTerra_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 214

Candidate Starts for Belphegor_33:

(Start: 175 @29961 has 1 MA's), (Start: 214 @30018 has 22 MA's), (222, 30030), (240, 30063), (263, 30114), (305, 30231), (310, 30243), (321, 30273), (344, 30318), (365, 30369), (385, 30408), (483, 30615), (502, 30645), (508, 30654), (518, 30690), (545, 30750), (574, 30798), (578, 30807), (601, 30870), (614, 30906), (616, 30915), (633, 30945), (649, 30984), (678, 31071), (679, 31074), (740,

31152), (762, 31212), (777, 31257), (797, 31338), (815, 31392), (862, 31488), (889, 31584), (899, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 196

Candidate Starts for Bench_26:

(Start: 134 @19606 has 130 MA's), (Start: 196 @19690 has 48 MA's), (Start: 246 @19768 has 1 MA's), (280, 19855), (286, 19870), (305, 19918), (320, 19957), (361, 20044), (377, 20077), (394, 20113), (402, 20143), (405, 20149), (458, 20218), (477, 20248), (481, 20260), (482, 20263), (512, 20320), (575, 20452), (578, 20458), (602, 20524), (604, 20530), (612, 20554), (628, 20602), (642, 20626), (647, 20635), (672, 20710), (721, 20761), (726, 20776), (786, 20938), (792, 20965), (801, 20995), (843, 21100), (879, 21178), (886, 21214), (889, 21223), (899, 21256), (906, 21271),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 149

Candidate Starts for Benedict_24:

(Start: 149 @18978 has 636 MA's), (285, 19215), (315, 19290), (319, 19305), (335, 19341), (366, 19413), (373, 19428), (389, 19461), (393, 19467), (487, 19662), (506, 19692), (509, 19698), (542, 19788), (560, 19833), (593, 19902), (609, 19944), (615, 19962), (652, 20022), (653, 20025), (684, 20118), (730, 20259), (747, 20295), (858, 20610), (861, 20619), (899, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 149

Candidate Starts for BengiVuitton_29:

(Start: 128 @20596 has 37 MA's), (Start: 149 @20620 has 636 MA's), (231, 20719), (284, 20854), (285, 20857), (314, 20929), (315, 20932), (336, 20986), (339, 20992), (353, 21025), (373, 21070), (389, 21103), (428, 21190), (472, 21271), (476, 21274), (496, 21316), (553, 21460), (594, 21547), (648, 21652), (653, 21667), (692, 21793), (697, 21799), (718, 21847), (753, 21925), (755, 21931), (774, 21985), (785, 22024), (788, 22039), (813, 22123), (861, 22234),

Gene: BennyP_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for BennyP_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (405, 20504), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 149

Candidate Starts for Benvolio_28:

(Start: 128 @20268 has 37 MA's), (Start: 149 @20292 has 636 MA's), (231, 20391), (265, 20475), (284, 20526), (285, 20529), (314, 20601), (315, 20604), (336, 20658), (353, 20697), (389, 20775), (428, 20862), (472, 20943), (476, 20946), (594, 21219), (653, 21339), (692, 21465), (697, 21471), (718, 21519), (747, 21582), (753, 21597), (755, 21603), (774, 21657), (785, 21696), (788, 21711), (813, 21795), (861, 21906),

Gene: Bern_23 Start: 17112, Stop: 18878, Start Num: 118

Candidate Starts for Bern_23:

(Start: 118 @17112 has 152 MA's), (143, 17142), (Start: 246 @17301 has 1 MA's), (262, 17334), (273, 17364), (283, 17397), (288, 17409), (317, 17499), (335, 17541), (365, 17613), (369, 17622), (389, 17661), (405, 17706), (408, 17715), (413, 17730), (459, 17802), (475, 17844), (477, 17850), (487, 17877), (574, 18015), (582, 18033), (597, 18075), (603, 18093), (614, 18123), (628, 18150), (669, 18255), (762, 18450), (773, 18480), (776, 18489), (795, 18564), (811, 18615), (862, 18714), (879, 18765), (889, 18810), (900, 18849), (901, 18852), (910, 18870),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 151

Candidate Starts for Bethlehem_27:

(Start: 151 @22379 has 225 MA's), (Start: 167 @22400 has 5 MA's), (Start: 195 @22442 has 1 MA's), (228, 22487), (315, 22703), (333, 22748), (336, 22757), (377, 22847), (378, 22850), (416, 22943), (476, 23045), (510, 23114), (589, 23303), (593, 23315), (594, 23318), (601, 23339), (652, 23435), (653, 23438), (655, 23444), (679, 23513), (684, 23531), (686, 23540), (697, 23570), (731, 23666), (747, 23699), (753, 23714), (795, 23855), (813, 23912), (861, 24023),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 168

Candidate Starts for BetterKatz_22:

(103, 17528), (Start: 168 @17603 has 17 MA's), (Start: 233 @17696 has 2 MA's), (238, 17711), (241, 17717), (273, 17792), (295, 17864), (334, 17975), (354, 18020), (361, 18038), (365, 18050), (455, 18221), (460, 18230), (463, 18236), (475, 18269), (506, 18332), (523, 18383), (557, 18407), (573, 18431), (601, 18506), (614, 18545), (667, 18677), (721, 18791), (761, 18878), (794, 18992), (797, 19001), (835, 19106), (877, 19193), (910, 19301),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 151

Candidate Starts for Bexan_26:

(Start: 151 @22101 has 225 MA's), (Start: 167 @22122 has 5 MA's), (Start: 195 @22164 has 1 MA's), (228, 22209), (315, 22425), (333, 22470), (336, 22479), (353, 22518), (377, 22569), (378, 22572), (476, 22767), (510, 22836), (593, 23037), (594, 23040), (601, 23061), (652, 23157), (653, 23160), (655, 23166), (679, 23235), (684, 23253), (686, 23262), (697, 23292), (731, 23388), (747, 23421), (753, 23436), (763, 23466), (795, 23577), (813, 23634), (861, 23745),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 122

Candidate Starts for Bhagsy_19:

(Start: 107 @16368 has 2 MA's), (Start: 122 @16392 has 48 MA's), (Start: 170 @16452 has 41 MA's), (183, 16473), (185, 16476), (260, 16596), (274, 16635), (284, 16668), (294, 16692), (344, 16812), (361, 16851), (363, 16857), (399, 16941), (401, 16947), (405, 16959), (413, 16983), (442, 17010), (458, 17028), (473, 17067), (475, 17073), (483, 17097), (512, 17151), (516, 17163), (518, 17172), (545, 17232), (583, 17310), (597, 17349), (609, 17382), (628, 17448), (636, 17463), (642, 17472), (650, 17496), (660, 17526), (667, 17538), (733, 17640), (741, 17652), (744, 17655), (746, 17661), (748, 17670), (784, 17778), (807, 17862), (852, 17961), (889, 18069), (906, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 178

Candidate Starts for BiPauneto_44:

(Start: 170 @29566 has 41 MA's), (Start: 176 @29575 has 1 MA's), (Start: 178 @29578 has 57 MA's), (Start: 200 @29602 has 1 MA's), (Start: 246 @29680 has 1 MA's), (315, 29863), (338, 29920), (343, 29932), (347, 29947), (381, 30013), (388, 30028), (399, 30052), (435, 30139), (438, 30145), (454, 30169), (501, 30229), (513, 30259), (519, 30280), (576, 30385), (587, 30406), (626, 30493), (652, 30541), (717, 30667), (731, 30703), (794, 30868), (800, 30886), (811, 30922), (884, 31096), (886, 31108), (905, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 178

Candidate Starts for Bialota_19:

(Start: 178 @17776 has 57 MA's), (304, 18025), (308, 18034), (315, 18052), (316, 18055), (338, 18109), (372, 18184), (398, 18253), (401, 18262), (405, 18274), (409, 18286), (423, 18325), (437, 18352), (444, 18361), (445, 18364), (510, 18397), (526, 18454), (568, 18520), (617, 18631), (653, 18691), (685, 18793), (730, 18850), (766, 18940), (849, 19180), (873, 19258),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 149

Candidate Starts for BiancaTri92_30:

(Start: 128 @21949 has 37 MA's), (Start: 149 @21973 has 636 MA's), (245, 22108), (255, 22126), (284, 22207), (285, 22210), (314, 22282), (315, 22285), (336, 22339), (373, 22423), (389, 22456),

(401, 22489), (428, 22543), (465, 22603), (472, 22624), (476, 22627), (553, 22813), (594, 22900), (609, 22939), (653, 23020), (692, 23146), (697, 23152), (702, 23176), (718, 23200), (747, 23263), (753, 23278), (755, 23284), (774, 23338), (785, 23377), (788, 23392), (861, 23587),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 102

Candidate Starts for Bibwit_34:

(94, 30452), (Start: 102 @30470 has 86 MA's), (Start: 126 @30506 has 1 MA's), (231, 30644), (272, 30740), (275, 30749), (297, 30818), (315, 30869), (333, 30914), (339, 30929), (377, 31010), (397, 31055), (399, 31064), (453, 31154), (467, 31184), (472, 31199), (475, 31208), (480, 31223), (496, 31253), (609, 31475), (616, 31493), (620, 31508), (648, 31538), (652, 31550), (653, 31553), (660, 31580), (795, 31904), (796, 31907), (811, 31955), (824, 31982), (833, 32009), (859, 32063), (864, 32087), (865, 32090), (890, 32180), (907, 32228),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 151

Candidate Starts for Big3_27:

(Start: 151 @21732 has 225 MA's), (Start: 167 @21753 has 5 MA's), (Start: 195 @21795 has 1 MA's), (228, 21840), (315, 22056), (333, 22101), (336, 22110), (353, 22149), (377, 22200), (378, 22203), (476, 22398), (510, 22467), (593, 22668), (594, 22671), (601, 22692), (652, 22788), (653, 22791), (655, 22797), (679, 22866), (684, 22884), (686, 22893), (697, 22923), (731, 23019), (747, 23052), (753, 23067), (795, 23208), (813, 23265), (861, 23376),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 134

Candidate Starts for BigBubba_25:

(Start: 134 @19509 has 130 MA's), (Start: 196 @19593 has 48 MA's), (Start: 246 @19671 has 1 MA's), (280, 19758), (286, 19773), (305, 19821), (320, 19860), (361, 19947), (377, 19980), (394, 20016), (402, 20046), (405, 20052), (458, 20121), (477, 20151), (481, 20163), (482, 20166), (512, 20223), (575, 20355), (578, 20361), (602, 20427), (604, 20433), (612, 20457), (628, 20505), (642, 20529), (647, 20538), (672, 20613), (721, 20664), (726, 20679), (786, 20841), (792, 20868), (801, 20898), (843, 21003), (879, 21081), (886, 21117), (889, 21126), (899, 21159), (906, 21174),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 149

Candidate Starts for BigChungus_17:

(Start: 139 @15458 has 9 MA's), (Start: 149 @15461 has 636 MA's), (226, 15560), (Start: 246 @15602 has 1 MA's), (275, 15671), (335, 15842), (373, 15929), (384, 15950), (388, 15959), (398, 15986), (416, 16031), (441, 16064), (451, 16079), (463, 16103), (475, 16136), (487, 16169), (496, 16181), (518, 16238), (553, 16286), (569, 16316), (584, 16346), (606, 16409), (634, 16460), (653, 16496), (657, 16511), (664, 16529), (684, 16586), (686, 16595), (748, 16715), (753, 16727), (781, 16775), (794, 16826), (795, 16829), (801, 16847), (830, 16925), (835, 16940), (842, 16952), (861, 16994), (901, 17141), (906, 17147),

Gene: BigHunkinEater_38 Start: 29992, Stop: 31614, Start Num: 214

Candidate Starts for BigHunkinEater_38:

(Start: 214 @29992 has 22 MA's), (232, 30013), (237, 30025), (261, 30076), (281, 30139), (310, 30211), (346, 30298), (370, 30349), (385, 30379), (414, 30460), (428, 30487), (483, 30586), (502, 30616), (508, 30625), (517, 30658), (518, 30661), (519, 30664), (522, 30673), (545, 30721), (574, 30769), (578, 30778), (614, 30877), (633, 30916), (640, 30928), (679, 31045), (722, 31084), (740, 31123), (761, 31180), (775, 31219), (777, 31228), (790, 31285), (793, 31297), (811, 31354), (813, 31360), (824, 31381), (835, 31414), (862, 31459), (899, 31588), (901, 31597),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 151

Candidate Starts for BigMau_29:

(Start: 151 @21333 has 225 MA's), (Start: 167 @21354 has 5 MA's), (Start: 195 @21396 has 1 MA's), (228, 21441), (315, 21657), (333, 21702), (336, 21711), (353, 21750), (377, 21801), (378, 21804),

(476, 21999), (510, 22068), (593, 22269), (594, 22272), (601, 22293), (652, 22389), (653, 22392), (655, 22398), (679, 22467), (684, 22485), (686, 22494), (697, 22524), (731, 22620), (747, 22653), (753, 22668), (795, 22809), (813, 22866), (861, 22977),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 122

Candidate Starts for BigNuz_18:

(Start: 122 @16129 has 48 MA's), (185, 16213), (257, 16327), (260, 16333), (265, 16354), (274, 16372), (284, 16405), (294, 16429), (361, 16588), (363, 16594), (409, 16708), (458, 16765), (473, 16804), (475, 16810), (483, 16834), (512, 16888), (516, 16900), (518, 16909), (545, 16969), (569, 17014), (574, 17026), (583, 17047), (597, 17086), (609, 17119), (612, 17131), (628, 17185), (642, 17209), (650, 17233), (660, 17263), (667, 17275), (733, 17377), (741, 17389), (746, 17398), (748, 17407), (784, 17515), (807, 17599), (852, 17698), (876, 17755), (906, 17854),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 151

Candidate Starts for BigPaolini_28:

(Start: 151 @21730 has 225 MA's), (Start: 167 @21751 has 5 MA's), (Start: 195 @21793 has 1 MA's), (228, 21838), (315, 22054), (333, 22099), (336, 22108), (353, 22147), (377, 22198), (378, 22201), (476, 22396), (510, 22465), (593, 22666), (594, 22669), (601, 22690), (652, 22786), (653, 22789), (655, 22795), (679, 22864), (684, 22882), (686, 22891), (697, 22921), (731, 23017), (747, 23050), (753, 23065), (795, 23206), (813, 23263), (861, 23374), (907, 23527),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for BigPhil_17:

(Start: 129 @14635 has 222 MA's), (199, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (283, 14896), (286, 14902), (292, 14920), (305, 14950), (350, 15055), (379, 15115), (389, 15136), (394, 15145), (401, 15169), (453, 15244), (455, 15247), (475, 15295), (480, 15310), (482, 15316), (504, 15352), (506, 15355), (511, 15367), (512, 15373), (526, 15421), (531, 15433), (535, 15439), (574, 15499), (579, 15511), (593, 15547), (597, 15559), (624, 15634), (628, 15643), (638, 15661), (642, 15667), (652, 15697), (718, 15802), (721, 15811), (722, 15814), (738, 15850), (766, 15928), (794, 16027), (801, 16048), (811, 16081), (826, 16111), (835, 16141), (841, 16150), (844, 16156), (859, 16171), (860, 16174), (865, 16198), (876, 16228), (881, 16240), (886, 16270), (899, 16312),

Gene: Bigchungi_27 Start: 21103, Stop: 22905, Start Num: 151

Candidate Starts for Bigchungi_27:

(Start: 151 @21103 has 225 MA's), (Start: 167 @21124 has 5 MA's), (Start: 195 @21166 has 1 MA's), (315, 21427), (333, 21472), (336, 21481), (353, 21520), (377, 21571), (378, 21574), (476, 21769), (510, 21838), (593, 22039), (594, 22042), (601, 22063), (652, 22159), (653, 22162), (655, 22168), (679, 22237), (684, 22255), (686, 22264), (697, 22294), (731, 22390), (747, 22423), (753, 22438), (795, 22579), (813, 22636), (861, 22747),

Gene: Bigflo_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for Bigflo_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 151

Candidate Starts for Bigfoot_26:

(Start: 151 @20939 has 225 MA's), (Start: 167 @20960 has 5 MA's), (Start: 195 @21002 has 1 MA's), (228, 21047), (315, 21263), (333, 21308), (336, 21317), (377, 21407), (378, 21410), (416, 21503),

(476, 21605), (510, 21674), (589, 21863), (593, 21875), (594, 21878), (601, 21899), (652, 21995), (653, 21998), (655, 22004), (679, 22073), (684, 22091), (686, 22100), (697, 22130), (731, 22226), (747, 22259), (753, 22274), (763, 22304), (795, 22415), (813, 22472), (861, 22583),

Gene: Binglebops_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Binglebops_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 196

Candidate Starts for BilboSwaggins_24:

(Start: 134 @19746 has 130 MA's), (Start: 196 @19830 has 48 MA's), (Start: 246 @19908 has 1 MA's), (280, 19995), (286, 20010), (305, 20058), (320, 20097), (361, 20184), (377, 20217), (394, 20253), (402, 20283), (405, 20289), (458, 20358), (477, 20388), (481, 20400), (482, 20403), (512, 20460), (575, 20592), (578, 20598), (602, 20664), (604, 20670), (612, 20694), (628, 20742), (642, 20766), (647, 20775), (672, 20850), (721, 20901), (726, 20916), (786, 21078), (792, 21105), (801, 21135), (843, 21240), (879, 21318), (886, 21354), (889, 21363), (899, 21396), (906, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 149

Candidate Starts for BillDoor_20:

(Start: 139 @15362 has 9 MA's), (Start: 149 @15365 has 636 MA's), (226, 15467), (Start: 233 @15479 has 2 MA's), (274, 15575), (302, 15659), (335, 15749), (361, 15809), (373, 15836), (388, 15866), (389, 15869), (416, 15938), (441, 15971), (449, 15983), (451, 15986), (461, 16007), (463, 16010), (487, 16076), (496, 16088), (584, 16253), (653, 16403), (657, 16418), (664, 16436), (684, 16493), (753, 16634), (755, 16640), (760, 16652), (769, 16661), (794, 16733), (795, 16736), (797, 16742), (801, 16754), (835, 16847), (842, 16859), (847, 16868), (861, 16901),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 151

Candidate Starts for BillKnuckles_28:

(Start: 151 @21817 has 225 MA's), (Start: 167 @21838 has 5 MA's), (Start: 195 @21880 has 1 MA's), (228, 21925), (315, 22141), (333, 22186), (336, 22195), (353, 22234), (377, 22285), (393, 22318), (476, 22483), (510, 22552), (593, 22753), (594, 22756), (601, 22777), (652, 22873), (653, 22876), (655, 22882), (679, 22951), (684, 22969), (686, 22978), (697, 23008), (731, 23104), (747, 23137), (753, 23152), (795, 23293), (813, 23350), (861, 23461),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 129

Candidate Starts for Bipolar_16:

(Start: 129 @14807 has 222 MA's), (199, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (283, 15068), (286, 15074), (292, 15092), (305, 15122), (350, 15227), (379, 15287), (389, 15308), (394, 15317), (401, 15341), (453, 15416), (455, 15419), (475, 15467), (480, 15482), (482, 15488), (504, 15524), (506, 15527), (511, 15539), (512, 15545), (526, 15593), (531, 15605), (535, 15611), (574, 15671), (579, 15683), (593, 15719), (597, 15731), (598, 15734), (624, 15806), (628, 15815), (638, 15833), (642, 15839), (652, 15869), (718, 15974), (721, 15983), (722, 15986), (738, 16022), (766, 16100), (794, 16199), (801, 16220), (811, 16253), (835, 16313), (841, 16322), (844, 16328), (859, 16343), (860, 16346), (865, 16370), (876, 16400), (881, 16412), (886, 16442), (899, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 84

Candidate Starts for Bipper_24:

(Start: 84 @19740 has 5 MA's), (98, 19785), (180, 19884), (205, 19920), (228, 19950), (238, 19974), (262, 20025), (263, 20028), (299, 20127), (301, 20130), (348, 20268), (360, 20289), (373, 20319), (377, 20325), (395, 20364), (416, 20430), (448, 20472), (459, 20487), (475, 20529), (489, 20565), (496, 20574), (506, 20592), (530, 20652), (533, 20658), (536, 20661), (559, 20691), (573, 20724), (574, 20727), (587, 20754), (609, 20820), (718, 21069), (779, 21216), (799, 21288), (813, 21333), (826, 21357), (828, 21363), (876, 21471), (900, 21561), (901, 21564),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 151

Candidate Starts for Bircsak_27:

(Start: 151 @21589 has 225 MA's), (Start: 167 @21610 has 5 MA's), (Start: 195 @21652 has 1 MA's), (228, 21697), (315, 21913), (333, 21958), (336, 21967), (377, 22057), (378, 22060), (389, 22084), (476, 22255), (510, 22324), (593, 22525), (594, 22528), (601, 22549), (652, 22645), (653, 22648), (655, 22654), (679, 22723), (684, 22741), (686, 22750), (697, 22780), (731, 22876), (747, 22909), (753, 22924), (795, 23065), (813, 23122), (861, 23233),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 117

Candidate Starts for Birdsong_19:

(Start: 117 @16293 has 26 MA's), (Start: 123 @16305 has 8 MA's), (Start: 126 @16308 has 1 MA's), (202, 16410), (228, 16446), (257, 16512), (317, 16656), (321, 16665), (330, 16683), (347, 16725), (353, 16731), (363, 16755), (373, 16779), (397, 16830), (398, 16836), (408, 16866), (437, 16908), (453, 16929), (457, 16935), (467, 16959), (487, 17010), (489, 17013), (508, 17043), (589, 17193), (601, 17229), (660, 17355), (684, 17421), (686, 17430), (689, 17442), (691, 17451), (740, 17544), (748, 17565), (753, 17577), (755, 17583), (757, 17589), (760, 17595), (787, 17649), (795, 17679), (818, 17748), (859, 17835), (861, 17841), (875, 17892), (899, 17979), (907, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 139

Candidate Starts for Biskit_19:

(119, 15350), (Start: 139 @15377 has 9 MA's), (Start: 149 @15380 has 636 MA's), (274, 15590), (333, 15758), (335, 15764), (384, 15872), (388, 15881), (398, 15908), (408, 15938), (416, 15953), (441, 15986), (449, 15998), (467, 16034), (487, 16091), (496, 16103), (584, 16268), (653, 16418), (657, 16433), (664, 16451), (684, 16508), (748, 16637), (753, 16649), (760, 16667), (769, 16676), (794, 16748), (795, 16751), (797, 16757), (801, 16769), (842, 16874), (847, 16883), (861, 16916),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 102

Candidate Starts for Bizzy_35:

(Start: 102 @29879 has 86 MA's), (Start: 126 @29915 has 1 MA's), (223, 30044), (231, 30053), (272, 30149), (275, 30158), (297, 30227), (315, 30278), (333, 30323), (339, 30338), (345, 30356), (377, 30419), (397, 30464), (399, 30473), (463, 30584), (467, 30593), (472, 30608), (475, 30617), (480, 30632), (496, 30662), (609, 30884), (616, 30902), (620, 30917), (652, 30959), (653, 30962), (660, 30989), (703, 31109), (795, 31313), (796, 31316), (811, 31364), (824, 31391), (833, 31418), (859, 31472), (865, 31499),

Gene: Bjanest7_17 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for Bjanest7_17:

(Start: 91 @14616 has 1 MA's), (Start: 179 @14751 has 33 MA's), (271, 14940), (272, 14943), (295, 15018), (319, 15072), (347, 15141), (356, 15153), (388, 15231), (389, 15234), (444, 15366), (471, 15420), (491, 15471), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (637, 15744), (654, 15783), (685, 15879), (754, 15987), (847, 16263), (849, 16266), (864, 16314), (873, 16344),

Gene: Blackflame_27 Start: 21133, Stop: 22914, Start Num: 167

Candidate Starts for Blackflame_27:

(Start: 151 @21112 has 225 MA's), (Start: 167 @21133 has 5 MA's), (Start: 195 @21175 has 1 MA's),
(228, 21220), (315, 21436), (333, 21481), (336, 21490), (353, 21529), (377, 21580), (378, 21583),
(416, 21676), (476, 21778), (510, 21847), (593, 22048), (594, 22051), (601, 22072), (652, 22168),
(653, 22171), (655, 22177), (679, 22246), (684, 22264), (686, 22273), (697, 22303), (731, 22399),
(747, 22432), (753, 22447), (795, 22588), (813, 22645), (861, 22756),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Blackmoor_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's),
(Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055),
(284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403),
(472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781),
(609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036),
(731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441),
(862, 21456), (893, 21564), (899, 21582),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 153

Candidate Starts for Blarby_20:

(Start: 153 @14264 has 10 MA's), (Start: 214 @14345 has 22 MA's), (Start: 233 @14375 has 2 MA's),
(248, 14408), (275, 14474), (287, 14513), (290, 14525), (301, 14549), (318, 14606), (319, 14609),
(333, 14639), (334, 14642), (353, 14687), (361, 14705), (378, 14741), (397, 14783), (467, 14915),
(471, 14927), (472, 14930), (475, 14939), (487, 14972), (496, 14984), (509, 15008), (653, 15281),
(656, 15293), (678, 15338), (684, 15359), (794, 15599), (795, 15602), (796, 15605), (861, 15767),
(866, 15791), (884, 15851), (901, 15914),

Gene: BlessJoy_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for BlessJoy_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280),
(315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499),
(428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609, 20937),
(697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (788, 21390),
(813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: Blessor_27 Start: 21541, Stop: 23322, Start Num: 167

Candidate Starts for Blessor_27:

(Start: 151 @21520 has 225 MA's), (Start: 167 @21541 has 5 MA's), (Start: 195 @21583 has 1 MA's),
(315, 21844), (333, 21889), (336, 21898), (377, 21988), (378, 21991), (416, 22084), (476, 22186),
(510, 22255), (589, 22444), (593, 22456), (594, 22459), (601, 22480), (652, 22576), (653, 22579),
(655, 22585), (679, 22654), (684, 22672), (686, 22681), (697, 22711), (731, 22807), (747, 22840),
(753, 22855), (795, 22996), (813, 23053), (861, 23164), (907, 23317),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 113

Candidate Starts for Blessica_57:

(Start: 106 @33779 has 2 MA's), (Start: 113 @33788 has 28 MA's), (Start: 179 @33878 has 33 MA's),
(253, 33995), (265, 34031), (275, 34052), (283, 34079), (286, 34085), (299, 34115), (308, 34139),
(330, 34190), (394, 34328), (396, 34334), (412, 34385), (413, 34388), (427, 34406), (475, 34457),
(482, 34478), (483, 34481), (511, 34529), (512, 34535), (526, 34583), (528, 34589), (531, 34595),
(563, 34655), (574, 34679), (575, 34682), (593, 34727), (598, 34742), (601, 34751), (604, 34760),
(618, 34805), (628, 34823), (647, 34856), (722, 34994), (730, 35015), (758, 35081), (768, 35111),
(784, 35165), (794, 35207), (801, 35228), (807, 35249), (811, 35261), (821, 35282), (844, 35336),
(879, 35414), (886, 35450), (892, 35471), (900, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 129

Candidate Starts for Blexus_16:

(Start: 129 @14994 has 222 MA's), (199, 15081), (Start: 233 @15126 has 2 MA's), (242, 15150), (265, 15207), (283, 15255), (286, 15261), (292, 15279), (305, 15309), (350, 15414), (379, 15474), (389, 15495), (394, 15504), (401, 15528), (475, 15654), (480, 15669), (482, 15675), (504, 15711), (506, 15714), (511, 15726), (512, 15732), (526, 15780), (531, 15792), (535, 15798), (574, 15858), (579, 15870), (593, 15906), (597, 15918), (624, 15993), (628, 16002), (638, 16020), (642, 16026), (652, 16056), (718, 16161), (722, 16173), (738, 16209), (766, 16287), (794, 16386), (801, 16407), (811, 16440), (826, 16470), (835, 16500), (841, 16509), (844, 16515), (859, 16530), (860, 16533), (864, 16554), (865, 16557), (881, 16599), (886, 16629), (899, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 215

Candidate Starts for BlingBling_19:

(187, 16614), (Start: 215 @16650 has 57 MA's), (266, 16752), (296, 16830), (298, 16833), (340, 16929), (357, 16968), (392, 17049), (410, 17103), (415, 17118), (512, 17289), (521, 17319), (604, 17502), (612, 17526), (613, 17529), (625, 17577), (659, 17670), (664, 17682), (682, 17727), (713, 17742), (762, 17874), (763, 17877), (792, 17976), (797, 17994), (813, 18045), (842, 18111), (871, 18174), (876, 18186),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 149

Candidate Starts for Blinn1_31:

(98, 19976), (Start: 128 @20018 has 37 MA's), (Start: 149 @20042 has 636 MA's), (Start: 246 @20180 has 1 MA's), (273, 20240), (284, 20276), (285, 20279), (314, 20351), (315, 20354), (336, 20408), (339, 20414), (361, 20465), (389, 20525), (393, 20531), (405, 20570), (428, 20612), (455, 20651), (472, 20693), (476, 20696), (506, 20756), (603, 20993), (609, 21008), (653, 21089), (683, 21176), (697, 21221), (753, 21347), (774, 21407), (785, 21446), (786, 21449), (788, 21461), (813, 21545), (859, 21650), (861, 21656), (899, 21791),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 215

Candidate Starts for Blino_19:

(187, 16582), (Start: 215 @16618 has 57 MA's), (266, 16720), (296, 16798), (298, 16801), (340, 16897), (357, 16936), (392, 17017), (410, 17071), (415, 17086), (512, 17257), (521, 17287), (604, 17470), (612, 17494), (625, 17545), (659, 17638), (664, 17650), (682, 17695), (713, 17710), (762, 17842), (763, 17845), (792, 17944), (797, 17962), (813, 18013), (838, 18073), (842, 18079), (871, 18142), (876, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Blizzard_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Blondies_19 Start: 15360, Stop: 17060, Start Num: 139

Candidate Starts for Blondies_19:

(119, 15333), (Start: 139 @15360 has 9 MA's), (Start: 149 @15363 has 636 MA's), (274, 15573), (333, 15741), (335, 15747), (361, 15807), (384, 15855), (388, 15864), (398, 15891), (408, 15921), (416, 15936), (441, 15969), (449, 15981), (467, 16017), (487, 16074), (496, 16086), (584, 16251), (653, 16401), (657, 16416), (664, 16434), (684, 16491), (748, 16620), (753, 16632), (760, 16650), (769, 16659), (794, 16731), (795, 16734), (797, 16740), (801, 16752), (842, 16857), (847, 16866), (861, 16899),

Gene: BloominB_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for BloominB_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 151

Candidate Starts for BluSpix_27:

(Start: 151 @21113 has 225 MA's), (Start: 167 @21134 has 5 MA's), (Start: 195 @21176 has 1 MA's), (228, 21221), (315, 21437), (333, 21482), (336, 21491), (377, 21581), (378, 21584), (416, 21677), (476, 21779), (510, 21848), (593, 22049), (594, 22052), (601, 22073), (652, 22169), (653, 22172), (655, 22178), (679, 22247), (684, 22265), (686, 22274), (697, 22304), (731, 22400), (747, 22433), (753, 22448), (795, 22589), (813, 22646), (861, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for Blue_27:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (377, 22053), (378, 22056), (416, 22149), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 149

Candidate Starts for Blue7_31:

(98, 19897), (Start: 128 @19939 has 37 MA's), (Start: 149 @19963 has 636 MA's), (285, 20200), (314, 20272), (315, 20275), (319, 20290), (336, 20329), (339, 20335), (389, 20446), (393, 20452), (405, 20491), (428, 20533), (455, 20572), (472, 20614), (476, 20617), (542, 20773), (603, 20914), (609, 20929), (697, 21142), (744, 21241), (753, 21268), (771, 21319), (774, 21328), (785, 21367), (788, 21382), (813, 21466), (859, 21571), (861, 21577), (899, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for BlueBird_28:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for BlueCrab_16:

(Start: 129 @14976 has 222 MA's), (199, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (283, 15237), (286, 15243), (292, 15261), (305, 15291), (350, 15396), (379, 15456), (389, 15477), (394, 15486), (401, 15510), (475, 15636), (480, 15651), (482, 15657), (504, 15693), (506, 15696), (511, 15708), (512, 15714), (526, 15762), (531, 15774), (535, 15780), (574, 15840), (579, 15852), (593, 15888), (597, 15900), (624, 15975), (628, 15984), (638, 16002), (642, 16008), (652, 16038), (718, 16143), (721, 16152), (722, 16155), (738, 16191), (766, 16269), (794, 16368), (801, 16389), (811,

16422), (826, 16452), (835, 16482), (841, 16491), (844, 16497), (859, 16512), (860, 16515), (864, 16536), (865, 16539), (881, 16581), (886, 16611), (899, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 206

Candidate Starts for BlueNGold_100:

(Start: 206 @60020 has 4 MA's), (Start: 218 @60035 has 1 MA's), (Start: 220 @60038 has 1 MA's), (237, 60065), (263, 60122), (275, 60158), (286, 60191), (299, 60221), (301, 60224), (327, 60293), (331, 60299), (402, 60464), (418, 60506), (424, 60515), (428, 60524), (443, 60536), (502, 60656), (574, 60809), (597, 60869), (655, 61016), (660, 61037), (667, 61052), (724, 61130), (726, 61136), (773, 61253), (777, 61268), (792, 61325), (801, 61355), (811, 61388), (866, 61508), (906, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 215

Candidate Starts for Blueberry_21:

(187, 16926), (Start: 215 @16962 has 57 MA's), (224, 16971), (266, 17067), (296, 17145), (326, 17217), (340, 17244), (357, 17283), (392, 17364), (410, 17418), (512, 17604), (521, 17634), (573, 17733), (604, 17817), (612, 17841), (625, 17892), (659, 17985), (664, 17997), (682, 18042), (713, 18057), (762, 18189), (763, 18192), (792, 18291), (797, 18309), (813, 18360), (838, 18420), (842, 18426), (876, 18501),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 149

Candidate Starts for Bluefalcon_23:

(Start: 149 @19814 has 636 MA's), (Start: 246 @19952 has 1 MA's), (285, 20051), (315, 20126), (335, 20177), (366, 20249), (373, 20264), (389, 20297), (393, 20303), (436, 20396), (487, 20498), (506, 20528), (509, 20534), (542, 20624), (553, 20654), (589, 20726), (593, 20738), (594, 20741), (609, 20780), (615, 20798), (652, 20858), (653, 20861), (670, 20912), (684, 20954), (730, 21095), (749, 21137), (861, 21455), (899, 21590),

Gene: Bluvara_19 Start: 16498, Stop: 18231, Start Num: 137

Candidate Starts for Bluvara_19:

(Start: 137 @16498 has 56 MA's), (Start: 214 @16597 has 22 MA's), (219, 16606), (254, 16672), (264, 16696), (284, 16756), (286, 16759), (297, 16786), (376, 16966), (388, 16990), (394, 17002), (401, 17026), (475, 17152), (480, 17167), (483, 17176), (506, 17212), (512, 17230), (618, 17482), (624, 17491), (642, 17524), (721, 17668), (741, 17713), (777, 17815), (779, 17824), (784, 17842), (785, 17845), (835, 18004), (846, 18022), (859, 18058), (862, 18073), (879, 18121), (896, 18190),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 151

Candidate Starts for Bob3_26:

(Start: 151 @20673 has 225 MA's), (Start: 167 @20694 has 5 MA's), (Start: 195 @20736 has 1 MA's), (228, 20781), (315, 20997), (333, 21042), (336, 21051), (353, 21090), (377, 21141), (378, 21144), (476, 21339), (510, 21408), (593, 21609), (594, 21612), (601, 21633), (652, 21729), (653, 21732), (655, 21738), (679, 21807), (684, 21825), (686, 21834), (697, 21864), (731, 21960), (747, 21993), (753, 22008), (795, 22149), (813, 22206), (861, 22317),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 102

Candidate Starts for BobBob_32:

(94, 29733), (Start: 102 @29751 has 86 MA's), (Start: 126 @29787 has 1 MA's), (231, 29925), (272, 30021), (275, 30030), (297, 30099), (315, 30150), (333, 30195), (339, 30210), (377, 30291), (397, 30336), (399, 30345), (453, 30435), (467, 30465), (472, 30480), (480, 30504), (496, 30534), (558, 30639), (609, 30756), (616, 30774), (620, 30789), (648, 30819), (652, 30831), (653, 30834), (660, 30861), (795, 31185), (796, 31188), (811, 31236), (824, 31263), (833, 31290), (859, 31344), (865, 31371), (907, 31509),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 128

Candidate Starts for BobSwaget_31:

(Start: 128 @21794 has 37 MA's), (Start: 149 @21818 has 636 MA's), (265, 22001), (284, 22052), (285, 22055), (314, 22127), (315, 22130), (336, 22184), (353, 22223), (389, 22301), (428, 22388), (472, 22469), (476, 22472), (496, 22514), (553, 22658), (587, 22721), (594, 22745), (609, 22784), (653, 22865), (697, 22997), (747, 23108), (753, 23123), (755, 23129), (774, 23183), (785, 23222), (788, 23237), (797, 23270), (813, 23321), (849, 23399), (859, 23426), (861, 23432), (876, 23486),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for BobaPhett_16:

(Start: 129 @14804 has 222 MA's), (199, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (265, 15017), (283, 15065), (286, 15071), (292, 15089), (305, 15119), (350, 15224), (376, 15278), (379, 15284), (383, 15293), (394, 15314), (401, 15338), (413, 15374), (415, 15380), (453, 15413), (455, 15416), (460, 15425), (467, 15440), (469, 15446), (475, 15464), (480, 15479), (482, 15485), (490, 15503), (493, 15506), (504, 15521), (511, 15536), (512, 15542), (526, 15590), (531, 15602), (535, 15608), (574, 15668), (579, 15680), (593, 15716), (597, 15728), (624, 15803), (628, 15812), (638, 15830), (642, 15836), (652, 15866), (718, 15971), (722, 15983), (738, 16019), (766, 16097), (801, 16217), (811, 16250), (826, 16280), (829, 16292), (835, 16310), (839, 16316), (841, 16319), (844, 16325), (859, 16340), (860, 16343), (864, 16364), (865, 16367), (881, 16409), (886, 16439), (899, 16481), (900, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 128

Candidate Starts for Bobby_38:

(Start: 128 @28176 has 37 MA's), (Start: 196 @28266 has 48 MA's), (229, 28314), (242, 28344), (257, 28371), (294, 28473), (307, 28503), (325, 28554), (346, 28602), (363, 28638), (365, 28644), (377, 28665), (405, 28737), (408, 28746), (415, 28767), (482, 28875), (483, 28878), (490, 28893), (512, 28932), (526, 28980), (531, 28992), (535, 28998), (561, 29046), (566, 29055), (575, 29076), (583, 29094), (600, 29142), (638, 29244), (667, 29316), (683, 29361), (685, 29373), (694, 29508), (695, 29514), (696, 29538), (708, 29610), (716, 29637), (802, 29886),

Gene: BobbyDazzler_23 Start: 16907, Stop: 18019, Start Num: 407

Candidate Starts for BobbyDazzler_23:

(Start: 163 @16379 has 3 MA's), (Start: 172 @16394 has 32 MA's), (223, 16463), (241, 16499), (315, 16685), (368, 16814), (389, 16856), (399, 16883), (Start: 407 @16907 has 1 MA's), (416, 16925), (441, 16955), (451, 16970), (476, 17021), (514, 17105), (587, 17222), (594, 17246), (652, 17360), (668, 17408), (679, 17438), (689, 17477), (692, 17489), (718, 17519), (753, 17597), (809, 17744), (818, 17768), (833, 17804), (853, 17843), (906, 18011),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 129

Candidate Starts for Bobi_18:

(Start: 129 @15396 has 222 MA's), (199, 15483), (Start: 233 @15528 has 2 MA's), (242, 15552), (283, 15657), (286, 15663), (292, 15681), (305, 15711), (350, 15816), (379, 15876), (389, 15897), (394, 15906), (401, 15930), (475, 16056), (480, 16071), (482, 16077), (504, 16113), (506, 16116), (511, 16128), (512, 16134), (526, 16182), (531, 16194), (535, 16200), (574, 16260), (579, 16272), (593, 16308), (597, 16320), (624, 16395), (628, 16404), (638, 16422), (642, 16428), (652, 16458), (718, 16563), (721, 16572), (722, 16575), (738, 16611), (766, 16689), (794, 16788), (801, 16809), (811, 16842), (826, 16872), (835, 16902), (841, 16911), (844, 16917), (859, 16932), (860, 16935), (865, 16959), (876, 16989), (881, 17001), (886, 17031), (899, 17073),

Gene: Bobquesha_25 Start: 18364, Stop: 20154, Start Num: 116

Candidate Starts for Bobquesha_25:

(Start: 95 @18328 has 1 MA's), (Start: 111 @18358 has 26 MA's), (Start: 116 @18364 has 42 MA's), (Start: 118 @18367 has 152 MA's), (Start: 171 @18424 has 8 MA's), (205, 18472), (Start: 233 @18511 has 2 MA's), (238, 18526), (Start: 246 @18544 has 1 MA's), (262, 18577), (273, 18607), (288, 18652),

(294, 18670), (317, 18742), (319, 18748), (333, 18778), (334, 18781), (361, 18844), (365, 18856), (420, 18991), (455, 19039), (459, 19045), (467, 19063), (477, 19093), (496, 19132), (574, 19258), (597, 19318), (598, 19321), (610, 19354), (669, 19522), (686, 19576), (718, 19621), (739, 19666), (749, 19690), (761, 19723), (773, 19756), (776, 19765), (792, 19828), (795, 19840), (811, 19891), (813, 19897), (864, 19999), (900, 20125), (910, 20146),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 168

Candidate Starts for Bock_22:

(103, 17278), (Start: 168 @17353 has 17 MA's), (Start: 233 @17446 has 2 MA's), (238, 17461), (241, 17467), (273, 17542), (295, 17614), (334, 17725), (354, 17770), (361, 17788), (365, 17800), (415, 17920), (455, 17971), (460, 17980), (463, 17986), (475, 18019), (506, 18082), (523, 18133), (557, 18157), (573, 18181), (601, 18256), (614, 18295), (667, 18427), (721, 18541), (761, 18628), (794, 18742), (797, 18751), (835, 18856), (877, 18943), (910, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for BodEinwohner17_16:

(Start: 129 @14976 has 222 MA's), (199, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (283, 15237), (286, 15243), (292, 15261), (305, 15291), (350, 15396), (379, 15456), (389, 15477), (394, 15486), (401, 15510), (475, 15636), (480, 15651), (482, 15657), (504, 15693), (506, 15696), (511, 15708), (512, 15714), (526, 15762), (531, 15774), (535, 15780), (574, 15840), (579, 15852), (593, 15888), (597, 15900), (624, 15975), (628, 15984), (638, 16002), (642, 16008), (652, 16038), (718, 16143), (722, 16155), (738, 16191), (766, 16269), (794, 16368), (801, 16389), (811, 16422), (826, 16452), (835, 16482), (841, 16491), (844, 16497), (859, 16512), (860, 16515), (864, 16536), (865, 16539), (881, 16581), (886, 16611), (899, 16653),

Gene: Bogg_24 Start: 18730, Stop: 20325, Start Num: 196

Candidate Starts for Bogg_24:

(Start: 134 @18646 has 130 MA's), (Start: 196 @18730 has 48 MA's), (Start: 246 @18808 has 1 MA's), (280, 18895), (286, 18910), (305, 18958), (320, 18997), (361, 19084), (377, 19117), (394, 19153), (402, 19183), (405, 19189), (458, 19258), (477, 19288), (481, 19300), (482, 19303), (512, 19360), (575, 19492), (578, 19498), (602, 19564), (604, 19570), (612, 19594), (628, 19642), (642, 19666), (647, 19675), (672, 19750), (721, 19801), (726, 19816), (786, 19978), (792, 20005), (801, 20035), (843, 20140), (879, 20218), (886, 20254), (889, 20263), (899, 20296), (906, 20311),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 107

Candidate Starts for Bogie_18:

(Start: 107 @16084 has 2 MA's), (Start: 122 @16108 has 48 MA's), (Start: 170 @16168 has 41 MA's), (183, 16189), (185, 16192), (260, 16312), (274, 16351), (284, 16384), (294, 16408), (344, 16528), (361, 16567), (363, 16573), (399, 16657), (401, 16663), (405, 16675), (413, 16699), (442, 16726), (458, 16744), (473, 16783), (475, 16789), (483, 16813), (512, 16867), (516, 16879), (518, 16888), (545, 16948), (583, 17026), (597, 17065), (609, 17098), (628, 17164), (636, 17179), (642, 17188), (650, 17212), (660, 17242), (667, 17254), (733, 17356), (741, 17368), (744, 17371), (746, 17377), (748, 17386), (784, 17494), (807, 17578), (852, 17677), (889, 17785), (906, 17833),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 149

Candidate Starts for BogosyJay_29:

(Start: 128 @21285 has 37 MA's), (Start: 149 @21309 has 636 MA's), (284, 21543), (285, 21546), (314, 21618), (315, 21621), (319, 21636), (336, 21675), (339, 21681), (373, 21759), (389, 21792), (428, 21879), (472, 21960), (476, 21963), (526, 22089), (587, 22212), (590, 22224), (594, 22236), (596, 22242), (609, 22275), (653, 22356), (692, 22482), (712, 22536), (714, 22542), (731, 22584), (736, 22593), (747, 22617), (753, 22632), (761, 22656), (774, 22692), (785, 22731), (788, 22746), (813, 22830), (859, 22935), (861, 22941), (872, 22986), (889, 23043),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 118

Candidate Starts for Boiiii_23:

(Start: 118 @17190 has 152 MA's), (143, 17220), (Start: 246 @17379 has 1 MA's), (262, 17412), (273, 17442), (283, 17475), (288, 17487), (317, 17577), (335, 17619), (365, 17691), (369, 17700), (389, 17739), (405, 17784), (412, 17805), (413, 17808), (445, 17862), (459, 17880), (475, 17922), (477, 17928), (487, 17955), (574, 18093), (582, 18111), (597, 18153), (603, 18171), (614, 18201), (628, 18228), (669, 18333), (749, 18492), (762, 18528), (773, 18558), (776, 18567), (795, 18642), (811, 18693), (889, 18888), (900, 18927), (901, 18930), (910, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 118

Candidate Starts for Boilgate_20:

(Start: 111 @17559 has 26 MA's), (Start: 116 @17565 has 42 MA's), (Start: 118 @17568 has 152 MA's), (180, 17631), (205, 17667), (238, 17721), (262, 17772), (273, 17802), (316, 17931), (317, 17937), (319, 17943), (333, 17973), (361, 18039), (365, 18051), (445, 18222), (459, 18240), (477, 18288), (487, 18315), (496, 18327), (509, 18351), (574, 18453), (575, 18456), (597, 18513), (604, 18534), (610, 18549), (621, 18588), (649, 18657), (669, 18717), (721, 18825), (739, 18861), (749, 18885), (773, 18951), (776, 18960), (792, 19023), (795, 19035), (813, 19092), (831, 19134), (850, 19170), (886, 19272), (900, 19320), (910, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 128

Candidate Starts for Bombitas_33:

(Start: 128 @26624 has 37 MA's), (Start: 196 @26714 has 48 MA's), (229, 26762), (242, 26792), (257, 26819), (294, 26921), (307, 26951), (346, 27050), (363, 27086), (365, 27092), (377, 27113), (405, 27185), (408, 27194), (415, 27215), (469, 27284), (482, 27323), (483, 27326), (490, 27341), (512, 27380), (526, 27428), (531, 27440), (535, 27446), (561, 27494), (566, 27503), (575, 27524), (583, 27542), (600, 27590), (638, 27692), (660, 27752), (667, 27764), (726, 27848), (731, 27860), (733, 27866), (741, 27878), (744, 27881), (757, 27920), (763, 27938), (776, 27974), (777, 27980), (801, 28067), (834, 28157), (862, 28199), (867, 28217), (877, 28247), (887, 28289), (906, 28343),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Bombshell_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 149

Candidate Starts for Bonamassa_24:

(Start: 149 @19658 has 636 MA's), (Start: 233 @19763 has 2 MA's), (Start: 246 @19796 has 1 MA's), (285, 19895), (315, 19970), (319, 19985), (335, 20021), (366, 20093), (373, 20108), (393, 20147), (401, 20174), (408, 20195), (433, 20234), (506, 20372), (509, 20378), (560, 20513), (589, 20570), (590, 20573), (593, 20582), (609, 20624), (615, 20642), (652, 20702), (653, 20705), (684, 20798), (686, 20807), (692, 20831), (730, 20939), (747, 20975), (813, 21185), (858, 21287), (861, 21296), (892, 21410), (899, 21431), (901, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 163

Candidate Starts for Bonanza_23:

(Start: 163 @16308 has 3 MA's), (Start: 172 @16323 has 32 MA's), (223, 16392), (241, 16428), (315, 16614), (368, 16743), (389, 16785), (399, 16812), (Start: 407 @16836 has 1 MA's), (416, 16854), (441, 16884), (451, 16899), (476, 16950), (514, 17034), (587, 17151), (594, 17175), (652, 17289), (668,

17337), (679, 17367), (689, 17406), (692, 17418), (718, 17448), (753, 17526), (809, 17673), (818, 17697), (833, 17733), (853, 17772), (906, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 151

Candidate Starts for Bones_27:

(Start: 151 @21039 has 225 MA's), (Start: 167 @21060 has 5 MA's), (Start: 195 @21102 has 1 MA's), (228, 21147), (315, 21363), (333, 21408), (336, 21417), (377, 21507), (378, 21510), (476, 21705), (510, 21774), (589, 21963), (593, 21975), (594, 21978), (601, 21999), (652, 22095), (653, 22098), (655, 22104), (679, 22173), (684, 22191), (686, 22200), (697, 22230), (731, 22326), (747, 22359), (753, 22374), (795, 22515), (813, 22572), (861, 22683), (907, 22836),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 170

Candidate Starts for Bonum_44:

(Start: 170 @30146 has 41 MA's), (Start: 246 @30260 has 1 MA's), (275, 30344), (347, 30527), (381, 30593), (388, 30608), (399, 30632), (435, 30719), (454, 30749), (456, 30752), (501, 30809), (525, 30881), (587, 30986), (626, 31073), (652, 31121), (717, 31247), (731, 31283), (780, 31394), (801, 31469), (876, 31646), (886, 31688), (905, 31745),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 149

Candidate Starts for Boohoo_30:

(98, 19030), (Start: 128 @19072 has 37 MA's), (Start: 149 @19096 has 636 MA's), (Start: 246 @19234 has 1 MA's), (272, 19291), (285, 19333), (302, 19369), (315, 19408), (343, 19477), (353, 19501), (378, 19555), (455, 19705), (476, 19750), (487, 19780), (509, 19816), (524, 19867), (540, 19903), (560, 19951), (590, 20011), (652, 20140), (679, 20218), (753, 20419), (755, 20425), (786, 20521), (845, 20686), (879, 20785),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 129

Candidate Starts for Boomer_17:

(Start: 129 @14621 has 222 MA's), (199, 14708), (Start: 233 @14753 has 2 MA's), (242, 14777), (265, 14834), (283, 14882), (286, 14888), (292, 14906), (305, 14936), (350, 15041), (376, 15095), (379, 15101), (383, 15110), (389, 15122), (394, 15131), (401, 15155), (413, 15191), (415, 15197), (427, 15209), (453, 15230), (455, 15233), (460, 15242), (467, 15257), (469, 15263), (475, 15281), (480, 15296), (482, 15302), (490, 15320), (493, 15323), (504, 15338), (511, 15353), (512, 15359), (521, 15389), (526, 15407), (531, 15419), (535, 15425), (574, 15485), (579, 15497), (593, 15533), (597, 15545), (604, 15566), (624, 15620), (628, 15629), (642, 15653), (652, 15683), (718, 15788), (722, 15800), (738, 15836), (754, 15875), (766, 15914), (794, 16013), (801, 16034), (811, 16067), (826, 16097), (835, 16127), (841, 16136), (844, 16142), (859, 16157), (860, 16160), (864, 16181), (865, 16184), (881, 16226), (886, 16256), (899, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 206

Candidate Starts for Boopy_101:

(Start: 206 @60032 has 4 MA's), (Start: 218 @60047 has 1 MA's), (Start: 220 @60050 has 1 MA's), (237, 60077), (263, 60134), (275, 60170), (286, 60203), (299, 60233), (301, 60236), (327, 60305), (331, 60311), (402, 60476), (418, 60518), (424, 60527), (428, 60536), (443, 60548), (502, 60668), (574, 60821), (597, 60881), (655, 61028), (660, 61049), (667, 61064), (724, 61142), (726, 61148), (773, 61265), (777, 61280), (792, 61337), (801, 61367), (811, 61400), (866, 61520), (906, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 116

Candidate Starts for BoostSeason_19:

(Start: 95 @15003 has 1 MA's), (Start: 111 @15033 has 26 MA's), (Start: 116 @15039 has 42 MA's), (Start: 137 @15054 has 56 MA's), (Start: 171 @15096 has 8 MA's), (205, 15144), (Start: 233 @15183 has 2 MA's), (238, 15198), (262, 15249), (273, 15279), (283, 15312), (288, 15324), (294, 15342), (317, 15414), (319, 15420), (361, 15516), (365, 15528), (406, 15624), (459, 15717), (475, 15759), (477,

15765), (496, 15804), (509, 15828), (512, 15840), (574, 15930), (578, 15939), (598, 15993), (609, 16023), (652, 16134), (669, 16185), (721, 16293), (773, 16407), (776, 16416), (795, 16491), (811, 16542), (813, 16548), (862, 16644), (880, 16698), (900, 16779), (910, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 113

Candidate Starts for Bora_54:

(Start: 106 @33136 has 2 MA's), (Start: 113 @33145 has 28 MA's), (Start: 179 @33235 has 33 MA's), (253, 33352), (265, 33388), (275, 33409), (283, 33436), (286, 33442), (299, 33472), (308, 33496), (330, 33547), (394, 33685), (396, 33691), (412, 33742), (413, 33745), (427, 33763), (475, 33814), (482, 33835), (483, 33838), (511, 33886), (512, 33892), (526, 33940), (528, 33946), (531, 33952), (563, 34012), (574, 34036), (575, 34039), (593, 34084), (598, 34099), (601, 34108), (604, 34117), (618, 34162), (628, 34180), (647, 34213), (722, 34351), (730, 34372), (758, 34438), (768, 34468), (784, 34522), (794, 34564), (801, 34585), (807, 34606), (811, 34618), (821, 34639), (844, 34693), (879, 34771), (886, 34807), (892, 34828), (900, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Bosection6_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for Bosnia_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: BotCity_20 Start: 16426, Stop: 18123, Start Num: 149

Candidate Starts for BotCity_20:

(119, 16387), (Start: 149 @16426 has 636 MA's), (Start: 156 @16438 has 1 MA's), (Start: 215 @16516 has 57 MA's), (231, 16537), (253, 16585), (257, 16594), (273, 16636), (284, 16672), (304, 16729), (311, 16750), (319, 16777), (332, 16804), (395, 16945), (416, 17002), (436, 17029), (441, 17035), (467, 17083), (477, 17113), (494, 17149), (509, 17176), (510, 17179), (525, 17230), (554, 17257), (555, 17260), (571, 17287), (584, 17314), (611, 17386), (637, 17425), (663, 17479), (678, 17521), (701, 17596), (736, 17659), (748, 17686), (755, 17704), (792, 17788), (794, 17797), (795, 17800), (797, 17806), (803, 17821), (812, 17851), (814, 17857), (824, 17878), (826, 17881), (849, 17935), (861, 17965), (862, 17974), (878, 18025), (886, 18058), (890, 18070), (895, 18088),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 144

Candidate Starts for Bowser_19:

(78, 16501), (119, 16585), (Start: 126 @16597 has 1 MA's), (Start: 144 @16618 has 6 MA's), (280, 16855), (290, 16888), (377, 17101), (405, 17173), (427, 17215), (453, 17251), (467, 17281), (475, 17305), (494, 17347), (509, 17374), (510, 17377), (547, 17431), (550, 17437), (589, 17524), (704, 17815), (707, 17818), (755, 17926), (795, 18022), (801, 18040), (824, 18100), (849, 18157), (862, 18196), (863, 18199), (866, 18211), (887, 18286), (895, 18313),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 149

Candidate Starts for Bowtie_28:

(98, 20689), (Start: 128 @20731 has 37 MA's), (Start: 149 @20755 has 636 MA's), (188, 20797), (Start: 246 @20893 has 1 MA's), (255, 20908), (284, 20989), (285, 20992), (315, 21067), (319, 21082), (336, 21121), (339, 21127), (389, 21238), (393, 21244), (428, 21325), (476, 21409), (526, 21535), (533, 21553), (550, 21580), (609, 21721), (648, 21787), (652, 21799), (653, 21802), (691, 21925), (712, 21991), (721, 22018), (736, 22048), (738, 22051), (747, 22072), (753, 22087), (761, 22111), (785, 22186), (788, 22201), (813, 22285), (859, 22390), (861, 22396), (876, 22450), (907, 22549),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 178

Candidate Starts for BoyNamedSue_19:

(Start: 178 @17776 has 57 MA's), (308, 18034), (315, 18052), (316, 18055), (338, 18109), (372, 18184), (398, 18253), (401, 18262), (405, 18274), (409, 18286), (423, 18325), (437, 18352), (444, 18361), (445, 18364), (510, 18397), (526, 18454), (568, 18520), (617, 18631), (653, 18691), (685, 18793), (730, 18850), (766, 18940), (849, 19180), (873, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 117

Candidate Starts for Bradissa_20:

(Start: 100 @17689 has 1 MA's), (Start: 117 @17713 has 26 MA's), (158, 17761), (197, 17818), (230, 17860), (313, 18049), (373, 18196), (377, 18202), (397, 18247), (470, 18385), (508, 18460), (652, 18742), (658, 18763), (684, 18838), (719, 18925), (740, 18961), (753, 18994), (755, 19000), (787, 19066), (795, 19096), (859, 19252), (861, 19258), (864, 19276), (896, 19387),

Gene: Bradman_27 Start: 19074, Stop: 20864, Start Num: 149

Candidate Starts for Bradman_27:

(98, 19008), (Start: 128 @19050 has 37 MA's), (Start: 149 @19074 has 636 MA's), (Start: 246 @19212 has 1 MA's), (255, 19227), (284, 19308), (285, 19311), (314, 19383), (315, 19386), (336, 19440), (339, 19446), (345, 19464), (373, 19524), (389, 19557), (393, 19563), (405, 19602), (428, 19644), (472, 19725), (476, 19728), (506, 19788), (553, 19914), (593, 19998), (609, 20040), (639, 20091), (653, 20121), (692, 20247), (715, 20310), (747, 20382), (753, 20397), (761, 20421), (785, 20496), (788, 20511), (813, 20595), (859, 20700), (861, 20706), (864, 20724), (872, 20751), (876, 20760),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Bradshaw_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 123

Candidate Starts for Bran_17:

(Start: 123 @16323 has 8 MA's), (142, 16344), (204, 16428), (223, 16455), (228, 16461), (282, 16593), (304, 16644), (315, 16677), (324, 16701), (377, 16821), (393, 16854), (398, 16872), (424, 16926), (455, 16971), (480, 17028), (484, 17040), (508, 17079), (550, 17139), (555, 17160), (560, 17169), (589, 17226), (628, 17316), (675, 17424), (690, 17478), (692, 17484), (699, 17502), (756, 17598), (770, 17619), (788, 17664), (845, 17823), (854, 17838), (860, 17853), (862, 17865), (906, 18009),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 102

Candidate Starts for Brandonk123_36:

(94, 30799), (Start: 102 @30817 has 86 MA's), (Start: 126 @30853 has 1 MA's), (231, 30991), (272, 31087), (275, 31096), (297, 31165), (315, 31216), (333, 31261), (339, 31276), (377, 31357), (397, 31402), (399, 31411), (453, 31501), (467, 31531), (472, 31546), (480, 31570), (496, 31600), (609, 31822), (616, 31840), (620, 31855), (648, 31885), (652, 31897), (653, 31900), (660, 31927), (795, 32251), (796, 32254), (811, 32302), (824, 32329), (833, 32356), (859, 32410), (865, 32437), (907,

32575),

Gene: Brawn1_31 Start: 29625, Stop: 31388, Start Num: 102

Candidate Starts for Brawn1_31:

(94, 29607), (Start: 102 @29625 has 86 MA's), (Start: 126 @29661 has 1 MA's), (231, 29799), (272, 29895), (275, 29904), (297, 29973), (315, 30024), (333, 30069), (339, 30084), (377, 30165), (397, 30210), (399, 30219), (453, 30309), (467, 30339), (472, 30354), (480, 30378), (496, 30408), (558, 30513), (609, 30630), (616, 30648), (620, 30663), (648, 30693), (652, 30705), (653, 30708), (660, 30735), (795, 31059), (796, 31062), (811, 31110), (824, 31137), (833, 31164), (859, 31218), (865, 31245), (901, 31374),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 174

Candidate Starts for Braxoaddie_45:

(Start: 174 @31342 has 9 MA's), (Start: 179 @31351 has 33 MA's), (226, 31405), (237, 31429), (Start: 246 @31432 has 1 MA's), (350, 31702), (381, 31765), (388, 31780), (446, 31897), (456, 31912), (501, 31969), (506, 31978), (519, 32020), (525, 32041), (540, 32071), (577, 32128), (606, 32203), (658, 32299), (717, 32404), (718, 32407), (727, 32434), (768, 32512), (780, 32551), (833, 32707), (866, 32773),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 149

Candidate Starts for BreSam8_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Brewer_24 Start: 19994, Stop: 21673, Start Num: 134

Candidate Starts for Brewer_24:

(Start: 134 @19994 has 130 MA's), (Start: 196 @20078 has 48 MA's), (Start: 246 @20156 has 1 MA's), (280, 20243), (286, 20258), (305, 20306), (320, 20345), (361, 20432), (377, 20465), (394, 20501), (402, 20531), (405, 20537), (458, 20606), (477, 20636), (481, 20648), (482, 20651), (512, 20708), (575, 20840), (578, 20846), (602, 20912), (604, 20918), (612, 20942), (628, 20990), (642, 21014), (647, 21023), (672, 21098), (721, 21149), (726, 21164), (786, 21326), (792, 21353), (801, 21383), (843, 21488), (879, 21566), (886, 21602), (889, 21611), (899, 21644), (906, 21659),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 100

Candidate Starts for BritBrat_20:

(Start: 100 @17542 has 1 MA's), (Start: 117 @17566 has 26 MA's), (197, 17671), (230, 17713), (265, 17788), (313, 17902), (373, 18049), (377, 18055), (397, 18100), (470, 18238), (508, 18313), (652, 18595), (658, 18616), (684, 18691), (719, 18778), (740, 18814), (753, 18847), (755, 18853), (787, 18919), (795, 18949), (859, 19105), (861, 19111), (864, 19129), (896, 19240),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 151

Candidate Starts for Briton15_29:

(Start: 151 @21386 has 225 MA's), (Start: 167 @21407 has 5 MA's), (Start: 195 @21449 has 1 MA's), (228, 21494), (315, 21710), (333, 21755), (336, 21764), (353, 21803), (377, 21854), (378, 21857), (416, 21950), (476, 22052), (510, 22121), (589, 22310), (593, 22322), (594, 22325), (601, 22346), (652, 22442), (653, 22445), (655, 22451), (679, 22520), (684, 22538), (686, 22547), (697, 22577), (731, 22673), (747, 22706), (753, 22721), (795, 22862), (813, 22919), (861, 23030),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 129

Candidate Starts for Brocalys_16:

(Start: 129 @14792 has 222 MA's), (199, 14879), (Start: 233 @14924 has 2 MA's), (242, 14948), (283, 15053), (286, 15059), (292, 15077), (305, 15107), (350, 15212), (379, 15272), (389, 15293), (394, 15302), (401, 15326), (475, 15452), (480, 15467), (482, 15473), (504, 15509), (506, 15512), (511, 15524), (512, 15530), (526, 15578), (531, 15590), (535, 15596), (574, 15656), (579, 15668), (593, 15704), (597, 15716), (624, 15791), (628, 15800), (638, 15818), (642, 15824), (652, 15854), (718, 15959), (721, 15968), (722, 15971), (738, 16007), (766, 16085), (794, 16184), (801, 16205), (811, 16238), (826, 16268), (835, 16298), (841, 16307), (844, 16313), (859, 16328), (860, 16331), (865, 16355), (876, 16385), (881, 16397), (886, 16427), (899, 16469),

Gene: BronnyJames_28 Start: 23259, Stop: 24992, Start Num: 128

Candidate Starts for BronnyJames_28:

(Start: 128 @23259 has 37 MA's), (Start: 196 @23349 has 48 MA's), (199, 23352), (257, 23454), (280, 23520), (294, 23556), (307, 23586), (312, 23601), (346, 23685), (363, 23721), (377, 23748), (395, 23787), (405, 23820), (408, 23829), (455, 23886), (472, 23928), (509, 24003), (512, 24015), (531, 24075), (561, 24129), (575, 24159), (583, 24177), (588, 24186), (598, 24219), (602, 24231), (604, 24237), (616, 24276), (642, 24333), (726, 24483), (733, 24501), (753, 24543), (761, 24567), (762, 24570), (766, 24585), (777, 24615), (786, 24645), (801, 24702), (867, 24852), (901, 24972), (906, 24978),

Gene: BronnyJr_19 Start: 16231, Stop: 17967, Start Num: 122

Candidate Starts for BronnyJr_19:

(Start: 122 @16231 has 48 MA's), (183, 16312), (185, 16315), (225, 16366), (257, 16429), (260, 16435), (274, 16474), (284, 16507), (294, 16531), (344, 16651), (347, 16666), (361, 16690), (363, 16696), (399, 16780), (413, 16822), (453, 16861), (458, 16867), (473, 16906), (475, 16912), (483, 16936), (512, 16990), (518, 17011), (545, 17071), (583, 17149), (597, 17188), (609, 17221), (628, 17287), (642, 17311), (650, 17335), (660, 17365), (667, 17377), (733, 17479), (784, 17617), (807, 17701), (852, 17800), (876, 17857), (889, 17908), (906, 17956),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 129

Candidate Starts for Brookers_17:

(Start: 129 @14663 has 222 MA's), (199, 14750), (Start: 233 @14795 has 2 MA's), (242, 14819), (283, 14924), (286, 14930), (292, 14948), (305, 14978), (350, 15083), (379, 15143), (389, 15164), (394, 15173), (401, 15197), (453, 15272), (455, 15275), (475, 15323), (480, 15338), (482, 15344), (504, 15380), (506, 15383), (511, 15395), (512, 15401), (526, 15449), (531, 15461), (535, 15467), (574, 15527), (579, 15539), (593, 15575), (597, 15587), (624, 15662), (628, 15671), (638, 15689), (642, 15695), (652, 15725), (718, 15830), (721, 15839), (722, 15842), (738, 15878), (766, 15956), (794, 16055), (801, 16076), (811, 16109), (826, 16139), (835, 16169), (841, 16178), (844, 16184), (859, 16199), (860, 16202), (865, 16226), (876, 16256), (881, 16268), (886, 16298), (899, 16340),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Broseidon_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for BruceB_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339,

17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 196

Candidate Starts for Bruin_24:

(Start: 134 @19769 has 130 MA's), (Start: 196 @19853 has 48 MA's), (Start: 246 @19931 has 1 MA's), (280, 20018), (286, 20033), (305, 20081), (320, 20120), (361, 20207), (377, 20240), (394, 20276), (402, 20306), (405, 20312), (458, 20381), (477, 20411), (481, 20423), (482, 20426), (512, 20483), (575, 20615), (578, 20621), (602, 20687), (604, 20693), (612, 20717), (628, 20765), (642, 20789), (647, 20798), (672, 20873), (721, 20924), (726, 20939), (786, 21101), (792, 21128), (801, 21158), (843, 21263), (879, 21341), (886, 21377), (889, 21386), (899, 21419), (906, 21434),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Bruiser_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 137

Candidate Starts for Brujita_19:

(Start: 137 @16495 has 56 MA's), (Start: 214 @16594 has 22 MA's), (219, 16603), (254, 16669), (264, 16693), (284, 16753), (286, 16756), (297, 16783), (376, 16963), (388, 16987), (394, 16999), (401, 17023), (475, 17149), (480, 17164), (483, 17173), (506, 17209), (512, 17227), (531, 17287), (597, 17413), (618, 17479), (624, 17488), (628, 17497), (642, 17521), (721, 17665), (741, 17710), (777, 17812), (779, 17821), (784, 17839), (785, 17842), (835, 18001), (846, 18019), (859, 18055), (862, 18070), (879, 18118), (896, 18187),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 151

Candidate Starts for Bruns_26:

(Start: 151 @21014 has 225 MA's), (Start: 167 @21035 has 5 MA's), (Start: 195 @21077 has 1 MA's), (228, 21122), (315, 21338), (333, 21383), (336, 21392), (377, 21482), (378, 21485), (389, 21509), (416, 21578), (476, 21680), (510, 21749), (589, 21938), (593, 21950), (594, 21953), (601, 21974), (652, 22070), (653, 22073), (655, 22079), (679, 22148), (684, 22166), (686, 22175), (697, 22205), (731, 22301), (747, 22334), (753, 22349), (795, 22490), (813, 22547), (861, 22658),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Brusacoram_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Brushbloom_17 Start: 14687, Stop: 16396, Start Num: 129

Candidate Starts for Brushbloom_17:

(Start: 129 @14687 has 222 MA's), (199, 14774), (Start: 233 @14819 has 2 MA's), (242, 14843), (283, 14948), (286, 14954), (292, 14972), (305, 15002), (350, 15107), (379, 15167), (389, 15188), (394, 15197), (401, 15221), (475, 15347), (480, 15362), (482, 15368), (504, 15404), (506, 15407), (511, 15419), (512, 15425), (526, 15473), (531, 15485), (535, 15491), (574, 15551), (579, 15563), (593, 15599), (597, 15611), (624, 15686), (628, 15695), (638, 15713), (642, 15719), (652, 15749), (718, 15854), (721, 15863), (722, 15866), (738, 15902), (766, 15980), (794, 16079), (801, 16100), (811, 16133), (826, 16163), (835, 16193), (841, 16202), (844, 16208), (859, 16223), (860, 16226), (865, 16250), (876, 16280), (881, 16292), (886, 16322), (899, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 150

Candidate Starts for BrutonGaster_36:

(Start: 150 @25954 has 17 MA's), (192, 26014), (199, 26023), (Start: 214 @26047 has 22 MA's), (270, 26164), (272, 26170), (292, 26236), (312, 26284), (347, 26371), (353, 26377), (375, 26425), (377, 26428), (396, 26470), (480, 26575), (512, 26638), (514, 26644), (521, 26668), (597, 26830), (625, 26920), (667, 27028), (672, 27046), (718, 27088), (736, 27133), (740, 27139), (763, 27199), (792, 27298), (795, 27310), (798, 27319), (879, 27511), (887, 27550), (897, 27586), (911, 27634),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 172

Candidate Starts for Bryce_23:

(Start: 163 @16308 has 3 MA's), (Start: 172 @16323 has 32 MA's), (203, 16365), (223, 16392), (241, 16428), (315, 16614), (368, 16743), (389, 16785), (399, 16812), (Start: 407 @16836 has 1 MA's), (416, 16854), (441, 16884), (451, 16899), (476, 16950), (514, 17034), (587, 17151), (594, 17175), (652, 17289), (668, 17337), (679, 17367), (689, 17406), (692, 17418), (718, 17448), (753, 17526), (809, 17673), (818, 17697), (833, 17733), (853, 17772), (906, 17940),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 118

Candidate Starts for Bryler_22:

(Start: 111 @16341 has 26 MA's), (Start: 118 @16350 has 152 MA's), (143, 16380), (Start: 233 @16506 has 2 MA's), (238, 16521), (Start: 246 @16539 has 1 MA's), (262, 16572), (273, 16602), (288, 16647), (317, 16737), (333, 16773), (365, 16851), (369, 16860), (405, 16944), (408, 16953), (412, 16965), (413, 16968), (420, 16986), (428, 17007), (445, 17022), (455, 17034), (459, 17040), (475, 17082), (477, 17088), (582, 17271), (603, 17331), (644, 17415), (649, 17433), (669, 17493), (691, 17568), (718, 17592), (749, 17652), (761, 17685), (762, 17688), (768, 17706), (776, 17727), (795, 17802), (811, 17853), (813, 17859), (824, 17880), (862, 17952), (879, 18003), (900, 18087), (901, 18090), (910, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 168

Candidate Starts for Brylie_22:

(103, 17269), (Start: 168 @17344 has 17 MA's), (Start: 233 @17437 has 2 MA's), (238, 17452), (241, 17458), (273, 17533), (295, 17605), (334, 17716), (354, 17761), (361, 17779), (365, 17791), (455, 17962), (460, 17971), (463, 17977), (475, 18010), (506, 18073), (523, 18124), (557, 18148), (573, 18172), (601, 18247), (614, 18286), (667, 18418), (721, 18532), (761, 18619), (794, 18733), (797, 18742), (835, 18847), (877, 18934), (910, 19042),

Gene: Bubble_18 Start: 15732, Stop: 17429, Start Num: 149

Candidate Starts for Bubble_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for BubbleTrouble_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 129

Candidate Starts for Bubbles123_17:

(Start: 129 @15521 has 222 MA's), (199, 15608), (Start: 233 @15653 has 2 MA's), (242, 15677), (283, 15782), (286, 15788), (292, 15806), (305, 15836), (350, 15941), (379, 16001), (389, 16022), (394, 16031), (401, 16055), (475, 16181), (480, 16196), (482, 16202), (504, 16238), (506, 16241), (511, 16253), (512, 16259), (526, 16307), (531, 16319), (535, 16325), (574, 16385), (579, 16397), (593, 16433), (597, 16445), (624, 16520), (628, 16529), (638, 16547), (642, 16553), (652, 16583), (718, 16688), (721, 16697), (722, 16700), (738, 16736), (766, 16814), (794, 16913), (801, 16934), (811, 16967), (826, 16997), (835, 17027), (841, 17036), (844, 17042), (859, 17057), (860, 17060), (865, 17084), (876, 17114), (881, 17126), (886, 17156), (899, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 134

Candidate Starts for Buck_23:

(Start: 134 @19702 has 130 MA's), (Start: 196 @19786 has 48 MA's), (Start: 246 @19864 has 1 MA's), (280, 19951), (286, 19966), (305, 20014), (320, 20053), (361, 20140), (377, 20173), (394, 20209), (402, 20239), (405, 20245), (458, 20314), (477, 20344), (481, 20356), (482, 20359), (512, 20416), (575, 20548), (578, 20554), (602, 20620), (604, 20626), (612, 20650), (628, 20698), (642, 20722), (647, 20731), (672, 20806), (721, 20857), (726, 20872), (786, 21034), (792, 21061), (801, 21091), (843, 21196), (879, 21274), (886, 21310), (889, 21319), (899, 21352), (906, 21367),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 149

Candidate Starts for Bud_28:

(98, 20695), (Start: 128 @20737 has 37 MA's), (Start: 149 @20761 has 636 MA's), (188, 20803), (Start: 246 @20899 has 1 MA's), (255, 20914), (284, 20995), (285, 20998), (315, 21073), (319, 21088), (336, 21127), (339, 21133), (361, 21184), (389, 21244), (393, 21250), (428, 21331), (476, 21415), (526, 21541), (533, 21559), (550, 21586), (609, 21727), (648, 21793), (652, 21805), (653, 21808), (712, 21997), (721, 22024), (726, 22033), (736, 22054), (738, 22057), (747, 22078), (753, 22093), (761, 22117), (785, 22192), (788, 22207), (813, 22291), (859, 22396), (861, 22402), (876, 22456), (907, 22555),

Gene: Budgie_26 Start: 19137, Stop: 20816, Start Num: 134

Candidate Starts for Budgie_26:

(Start: 134 @19137 has 130 MA's), (Start: 196 @19221 has 48 MA's), (Start: 246 @19299 has 1 MA's), (280, 19386), (286, 19401), (305, 19449), (320, 19488), (361, 19575), (368, 19593), (394, 19644), (402, 19674), (405, 19680), (458, 19749), (477, 19779), (481, 19791), (482, 19794), (512, 19851), (575, 19983), (578, 19989), (602, 20055), (604, 20061), (612, 20085), (628, 20133), (642, 20157), (647, 20166), (653, 20187), (672, 20241), (721, 20292), (726, 20307), (786, 20469), (801, 20526), (843, 20631), (879, 20709), (886, 20745), (899, 20787), (906, 20802),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 149

Candidate Starts for Budski_20:

(119, 16382), (Start: 149 @16421 has 636 MA's), (Start: 156 @16433 has 1 MA's), (185, 16472), (Start: 215 @16511 has 57 MA's), (231, 16532), (253, 16580), (257, 16589), (273, 16631), (284,

16667), (304, 16724), (319, 16772), (332, 16799), (395, 16940), (416, 16997), (427, 17015), (436, 17024), (441, 17030), (467, 17078), (477, 17108), (494, 17144), (499, 17150), (509, 17171), (510, 17174), (525, 17225), (554, 17252), (555, 17255), (571, 17282), (584, 17309), (611, 17381), (637, 17420), (663, 17474), (678, 17516), (701, 17591), (736, 17654), (748, 17681), (749, 17684), (755, 17699), (792, 17783), (794, 17792), (795, 17795), (797, 17801), (801, 17813), (803, 17816), (812, 17846), (814, 17852), (824, 17873), (826, 17876), (849, 17930), (861, 17960), (862, 17969), (878, 18020), (886, 18053), (890, 18065), (895, 18083),

Gene: Bugatti_27 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for Bugatti_27:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 170

Candidate Starts for Buggaboo_42:

(Start: 170 @30625 has 41 MA's), (Start: 178 @30637 has 57 MA's), (Start: 246 @30739 has 1 MA's), (275, 30823), (347, 31006), (381, 31072), (388, 31087), (399, 31111), (435, 31198), (454, 31228), (456, 31231), (501, 31288), (525, 31360), (587, 31465), (626, 31552), (652, 31600), (717, 31726), (731, 31762), (780, 31873), (801, 31948), (876, 32125), (886, 32167), (905, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 196

Candidate Starts for BugsBunny_22:

(Start: 134 @19335 has 130 MA's), (Start: 196 @19419 has 48 MA's), (Start: 246 @19497 has 1 MA's), (280, 19584), (286, 19599), (305, 19647), (320, 19686), (361, 19773), (377, 19806), (394, 19842), (402, 19872), (405, 19878), (458, 19947), (477, 19977), (481, 19989), (482, 19992), (512, 20049), (575, 20181), (578, 20187), (602, 20253), (604, 20259), (612, 20283), (628, 20331), (642, 20355), (647, 20364), (672, 20439), (721, 20490), (726, 20505), (786, 20667), (792, 20694), (801, 20724), (843, 20829), (879, 20907), (886, 20943), (889, 20952), (899, 20985), (906, 21000),

Gene: Bugsy_30 Start: 20696, Stop: 22468, Start Num: 149

Candidate Starts for Bugsy_30:

(Start: 128 @20672 has 37 MA's), (Start: 149 @20696 has 636 MA's), (231, 20795), (265, 20879), (284, 20930), (285, 20933), (314, 21005), (315, 21008), (336, 21062), (353, 21101), (389, 21179), (428, 21266), (472, 21347), (476, 21350), (553, 21536), (594, 21623), (648, 21728), (653, 21743), (692, 21869), (697, 21875), (718, 21923), (753, 22001), (755, 22007), (774, 22061), (785, 22100), (788, 22115), (813, 22199), (861, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 149

Candidate Starts for Bumblebee11_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19886 has 1 MA's), (238, 19955), (273, 20033), (280, 20057), (285, 20072), (302, 20108), (315, 20147), (319, 20162), (336, 20201), (378, 20294), (389, 20318), (428, 20405), (487, 20519), (510, 20558), (542, 20645), (560, 20690), (593, 20759), (601, 20783), (606, 20795), (653, 20882), (679, 20957), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (700, 21029), (712, 21062), (730, 21107), (731, 21110), (744, 21131), (813, 21356), (849, 21434), (859, 21461), (861, 21467), (899, 21602),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 146

Candidate Starts for Bunker_19:

(78, 16628), (119, 16712), (Start: 146 @16748 has 12 MA's), (290, 17018), (319, 17102), (405, 17303), (427, 17345), (453, 17381), (467, 17411), (475, 17435), (494, 17477), (509, 17504), (510, 17507), (547, 17561), (550, 17567), (589, 17654), (707, 17948), (738, 18014), (748, 18038), (755, 18056), (795, 18152), (801, 18170), (863, 18329), (887, 18416), (889, 18422), (895, 18443),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 122

Candidate Starts for Bunnies_19:

(Start: 107 @16383 has 2 MA's), (Start: 122 @16407 has 48 MA's), (Start: 170 @16467 has 41 MA's), (183, 16488), (185, 16491), (260, 16611), (274, 16650), (284, 16683), (294, 16707), (344, 16827), (361, 16866), (363, 16872), (399, 16956), (401, 16962), (405, 16974), (413, 16998), (442, 17025), (458, 17043), (473, 17082), (475, 17088), (483, 17112), (512, 17166), (516, 17178), (518, 17187), (545, 17247), (583, 17325), (597, 17364), (609, 17397), (628, 17463), (636, 17478), (642, 17487), (650, 17511), (660, 17541), (667, 17553), (733, 17655), (741, 17667), (744, 17670), (746, 17676), (748, 17685), (784, 17793), (807, 17877), (852, 17976), (889, 18084), (906, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 178

Candidate Starts for Bunnybear_18:

(65, 17559), (66, 17580), (75, 17610), (96, 17664), (Start: 178 @17781 has 57 MA's), (308, 18039), (315, 18057), (316, 18060), (338, 18114), (356, 18153), (372, 18189), (398, 18258), (401, 18267), (423, 18330), (437, 18357), (444, 18366), (445, 18369), (510, 18402), (526, 18459), (528, 18465), (568, 18525), (601, 18603), (610, 18627), (617, 18636), (637, 18660), (653, 18696), (685, 18798), (730, 18855), (749, 18894), (751, 18900), (754, 18906), (766, 18945), (801, 19062), (849, 19185), (873, 19263),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Burger_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 139

Candidate Starts for Burnsey_18:

(119, 15703), (Start: 139 @15730 has 9 MA's), (Start: 149 @15733 has 636 MA's), (274, 15943), (315, 16066), (335, 16117), (373, 16204), (378, 16213), (388, 16234), (395, 16249), (398, 16261), (441, 16339), (449, 16351), (463, 16378), (475, 16411), (487, 16444), (496, 16456), (514, 16498), (584, 16621), (611, 16693), (653, 16771), (657, 16786), (664, 16804), (684, 16861), (731, 16954), (748, 16990), (753, 17002), (755, 17008), (760, 17020), (769, 17029), (794, 17101), (795, 17104), (797, 17110), (801, 17122), (824, 17182), (842, 17227), (847, 17236), (861, 17269), (881, 17335),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 151

Candidate Starts for Burton_28:

(Start: 151 @21234 has 225 MA's), (Start: 167 @21255 has 5 MA's), (Start: 195 @21297 has 1 MA's), (228, 21342), (315, 21558), (333, 21603), (336, 21612), (353, 21651), (377, 21702), (378, 21705), (416, 21798), (476, 21900), (510, 21969), (593, 22170), (594, 22173), (601, 22194), (652, 22290), (653, 22293), (655, 22299), (679, 22368), (684, 22386), (686, 22395), (697, 22425), (731, 22521), (747, 22554), (753, 22569), (795, 22710), (813, 22767), (861, 22878),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 129

Candidate Starts for Burwell21_16:

(Start: 129 @14811 has 222 MA's), (199, 14898), (Start: 233 @14943 has 2 MA's), (242, 14967), (283, 15072), (286, 15078), (292, 15096), (305, 15126), (350, 15231), (376, 15285), (379, 15291), (383, 15300), (394, 15321), (401, 15345), (413, 15381), (415, 15387), (453, 15420), (455, 15423), (460, 15432), (467, 15447), (469, 15453), (475, 15471), (480, 15486), (482, 15492), (490, 15510), (493, 15513), (504, 15528), (511, 15543), (512, 15549), (526, 15597), (531, 15609), (535, 15615), (574, 15675), (579, 15687), (593, 15723), (597, 15735), (624, 15810), (628, 15819), (638, 15837), (642, 15843), (652, 15873), (718, 15978), (722, 15990), (738, 16026), (766, 16104), (801, 16224), (811, 16257), (826, 16287), (829, 16299), (835, 16317), (839, 16323), (841, 16326), (844, 16332), (859, 16347), (860, 16350), (864, 16371), (865, 16374), (881, 16416), (886, 16446), (899, 16488), (900, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Butters_18:

(Start: 134 @14956 has 130 MA's), (155, 14983), (Start: 233 @15088 has 2 MA's), (237, 15100), (254, 15136), (274, 15187), (280, 15208), (283, 15217), (286, 15223), (294, 15244), (301, 15256), (376, 15430), (379, 15436), (388, 15454), (394, 15466), (395, 15469), (401, 15490), (453, 15565), (467, 15592), (475, 15616), (476, 15619), (480, 15631), (504, 15673), (511, 15688), (512, 15694), (515, 15703), (526, 15742), (554, 15796), (574, 15820), (597, 15880), (618, 15946), (624, 15955), (628, 15964), (651, 16015), (652, 16018), (718, 16123), (738, 16171), (763, 16237), (785, 16309), (835, 16462), (841, 16471), (859, 16492), (862, 16507), (865, 16519), (879, 16555), (881, 16561),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 149

Candidate Starts for Button_19:

(36, 14367), (119, 14757), (Start: 139 @14784 has 9 MA's), (Start: 149 @14787 has 636 MA's), (Start: 246 @14928 has 1 MA's), (284, 15027), (301, 15072), (373, 15255), (388, 15285), (402, 15327), (416, 15357), (441, 15387), (449, 15399), (451, 15402), (487, 15492), (517, 15558), (522, 15573), (553, 15609), (560, 15624), (571, 15642), (589, 15681), (591, 15687), (627, 15771), (651, 15807), (652, 15810), (653, 15813), (657, 15828), (664, 15846), (665, 15849), (684, 15903), (748, 16032), (753, 16044), (755, 16050), (758, 16059), (769, 16071), (794, 16143), (795, 16146), (796, 16149), (830, 16245), (861, 16314), (862, 16323), (899, 16452), (901, 16461), (906, 16467),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 151

Candidate Starts for Buttons_29:

(Start: 151 @22075 has 225 MA's), (Start: 167 @22096 has 5 MA's), (Start: 195 @22138 has 1 MA's), (228, 22183), (315, 22399), (333, 22444), (336, 22453), (353, 22492), (377, 22543), (378, 22546), (416, 22639), (476, 22741), (510, 22810), (527, 22870), (593, 23011), (594, 23014), (601, 23035), (652, 23131), (653, 23134), (655, 23140), (679, 23209), (684, 23227), (686, 23236), (697, 23266), (731, 23362), (747, 23395), (753, 23410), (795, 23551), (813, 23608), (861, 23719),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 149

Candidate Starts for Buttrmlkdreams_18:

(119, 15332), (Start: 139 @15359 has 9 MA's), (Start: 149 @15362 has 636 MA's), (274, 15572), (333, 15740), (335, 15746), (361, 15806), (384, 15854), (388, 15863), (398, 15890), (408, 15920), (416, 15935), (441, 15968), (449, 15980), (467, 16016), (487, 16073), (496, 16085), (560, 16205), (572, 16226), (584, 16250), (653, 16400), (657, 16415), (664, 16433), (684, 16490), (748, 16619), (753, 16631), (760, 16649), (769, 16658), (794, 16730), (795, 16733), (797, 16739), (801, 16751), (842, 16856), (847, 16865), (861, 16898),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 149

Candidate Starts for BuzzBuzz_28:

(Start: 149 @20463 has 636 MA's), (Start: 195 @20520 has 1 MA's), (205, 20535), (231, 20568), (238, 20589), (245, 20604), (280, 20691), (284, 20703), (285, 20706), (315, 20781), (319, 20796), (335, 20832), (428, 21039), (487, 21153), (510, 21192), (542, 21279), (593, 21393), (601, 21417), (609,

21435), (653, 21516), (679, 21591), (684, 21609), (692, 21642), (697, 21648), (706, 21687), (730, 21741), (731, 21744), (744, 21765), (763, 21822), (813, 21990), (859, 22095), (861, 22101), (899, 22236),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 129

Candidate Starts for BuzzLyseyear_18:

(Start: 129 @15198 has 222 MA's), (199, 15285), (Start: 233 @15330 has 2 MA's), (242, 15354), (283, 15459), (286, 15465), (292, 15483), (305, 15513), (350, 15618), (379, 15678), (389, 15699), (394, 15708), (401, 15732), (475, 15858), (480, 15873), (482, 15879), (490, 15897), (493, 15900), (504, 15915), (511, 15930), (512, 15936), (526, 15984), (531, 15996), (535, 16002), (574, 16062), (579, 16074), (593, 16110), (597, 16122), (624, 16197), (628, 16206), (638, 16224), (642, 16230), (652, 16260), (718, 16365), (722, 16377), (738, 16413), (766, 16491), (801, 16611), (811, 16644), (826, 16674), (829, 16686), (835, 16704), (839, 16710), (841, 16713), (844, 16719), (859, 16734), (860, 16737), (864, 16758), (865, 16761), (881, 16803), (886, 16833), (899, 16875), (900, 16881),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 151

Candidate Starts for Bxb1_25:

(Start: 151 @21185 has 225 MA's), (Start: 167 @21206 has 5 MA's), (Start: 195 @21248 has 1 MA's), (228, 21293), (315, 21509), (333, 21554), (336, 21563), (353, 21602), (377, 21653), (378, 21656), (476, 21851), (510, 21920), (593, 22121), (594, 22124), (601, 22145), (652, 22241), (653, 22244), (655, 22250), (679, 22319), (684, 22337), (686, 22346), (697, 22376), (731, 22472), (747, 22505), (753, 22520), (795, 22661), (813, 22718), (861, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 149

Candidate Starts for Bxz2_28:

(Start: 149 @20473 has 636 MA's), (Start: 195 @20530 has 1 MA's), (205, 20545), (231, 20578), (238, 20599), (245, 20614), (280, 20701), (284, 20713), (285, 20716), (315, 20791), (319, 20806), (335, 20842), (428, 21049), (487, 21163), (510, 21202), (542, 21289), (593, 21403), (601, 21427), (609, 21445), (653, 21526), (679, 21601), (684, 21619), (692, 21652), (697, 21658), (706, 21697), (730, 21751), (731, 21754), (744, 21775), (763, 21832), (813, 22000), (859, 22105), (861, 22111), (899, 22246),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 129

Candidate Starts for ByChance_16:

(Start: 129 @14817 has 222 MA's), (199, 14904), (Start: 233 @14949 has 2 MA's), (242, 14973), (283, 15078), (286, 15084), (292, 15102), (305, 15132), (350, 15237), (379, 15297), (389, 15318), (394, 15327), (401, 15351), (453, 15426), (455, 15429), (475, 15477), (480, 15492), (482, 15498), (504, 15534), (511, 15549), (512, 15555), (526, 15603), (531, 15615), (535, 15621), (574, 15681), (579, 15693), (593, 15729), (597, 15741), (624, 15816), (628, 15825), (638, 15843), (642, 15849), (652, 15879), (718, 15984), (722, 15996), (738, 16032), (766, 16110), (801, 16230), (811, 16263), (826, 16293), (835, 16323), (841, 16332), (844, 16338), (859, 16353), (860, 16356), (865, 16380), (876, 16410), (881, 16422), (886, 16452), (899, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 129

Candidate Starts for Byougenkin_16:

(Start: 129 @14826 has 222 MA's), (199, 14913), (Start: 233 @14958 has 2 MA's), (242, 14982), (283, 15087), (286, 15093), (292, 15111), (305, 15141), (350, 15246), (379, 15306), (389, 15327), (394, 15336), (399, 15354), (401, 15360), (475, 15486), (480, 15501), (482, 15507), (504, 15543), (506, 15546), (511, 15558), (512, 15564), (526, 15612), (531, 15624), (535, 15630), (574, 15690), (579, 15702), (593, 15738), (597, 15750), (624, 15825), (628, 15834), (638, 15852), (642, 15858), (652, 15888), (718, 15993), (721, 16002), (722, 16005), (738, 16041), (763, 16107), (766, 16119), (794, 16218), (801, 16239), (811, 16272), (826, 16302), (835, 16332), (841, 16341), (844, 16347), (859, 16362), (860, 16365), (865, 16389), (881, 16431), (886, 16461), (899, 16503), (900, 16509),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 149

Candidate Starts for C3_26:

(98, 20126), (Start: 128 @20168 has 37 MA's), (Start: 149 @20192 has 636 MA's), (284, 20426), (285, 20429), (314, 20501), (315, 20504), (319, 20519), (336, 20558), (339, 20564), (389, 20675), (397, 20693), (401, 20708), (428, 20762), (472, 20843), (476, 20846), (542, 21002), (553, 21032), (596, 21125), (653, 21239), (692, 21365), (747, 21500), (753, 21515), (761, 21539), (785, 21614), (786, 21617), (788, 21629), (813, 21713), (849, 21791), (859, 21818), (861, 21824), (872, 21869), (876, 21878), (899, 21959),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 171

Candidate Starts for C3PO_31:

(Start: 171 @28482 has 8 MA's), (249, 28581), (273, 28650), (285, 28689), (336, 28824), (363, 28884), (438, 29037), (446, 29049), (452, 29058), (454, 29061), (492, 29106), (501, 29121), (506, 29130), (510, 29139), (525, 29193), (533, 29211), (570, 29265), (666, 29481), (722, 29574), (774, 29682), (788, 29736), (810, 29811), (866, 29940), (904, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for CLED96_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 149

Candidate Starts for CRB1_28:

(Start: 128 @20159 has 37 MA's), (Start: 149 @20183 has 636 MA's), (231, 20282), (284, 20417), (285, 20420), (314, 20492), (315, 20495), (336, 20549), (339, 20555), (353, 20588), (389, 20666), (428, 20753), (472, 20834), (476, 20837), (553, 21023), (594, 21110), (648, 21215), (653, 21230), (692, 21356), (697, 21362), (718, 21410), (747, 21473), (753, 21488), (755, 21494), (764, 21524), (774, 21548), (785, 21587), (788, 21602), (813, 21686),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for CREW_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 129

Candidate Starts for Cabrinians_16:

(Start: 129 @14807 has 222 MA's), (199, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (283, 15068), (286, 15074), (292, 15092), (305, 15122), (350, 15227), (379, 15287), (389, 15308), (394, 15317), (401, 15341), (453, 15416), (455, 15419), (475, 15467), (480, 15482), (482, 15488), (504, 15524), (506, 15527), (511, 15539), (512, 15545), (526, 15593), (531, 15605), (535, 15611), (574, 15671), (579, 15683), (593, 15719), (597, 15731), (624, 15806), (628, 15815), (638, 15833), (642, 15839), (652, 15869), (718, 15974), (722, 15986), (738, 16022), (766, 16100), (801, 16220), (811, 16253), (826, 16283), (835, 16313), (841, 16322), (844, 16328), (859, 16343), (860, 16346), (865, 16370), (876, 16400), (881, 16412), (886, 16442), (899, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 134

Candidate Starts for Cactus_25:

(Start: 134 @18958 has 130 MA's), (Start: 196 @19042 has 48 MA's), (Start: 246 @19120 has 1 MA's), (280, 19207), (286, 19222), (305, 19270), (320, 19309), (361, 19396), (377, 19429), (394, 19465), (402, 19495), (405, 19501), (458, 19570), (477, 19600), (481, 19612), (482, 19615), (512, 19672), (575, 19804), (578, 19810), (602, 19876), (604, 19882), (612, 19906), (628, 19954), (642, 19978), (647, 19987), (672, 20062), (721, 20113), (726, 20128), (786, 20290), (792, 20317), (801, 20347), (843, 20452), (879, 20530), (886, 20566), (889, 20575), (899, 20608), (906, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for CactusJack_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891), (458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 151

Candidate Starts for CactusRose_26:

(Start: 151 @21034 has 225 MA's), (Start: 167 @21055 has 5 MA's), (Start: 195 @21097 has 1 MA's), (228, 21142), (315, 21358), (333, 21403), (336, 21412), (377, 21502), (416, 21598), (476, 21700), (510, 21769), (593, 21970), (594, 21973), (601, 21994), (652, 22090), (653, 22093), (655, 22099), (679, 22168), (684, 22186), (686, 22195), (697, 22225), (731, 22321), (747, 22354), (753, 22369), (763, 22399), (795, 22510), (813, 22567), (861, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Caelakin_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 157

Candidate Starts for Cafasso_19:

(Start: 146 @16533 has 12 MA's), (Start: 157 @16548 has 6 MA's), (162, 16554), (Start: 181 @16584 has 3 MA's), (188, 16593), (304, 16827), (315, 16860), (334, 16908), (366, 16983), (388, 17028), (428, 17118), (441, 17133), (469, 17187), (472, 17196), (487, 17229), (508, 17262), (510, 17268), (628, 17502), (639, 17514), (652, 17541), (660, 17574), (675, 17613), (679, 17622), (700, 17694), (720, 17709), (731, 17733), (753, 17781), (791, 17868), (797, 17889), (820, 17955), (849, 18021), (864, 18069), (890, 18159), (907, 18207),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 118

Candidate Starts for Cain_22:

(Start: 111 @16329 has 26 MA's), (Start: 118 @16338 has 152 MA's), (143, 16368), (Start: 233 @16494 has 2 MA's), (238, 16509), (Start: 246 @16527 has 1 MA's), (262, 16560), (273, 16590), (288, 16635), (317, 16725), (333, 16761), (365, 16839), (369, 16848), (405, 16932), (408, 16941), (412, 16953), (413, 16956), (420, 16974), (428, 16995), (445, 17010), (455, 17022), (459, 17028), (475,

17070), (477, 17076), (582, 17259), (603, 17319), (644, 17403), (649, 17421), (669, 17481), (691, 17556), (718, 17580), (749, 17640), (761, 17673), (762, 17676), (768, 17694), (776, 17715), (795, 17790), (811, 17841), (813, 17847), (824, 17868), (862, 17940), (879, 17991), (900, 18075), (901, 18078), (910, 18096),

Gene: Caitlin_23 Start: 18652, Stop: 20442, Start Num: 149

Candidate Starts for Caitlin_23:

(Start: 128 @18628 has 37 MA's), (Start: 149 @18652 has 636 MA's), (226, 18745), (Start: 246 @18790 has 1 MA's), (285, 18889), (302, 18925), (315, 18964), (319, 18979), (335, 19015), (389, 19135), (393, 19141), (455, 19261), (514, 19390), (542, 19462), (593, 19576), (684, 19792), (692, 19825), (731, 19927), (747, 19960), (753, 19975), (763, 20005), (858, 20275), (861, 20284), (862, 20293), (895, 20407),

Gene: CallaLilly_23 Start: 17111, Stop: 18877, Start Num: 118

Candidate Starts for CallaLilly_23:

(Start: 118 @17111 has 152 MA's), (143, 17141), (Start: 246 @17300 has 1 MA's), (262, 17333), (273, 17363), (283, 17396), (288, 17408), (317, 17498), (335, 17540), (365, 17612), (369, 17621), (389, 17660), (405, 17705), (412, 17726), (413, 17729), (445, 17783), (459, 17801), (475, 17843), (477, 17849), (487, 17876), (574, 18014), (582, 18032), (597, 18074), (603, 18092), (614, 18122), (628, 18149), (669, 18254), (749, 18413), (762, 18449), (773, 18479), (776, 18488), (795, 18563), (811, 18614), (889, 18809), (900, 18848), (901, 18851), (910, 18869),

Gene: Calvinny_30 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Calvinny_30:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (587, 21369), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (700, 21660), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 137

Candidate Starts for Cambiare_19:

(Start: 111 @17370 has 26 MA's), (Start: 137 @17379 has 56 MA's), (162, 17409), (205, 17472), (207, 17475), (221, 17493), (238, 17526), (261, 17574), (262, 17577), (315, 17733), (319, 17748), (358, 17838), (378, 17880), (408, 17958), (459, 18054), (467, 18072), (475, 18096), (477, 18102), (496, 18141), (512, 18177), (532, 18222), (574, 18267), (610, 18363), (612, 18372), (644, 18429), (669, 18507), (679, 18534), (688, 18570), (735, 18624), (761, 18687), (772, 18717), (801, 18822), (808, 18846), (826, 18885), (847, 18936), (901, 19092), (903, 19095),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 149

Candidate Starts for Camperdownii_26:

(Start: 128 @19422 has 37 MA's), (Start: 149 @19446 has 636 MA's), (Start: 153 @19452 has 10 MA's), (Start: 195 @19506 has 1 MA's), (205, 19521), (238, 19575), (Start: 246 @19593 has 1 MA's), (280, 19677), (284, 19689), (285, 19692), (315, 19767), (319, 19782), (336, 19821), (389, 19938), (428, 20025), (472, 20106), (499, 20154), (510, 20178), (542, 20265), (560, 20310), (594, 20382), (601, 20403), (609, 20421), (653, 20502), (684, 20595), (686, 20604), (692, 20628), (697, 20634), (702, 20658), (731, 20712), (744, 20733), (761, 20784), (770, 20808), (786, 20862), (813, 20958), (859, 21063), (862, 21078), (893, 21186), (899, 21204),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Camri_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339,

17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 122

Candidate Starts for Camster_19:

(Start: 107 @16362 has 2 MA's), (Start: 122 @16386 has 48 MA's), (Start: 170 @16446 has 41 MA's), (183, 16467), (185, 16470), (260, 16590), (274, 16629), (284, 16662), (294, 16686), (344, 16806), (361, 16845), (363, 16851), (399, 16935), (401, 16941), (405, 16953), (413, 16977), (442, 17004), (458, 17022), (473, 17061), (475, 17067), (483, 17091), (512, 17145), (516, 17157), (518, 17166), (545, 17226), (583, 17304), (597, 17343), (609, 17376), (628, 17442), (636, 17457), (642, 17466), (650, 17490), (660, 17520), (667, 17532), (733, 17634), (741, 17646), (744, 17649), (746, 17655), (748, 17664), (784, 17772), (807, 17856), (852, 17955), (889, 18063), (906, 18111),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 149

Candidate Starts for Candra_31:

(98, 19946), (Start: 128 @19988 has 37 MA's), (Start: 149 @20012 has 636 MA's), (285, 20249), (314, 20321), (315, 20324), (319, 20339), (336, 20378), (339, 20384), (389, 20495), (393, 20501), (405, 20540), (428, 20582), (455, 20621), (472, 20663), (476, 20666), (542, 20822), (603, 20963), (609, 20978), (653, 21059), (697, 21191), (753, 21317), (771, 21368), (774, 21377), (785, 21416), (786, 21419), (788, 21431), (813, 21515), (859, 21620), (861, 21626), (899, 21761),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 139

Candidate Starts for CanesSauce_18:

(Start: 139 @15395 has 9 MA's), (Start: 149 @15398 has 636 MA's), (226, 15500), (Start: 233 @15512 has 2 MA's), (274, 15608), (302, 15692), (335, 15782), (361, 15842), (373, 15869), (388, 15899), (389, 15902), (416, 15971), (441, 16004), (449, 16016), (451, 16019), (461, 16040), (463, 16043), (487, 16109), (496, 16121), (584, 16286), (653, 16436), (657, 16451), (664, 16469), (684, 16526), (753, 16667), (755, 16673), (760, 16685), (769, 16694), (794, 16766), (795, 16769), (797, 16775), (801, 16787), (842, 16892), (847, 16901), (861, 16934),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Capricorn_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 215

Candidate Starts for CaptainKirk2_19:

(187, 16638), (Start: 215 @16674 has 57 MA's), (266, 16776), (293, 16848), (296, 16854), (298, 16857), (340, 16953), (357, 16992), (392, 17073), (410, 17127), (415, 17142), (476, 17238), (512, 17313), (521, 17343), (604, 17526), (612, 17550), (659, 17694), (664, 17706), (713, 17766), (762, 17898), (763, 17901), (792, 18000), (797, 18018), (813, 18069), (842, 18135), (871, 18198), (876, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 129

Candidate Starts for CaptainTrips_17:

(Start: 129 @15501 has 222 MA's), (199, 15588), (Start: 233 @15633 has 2 MA's), (242, 15657), (253, 15678), (283, 15762), (286, 15768), (292, 15786), (305, 15816), (350, 15921), (379, 15981), (389,

16002), (394, 16011), (399, 16029), (401, 16035), (475, 16161), (480, 16176), (482, 16182), (504, 16218), (506, 16221), (511, 16233), (512, 16239), (526, 16287), (531, 16299), (535, 16305), (574, 16365), (579, 16377), (593, 16413), (597, 16425), (624, 16500), (628, 16509), (638, 16527), (642, 16533), (652, 16563), (718, 16668), (721, 16677), (722, 16680), (738, 16716), (766, 16794), (794, 16893), (801, 16914), (811, 16947), (826, 16977), (835, 17007), (841, 17016), (844, 17022), (859, 17037), (860, 17040), (865, 17064), (876, 17094), (881, 17106), (886, 17136), (899, 17178),

Gene: CaramellLatte_18 Start: 15395, Stop: 17095, Start Num: 139

Candidate Starts for CaramellLatte_18:

(Start: 139 @15395 has 9 MA's), (Start: 149 @15398 has 636 MA's), (226, 15500), (Start: 233 @15512 has 2 MA's), (274, 15608), (302, 15692), (335, 15782), (361, 15842), (373, 15869), (388, 15899), (389, 15902), (416, 15971), (441, 16004), (449, 16016), (451, 16019), (461, 16040), (463, 16043), (487, 16109), (496, 16121), (584, 16286), (653, 16436), (657, 16451), (664, 16469), (684, 16526), (753, 16667), (755, 16673), (760, 16685), (769, 16694), (794, 16766), (795, 16769), (797, 16775), (801, 16787), (842, 16892), (847, 16901), (861, 16934),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 149

Candidate Starts for Caraxes_27:

(98, 18769), (Start: 128 @18811 has 37 MA's), (Start: 149 @18835 has 636 MA's), (Start: 167 @18844 has 5 MA's), (255, 18988), (284, 19069), (285, 19072), (314, 19144), (315, 19147), (319, 19162), (336, 19201), (339, 19207), (389, 19318), (393, 19324), (401, 19351), (428, 19405), (472, 19486), (476, 19489), (542, 19645), (553, 19675), (593, 19759), (609, 19801), (639, 19852), (653, 19882), (692, 20008), (710, 20062), (721, 20089), (726, 20098), (731, 20110), (747, 20143), (753, 20158), (761, 20182), (785, 20257), (786, 20260), (788, 20272), (813, 20356), (859, 20461), (872, 20512), (876, 20521), (899, 20602),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Carcharodon_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 145

Candidate Starts for Cardigan_47:

(Start: 145 @30787 has 2 MA's), (192, 30853), (Start: 196 @30859 has 48 MA's), (234, 30916), (294, 31075), (301, 31087), (353, 31213), (375, 31261), (480, 31411), (509, 31462), (512, 31474), (514, 31480), (579, 31621), (587, 31636), (681, 31903), (761, 32032), (763, 32038), (765, 32047), (786, 32110), (795, 32149), (798, 32158), (813, 32206), (848, 32281), (875, 32341), (887, 32389), (895, 32416), (897, 32425), (899, 32428),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 151

Candidate Starts for Carlyle_29:

(Start: 151 @21914 has 225 MA's), (Start: 167 @21935 has 5 MA's), (Start: 195 @21977 has 1 MA's), (228, 22022), (315, 22238), (333, 22283), (336, 22292), (353, 22331), (377, 22382), (378, 22385), (476, 22580), (510, 22649), (593, 22850), (594, 22853), (601, 22874), (652, 22970), (653, 22973), (655, 22979), (679, 23048), (684, 23066), (697, 23105), (731, 23201), (747, 23234), (753, 23249), (795, 23390), (813, 23447), (861, 23558), (907, 23711),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 215

Candidate Starts for CarolAnn_19:

(187, 16581), (Start: 215 @16617 has 57 MA's), (266, 16719), (296, 16797), (298, 16800), (340, 16896), (357, 16935), (392, 17016), (410, 17070), (415, 17085), (512, 17256), (521, 17286), (604, 17469), (612, 17493), (625, 17544), (659, 17637), (664, 17649), (682, 17694), (713, 17709), (762, 17841), (763, 17844), (792, 17943), (797, 17961), (813, 18012), (838, 18072), (842, 18078), (871, 18141), (876, 18153),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 139

Candidate Starts for Carsonalex_19:

(Start: 139 @15787 has 9 MA's), (Start: 149 @15790 has 636 MA's), (274, 16000), (315, 16123), (335, 16174), (373, 16261), (395, 16306), (398, 16318), (441, 16396), (449, 16408), (463, 16435), (475, 16468), (487, 16501), (496, 16513), (514, 16555), (584, 16678), (611, 16750), (653, 16828), (657, 16843), (664, 16861), (684, 16918), (731, 17011), (748, 17047), (753, 17059), (755, 17065), (760, 17077), (769, 17086), (794, 17158), (795, 17161), (797, 17167), (801, 17179), (824, 17239), (842, 17284), (847, 17293), (861, 17326), (881, 17392),

Gene: CartmannCramer_27 Start: 23195, Stop: 24934, Start Num: 195

Candidate Starts for CartmannCramer_27:

(Start: 151 @23132 has 225 MA's), (Start: 167 @23153 has 5 MA's), (Start: 195 @23195 has 1 MA's), (228, 23240), (315, 23456), (333, 23501), (336, 23510), (353, 23549), (377, 23600), (378, 23603), (476, 23798), (510, 23867), (527, 23927), (593, 24068), (594, 24071), (601, 24092), (652, 24188), (653, 24191), (655, 24197), (679, 24266), (684, 24284), (686, 24293), (697, 24323), (731, 24419), (747, 24452), (753, 24467), (795, 24608), (813, 24665), (861, 24776),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for CaseJules_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 117

Candidate Starts for Cashline_20:

(Start: 100 @17366 has 1 MA's), (Start: 117 @17390 has 26 MA's), (230, 17537), (265, 17612), (313, 17726), (373, 17873), (377, 17879), (470, 18062), (508, 18137), (652, 18419), (658, 18440), (684, 18515), (719, 18602), (740, 18638), (753, 18671), (755, 18677), (787, 18743), (795, 18773), (859, 18929), (861, 18935), (864, 18953), (896, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for CassieYates_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: CatBus_29 Start: 22615, Stop: 24417, Start Num: 151

Candidate Starts for CatBus_29:

(Start: 151 @22615 has 225 MA's), (Start: 167 @22636 has 5 MA's), (Start: 195 @22678 has 1 MA's), (228, 22723), (315, 22939), (333, 22984), (336, 22993), (353, 23032), (377, 23083), (378, 23086),

(476, 23281), (510, 23350), (593, 23551), (594, 23554), (601, 23575), (652, 23671), (653, 23674), (655, 23680), (679, 23749), (684, 23767), (686, 23776), (697, 23806), (731, 23902), (747, 23935), (753, 23950), (763, 23980), (795, 24091), (813, 24148), (861, 24259), (907, 24412),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 113

Candidate Starts for Catdawg_56:

(Start: 106 @33515 has 2 MA's), (Start: 113 @33524 has 28 MA's), (Start: 179 @33614 has 33 MA's), (253, 33731), (265, 33767), (275, 33788), (283, 33815), (286, 33821), (308, 33875), (330, 33926), (394, 34064), (396, 34070), (412, 34121), (413, 34124), (427, 34142), (475, 34193), (482, 34214), (483, 34217), (511, 34265), (512, 34271), (526, 34319), (528, 34325), (531, 34331), (563, 34391), (574, 34415), (575, 34418), (593, 34463), (598, 34478), (601, 34487), (604, 34496), (618, 34541), (628, 34559), (647, 34592), (722, 34730), (730, 34751), (758, 34817), (768, 34847), (784, 34901), (794, 34943), (801, 34964), (807, 34985), (811, 34997), (821, 35018), (844, 35072), (879, 35150), (886, 35186), (892, 35207), (900, 35234),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Caviar_28:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Cedasite_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Celestialunch_28 Start: 19691, Stop: 21481, Start Num: 149

Candidate Starts for Celestialunch_28:

(98, 19625), (Start: 128 @19667 has 37 MA's), (Start: 149 @19691 has 636 MA's), (255, 19844), (284, 19925), (285, 19928), (314, 20000), (315, 20003), (336, 20057), (339, 20063), (361, 20114), (373, 20141), (377, 20147), (389, 20174), (393, 20180), (405, 20219), (408, 20228), (428, 20261), (472, 20342), (476, 20345), (506, 20405), (546, 20507), (550, 20516), (553, 20531), (587, 20594), (609, 20657), (653, 20738), (692, 20864), (706, 20909), (730, 20963), (731, 20966), (753, 21014), (761, 21038), (785, 21113), (788, 21128), (813, 21212), (859, 21317), (861, 21323), (872, 21368), (900, 21464),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 149

Candidate Starts for Centaur_30:

(Start: 128 @20629 has 37 MA's), (Start: 149 @20653 has 636 MA's), (245, 20788), (284, 20887), (285, 20890), (314, 20962), (315, 20965), (336, 21019), (339, 21025), (366, 21088), (389, 21136), (401, 21169), (428, 21223), (472, 21304), (476, 21307), (487, 21337), (553, 21493), (594, 21580), (653, 21700), (691, 21823), (692, 21826), (697, 21832), (718, 21880), (747, 21943), (753, 21958), (755, 21964), (774, 22018), (785, 22057), (788, 22072), (797, 22105), (811, 22150), (859, 22261), (861, 22267), (876, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for CentreCat_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Cerasum_17:

(Start: 129 @14635 has 222 MA's), (199, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (283, 14896), (286, 14902), (292, 14920), (305, 14950), (350, 15055), (379, 15115), (389, 15136), (394, 15145), (401, 15169), (453, 15244), (455, 15247), (475, 15295), (480, 15310), (482, 15316), (504, 15352), (506, 15355), (511, 15367), (512, 15373), (526, 15421), (531, 15433), (535, 15439), (574, 15499), (579, 15511), (593, 15547), (597, 15559), (624, 15634), (628, 15643), (638, 15661), (642, 15667), (652, 15697), (718, 15802), (721, 15811), (722, 15814), (738, 15850), (766, 15928), (794, 16027), (801, 16048), (811, 16081), (826, 16111), (835, 16141), (841, 16150), (844, 16156), (859, 16171), (860, 16174), (865, 16198), (876, 16228), (881, 16240), (886, 16270), (899, 16312),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 149

Candidate Starts for Cerulean_28:

(Start: 128 @20115 has 37 MA's), (Start: 149 @20139 has 636 MA's), (Start: 153 @20145 has 10 MA's), (Start: 195 @20199 has 1 MA's), (205, 20214), (238, 20268), (Start: 246 @20286 has 1 MA's), (280, 20370), (284, 20382), (285, 20385), (315, 20460), (319, 20475), (336, 20514), (389, 20631), (428, 20718), (472, 20799), (499, 20847), (510, 20871), (542, 20958), (560, 21003), (594, 21075), (601, 21096), (609, 21114), (653, 21195), (679, 21270), (684, 21288), (686, 21297), (692, 21321), (697, 21327), (702, 21351), (726, 21393), (731, 21405), (744, 21426), (761, 21477), (770, 21501), (786, 21555), (813, 21651), (859, 21756), (862, 21771), (893, 21879), (899, 21897),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 102

Candidate Starts for ChadMasterC_35:

(94, 31664), (Start: 102 @31682 has 86 MA's), (Start: 126 @31718 has 1 MA's), (231, 31856), (272, 31952), (275, 31961), (297, 32030), (315, 32081), (333, 32126), (377, 32222), (397, 32267), (399, 32276), (453, 32366), (467, 32396), (472, 32411), (480, 32435), (496, 32465), (558, 32570), (609, 32687), (616, 32705), (620, 32720), (648, 32750), (652, 32762), (653, 32765), (660, 32792), (795, 33116), (796, 33119), (811, 33167), (824, 33194), (833, 33221), (859, 33275), (865, 33302), (901, 33431),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 149

Candidate Starts for Chadwick_25:

(Start: 149 @18946 has 636 MA's), (285, 19183), (315, 19258), (319, 19273), (335, 19309), (366, 19381), (373, 19396), (389, 19429), (393, 19435), (487, 19630), (506, 19660), (509, 19666), (542, 19756), (560, 19801), (593, 19870), (609, 19912), (615, 19930), (652, 19990), (653, 19993), (684, 20086), (730, 20227), (747, 20263), (858, 20578), (861, 20587), (899, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 149

Candidate Starts for ChampagnePapi_28:

(Start: 128 @20114 has 37 MA's), (Start: 149 @20138 has 636 MA's), (Start: 153 @20144 has 10 MA's), (Start: 195 @20198 has 1 MA's), (205, 20213), (238, 20267), (Start: 246 @20285 has 1 MA's), (280, 20369), (284, 20381), (285, 20384), (315, 20459), (319, 20474), (336, 20513), (389, 20630), (428, 20717), (472, 20798), (499, 20846), (510, 20870), (542, 20957), (560, 21002), (594, 21074), (601, 21095), (609, 21113), (653, 21194), (679, 21269), (684, 21287), (686, 21296), (692, 21320),

(697, 21326), (702, 21350), (726, 21392), (731, 21404), (744, 21425), (761, 21476), (770, 21500), (786, 21554), (813, 21650), (859, 21755), (862, 21770), (893, 21878), (899, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 151

Candidate Starts for Chanagan_26:

(Start: 151 @20699 has 225 MA's), (Start: 167 @20720 has 5 MA's), (Start: 195 @20762 has 1 MA's), (228, 20807), (315, 21023), (333, 21068), (336, 21077), (353, 21116), (377, 21167), (378, 21170), (416, 21263), (476, 21365), (510, 21434), (593, 21635), (594, 21638), (601, 21659), (652, 21755), (653, 21758), (655, 21764), (679, 21833), (684, 21851), (686, 21860), (697, 21890), (731, 21986), (747, 22019), (753, 22034), (795, 22175), (813, 22232), (861, 22343),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Chance64_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 118

Candidate Starts for Chancellor_24:

(Start: 95 @18594 has 1 MA's), (Start: 111 @18624 has 26 MA's), (Start: 116 @18630 has 42 MA's), (Start: 118 @18633 has 152 MA's), (Start: 171 @18690 has 8 MA's), (205, 18738), (Start: 233 @18777 has 2 MA's), (238, 18792), (Start: 246 @18810 has 1 MA's), (262, 18843), (273, 18873), (288, 18918), (294, 18936), (317, 19008), (319, 19014), (333, 19044), (361, 19110), (365, 19122), (420, 19257), (455, 19305), (459, 19311), (467, 19329), (477, 19359), (496, 19398), (574, 19524), (597, 19584), (598, 19587), (604, 19605), (610, 19620), (669, 19788), (686, 19842), (718, 19887), (739, 19932), (749, 19956), (761, 19989), (773, 20022), (792, 20094), (795, 20106), (811, 20157), (813, 20163), (864, 20265), (900, 20391), (910, 20412),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 149

Candidate Starts for Changeling_30:

(Start: 128 @21996 has 37 MA's), (Start: 149 @22020 has 636 MA's), (284, 22254), (285, 22257), (314, 22329), (315, 22332), (336, 22386), (353, 22425), (389, 22503), (428, 22590), (472, 22671), (476, 22674), (553, 22860), (593, 22944), (594, 22947), (609, 22986), (639, 23037), (648, 23052), (653, 23067), (697, 23199), (718, 23247), (744, 23298), (747, 23310), (753, 23325), (755, 23331), (774, 23385), (788, 23439), (813, 23523), (842, 23589), (849, 23601), (859, 23628), (861, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 149

Candidate Starts for Chaph_27:

(Start: 128 @19812 has 37 MA's), (Start: 149 @19836 has 636 MA's), (Start: 195 @19893 has 1 MA's), (Start: 233 @19947 has 2 MA's), (238, 19962), (Start: 246 @19980 has 1 MA's), (280, 20064), (284, 20076), (285, 20079), (315, 20154), (319, 20169), (336, 20208), (389, 20325), (428, 20412), (472, 20493), (499, 20541), (510, 20565), (542, 20652), (560, 20697), (594, 20769), (601, 20790), (609, 20808), (653, 20889), (684, 20982), (686, 20991), (692, 21015), (697, 21021), (702, 21045), (731, 21099), (744, 21120), (761, 21171), (770, 21195), (786, 21249), (813, 21345), (859, 21450), (862, 21465), (893, 21573), (899, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 149

Candidate Starts for Chargerpower_29:

(Start: 146 @19507 has 12 MA's), (Start: 149 @19510 has 636 MA's), (228, 19606), (257, 19666), (267, 19699), (285, 19747), (304, 19789), (314, 19819), (315, 19822), (336, 19876), (339, 19882),

(389, 19993), (405, 20038), (408, 20047), (428, 20080), (476, 20164), (506, 20224), (587, 20413), (609, 20476), (692, 20683), (718, 20737), (731, 20767), (736, 20776), (753, 20815), (761, 20839), (785, 20914), (786, 20917), (788, 20929), (859, 21118), (861, 21124), (872, 21169), (899, 21259),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Charlie_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 149

Candidate Starts for Charm_28:

(98, 19634), (Start: 128 @19676 has 37 MA's), (Start: 149 @19700 has 636 MA's), (284, 19934), (285, 19937), (314, 20009), (315, 20012), (321, 20030), (336, 20066), (339, 20072), (361, 20123), (373, 20150), (377, 20156), (389, 20183), (393, 20189), (428, 20270), (472, 20351), (476, 20354), (506, 20414), (587, 20603), (609, 20666), (639, 20717), (653, 20747), (692, 20873), (731, 20975), (736, 20984), (747, 21008), (753, 21023), (761, 21047), (785, 21122), (788, 21137), (813, 21221), (859, 21326), (861, 21332), (876, 21386), (889, 21434),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 102

Candidate Starts for Charming_35:

(94, 30299), (Start: 102 @30317 has 86 MA's), (Start: 126 @30353 has 1 MA's), (231, 30491), (272, 30587), (275, 30596), (297, 30665), (315, 30716), (333, 30761), (339, 30776), (377, 30857), (397, 30902), (399, 30911), (453, 31001), (455, 31004), (467, 31031), (472, 31046), (480, 31070), (496, 31100), (609, 31322), (616, 31340), (620, 31355), (648, 31385), (652, 31397), (653, 31400), (660, 31427), (794, 31748), (795, 31751), (796, 31754), (811, 31802), (824, 31829), (833, 31856), (859, 31910), (864, 31934), (865, 31937), (907, 32075),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 149

Candidate Starts for Chartreuse_31:

(98, 19857), (Start: 128 @19899 has 37 MA's), (Start: 149 @19923 has 636 MA's), (273, 20121), (285, 20160), (314, 20232), (315, 20235), (321, 20253), (336, 20289), (339, 20295), (389, 20406), (393, 20412), (405, 20451), (428, 20493), (455, 20532), (472, 20574), (476, 20577), (506, 20637), (603, 20874), (609, 20889), (653, 20970), (697, 21102), (753, 21228), (771, 21279), (774, 21288), (785, 21327), (786, 21330), (788, 21342), (813, 21426), (859, 21531), (861, 21537), (899, 21672),

Gene: Chavito_23 Start: 16524, Stop: 18290, Start Num: 118

Candidate Starts for Chavito_23:

(Start: 111 @16515 has 26 MA's), (Start: 118 @16524 has 152 MA's), (Start: 121 @16530 has 18 MA's), (143, 16554), (Start: 171 @16593 has 8 MA's), (Start: 233 @16680 has 2 MA's), (238, 16695), (Start: 246 @16713 has 1 MA's), (262, 16746), (273, 16776), (288, 16821), (294, 16839), (317, 16911), (333, 16947), (365, 17025), (369, 17034), (398, 17097), (412, 17139), (413, 17142), (427, 17178), (428, 17181), (455, 17208), (459, 17214), (475, 17256), (477, 17262), (487, 17289), (574, 17427), (582, 17445), (614, 17535), (628, 17562), (647, 17595), (669, 17667), (686, 17721), (721, 17775), (723, 17781), (749, 17826), (761, 17859), (765, 17874), (773, 17892), (776, 17901), (795, 17976), (811, 18027), (813, 18033), (862, 18126), (889, 18222), (900, 18261), (901, 18264), (910, 18282),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 149

Candidate Starts for Che12_30:

(Start: 128 @19064 has 37 MA's), (Start: 149 @19088 has 636 MA's), (255, 19241), (284, 19322), (285, 19325), (315, 19400), (319, 19415), (336, 19454), (339, 19460), (389, 19571), (393, 19577), (401, 19604), (428, 19658), (472, 19739), (476, 19742), (542, 19898), (553, 19928), (609, 20054), (639, 20105), (648, 20120), (653, 20135), (692, 20261), (721, 20342), (726, 20351), (747, 20396), (753, 20411), (761, 20435), (785, 20510), (786, 20513), (788, 20525), (813, 20609), (859, 20714), (876, 20774), (899, 20855),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 129

Candidate Starts for Che8_16:

(Start: 129 @14833 has 222 MA's), (199, 14920), (Start: 215 @14941 has 57 MA's), (Start: 233 @14965 has 2 MA's), (242, 14989), (253, 15010), (283, 15094), (286, 15100), (292, 15118), (305, 15148), (350, 15253), (379, 15313), (389, 15334), (394, 15343), (399, 15361), (401, 15367), (453, 15442), (475, 15493), (480, 15508), (482, 15514), (504, 15550), (506, 15553), (511, 15565), (512, 15571), (526, 15619), (531, 15631), (535, 15637), (574, 15697), (579, 15709), (593, 15745), (597, 15757), (624, 15832), (628, 15841), (638, 15859), (642, 15865), (652, 15895), (718, 16000), (721, 16009), (722, 16012), (738, 16048), (753, 16084), (754, 16087), (766, 16126), (794, 16225), (801, 16246), (811, 16279), (826, 16309), (834, 16336), (835, 16339), (841, 16348), (844, 16354), (859, 16369), (860, 16372), (864, 16393), (865, 16396), (881, 16438), (886, 16468), (899, 16510),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 153

Candidate Starts for Che9d_19:

(Start: 153 @13752 has 10 MA's), (Start: 214 @13833 has 22 MA's), (Start: 233 @13863 has 2 MA's), (241, 13884), (248, 13896), (275, 13962), (287, 14001), (290, 14013), (301, 14037), (318, 14094), (319, 14097), (331, 14121), (333, 14127), (334, 14130), (353, 14175), (361, 14193), (378, 14229), (428, 14340), (455, 14376), (467, 14403), (471, 14415), (472, 14418), (475, 14427), (487, 14460), (496, 14472), (509, 14496), (641, 14742), (653, 14769), (656, 14781), (681, 14832), (684, 14847), (713, 14901), (726, 14928), (795, 15090), (796, 15093), (797, 15096), (842, 15213), (861, 15255), (884, 15339), (896, 15384), (901, 15402),

Gene: CheeseSpider_22 Start: 17016, Stop: 18662, Start Num: 215

Candidate Starts for CheeseSpider_22:

(187, 16980), (Start: 215 @17016 has 57 MA's), (266, 17118), (296, 17196), (340, 17295), (357, 17334), (382, 17394), (392, 17415), (403, 17451), (410, 17469), (415, 17484), (447, 17517), (471, 17565), (472, 17568), (512, 17655), (521, 17685), (604, 17868), (612, 17892), (659, 18036), (664, 18048), (713, 18108), (762, 18240), (763, 18243), (792, 18342), (797, 18360), (813, 18411), (838, 18471), (842, 18477), (871, 18540), (876, 18552),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 149

Candidate Starts for CheeseTouch_20:

(119, 16382), (Start: 149 @16421 has 636 MA's), (Start: 156 @16433 has 1 MA's), (Start: 215 @16511 has 57 MA's), (231, 16532), (253, 16580), (257, 16589), (273, 16631), (284, 16667), (304, 16724), (319, 16772), (332, 16799), (416, 16997), (427, 17015), (436, 17024), (441, 17030), (467, 17078), (477, 17108), (494, 17144), (509, 17171), (510, 17174), (525, 17225), (555, 17255), (571, 17282), (584, 17309), (611, 17381), (637, 17420), (663, 17474), (678, 17516), (701, 17591), (736, 17654), (748, 17681), (749, 17684), (755, 17699), (792, 17783), (794, 17792), (795, 17795), (797, 17801), (801, 17813), (803, 17816), (812, 17846), (814, 17852), (824, 17873), (826, 17876), (849, 17930), (861, 17960), (862, 17969), (878, 18020), (886, 18053), (890, 18065), (895, 18083),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for CheetoDust_23:

(Start: 118 @17165 has 152 MA's), (143, 17195), (Start: 246 @17354 has 1 MA's), (262, 17387), (273, 17417), (283, 17450), (288, 17462), (317, 17552), (335, 17594), (365, 17666), (369, 17675), (389, 17714), (405, 17759), (412, 17780), (413, 17783), (445, 17837), (459, 17855), (475, 17897), (477,

17903), (487, 17930), (574, 18068), (582, 18086), (597, 18128), (603, 18146), (614, 18176), (628, 18203), (669, 18308), (749, 18467), (762, 18503), (773, 18533), (776, 18542), (795, 18617), (811, 18668), (889, 18863), (900, 18902), (901, 18905), (910, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 118

Candidate Starts for Cheetobro_24:

(Start: 95 @18591 has 1 MA's), (Start: 111 @18621 has 26 MA's), (Start: 116 @18627 has 42 MA's), (Start: 118 @18630 has 152 MA's), (Start: 171 @18687 has 8 MA's), (205, 18735), (Start: 233 @18774 has 2 MA's), (238, 18789), (Start: 246 @18807 has 1 MA's), (262, 18840), (273, 18870), (288, 18915), (294, 18933), (317, 19005), (319, 19011), (333, 19041), (361, 19107), (365, 19119), (420, 19254), (455, 19302), (459, 19308), (467, 19326), (477, 19356), (496, 19395), (574, 19521), (597, 19581), (598, 19584), (604, 19602), (610, 19617), (669, 19785), (686, 19839), (718, 19884), (739, 19929), (749, 19953), (761, 19986), (773, 20019), (792, 20091), (795, 20103), (811, 20154), (813, 20160), (864, 20262), (900, 20388), (910, 20409),

Gene: CherryCola_34 Start: 26795, Stop: 28561, Start Num: 102

Candidate Starts for CherryCola_34:

(85, 26753), (Start: 102 @26795 has 86 MA's), (Start: 126 @26831 has 1 MA's), (Start: 153 @26864 has 10 MA's), (274, 27074), (275, 27077), (284, 27107), (307, 27173), (315, 27197), (317, 27206), (332, 27239), (399, 27392), (416, 27431), (453, 27482), (460, 27494), (467, 27512), (471, 27524), (475, 27536), (480, 27551), (496, 27581), (499, 27584), (509, 27605), (554, 27677), (609, 27803), (620, 27836), (649, 27869), (660, 27908), (663, 27911), (686, 27983), (715, 28049), (719, 28061), (795, 28232), (799, 28244), (801, 28250), (811, 28283), (824, 28310), (833, 28337), (859, 28391), (890, 28508), (896, 28529), (907, 28556),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Cherrybomb426_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 139

Candidate Starts for CherryonLim_19:

(Start: 139 @16167 has 9 MA's), (Start: 149 @16170 has 636 MA's), (226, 16269), (Start: 246 @16311 has 1 MA's), (257, 16332), (335, 16551), (388, 16668), (398, 16695), (416, 16740), (428, 16758), (441, 16773), (451, 16788), (475, 16845), (487, 16878), (496, 16890), (548, 16977), (553, 16995), (569, 17025), (584, 17055), (590, 17070), (606, 17118), (634, 17169), (653, 17205), (657, 17220), (664, 17238), (684, 17295), (748, 17424), (753, 17436), (794, 17535), (795, 17538), (801, 17556), (830, 17634), (842, 17661), (861, 17703), (901, 17850), (906, 17856),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 129

Candidate Starts for Chevrolet_16:

(Start: 129 @14845 has 222 MA's), (199, 14932), (Start: 233 @14977 has 2 MA's), (242, 15001), (283, 15106), (286, 15112), (292, 15130), (305, 15160), (350, 15265), (379, 15325), (389, 15346), (394, 15355), (399, 15373), (401, 15379), (453, 15454), (460, 15466), (467, 15481), (469, 15487), (475, 15505), (480, 15520), (482, 15526), (493, 15547), (504, 15562), (506, 15565), (511, 15577), (512, 15583), (526, 15631), (531, 15643), (535, 15649), (574, 15709), (579, 15721), (593, 15757), (597, 15769), (598, 15772), (604, 15790), (624, 15844), (628, 15853), (638, 15871), (642, 15877), (718, 16012), (721, 16021), (722, 16024), (738, 16060), (754, 16099), (766, 16138), (794, 16237), (801, 16258), (811, 16291), (826, 16321), (835, 16351), (839, 16357), (841, 16360), (844, 16366), (859,

16381), (860, 16384), (865, 16408), (881, 16450), (899, 16522), (900, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Chewbacca_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 176

Candidate Starts for ChewyVIII_56:

(Start: 121 @38114 has 18 MA's), (Start: 176 @38189 has 1 MA's), (254, 38300), (265, 38333), (284, 38396), (336, 38519), (347, 38549), (361, 38573), (377, 38606), (388, 38630), (419, 38702), (456, 38753), (501, 38810), (520, 38864), (542, 38915), (632, 39083), (653, 39125), (686, 39227), (763, 39338), (778, 39386), (801, 39467), (813, 39506), (857, 39581), (862, 39599), (865, 39611), (886, 39686), (890, 39698), (895, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 215

Candidate Starts for Chickadee_32:

(Start: 215 @27527 has 57 MA's), (232, 27548), (261, 27611), (305, 27734), (310, 27746), (333, 27803), (370, 27881), (419, 28004), (483, 28118), (502, 28148), (517, 28190), (545, 28253), (574, 28301), (578, 28310), (597, 28361), (614, 28409), (678, 28574), (718, 28604), (758, 28703), (761, 28712), (762, 28715), (777, 28760), (790, 28817), (792, 28823), (793, 28829), (808, 28877), (811, 28886), (813, 28892), (815, 28895), (835, 28946), (862, 28991), (882, 29060), (895, 29108), (899, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for ChickenDinner_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (297, 14971), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (389, 15178), (394, 15187), (401, 15211), (413, 15247), (415, 15253), (427, 15265), (453, 15286), (455, 15289), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (583, 15562), (593, 15589), (597, 15601), (624, 15676), (628, 15685), (638, 15703), (642, 15709), (652, 15739), (718, 15844), (721, 15853), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (801, 16090), (811, 16123), (826, 16153), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (865, 16240), (881, 16282), (899, 16354), (900, 16360),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 149

Candidate Starts for ChickenTender_20:

(Start: 139 @15794 has 9 MA's), (Start: 149 @15797 has 636 MA's), (274, 16007), (335, 16181), (361, 16241), (373, 16268), (388, 16298), (389, 16301), (397, 16319), (398, 16325), (408, 16355), (441, 16403), (449, 16415), (463, 16442), (487, 16508), (496, 16520), (569, 16655), (584, 16685), (611, 16757), (653, 16835), (657, 16850), (664, 16868), (684, 16925), (753, 17066), (755, 17072), (760, 17084), (769, 17093), (794, 17165), (795, 17168), (797, 17174), (801, 17186), (824, 17246), (835, 17279), (842, 17291), (847, 17300), (861, 17333), (881, 17399), (895, 17459),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 149

Candidate Starts for ChipMunk_30:

(Start: 128 @20576 has 37 MA's), (Start: 149 @20600 has 636 MA's), (231, 20699), (265, 20783), (284, 20834), (285, 20837), (314, 20909), (315, 20912), (336, 20966), (353, 21005), (389, 21083), (428, 21170), (472, 21251), (476, 21254), (594, 21527), (648, 21632), (653, 21647), (692, 21773), (697, 21779), (718, 21827), (721, 21836), (731, 21857), (747, 21890), (753, 21905), (755, 21911), (774, 21965), (785, 22004), (788, 22019), (813, 22103), (861, 22214),

Gene: Chipko_19 Start: 17518, Stop: 19212, Start Num: 154

Candidate Starts for Chipko_19:

(119, 17476), (Start: 126 @17488 has 1 MA's), (Start: 154 @17518 has 7 MA's), (231, 17620), (253, 17671), (275, 17728), (290, 17779), (317, 17857), (319, 17863), (388, 18013), (453, 18136), (477, 18196), (494, 18232), (513, 18274), (547, 18316), (571, 18370), (684, 18631), (713, 18706), (736, 18748), (755, 18793), (795, 18889), (796, 18892), (801, 18907), (863, 19066), (864, 19072), (890, 19159), (906, 19204),

Gene: Chiqui_26 Start: 20176, Stop: 21975, Start Num: 149

Candidate Starts for Chiqui_26:

(Start: 149 @20176 has 636 MA's), (Start: 195 @20236 has 1 MA's), (238, 20305), (280, 20407), (284, 20419), (285, 20422), (315, 20497), (319, 20512), (321, 20515), (336, 20551), (397, 20686), (428, 20755), (487, 20869), (542, 20995), (593, 21109), (594, 21112), (601, 21133), (609, 21151), (653, 21232), (679, 21307), (684, 21325), (686, 21334), (692, 21358), (697, 21364), (700, 21379), (712, 21412), (730, 21457), (731, 21460), (744, 21481), (747, 21493), (813, 21706), (826, 21730), (859, 21811), (861, 21817), (891, 21928), (899, 21952),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 139

Candidate Starts for ChocoMunchkin_18:

(Start: 139 @15395 has 9 MA's), (Start: 149 @15398 has 636 MA's), (226, 15500), (Start: 233 @15512 has 2 MA's), (274, 15608), (302, 15692), (335, 15782), (361, 15842), (373, 15869), (388, 15899), (389, 15902), (416, 15971), (441, 16004), (449, 16016), (451, 16019), (461, 16040), (463, 16043), (487, 16109), (496, 16121), (584, 16286), (653, 16436), (657, 16451), (664, 16469), (684, 16526), (753, 16667), (755, 16673), (760, 16685), (769, 16694), (794, 16766), (795, 16769), (797, 16775), (801, 16787), (842, 16892), (847, 16901), (861, 16934),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 168

Candidate Starts for Chop_22:

(103, 17803), (Start: 168 @17878 has 17 MA's), (Start: 233 @17971 has 2 MA's), (238, 17986), (241, 17992), (273, 18067), (295, 18139), (334, 18250), (354, 18295), (361, 18313), (365, 18325), (455, 18496), (460, 18505), (463, 18511), (506, 18607), (523, 18658), (601, 18781), (614, 18820), (667, 18952), (721, 19066), (761, 19153), (794, 19267), (797, 19276), (835, 19381), (877, 19468), (910, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 134

Candidate Starts for ChosenOne_23:

(Start: 134 @18953 has 130 MA's), (Start: 196 @19037 has 48 MA's), (Start: 246 @19115 has 1 MA's), (280, 19202), (286, 19217), (305, 19265), (320, 19304), (361, 19391), (377, 19424), (394, 19460), (402, 19490), (405, 19496), (458, 19565), (477, 19595), (481, 19607), (482, 19610), (512, 19667), (575, 19799), (578, 19805), (602, 19871), (604, 19877), (612, 19901), (628, 19949), (642, 19973), (647, 19982), (672, 20057), (721, 20108), (726, 20123), (786, 20285), (792, 20312), (801, 20342), (843, 20447), (879, 20525), (886, 20561), (889, 20570), (899, 20603), (906, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 196

Candidate Starts for ChotaBhai_24:

(Start: 134 @18995 has 130 MA's), (Start: 196 @19079 has 48 MA's), (Start: 246 @19157 has 1 MA's), (280, 19244), (286, 19259), (305, 19307), (320, 19346), (361, 19433), (377, 19466), (394,

19502), (402, 19532), (405, 19538), (458, 19607), (477, 19637), (481, 19649), (482, 19652), (512, 19709), (575, 19841), (578, 19847), (602, 19913), (604, 19919), (612, 19943), (628, 19991), (642, 20015), (647, 20024), (672, 20099), (721, 20150), (726, 20165), (786, 20327), (792, 20354), (801, 20384), (843, 20489), (879, 20567), (886, 20603), (889, 20612), (899, 20645), (906, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 118

Candidate Starts for Chris_22:

(Start: 95 @16340 has 1 MA's), (Start: 111 @16370 has 26 MA's), (Start: 118 @16379 has 152 MA's), (143, 16409), (Start: 233 @16535 has 2 MA's), (238, 16550), (262, 16601), (283, 16664), (319, 16772), (333, 16802), (365, 16880), (369, 16889), (389, 16928), (406, 16976), (412, 16994), (427, 17033), (428, 17036), (445, 17051), (455, 17063), (459, 17069), (467, 17087), (475, 17111), (477, 17117), (487, 17144), (509, 17180), (574, 17282), (582, 17300), (603, 17360), (649, 17462), (653, 17474), (669, 17522), (678, 17546), (691, 17597), (723, 17636), (749, 17681), (761, 17714), (763, 17720), (773, 17747), (792, 17819), (795, 17831), (811, 17882), (813, 17888), (862, 17981), (879, 18032), (889, 18077), (910, 18137),

Gene: ChristmasHams_28 Start: 21200, Stop: 22939, Start Num: 195

Candidate Starts for ChristmasHams_28:

(Start: 151 @21137 has 225 MA's), (Start: 167 @21158 has 5 MA's), (Start: 195 @21200 has 1 MA's), (228, 21245), (315, 21461), (333, 21506), (336, 21515), (377, 21605), (378, 21608), (416, 21701), (476, 21803), (510, 21872), (593, 22073), (594, 22076), (601, 22097), (652, 22193), (653, 22196), (655, 22202), (679, 22271), (684, 22289), (686, 22298), (697, 22328), (731, 22424), (747, 22457), (753, 22472), (795, 22613), (813, 22670), (861, 22781),

Gene: Chubbello_19 Start: 16384, Stop: 18120, Start Num: 122

Candidate Starts for Chubbello_19:

(Start: 107 @16360 has 2 MA's), (Start: 122 @16384 has 48 MA's), (Start: 170 @16444 has 41 MA's), (183, 16465), (185, 16468), (260, 16588), (274, 16627), (284, 16660), (294, 16684), (344, 16804), (361, 16843), (363, 16849), (399, 16933), (401, 16939), (405, 16951), (413, 16975), (442, 17002), (458, 17020), (473, 17059), (475, 17065), (483, 17089), (512, 17143), (516, 17155), (518, 17164), (545, 17224), (583, 17302), (597, 17341), (609, 17374), (628, 17440), (636, 17455), (642, 17464), (650, 17488), (660, 17518), (667, 17530), (733, 17632), (741, 17644), (744, 17647), (746, 17653), (748, 17662), (784, 17770), (807, 17854), (852, 17953), (889, 18061), (906, 18109),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 129

Candidate Starts for Chuckly_16:

(Start: 129 @14978 has 222 MA's), (199, 15065), (Start: 233 @15110 has 2 MA's), (242, 15134), (283, 15239), (286, 15245), (292, 15263), (305, 15293), (350, 15398), (379, 15458), (389, 15479), (394, 15488), (401, 15512), (453, 15587), (475, 15638), (480, 15653), (482, 15659), (504, 15695), (506, 15698), (511, 15710), (512, 15716), (526, 15764), (531, 15776), (535, 15782), (574, 15842), (579, 15854), (593, 15890), (597, 15902), (624, 15977), (628, 15986), (638, 16004), (642, 16010), (652, 16040), (718, 16145), (721, 16154), (722, 16157), (738, 16193), (766, 16271), (794, 16370), (801, 16391), (811, 16424), (826, 16454), (835, 16484), (841, 16493), (844, 16499), (859, 16514), (860, 16517), (865, 16541), (876, 16571), (881, 16583), (886, 16613), (899, 16655),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 149

Candidate Starts for Chupacabra_27:

(Start: 128 @19761 has 37 MA's), (Start: 149 @19785 has 636 MA's), (Start: 195 @19842 has 1 MA's), (205, 19857), (238, 19911), (280, 20013), (284, 20025), (285, 20028), (315, 20103), (319, 20118), (336, 20157), (389, 20274), (397, 20292), (428, 20361), (470, 20436), (487, 20475), (510, 20514), (542, 20601), (553, 20631), (560, 20646), (587, 20694), (601, 20739), (606, 20751), (609, 20757), (652, 20835), (653, 20838), (684, 20931), (686, 20940), (692, 20964), (697, 20970), (700, 20985), (718, 21018), (744, 21069), (749, 21087), (763, 21126), (764, 21132), (795, 21237), (813,

21294), (826, 21318), (828, 21324), (859, 21399), (861, 21405), (862, 21414), (899, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 151

Candidate Starts for Ciao_27:

(Start: 151 @21042 has 225 MA's), (Start: 167 @21063 has 5 MA's), (Start: 195 @21105 has 1 MA's), (228, 21150), (315, 21366), (333, 21411), (336, 21420), (353, 21459), (377, 21510), (378, 21513), (476, 21708), (510, 21777), (593, 21978), (594, 21981), (601, 22002), (652, 22098), (653, 22101), (655, 22107), (679, 22176), (684, 22194), (686, 22203), (697, 22233), (731, 22329), (747, 22362), (753, 22377), (795, 22518), (813, 22575), (861, 22686),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 149

Candidate Starts for Cici_27:

(Start: 128 @19796 has 37 MA's), (Start: 149 @19820 has 636 MA's), (Start: 153 @19826 has 10 MA's), (Start: 195 @19880 has 1 MA's), (238, 19949), (273, 20027), (280, 20051), (285, 20066), (302, 20102), (315, 20141), (319, 20156), (336, 20195), (378, 20288), (389, 20312), (428, 20399), (487, 20513), (510, 20552), (542, 20639), (560, 20684), (593, 20753), (601, 20777), (606, 20789), (653, 20876), (679, 20951), (684, 20969), (686, 20978), (692, 21002), (697, 21008), (700, 21023), (712, 21056), (730, 21101), (731, 21104), (744, 21125), (813, 21350), (849, 21428), (859, 21455), (861, 21461), (899, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 153

Candidate Starts for Cindaradix_26:

(Start: 128 @19527 has 37 MA's), (Start: 149 @19551 has 636 MA's), (Start: 153 @19557 has 10 MA's), (Start: 195 @19611 has 1 MA's), (238, 19680), (273, 19758), (280, 19782), (285, 19797), (302, 19833), (315, 19872), (319, 19887), (336, 19926), (378, 20019), (389, 20043), (428, 20130), (487, 20244), (510, 20283), (542, 20370), (560, 20415), (593, 20484), (601, 20508), (606, 20520), (653, 20607), (679, 20682), (684, 20700), (686, 20709), (692, 20733), (697, 20739), (700, 20754), (712, 20787), (730, 20832), (731, 20835), (744, 20856), (813, 21081), (859, 21186), (861, 21192), (899, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 149

Candidate Starts for Cintron_27:

(Start: 128 @19851 has 37 MA's), (Start: 149 @19875 has 636 MA's), (Start: 195 @19932 has 1 MA's), (Start: 233 @19986 has 2 MA's), (238, 20001), (Start: 246 @20019 has 1 MA's), (280, 20103), (284, 20115), (285, 20118), (315, 20193), (319, 20208), (336, 20247), (389, 20364), (428, 20451), (472, 20532), (499, 20580), (510, 20604), (542, 20691), (560, 20736), (594, 20808), (601, 20829), (609, 20847), (653, 20928), (684, 21021), (686, 21030), (692, 21054), (697, 21060), (702, 21084), (731, 21138), (744, 21159), (761, 21210), (770, 21234), (786, 21288), (813, 21384), (859, 21489), (862, 21504), (893, 21612), (899, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Citius_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 246

Candidate Starts for Cjw1_24:

(Start: 134 @20506 has 130 MA's), (Start: 196 @20590 has 48 MA's), (Start: 246 @20668 has 1 MA's), (280, 20755), (286, 20770), (305, 20818), (320, 20857), (361, 20944), (377, 20977), (394, 21013), (402, 21043), (405, 21049), (458, 21118), (477, 21148), (481, 21160), (482, 21163), (512, 21220), (575, 21352), (578, 21358), (602, 21424), (604, 21430), (612, 21454), (628, 21502), (642, 21526), (647, 21535), (672, 21610), (721, 21661), (726, 21676), (786, 21838), (792, 21865), (801, 21895), (843, 22000), (879, 22078), (886, 22114), (889, 22123), (899, 22156), (906, 22171),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 102

Candidate Starts for ClamChowder_33:

(85, 26533), (Start: 102 @26575 has 86 MA's), (Start: 126 @26611 has 1 MA's), (Start: 153 @26644 has 10 MA's), (274, 26854), (275, 26857), (284, 26887), (307, 26953), (315, 26977), (317, 26986), (332, 27019), (399, 27172), (416, 27211), (453, 27262), (460, 27274), (467, 27292), (471, 27304), (475, 27316), (480, 27331), (496, 27361), (499, 27364), (509, 27385), (554, 27457), (579, 27505), (620, 27616), (649, 27649), (663, 27691), (686, 27763), (715, 27829), (719, 27841), (795, 28012), (796, 28015), (811, 28063), (824, 28090), (833, 28117), (859, 28171), (890, 28288), (896, 28309), (907, 28336),

Gene: Clammy_27 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for Clammy_27:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: Clank_16 Start: 14961, Stop: 16670, Start Num: 129

Candidate Starts for Clank_16:

(Start: 129 @14961 has 222 MA's), (199, 15048), (Start: 233 @15093 has 2 MA's), (242, 15117), (283, 15222), (286, 15228), (292, 15246), (305, 15276), (350, 15381), (379, 15441), (389, 15462), (394, 15471), (401, 15495), (475, 15621), (480, 15636), (482, 15642), (504, 15678), (506, 15681), (511, 15693), (512, 15699), (526, 15747), (531, 15759), (535, 15765), (574, 15825), (579, 15837), (593, 15873), (597, 15885), (624, 15960), (628, 15969), (638, 15987), (642, 15993), (652, 16023), (718, 16128), (721, 16137), (722, 16140), (738, 16176), (766, 16254), (794, 16353), (801, 16374), (811, 16407), (826, 16437), (835, 16467), (841, 16476), (844, 16482), (859, 16497), (860, 16500), (865, 16524), (876, 16554), (881, 16566), (886, 16596), (899, 16638),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Clap_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Clarenza_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438),

(862, 21453), (893, 21561), (899, 21579),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 178

Candidate Starts for Clark_20:

(96, 17229), (Start: 178 @17346 has 57 MA's), (308, 17604), (316, 17625), (338, 17679), (356, 17718), (378, 17775), (388, 17796), (510, 17967), (515, 17985), (522, 18009), (528, 18030), (568, 18072), (602, 18153), (653, 18243), (667, 18288), (685, 18345), (686, 18348), (730, 18402), (766, 18492), (862, 18771), (864, 18780), (873, 18810),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 149

Candidate Starts for Cleo_18:

(Start: 149 @15991 has 636 MA's), (Start: 233 @16105 has 2 MA's), (248, 16138), (319, 16339), (335, 16375), (373, 16462), (416, 16564), (441, 16597), (449, 16609), (451, 16612), (475, 16669), (487, 16702), (499, 16717), (511, 16744), (522, 16783), (553, 16819), (555, 16825), (584, 16879), (593, 16903), (606, 16942), (610, 16948), (652, 17020), (657, 17038), (660, 17047), (664, 17056), (684, 17113), (688, 17131), (748, 17242), (753, 17254), (769, 17281), (794, 17353), (795, 17356), (830, 17452), (842, 17479), (855, 17503), (861, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 129

Candidate Starts for Clifton_16:

(Start: 129 @14762 has 222 MA's), (199, 14849), (Start: 233 @14894 has 2 MA's), (242, 14918), (283, 15023), (286, 15029), (292, 15047), (305, 15077), (350, 15182), (379, 15242), (389, 15263), (394, 15272), (401, 15296), (475, 15422), (480, 15437), (482, 15443), (504, 15479), (506, 15482), (511, 15494), (512, 15500), (526, 15548), (531, 15560), (535, 15566), (574, 15626), (579, 15638), (593, 15674), (597, 15686), (624, 15761), (628, 15770), (638, 15788), (642, 15794), (652, 15824), (718, 15929), (721, 15938), (722, 15941), (738, 15977), (766, 16055), (794, 16154), (801, 16175), (811, 16208), (826, 16238), (835, 16268), (841, 16277), (844, 16283), (859, 16298), (860, 16301), (865, 16325), (876, 16355), (881, 16367), (886, 16397), (899, 16439),

Gene: Clipper_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for Clipper_23:

(Start: 118 @17165 has 152 MA's), (143, 17195), (Start: 246 @17354 has 1 MA's), (262, 17387), (273, 17417), (283, 17450), (288, 17462), (317, 17552), (335, 17594), (365, 17666), (369, 17675), (389, 17714), (405, 17759), (406, 17762), (412, 17780), (413, 17783), (445, 17837), (459, 17855), (475, 17897), (477, 17903), (487, 17930), (574, 18068), (582, 18086), (597, 18128), (603, 18146), (614, 18176), (628, 18203), (669, 18308), (749, 18467), (762, 18503), (773, 18533), (776, 18542), (795, 18617), (811, 18668), (889, 18863), (900, 18902), (901, 18905), (910, 18923),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 128

Candidate Starts for CloudWang3_31:

(98, 19907), (Start: 128 @19949 has 37 MA's), (Start: 149 @19973 has 636 MA's), (285, 20210), (314, 20282), (315, 20285), (319, 20300), (336, 20339), (339, 20345), (389, 20456), (393, 20462), (405, 20501), (428, 20543), (455, 20582), (472, 20624), (476, 20627), (542, 20783), (603, 20924), (609, 20939), (697, 21152), (744, 21251), (753, 21278), (771, 21329), (774, 21338), (785, 21377), (788, 21392), (813, 21476), (859, 21581), (861, 21587), (899, 21722),

Gene: Cloudyecho_18 Start: 16834, Stop: 18558, Start Num: 137

Candidate Starts for Cloudyecho_18:

(Start: 137 @16834 has 56 MA's), (205, 16912), (234, 16954), (262, 17017), (272, 17044), (273, 17047), (315, 17173), (319, 17188), (331, 17212), (333, 17218), (335, 17224), (358, 17278), (408, 17398), (459, 17494), (463, 17503), (475, 17536), (477, 17542), (496, 17581), (574, 17707), (600, 17776), (653, 17899), (669, 17947), (679, 17974), (688, 18010), (691, 18022), (722, 18058), (735, 18064), (801, 18262), (808, 18286), (831, 18343), (889, 18490), (901, 18532), (903, 18535),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 102

Candidate Starts for Clown_35:

(80, 28540), (Start: 102 @28603 has 86 MA's), (Start: 153 @28672 has 10 MA's), (274, 28882), (275, 28885), (276, 28888), (284, 28915), (307, 28981), (315, 29005), (317, 29014), (380, 29152), (396, 29188), (467, 29320), (471, 29332), (475, 29344), (480, 29359), (496, 29389), (509, 29413), (514, 29431), (554, 29485), (579, 29533), (580, 29536), (601, 29593), (609, 29611), (620, 29644), (649, 29677), (652, 29686), (654, 29692), (686, 29791), (715, 29857), (795, 30040), (796, 30043), (799, 30052), (811, 30091), (824, 30118), (833, 30145), (835, 30151), (859, 30199), (861, 30205), (865, 30226), (890, 30316), (896, 30337),

Gene: ClownCar_30 Start: 20452, Stop: 22248, Start Num: 149

Candidate Starts for ClownCar_30:

(Start: 149 @20452 has 636 MA's), (Start: 195 @20509 has 1 MA's), (205, 20524), (238, 20578), (245, 20593), (280, 20680), (284, 20692), (285, 20695), (315, 20770), (319, 20785), (428, 21028), (510, 21181), (542, 21268), (587, 21361), (593, 21382), (601, 21406), (606, 21418), (609, 21424), (653, 21505), (679, 21580), (684, 21598), (686, 21607), (692, 21631), (697, 21637), (700, 21652), (706, 21676), (730, 21730), (731, 21733), (744, 21754), (859, 22084), (861, 22090), (899, 22225),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 150

Candidate Starts for ClubL_48:

(Start: 150 @29531 has 17 MA's), (192, 29591), (Start: 214 @29624 has 22 MA's), (234, 29657), (283, 29783), (294, 29816), (299, 29825), (353, 29954), (375, 30002), (512, 30215), (514, 30221), (521, 30245), (587, 30374), (593, 30395), (604, 30428), (672, 30626), (763, 30779), (792, 30878), (795, 30890), (798, 30899), (829, 30983), (887, 31130), (897, 31166), (901, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 129

Candidate Starts for Coco12_18:

(Start: 129 @15204 has 222 MA's), (199, 15291), (Start: 233 @15336 has 2 MA's), (242, 15360), (283, 15465), (286, 15471), (292, 15489), (305, 15519), (350, 15624), (379, 15684), (389, 15705), (394, 15714), (401, 15738), (453, 15813), (455, 15816), (475, 15864), (480, 15879), (482, 15885), (504, 15921), (506, 15924), (511, 15936), (512, 15942), (526, 15990), (531, 16002), (535, 16008), (574, 16068), (579, 16080), (593, 16116), (597, 16128), (624, 16203), (628, 16212), (638, 16230), (642, 16236), (652, 16266), (718, 16371), (721, 16380), (722, 16383), (738, 16419), (766, 16497), (794, 16596), (801, 16617), (811, 16650), (826, 16680), (835, 16710), (841, 16719), (844, 16725), (859, 16740), (860, 16743), (876, 16797), (881, 16809), (886, 16839), (899, 16881),

Gene: CocoaPuff_17 Start: 15415, Stop: 17109, Start Num: 149

Candidate Starts for CocoaPuff_17:

(Start: 139 @15412 has 9 MA's), (Start: 149 @15415 has 636 MA's), (226, 15514), (Start: 246 @15556 has 1 MA's), (335, 15796), (373, 15883), (384, 15904), (388, 15913), (398, 15940), (416, 15985), (441, 16018), (451, 16033), (463, 16057), (475, 16090), (487, 16123), (496, 16135), (518, 16192), (553, 16240), (569, 16270), (584, 16300), (590, 16315), (606, 16363), (634, 16414), (653, 16450), (657, 16465), (664, 16483), (684, 16540), (686, 16549), (748, 16669), (753, 16681), (781, 16729), (794, 16780), (795, 16783), (801, 16801), (830, 16879), (842, 16906), (861, 16948), (901, 17095), (906, 17101),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 149

Candidate Starts for Cocoaberry_27:

(Start: 128 @19807 has 37 MA's), (Start: 149 @19831 has 636 MA's), (Start: 195 @19888 has 1 MA's), (Start: 233 @19942 has 2 MA's), (238, 19957), (Start: 246 @19975 has 1 MA's), (280, 20059), (284, 20071), (285, 20074), (315, 20149), (319, 20164), (336, 20203), (389, 20320), (428, 20407), (472, 20488), (499, 20536), (510, 20560), (542, 20647), (560, 20692), (594, 20764), (601, 20785),

(609, 20803), (653, 20884), (684, 20977), (686, 20986), (692, 21010), (697, 21016), (702, 21040), (731, 21094), (744, 21115), (761, 21166), (770, 21190), (786, 21244), (813, 21340), (859, 21445), (862, 21460), (893, 21568), (899, 21586),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 174

Candidate Starts for CoffeeBean_45:

(Start: 174 @31300 has 9 MA's), (Start: 179 @31309 has 33 MA's), (226, 31363), (237, 31387), (Start: 246 @31390 has 1 MA's), (350, 31660), (381, 31723), (388, 31738), (446, 31855), (456, 31870), (501, 31927), (506, 31936), (519, 31978), (525, 31999), (540, 32029), (577, 32086), (606, 32161), (658, 32257), (717, 32362), (718, 32365), (727, 32392), (768, 32470), (780, 32509), (833, 32665), (866, 32731),

Gene: CogOmlette_26 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for CogOmlette_26:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (228, 19702), (231, 19705), (274, 19807), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (336, 19972), (339, 19978), (377, 20062), (389, 20089), (393, 20095), (395, 20101), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (553, 20446), (587, 20509), (594, 20533), (606, 20566), (609, 20572), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (842, 21193), (859, 21232), (861, 21238), (872, 21283),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for Colbster_29:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 137

Candidate Starts for Coleslaw_18:

(Start: 111 @16631 has 26 MA's), (Start: 137 @16640 has 56 MA's), (143, 16646), (147, 16652), (238, 16784), (262, 16835), (273, 16865), (280, 16889), (315, 16991), (331, 17030), (333, 17036), (339, 17051), (358, 17096), (408, 17216), (429, 17273), (459, 17312), (477, 17360), (487, 17387), (496, 17399), (532, 17480), (574, 17525), (653, 17723), (662, 17753), (669, 17771), (679, 17798), (722, 17882), (735, 17900), (745, 17915), (761, 17963), (765, 17978), (786, 18041), (801, 18098), (813, 18137), (831, 18179), (862, 18230), (889, 18326), (910, 18386),

Gene: Colin_32 Start: 21871, Stop: 23667, Start Num: 128

Candidate Starts for Colin_32:

(Start: 128 @21871 has 37 MA's), (Start: 149 @21895 has 636 MA's), (284, 22129), (285, 22132), (314, 22204), (315, 22207), (336, 22261), (339, 22267), (353, 22300), (389, 22378), (428, 22465), (472, 22546), (476, 22549), (487, 22579), (594, 22822), (609, 22861), (639, 22912), (648, 22927), (653, 22942), (697, 23074), (718, 23122), (731, 23152), (738, 23164), (753, 23200), (755, 23206), (774, 23260), (788, 23314), (813, 23398), (842, 23464), (859, 23503), (861, 23509),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 121

Candidate Starts for Collard_21:

(Start: 121 @17552 has 18 MA's), (124, 17558), (Start: 145 @17582 has 2 MA's), (Start: 171 @17615 has 8 MA's), (205, 17663), (238, 17717), (262, 17768), (283, 17831), (319, 17939), (365, 18047), (412, 18161), (413, 18164), (428, 18203), (445, 18218), (455, 18230), (459, 18236), (473, 18272), (475, 18278), (477, 18284), (496, 18323), (509, 18347), (574, 18449), (598, 18512), (669, 18692), (718,

18791), (753, 18869), (761, 18893), (763, 18899), (775, 18932), (795, 19010), (797, 19016), (864, 19169), (894, 19274), (895, 19277), (900, 19295),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 151

Candidate Starts for Colleen_19:

(Start: 151 @17425 has 225 MA's), (Start: 174 @17458 has 9 MA's), (304, 17716), (333, 17794), (388, 17917), (393, 17926), (394, 17929), (397, 17938), (399, 17947), (476, 18088), (480, 18100), (509, 18154), (585, 18289), (597, 18322), (604, 18340), (609, 18352), (615, 18367), (652, 18427), (658, 18448), (660, 18457), (684, 18523), (692, 18556), (718, 18586), (720, 18592), (721, 18595), (753, 18664), (794, 18763), (797, 18772), (860, 18928), (862, 18940),

Gene: Colossa_20 Start: 16438, Stop: 18099, Start Num: 157

Candidate Starts for Colossa_20:

(68, 16267), (73, 16288), (Start: 146 @16423 has 12 MA's), (Start: 157 @16438 has 6 MA's), (162, 16444), (Start: 181 @16474 has 3 MA's), (188, 16483), (219, 16525), (294, 16708), (315, 16753), (319, 16768), (373, 16888), (428, 17008), (441, 17023), (453, 17041), (508, 17152), (589, 17296), (590, 17299), (593, 17308), (639, 17401), (653, 17431), (678, 17506), (679, 17509), (720, 17596), (730, 17617), (731, 17620), (748, 17656), (785, 17728), (794, 17767), (795, 17770), (816, 17836), (833, 17878), (859, 17932), (892, 18055), (895, 18064), (907, 18094),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 134

Candidate Starts for Command613_25:

(Start: 134 @20014 has 130 MA's), (Start: 196 @20098 has 48 MA's), (Start: 246 @20176 has 1 MA's), (280, 20263), (286, 20278), (305, 20326), (320, 20365), (361, 20452), (377, 20485), (394, 20521), (402, 20551), (405, 20557), (458, 20626), (477, 20656), (481, 20668), (482, 20671), (512, 20728), (575, 20860), (578, 20866), (602, 20932), (604, 20938), (612, 20962), (628, 21010), (642, 21034), (647, 21043), (672, 21118), (721, 21169), (726, 21184), (786, 21346), (792, 21373), (801, 21403), (843, 21508), (879, 21586), (886, 21622), (889, 21631), (899, 21664), (906, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 170

Candidate Starts for Commandaria_43:

(Start: 170 @31143 has 41 MA's), (Start: 200 @31179 has 1 MA's), (212, 31197), (Start: 233 @31230 has 2 MA's), (Start: 246 @31257 has 1 MA's), (321, 31458), (347, 31524), (381, 31590), (388, 31605), (435, 31716), (454, 31746), (456, 31749), (495, 31794), (501, 31806), (518, 31854), (519, 31857), (587, 31983), (602, 32028), (603, 32031), (626, 32070), (652, 32118), (717, 32244), (731, 32280), (794, 32445), (801, 32466), (829, 32535), (860, 32589), (866, 32613), (886, 32685), (905, 32742),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Commander_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: ConceptII_29 Start: 22056, Stop: 23858, Start Num: 151

Candidate Starts for ConceptII_29:

(Start: 151 @22056 has 225 MA's), (Start: 167 @22077 has 5 MA's), (Start: 195 @22119 has 1 MA's), (228, 22164), (315, 22380), (333, 22425), (336, 22434), (353, 22473), (377, 22524), (378, 22527), (416, 22620), (476, 22722), (510, 22791), (593, 22992), (594, 22995), (601, 23016), (652, 23112), (653, 23115), (655, 23121), (679, 23190), (684, 23208), (686, 23217), (697, 23247), (731, 23343),

(747, 23376), (753, 23391), (795, 23532), (813, 23589), (861, 23700),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 117

Candidate Starts for Confidence_20:

(Start: 100 @17536 has 1 MA's), (Start: 117 @17560 has 26 MA's), (197, 17665), (230, 17707), (265, 17782), (313, 17896), (373, 18043), (377, 18049), (470, 18232), (508, 18307), (610, 18514), (652, 18589), (658, 18610), (684, 18685), (719, 18772), (740, 18808), (745, 18817), (753, 18841), (755, 18847), (787, 18913), (795, 18943), (859, 19099), (861, 19105), (864, 19123), (896, 19234),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Connomayer_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 149

Candidate Starts for Conquerage_30:

(Start: 146 @21776 has 12 MA's), (Start: 149 @21779 has 636 MA's), (284, 22013), (285, 22016), (314, 22088), (315, 22091), (319, 22106), (336, 22145), (339, 22151), (389, 22262), (428, 22349), (472, 22430), (476, 22433), (506, 22493), (553, 22619), (587, 22682), (594, 22706), (596, 22712), (609, 22745), (653, 22826), (692, 22952), (705, 22994), (731, 23054), (747, 23087), (753, 23102), (785, 23201), (786, 23204), (788, 23216), (813, 23300), (842, 23366), (859, 23405), (861, 23411), (872, 23456), (889, 23513), (890, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 149

Candidate Starts for Conspiracy_24:

(Start: 149 @19564 has 636 MA's), (Start: 246 @19702 has 1 MA's), (285, 19801), (315, 19876), (335, 19927), (366, 19999), (373, 20014), (389, 20047), (393, 20053), (436, 20146), (487, 20248), (506, 20278), (509, 20284), (542, 20374), (553, 20404), (589, 20476), (593, 20488), (594, 20491), (609, 20530), (615, 20548), (652, 20608), (653, 20611), (670, 20662), (684, 20704), (730, 20845), (749, 20887), (861, 21205), (899, 21340),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 128

Candidate Starts for Constella_31:

(Start: 128 @26122 has 37 MA's), (Start: 196 @26212 has 48 MA's), (229, 26260), (242, 26290), (257, 26317), (294, 26419), (307, 26449), (346, 26548), (363, 26584), (365, 26590), (377, 26611), (405, 26683), (408, 26692), (415, 26713), (469, 26782), (482, 26821), (483, 26824), (490, 26839), (512, 26878), (526, 26926), (531, 26938), (535, 26944), (561, 26992), (566, 27001), (575, 27022), (583, 27040), (600, 27088), (638, 27190), (660, 27250), (667, 27262), (683, 27307), (685, 27319), (694, 27454), (695, 27460), (696, 27484), (708, 27556), (716, 27583), (802, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 134

Candidate Starts for Contagion_23:

(Start: 134 @19253 has 130 MA's), (Start: 196 @19337 has 48 MA's), (Start: 246 @19415 has 1 MA's), (280, 19502), (286, 19517), (305, 19565), (320, 19604), (361, 19691), (377, 19724), (394, 19760), (402, 19790), (405, 19796), (458, 19865), (477, 19895), (481, 19907), (482, 19910), (512, 19967), (575, 20099), (578, 20105), (602, 20171), (604, 20177), (612, 20201), (628, 20249), (642, 20273), (647, 20282), (672, 20357), (721, 20408), (726, 20423), (786, 20585), (792, 20612), (801, 20642), (843, 20747), (879, 20825), (886, 20861), (889, 20870), (899, 20903), (906, 20918),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 149

Candidate Starts for Coog_24:

(Start: 138 @19695 has 1 MA's), (Start: 149 @19707 has 636 MA's), (Start: 233 @19812 has 2 MA's), (Start: 246 @19845 has 1 MA's), (285, 19944), (315, 20019), (319, 20034), (335, 20070), (366, 20142), (373, 20157), (393, 20196), (506, 20421), (509, 20427), (560, 20562), (589, 20619), (590, 20622), (593, 20631), (609, 20673), (615, 20691), (652, 20751), (653, 20754), (684, 20847), (686, 20856), (692, 20880), (730, 20988), (747, 21024), (813, 21234), (858, 21336), (861, 21345), (899, 21480), (901, 21489),

Gene: Cookiedough_31 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for Cookiedough_31:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 134

Candidate Starts for Cookies_24:

(Start: 134 @19615 has 130 MA's), (Start: 196 @19699 has 48 MA's), (Start: 246 @19777 has 1 MA's), (280, 19864), (286, 19879), (305, 19927), (320, 19966), (361, 20053), (377, 20086), (394, 20122), (402, 20152), (405, 20158), (458, 20227), (477, 20257), (481, 20269), (482, 20272), (512, 20329), (575, 20461), (578, 20467), (602, 20533), (604, 20539), (612, 20563), (628, 20611), (642, 20635), (647, 20644), (672, 20719), (721, 20770), (726, 20785), (786, 20947), (792, 20974), (801, 21004), (843, 21109), (879, 21187), (886, 21223), (889, 21232), (899, 21265), (906, 21280),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 154

Candidate Starts for Coriander_19:

(33, 17034), (49, 17184), (119, 17463), (Start: 126 @17475 has 1 MA's), (Start: 154 @17505 has 7 MA's), (231, 17607), (241, 17634), (248, 17646), (253, 17658), (275, 17715), (290, 17766), (299, 17787), (317, 17844), (319, 17850), (388, 18000), (453, 18123), (477, 18183), (494, 18219), (547, 18303), (571, 18357), (684, 18618), (712, 18690), (713, 18693), (736, 18735), (755, 18780), (795, 18876), (796, 18879), (801, 18894), (863, 19053), (864, 19059), (890, 19146), (906, 19191),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 129

Candidate Starts for Corium_16:

(Start: 129 @14843 has 222 MA's), (199, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (283, 15104), (286, 15110), (292, 15128), (305, 15158), (350, 15263), (379, 15323), (389, 15344), (394, 15353), (399, 15371), (401, 15377), (475, 15503), (480, 15518), (482, 15524), (504, 15560), (506, 15563), (511, 15575), (512, 15581), (526, 15629), (531, 15641), (535, 15647), (574, 15707), (579, 15719), (593, 15755), (597, 15767), (624, 15842), (628, 15851), (638, 15869), (642, 15875), (652, 15905), (718, 16010), (721, 16019), (722, 16022), (738, 16058), (766, 16136), (794, 16235), (801, 16256), (811, 16289), (826, 16319), (835, 16349), (841, 16358), (844, 16364), (859, 16379), (860, 16382), (865, 16406), (876, 16436), (881, 16448), (886, 16478), (899, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 113

Candidate Starts for Corndog_59:

(Start: 106 @34509 has 2 MA's), (Start: 113 @34518 has 28 MA's), (Start: 179 @34608 has 33 MA's), (253, 34725), (265, 34761), (275, 34782), (283, 34809), (286, 34815), (299, 34845), (308, 34869), (330, 34920), (394, 35058), (396, 35064), (412, 35115), (413, 35118), (427, 35136), (475, 35187), (482, 35208), (483, 35211), (511, 35259), (512, 35265), (526, 35313), (528, 35319), (531, 35325), (563, 35385), (574, 35409), (575, 35412), (593, 35457), (598, 35472), (601, 35481), (604, 35490),

(618, 35535), (628, 35553), (647, 35586), (722, 35724), (730, 35745), (758, 35811), (768, 35841), (784, 35895), (794, 35937), (801, 35958), (807, 35979), (811, 35991), (821, 36012), (844, 36066), (879, 36144), (886, 36180), (892, 36201), (900, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 129

Candidate Starts for Cornucopia_17:

(Start: 129 @14844 has 222 MA's), (199, 14931), (Start: 233 @14976 has 2 MA's), (242, 15000), (283, 15105), (286, 15111), (292, 15129), (305, 15159), (350, 15264), (379, 15324), (389, 15345), (394, 15354), (401, 15378), (453, 15453), (475, 15504), (480, 15519), (482, 15525), (504, 15561), (506, 15564), (511, 15576), (512, 15582), (526, 15630), (531, 15642), (535, 15648), (574, 15708), (579, 15720), (593, 15756), (597, 15768), (624, 15843), (628, 15852), (638, 15870), (642, 15876), (652, 15906), (718, 16011), (722, 16023), (738, 16059), (766, 16137), (794, 16236), (801, 16257), (811, 16290), (826, 16320), (835, 16350), (841, 16359), (844, 16365), (859, 16380), (860, 16383), (865, 16407), (881, 16449), (899, 16521),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 151

Candidate Starts for Corvo_28:

(Start: 151 @22053 has 225 MA's), (Start: 167 @22074 has 5 MA's), (Start: 195 @22116 has 1 MA's), (228, 22161), (315, 22377), (333, 22422), (336, 22431), (377, 22521), (378, 22524), (416, 22617), (476, 22719), (510, 22788), (589, 22977), (593, 22989), (594, 22992), (601, 23013), (652, 23109), (653, 23112), (655, 23118), (679, 23187), (684, 23205), (686, 23214), (697, 23244), (731, 23340), (747, 23373), (753, 23388), (795, 23529), (813, 23586), (861, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for CosmicSans_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 128

Candidate Starts for Courthouse_34:

(Start: 128 @25078 has 37 MA's), (Start: 196 @25168 has 48 MA's), (199, 25171), (242, 25246), (257, 25273), (280, 25339), (294, 25375), (307, 25405), (312, 25420), (346, 25504), (363, 25540), (377, 25567), (395, 25606), (405, 25639), (408, 25648), (455, 25705), (472, 25747), (509, 25822), (512, 25834), (531, 25894), (561, 25948), (575, 25978), (583, 25996), (588, 26005), (598, 26038), (602, 26050), (604, 26056), (616, 26095), (642, 26152), (726, 26302), (733, 26320), (753, 26362), (761, 26386), (762, 26389), (766, 26404), (777, 26434), (786, 26464), (801, 26521), (867, 26671), (901, 26791), (906, 26797),

Gene: CoveyB_33 Start: 26375, Stop: 28141, Start Num: 102

Candidate Starts for CoveyB_33:

(85, 26333), (Start: 102 @26375 has 86 MA's), (Start: 126 @26411 has 1 MA's), (Start: 153 @26444 has 10 MA's), (274, 26654), (275, 26657), (284, 26687), (307, 26753), (315, 26777), (317, 26786), (332, 26819), (399, 26972), (416, 27011), (453, 27062), (460, 27074), (467, 27092), (471, 27104), (475, 27116), (480, 27131), (496, 27161), (499, 27164), (509, 27185), (554, 27257), (579, 27305), (620, 27416), (649, 27449), (660, 27488), (663, 27491), (686, 27563), (715, 27629), (719, 27641), (795, 27812), (799, 27824), (801, 27830), (811, 27863), (824, 27890), (833, 27917), (859, 27971), (890, 28088), (896, 28109), (907, 28136),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 149

Candidate Starts for Cozz_18:

(Start: 139 @15730 has 9 MA's), (Start: 149 @15733 has 636 MA's), (274, 15943), (315, 16066), (335, 16117), (373, 16204), (388, 16234), (395, 16249), (398, 16261), (441, 16339), (449, 16351), (463, 16378), (475, 16411), (487, 16444), (496, 16456), (514, 16498), (584, 16621), (611, 16693), (653, 16771), (657, 16786), (664, 16804), (684, 16861), (731, 16954), (748, 16990), (753, 17002), (755, 17008), (760, 17020), (769, 17029), (794, 17101), (795, 17104), (797, 17110), (801, 17122), (824, 17182), (842, 17227), (847, 17236), (861, 17269), (881, 17335),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 84

Candidate Starts for Cracklewink_24:

(Start: 84 @19740 has 5 MA's), (98, 19785), (180, 19884), (205, 19920), (228, 19950), (238, 19974), (262, 20025), (263, 20028), (299, 20127), (301, 20130), (348, 20268), (360, 20289), (373, 20319), (377, 20325), (395, 20364), (416, 20430), (448, 20472), (459, 20487), (475, 20529), (489, 20565), (496, 20574), (506, 20592), (530, 20652), (533, 20658), (536, 20661), (559, 20691), (573, 20724), (574, 20727), (587, 20754), (609, 20820), (718, 21069), (779, 21216), (799, 21288), (813, 21333), (826, 21357), (828, 21363), (876, 21471), (900, 21561), (901, 21564),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 149

Candidate Starts for Crater_18:

(119, 15931), (Start: 149 @15970 has 636 MA's), (Start: 156 @15982 has 1 MA's), (159, 15985), (185, 16021), (Start: 215 @16060 has 57 MA's), (231, 16081), (249, 16123), (253, 16129), (254, 16132), (260, 16144), (273, 16180), (284, 16216), (304, 16273), (319, 16321), (332, 16348), (377, 16450), (395, 16489), (416, 16546), (427, 16564), (436, 16573), (441, 16579), (467, 16627), (477, 16657), (494, 16693), (499, 16699), (509, 16720), (510, 16723), (525, 16774), (554, 16801), (555, 16804), (571, 16831), (584, 16858), (611, 16930), (637, 16969), (663, 17023), (686, 17095), (701, 17140), (748, 17230), (755, 17248), (792, 17332), (794, 17341), (795, 17344), (797, 17350), (803, 17365), (812, 17395), (814, 17401), (824, 17422), (826, 17425), (849, 17479), (861, 17509), (862, 17518), (878, 17569), (886, 17602), (890, 17614), (895, 17632),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 137

Candidate Starts for Crespo_18:

(Start: 111 @16641 has 26 MA's), (Start: 137 @16650 has 56 MA's), (143, 16656), (147, 16662), (238, 16794), (262, 16845), (273, 16875), (280, 16899), (315, 17001), (331, 17040), (333, 17046), (339, 17061), (358, 17106), (408, 17226), (429, 17283), (459, 17322), (477, 17370), (487, 17397), (496, 17409), (532, 17490), (574, 17535), (653, 17733), (662, 17763), (669, 17781), (679, 17808), (722, 17892), (735, 17910), (745, 17925), (761, 17973), (765, 17988), (786, 18051), (801, 18108), (813, 18147), (831, 18189), (862, 18240), (889, 18336), (910, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 118

Candidate Starts for CrimD_23:

(Start: 118 @17126 has 152 MA's), (143, 17156), (Start: 246 @17315 has 1 MA's), (262, 17348), (273, 17378), (283, 17411), (288, 17423), (317, 17513), (335, 17555), (362, 17618), (365, 17627), (369, 17636), (389, 17675), (405, 17720), (412, 17741), (413, 17744), (459, 17816), (475, 17858), (477, 17864), (487, 17891), (574, 18029), (582, 18047), (597, 18089), (603, 18107), (614, 18137), (628, 18164), (669, 18269), (749, 18428), (762, 18464), (773, 18494), (776, 18503), (795, 18578), (811, 18629), (889, 18824), (900, 18863), (901, 18866), (910, 18884),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 151

Candidate Starts for Crispicous1_26:

(Start: 151 @20570 has 225 MA's), (Start: 167 @20591 has 5 MA's), (Start: 195 @20633 has 1 MA's), (228, 20678), (315, 20894), (333, 20939), (336, 20948), (353, 20987), (377, 21038), (393, 21071), (476, 21236), (510, 21305), (593, 21506), (594, 21509), (601, 21530), (652, 21626), (653, 21629), (655, 21635), (679, 21704), (684, 21722), (686, 21731), (697, 21761), (731, 21857), (747, 21890), (753, 21905), (795, 22046), (813, 22103), (861, 22214),

Gene: Croquant_30 Start: 20377, Stop: 22173, Start Num: 149

Candidate Starts for Croquant_30:

(Start: 149 @20377 has 636 MA's), (Start: 195 @20434 has 1 MA's), (205, 20449), (231, 20482), (238, 20503), (245, 20518), (280, 20605), (284, 20617), (285, 20620), (315, 20695), (319, 20710), (335, 20746), (428, 20953), (487, 21067), (510, 21106), (542, 21193), (593, 21307), (601, 21331), (609, 21349), (653, 21430), (679, 21505), (684, 21523), (692, 21556), (697, 21562), (706, 21601), (730, 21655), (731, 21658), (744, 21679), (763, 21736), (813, 21904), (859, 22009), (861, 22015), (899, 22150),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for Crucio_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (231, 20217), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (813, 21621), (861, 21732), (899, 21867),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 171

Candidate Starts for Cruella_31:

(Start: 171 @28482 has 8 MA's), (249, 28581), (273, 28650), (285, 28689), (336, 28824), (363, 28884), (438, 29037), (446, 29049), (452, 29058), (454, 29061), (492, 29106), (501, 29121), (506, 29130), (510, 29139), (525, 29193), (533, 29211), (570, 29265), (666, 29481), (722, 29574), (774, 29682), (788, 29736), (810, 29811), (866, 29940), (904, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 129

Candidate Starts for Crumble_16:

(Start: 129 @14809 has 222 MA's), (199, 14896), (Start: 233 @14941 has 2 MA's), (242, 14965), (283, 15070), (286, 15076), (292, 15094), (305, 15124), (350, 15229), (379, 15289), (389, 15310), (394, 15319), (401, 15343), (453, 15418), (455, 15421), (475, 15469), (480, 15484), (482, 15490), (504, 15526), (506, 15529), (511, 15541), (512, 15547), (526, 15595), (531, 15607), (535, 15613), (574, 15673), (579, 15685), (593, 15721), (597, 15733), (624, 15808), (628, 15817), (638, 15835), (642, 15841), (652, 15871), (718, 15976), (721, 15985), (722, 15988), (738, 16024), (766, 16102), (794, 16201), (801, 16222), (811, 16255), (826, 16285), (835, 16315), (841, 16324), (844, 16330), (859, 16345), (860, 16348), (865, 16372), (876, 16402), (881, 16414), (886, 16444), (899, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 134

Candidate Starts for CrystalP_24:

(Start: 134 @19746 has 130 MA's), (Start: 196 @19830 has 48 MA's), (Start: 246 @19908 has 1 MA's), (280, 19995), (286, 20010), (305, 20058), (320, 20097), (361, 20184), (377, 20217), (394, 20253), (402, 20283), (405, 20289), (458, 20358), (477, 20388), (481, 20400), (482, 20403), (512, 20460), (575, 20592), (578, 20598), (602, 20664), (604, 20670), (612, 20694), (628, 20742), (642, 20766), (647, 20775), (672, 20850), (721, 20901), (726, 20916), (786, 21078), (792, 21105), (801, 21135), (843, 21240), (879, 21318), (886, 21354), (889, 21363), (899, 21396), (906, 21411),

Gene: Cubone_18 Start: 15011, Stop: 16720, Start Num: 134

Candidate Starts for Cubone_18:

(Start: 134 @15011 has 130 MA's), (155, 15038), (Start: 233 @15143 has 2 MA's), (237, 15155), (254, 15191), (274, 15242), (283, 15272), (286, 15278), (297, 15305), (301, 15311), (350, 15431), (376, 15485), (379, 15491), (388, 15509), (394, 15521), (395, 15524), (401, 15545), (415, 15587), (453, 15620), (475, 15671), (480, 15686), (504, 15728), (511, 15743), (512, 15749), (526, 15797), (539, 15821), (554, 15851), (574, 15875), (597, 15935), (601, 15947), (618, 16001), (624, 16010), (651, 16070), (652, 16073), (718, 16178), (721, 16187), (738, 16226), (785, 16364), (834, 16514), (835,

16517), (841, 16526), (859, 16547), (865, 16574), (879, 16610), (906, 16703),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 149

Candidate Starts for Cuco_24:

(Start: 149 @19657 has 636 MA's), (Start: 233 @19762 has 2 MA's), (Start: 246 @19795 has 1 MA's), (285, 19894), (315, 19969), (319, 19984), (335, 20020), (366, 20092), (373, 20107), (393, 20146), (401, 20173), (408, 20194), (433, 20233), (506, 20371), (509, 20377), (560, 20512), (589, 20569), (590, 20572), (593, 20581), (609, 20623), (615, 20641), (652, 20701), (653, 20704), (684, 20797), (686, 20806), (692, 20830), (730, 20938), (747, 20974), (813, 21184), (858, 21286), (861, 21295), (899, 21430), (901, 21439),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 150

Candidate Starts for Cucurbita_50:

(Start: 150 @30901 has 17 MA's), (192, 30961), (Start: 214 @30994 has 22 MA's), (234, 31027), (283, 31153), (294, 31186), (299, 31195), (353, 31324), (375, 31372), (512, 31585), (514, 31591), (521, 31615), (587, 31744), (593, 31765), (604, 31798), (672, 31996), (763, 32149), (792, 32248), (795, 32260), (798, 32269), (829, 32353), (887, 32500), (897, 32536), (901, 32548),

Gene: Cueyllyss_27 Start: 21272, Stop: 23074, Start Num: 151

Candidate Starts for Cueyllyss_27:

(Start: 151 @21272 has 225 MA's), (Start: 167 @21293 has 5 MA's), (Start: 195 @21335 has 1 MA's), (228, 21380), (315, 21596), (333, 21641), (336, 21650), (377, 21740), (378, 21743), (416, 21836), (476, 21938), (510, 22007), (589, 22196), (593, 22208), (594, 22211), (601, 22232), (652, 22328), (653, 22331), (655, 22337), (679, 22406), (684, 22424), (686, 22433), (697, 22463), (731, 22559), (747, 22592), (753, 22607), (795, 22748), (813, 22805), (849, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for Cullens_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 150

Candidate Starts for Culver_48:

(Start: 150 @29340 has 17 MA's), (192, 29400), (Start: 214 @29433 has 22 MA's), (Start: 233 @29463 has 2 MA's), (234, 29466), (294, 29625), (299, 29634), (353, 29763), (375, 29811), (512, 30024), (514, 30030), (521, 30054), (587, 30183), (593, 30204), (604, 30237), (672, 30435), (763, 30588), (792, 30687), (795, 30699), (798, 30708), (829, 30792), (887, 30939), (897, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 118

Candidate Starts for Curiosium_24:

(Start: 118 @16874 has 152 MA's), (143, 16904), (Start: 246 @17063 has 1 MA's), (262, 17096), (273, 17126), (283, 17159), (288, 17171), (333, 17297), (335, 17303), (351, 17342), (365, 17375), (369, 17384), (389, 17423), (412, 17489), (413, 17492), (459, 17564), (475, 17606), (477, 17612), (487, 17639), (509, 17675), (574, 17777), (582, 17795), (597, 17837), (603, 17855), (614, 17885), (628, 17912), (669, 18017), (715, 18107), (762, 18212), (773, 18242), (795, 18326), (811, 18377), (826, 18407), (862, 18476), (879, 18527), (900, 18611), (901, 18614), (910, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Cynthia_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Czyszczo1_25 Start: 19491, Stop: 21170, Start Num: 134

Candidate Starts for Czyszczo1_25:

(Start: 134 @19491 has 130 MA's), (Start: 196 @19575 has 48 MA's), (Start: 246 @19653 has 1 MA's), (280, 19740), (286, 19755), (305, 19803), (320, 19842), (361, 19929), (377, 19962), (394, 19998), (402, 20028), (405, 20034), (458, 20103), (477, 20133), (481, 20145), (482, 20148), (512, 20205), (575, 20337), (578, 20343), (602, 20409), (604, 20415), (612, 20439), (628, 20487), (642, 20511), (647, 20520), (672, 20595), (721, 20646), (726, 20661), (786, 20823), (792, 20850), (801, 20880), (843, 20985), (879, 21063), (886, 21099), (889, 21108), (899, 21141), (906, 21156),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for D29_28:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (709, 21273), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for D32_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (709, 21273), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for DBQu4n_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (255, 20202), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (399, 20559), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 151

Candidate Starts for DD5_28:

(Start: 151 @21820 has 225 MA's), (Start: 167 @21841 has 5 MA's), (Start: 195 @21883 has 1 MA's), (228, 21928), (315, 22144), (333, 22189), (336, 22198), (377, 22288), (378, 22291), (476, 22486), (510, 22555), (527, 22615), (589, 22744), (593, 22756), (594, 22759), (601, 22780), (652, 22876), (653, 22879), (655, 22885), (679, 22954), (684, 22972), (686, 22981), (697, 23011), (731, 23107), (747, 23140), (753, 23155), (795, 23296), (813, 23353), (861, 23464),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 129

Candidate Starts for DLane_16:

(Start: 129 @14795 has 222 MA's), (199, 14882), (Start: 233 @14927 has 2 MA's), (242, 14951), (283, 15056), (286, 15062), (292, 15080), (305, 15110), (350, 15215), (379, 15275), (389, 15296), (394, 15305), (401, 15329), (475, 15455), (480, 15470), (482, 15476), (504, 15512), (506, 15515), (511, 15527), (512, 15533), (526, 15581), (531, 15593), (535, 15599), (574, 15659), (579, 15671), (593, 15707), (597, 15719), (624, 15794), (628, 15803), (638, 15821), (642, 15827), (652, 15857), (718, 15962), (721, 15971), (722, 15974), (738, 16010), (766, 16088), (794, 16187), (801, 16208), (811, 16241), (826, 16271), (835, 16301), (841, 16310), (844, 16316), (859, 16331), (860, 16334), (865, 16358), (876, 16388), (881, 16400), (886, 16430), (899, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for DMoney_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: DNAIII_0018 Start: 16649, Stop: 18412, Start Num: 111

Candidate Starts for DNAIII_0018:

(Start: 111 @16649 has 26 MA's), (Start: 137 @16658 has 56 MA's), (143, 16664), (147, 16670), (238, 16802), (262, 16853), (273, 16883), (280, 16907), (315, 17009), (331, 17048), (333, 17054), (339, 17069), (358, 17114), (408, 17234), (429, 17291), (459, 17330), (477, 17378), (487, 17405), (496, 17417), (532, 17498), (574, 17543), (653, 17741), (662, 17771), (669, 17789), (679, 17816), (722, 17900), (735, 17918), (745, 17933), (761, 17981), (765, 17996), (786, 18059), (801, 18116), (813, 18155), (831, 18197), (862, 18248), (889, 18344), (910, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for DRBy19_16:

(Start: 129 @14836 has 222 MA's), (199, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (265, 15049), (283, 15097), (286, 15103), (292, 15121), (305, 15151), (350, 15256), (376, 15310), (379, 15316), (383, 15325), (394, 15346), (401, 15370), (413, 15406), (415, 15412), (453, 15445), (455, 15448), (460, 15457), (467, 15472), (469, 15478), (475, 15496), (480, 15511), (482, 15517), (490, 15535), (493, 15538), (504, 15553), (511, 15568), (512, 15574), (526, 15622), (531, 15634), (535, 15640), (574, 15700), (579, 15712), (593, 15748), (597, 15760), (624, 15835), (628, 15844), (638, 15862), (642, 15868), (652, 15898), (718, 16003), (722, 16015), (738, 16051), (766, 16129), (801, 16249), (811, 16282), (826, 16312), (829, 16324), (835, 16342), (839, 16348), (841, 16351), (844, 16357), (859, 16372), (860, 16375), (864, 16396), (865, 16399), (881, 16441), (886, 16471), (899, 16513), (900, 16519),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 120

Candidate Starts for DS6A_21:

(Start: 100 @16945 has 1 MA's), (109, 16957), (Start: 120 @16975 has 1 MA's), (164, 17029), (Start: 214 @17095 has 22 MA's), (217, 17101), (221, 17107), (231, 17119), (Start: 233 @17125 has 2 MA's), (241, 17146), (248, 17158), (272, 17215), (280, 17242), (287, 17263), (301, 17299), (304, 17311), (315, 17344), (319, 17359), (333, 17389), (339, 17404), (388, 17512), (395, 17527), (398, 17539), (399, 17542), (436, 17611), (453, 17635), (455, 17638), (475, 17689), (487, 17722), (509, 17758), (550, 17818), (554, 17836), (558, 17845), (560, 17848), (593, 17917), (618, 17989), (631, 18007), (649, 18037), (652, 18046), (684, 18142), (686, 18151), (755, 18289), (795, 18385), (796, 18388), (811, 18436), (813, 18442), (861, 18550), (879, 18613), (884, 18637), (896, 18682), (901, 18700), (906, 18706),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for DaHudson_29:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 149

Candidate Starts for DaVinci_31:

(98, 19911), (Start: 128 @19953 has 37 MA's), (Start: 149 @19977 has 636 MA's), (273, 20175), (285, 20214), (314, 20286), (315, 20289), (321, 20307), (336, 20343), (339, 20349), (389, 20460), (393, 20466), (405, 20505), (428, 20547), (455, 20586), (472, 20628), (476, 20631), (506, 20691), (603, 20928), (609, 20943), (653, 21024), (697, 21156), (753, 21282), (771, 21333), (774, 21342), (785, 21381), (786, 21384), (788, 21396), (813, 21480), (859, 21585), (861, 21591), (899, 21726),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 129

Candidate Starts for DaWorst_18:

(Start: 129 @15337 has 222 MA's), (199, 15424), (Start: 233 @15469 has 2 MA's), (242, 15493), (265, 15550), (283, 15598), (286, 15604), (292, 15622), (305, 15652), (350, 15757), (376, 15811), (379, 15817), (383, 15826), (394, 15847), (401, 15871), (413, 15907), (415, 15913), (453, 15946), (455, 15949), (460, 15958), (467, 15973), (469, 15979), (475, 15997), (480, 16012), (482, 16018), (490, 16036), (493, 16039), (504, 16054), (511, 16069), (512, 16075), (526, 16123), (531, 16135), (535, 16141), (574, 16201), (579, 16213), (593, 16249), (597, 16261), (624, 16336), (628, 16345), (638, 16363), (642, 16369), (652, 16399), (718, 16504), (722, 16516), (738, 16552), (766, 16630), (801, 16750), (811, 16783), (826, 16813), (829, 16825), (835, 16843), (839, 16849), (841, 16852), (844, 16858), (859, 16873), (860, 16876), (864, 16897), (865, 16900), (881, 16942), (886, 16972), (899, 17014), (900, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for DaddyRickover_16:

(Start: 129 @14976 has 222 MA's), (199, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (283, 15237), (286, 15243), (292, 15261), (305, 15291), (350, 15396), (379, 15456), (389, 15477), (394, 15486), (401, 15510), (475, 15636), (480, 15651), (482, 15657), (504, 15693), (506, 15696), (511, 15708), (512, 15714), (526, 15762), (531, 15774), (535, 15780), (574, 15840), (579, 15852), (593, 15888), (597, 15900), (624, 15975), (628, 15984), (638, 16002), (642, 16008), (652, 16038), (718, 16143), (721, 16152), (722, 16155), (738, 16191), (766, 16269), (794, 16368), (801, 16389), (811, 16422), (826, 16452), (835, 16482), (841, 16491), (844, 16497), (859, 16512), (860, 16515), (864, 16536), (865, 16539), (881, 16581), (886, 16611), (899, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 116

Candidate Starts for Daegal_23:

(Start: 116 @17697 has 42 MA's), (Start: 121 @17706 has 18 MA's), (155, 17748), (193, 17799), (Start: 213 @17823 has 1 MA's), (219, 17835), (Start: 233 @17856 has 2 MA's), (238, 17871), (247, 17889), (263, 17922), (272, 17949), (294, 18021), (323, 18111), (360, 18195), (363, 18204), (373, 18225), (401, 18291), (411, 18318), (425, 18351), (445, 18369), (460, 18390), (467, 18405), (468, 18408), (496, 18474), (499, 18477), (523, 18543), (537, 18555), (557, 18564), (564, 18567), (598, 18654), (615, 18708), (643, 18753), (646, 18759), (668, 18831), (679, 18861), (686, 18888), (715, 18924), (718, 18933), (761, 19011), (804, 19155), (809, 19173), (813, 19185), (822, 19200), (824, 19203), (831, 19224), (835, 19236), (864, 19284), (875, 19317), (895, 19392), (900, 19410), (910, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 129

Candidate Starts for Daenerys_16:

(Start: 129 @14808 has 222 MA's), (199, 14895), (Start: 233 @14940 has 2 MA's), (242, 14964), (283, 15069), (286, 15075), (292, 15093), (305, 15123), (350, 15228), (379, 15288), (389, 15309), (394, 15318), (401, 15342), (475, 15468), (480, 15483), (482, 15489), (504, 15525), (506, 15528), (511, 15540), (512, 15546), (526, 15594), (531, 15606), (535, 15612), (574, 15672), (579, 15684), (593, 15720), (597, 15732), (624, 15807), (628, 15816), (638, 15834), (642, 15840), (652, 15870), (718, 15975), (721, 15984), (722, 15987), (738, 16023), (766, 16101), (794, 16200), (801, 16221), (811, 16254), (826, 16284), (835, 16314), (841, 16323), (844, 16329), (859, 16344), (860, 16347), (864, 16368), (865, 16371), (881, 16413), (886, 16443), (899, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 196

Candidate Starts for Daikon_22:

(Start: 134 @19483 has 130 MA's), (Start: 196 @19567 has 48 MA's), (Start: 246 @19645 has 1 MA's), (280, 19732), (286, 19747), (305, 19795), (320, 19834), (361, 19921), (377, 19954), (394, 19990), (402, 20020), (405, 20026), (458, 20095), (477, 20125), (481, 20137), (482, 20140), (512, 20197), (575, 20329), (578, 20335), (602, 20401), (604, 20407), (612, 20431), (628, 20479), (642, 20503), (647, 20512), (672, 20587), (721, 20638), (726, 20653), (786, 20815), (792, 20842), (801, 20872), (843, 20977), (879, 21055), (886, 21091), (889, 21100), (899, 21133), (906, 21148),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 149

Candidate Starts for Daishi_28:

(Start: 149 @19304 has 636 MA's), (Start: 195 @19361 has 1 MA's), (205, 19376), (231, 19409), (238, 19430), (245, 19445), (280, 19532), (284, 19544), (285, 19547), (315, 19622), (319, 19637), (335, 19673), (428, 19880), (487, 19994), (510, 20033), (542, 20120), (593, 20234), (601, 20258), (609, 20276), (653, 20357), (679, 20432), (684, 20450), (692, 20483), (697, 20489), (706, 20528), (730, 20582), (731, 20585), (744, 20606), (763, 20663), (813, 20831), (859, 20936), (861, 20942), (899, 21077),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 170

Candidate Starts for Dalilpop_46:

(Start: 170 @32122 has 41 MA's), (Start: 179 @32137 has 33 MA's), (Start: 200 @32158 has 1 MA's), (Start: 246 @32236 has 1 MA's), (291, 32374), (347, 32503), (363, 32533), (377, 32560), (381, 32569), (388, 32584), (435, 32695), (454, 32725), (456, 32728), (501, 32785), (603, 33010), (626, 33049), (652, 33097), (717, 33223), (731, 33259), (763, 33316), (780, 33370), (801, 33445), (862, 33577), (884, 33652), (886, 33664), (890, 33676), (892, 33685), (905, 33721),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 149

Candidate Starts for Dalmatian_28:

(Start: 128 @20241 has 37 MA's), (Start: 149 @20265 has 636 MA's), (284, 20499), (285, 20502), (314, 20574), (315, 20577), (336, 20631), (353, 20670), (373, 20715), (389, 20748), (428, 20835), (472, 20916), (476, 20919), (594, 21192), (653, 21312), (692, 21438), (718, 21492), (747, 21555), (753, 21570), (755, 21576), (774, 21630), (785, 21669), (788, 21684), (813, 21768), (861, 21879),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Dalmuri_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: DanSyl44_25 Start: 18636, Stop: 20423, Start Num: 118

Candidate Starts for DanSyl44_25:

(Start: 95 @18597 has 1 MA's), (Start: 111 @18627 has 26 MA's), (Start: 116 @18633 has 42 MA's), (Start: 118 @18636 has 152 MA's), (Start: 171 @18693 has 8 MA's), (205, 18741), (Start: 233 @18780 has 2 MA's), (238, 18795), (Start: 246 @18813 has 1 MA's), (262, 18846), (273, 18876), (288, 18921), (294, 18939), (317, 19011), (319, 19017), (333, 19047), (361, 19113), (365, 19125), (420, 19260), (455, 19308), (459, 19314), (467, 19332), (477, 19362), (496, 19401), (499, 19404), (574, 19527), (597, 19587), (598, 19590), (604, 19608), (610, 19623), (669, 19791), (686, 19845), (718, 19890), (739, 19935), (749, 19959), (761, 19992), (773, 20025), (792, 20097), (795, 20109), (811, 20160), (813, 20166), (864, 20268), (900, 20394), (910, 20415),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 149

Candidate Starts for Danforth_23:

(Start: 128 @18610 has 37 MA's), (Start: 149 @18634 has 636 MA's), (226, 18727), (Start: 246 @18772 has 1 MA's), (285, 18871), (302, 18907), (315, 18946), (319, 18961), (335, 18997), (389, 19117), (393, 19123), (455, 19243), (514, 19372), (542, 19444), (593, 19558), (684, 19774), (692, 19807), (731, 19909), (747, 19942), (753, 19957), (763, 19987), (858, 20257), (861, 20266), (862, 20275), (895, 20389),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 129

Candidate Starts for Dante_16:

(Start: 129 @14825 has 222 MA's), (199, 14912), (Start: 233 @14957 has 2 MA's), (242, 14981), (283, 15086), (286, 15092), (292, 15110), (305, 15140), (350, 15245), (379, 15305), (389, 15326), (394, 15335), (401, 15359), (475, 15485), (480, 15500), (482, 15506), (504, 15542), (506, 15545), (511, 15557), (512, 15563), (526, 15611), (531, 15623), (535, 15629), (574, 15689), (579, 15701), (593, 15737), (597, 15749), (624, 15824), (628, 15833), (638, 15851), (642, 15857), (652, 15887), (718, 15992), (721, 16001), (722, 16004), (738, 16040), (766, 16118), (794, 16217), (801, 16238), (811, 16271), (826, 16301), (835, 16331), (841, 16340), (844, 16346), (859, 16361), (860, 16364), (865, 16388), (876, 16418), (881, 16430), (886, 16460), (899, 16502),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 102

Candidate Starts for Danyall_33:

(85, 26333), (Start: 102 @26375 has 86 MA's), (Start: 126 @26411 has 1 MA's), (Start: 153 @26444 has 10 MA's), (274, 26654), (275, 26657), (284, 26687), (307, 26753), (315, 26777), (317, 26786), (332, 26819), (399, 26972), (416, 27011), (453, 27062), (460, 27074), (467, 27092), (471, 27104), (475, 27116), (480, 27131), (496, 27161), (499, 27164), (509, 27185), (554, 27257), (579, 27305), (620, 27416), (649, 27449), (660, 27488), (663, 27491), (686, 27563), (715, 27629), (719, 27641), (795, 27812), (799, 27824), (801, 27830), (811, 27863), (824, 27890), (833, 27917), (859, 27971), (890, 28088), (896, 28109), (907, 28136),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 152

Candidate Starts for Daredevil_29:

(88, 25364), (Start: 152 @25466 has 5 MA's), (231, 25577), (254, 25628), (272, 25676), (317, 25808), (353, 25883), (375, 25931), (408, 26015), (430, 26153), (466, 26252), (509, 26345), (512, 26357), (514, 26363), (521, 26387), (535, 26423), (539, 26429), (597, 26549), (609, 26582), (612, 26594), (638, 26654), (672, 26756), (718, 26798), (726, 26822), (776, 26945), (795, 27020), (801, 27038), (848, 27152), (911, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Darionha_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722,

17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Darrell_30 Start: 21743, Stop: 23533, Start Num: 149

Candidate Starts for Darrell_30:

(Start: 128 @21719 has 37 MA's), (Start: 149 @21743 has 636 MA's), (284, 21977), (285, 21980), (314, 22052), (315, 22055), (319, 22070), (336, 22109), (339, 22115), (345, 22133), (389, 22226), (401, 22259), (428, 22313), (472, 22394), (476, 22397), (526, 22523), (553, 22583), (587, 22646), (594, 22670), (596, 22676), (609, 22709), (692, 22916), (699, 22934), (705, 22958), (712, 22970), (731, 23018), (747, 23051), (753, 23066), (755, 23072), (785, 23165), (786, 23168), (788, 23180), (813, 23264), (842, 23330), (859, 23369), (861, 23375), (872, 23420), (889, 23477), (890, 23480),

Gene: DartGoblin_23 Start: 17081, Stop: 18847, Start Num: 118

Candidate Starts for DartGoblin_23:

(Start: 118 @17081 has 152 MA's), (143, 17111), (Start: 246 @17270 has 1 MA's), (262, 17303), (273, 17333), (283, 17366), (288, 17378), (317, 17468), (335, 17510), (365, 17582), (369, 17591), (389, 17630), (405, 17675), (413, 17699), (459, 17771), (475, 17813), (477, 17819), (487, 17846), (574, 17984), (582, 18002), (597, 18044), (603, 18062), (614, 18092), (628, 18119), (669, 18224), (715, 18314), (762, 18419), (773, 18449), (776, 18458), (795, 18533), (811, 18584), (889, 18779), (900, 18818), (901, 18821), (910, 18839),

Gene: DarthP_22 Start: 17578, Stop: 19344, Start Num: 118

Candidate Starts for DarthP_22:

(Start: 95 @17539 has 1 MA's), (Start: 111 @17569 has 26 MA's), (Start: 118 @17578 has 152 MA's), (143, 17608), (Start: 233 @17734 has 2 MA's), (238, 17749), (Start: 246 @17767 has 1 MA's), (262, 17800), (283, 17863), (288, 17875), (294, 17893), (317, 17965), (333, 18001), (335, 18007), (369, 18088), (412, 18193), (413, 18196), (427, 18232), (459, 18268), (475, 18310), (477, 18316), (487, 18343), (509, 18379), (582, 18499), (614, 18589), (628, 18616), (649, 18661), (669, 18721), (691, 18796), (718, 18820), (749, 18880), (762, 18916), (773, 18946), (795, 19030), (811, 19081), (864, 19189), (900, 19315), (901, 19318), (910, 19336),

Gene: DarthPhader_29 Start: 21735, Stop: 23507, Start Num: 149

Candidate Starts for DarthPhader_29:

(98, 21669), (Start: 128 @21711 has 37 MA's), (Start: 149 @21735 has 636 MA's), (255, 21888), (284, 21969), (285, 21972), (314, 22044), (315, 22047), (336, 22101), (339, 22107), (361, 22158), (389, 22218), (405, 22263), (428, 22305), (472, 22386), (609, 22701), (653, 22782), (657, 22797), (697, 22914), (747, 23025), (753, 23040), (761, 23064), (785, 23139), (788, 23154), (797, 23187), (813, 23238), (859, 23343), (899, 23484),

Gene: Dartin_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Dartin_23:

(Start: 111 @16505 has 26 MA's), (Start: 118 @16514 has 152 MA's), (Start: 121 @16520 has 18 MA's), (143, 16544), (Start: 171 @16583 has 8 MA's), (Start: 233 @16670 has 2 MA's), (238, 16685), (Start: 246 @16703 has 1 MA's), (262, 16736), (317, 16901), (333, 16937), (365, 17015), (369, 17024), (412, 17129), (413, 17132), (428, 17171), (455, 17198), (459, 17204), (475, 17246), (477, 17252), (487, 17279), (574, 17417), (582, 17435), (614, 17525), (628, 17552), (647, 17585), (669, 17657), (686, 17711), (715, 17747), (723, 17771), (749, 17816), (761, 17849), (765, 17864), (773, 17882), (776, 17891), (795, 17966), (811, 18017), (813, 18023), (864, 18125), (900, 18251), (901, 18254), (910, 18272),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 171

Candidate Starts for Darwin_34:

(Start: 171 @28167 has 8 MA's), (249, 28266), (273, 28335), (285, 28374), (336, 28509), (363, 28569), (417, 28695), (438, 28722), (446, 28734), (452, 28743), (454, 28746), (492, 28791), (501, 28806), (506, 28815), (510, 28824), (525, 28878), (533, 28896), (570, 28950), (666, 29166), (722, 29259), (774, 29367), (788, 29421), (810, 29496), (866, 29625), (904, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 152

Candidate Starts for DatBoi_31:

(Start: 152 @27896 has 5 MA's), (223, 27998), (297, 28181), (353, 28313), (365, 28343), (375, 28361), (422, 28484), (512, 28610), (514, 28616), (529, 28667), (539, 28682), (597, 28802), (609, 28835), (672, 29009), (726, 29075), (792, 29261), (795, 29273), (824, 29351), (848, 29405), (908, 29573), (911, 29597),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 149

Candidate Starts for Datway_27:

(Start: 128 @19811 has 37 MA's), (Start: 149 @19835 has 636 MA's), (Start: 153 @19841 has 10 MA's), (Start: 195 @19895 has 1 MA's), (238, 19964), (273, 20042), (280, 20066), (285, 20081), (302, 20117), (315, 20156), (319, 20171), (336, 20210), (378, 20303), (389, 20327), (428, 20414), (487, 20528), (510, 20567), (542, 20654), (560, 20699), (593, 20768), (601, 20792), (606, 20804), (653, 20891), (679, 20966), (684, 20984), (686, 20993), (692, 21017), (697, 21023), (700, 21038), (712, 21071), (730, 21116), (731, 21119), (744, 21140), (813, 21365), (849, 21443), (859, 21470), (861, 21476), (899, 21611),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 129

Candidate Starts for DeadP_16:

(Start: 129 @14839 has 222 MA's), (199, 14926), (Start: 233 @14971 has 2 MA's), (242, 14995), (283, 15100), (286, 15106), (292, 15124), (305, 15154), (350, 15259), (379, 15319), (388, 15337), (389, 15340), (394, 15349), (401, 15373), (475, 15499), (480, 15514), (482, 15520), (504, 15556), (506, 15559), (511, 15571), (512, 15577), (526, 15625), (531, 15637), (535, 15643), (574, 15703), (579, 15715), (593, 15751), (597, 15763), (624, 15838), (628, 15847), (638, 15865), (642, 15871), (652, 15901), (718, 16006), (721, 16015), (722, 16018), (738, 16054), (766, 16132), (794, 16231), (801, 16252), (811, 16285), (826, 16315), (835, 16345), (841, 16354), (844, 16360), (859, 16375), (860, 16378), (865, 16402), (876, 16432), (881, 16444), (886, 16474), (899, 16516),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 149

Candidate Starts for Deano_27:

(Start: 128 @19811 has 37 MA's), (Start: 149 @19835 has 636 MA's), (Start: 195 @19892 has 1 MA's), (Start: 233 @19946 has 2 MA's), (238, 19961), (Start: 246 @19979 has 1 MA's), (280, 20063), (284, 20075), (285, 20078), (315, 20153), (319, 20168), (336, 20207), (389, 20324), (428, 20411), (472, 20492), (499, 20540), (510, 20564), (542, 20651), (560, 20696), (594, 20768), (601, 20789), (609, 20807), (653, 20888), (684, 20981), (686, 20990), (692, 21014), (697, 21020), (702, 21044), (731, 21098), (744, 21119), (761, 21170), (770, 21194), (786, 21248), (813, 21344), (859, 21449), (862, 21464), (893, 21572), (899, 21590),

Gene: DearBasketball_21 Start: 15194, Stop: 16810, Start Num: 208

Candidate Starts for DearBasketball_21:

(Start: 208 @15194 has 12 MA's), (261, 15293), (267, 15317), (310, 15428), (311, 15431), (317, 15449), (321, 15458), (353, 15524), (360, 15539), (363, 15548), (365, 15554), (398, 15626), (404, 15644), (427, 15698), (439, 15707), (470, 15761), (482, 15797), (483, 15800), (528, 15908), (572, 15980), (574, 15986), (578, 15995), (586, 16013), (616, 16103), (649, 16172), (667, 16217), (671, 16235), (678, 16247), (753, 16361), (757, 16373), (761, 16385), (768, 16406), (773, 16418), (777, 16433), (786, 16463), (794, 16499), (872, 16688), (890, 16751), (896, 16772), (906, 16796),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Deb65_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (379, 15285), (389, 15306), (394, 15315), (401, 15339), (475, 15465), (480, 15480), (482, 15486), (504, 15522), (506, 15525), (511, 15537), (512, 15543), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (624, 15804), (628, 15813), (638, 15831), (642, 15837), (652, 15867), (718, 15972), (722, 15984), (738, 16020), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (864, 16365), (865, 16368), (881, 16410), (886, 16440), (899, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for Deby_23:

(Start: 118 @17122 has 152 MA's), (143, 17152), (Start: 246 @17311 has 1 MA's), (262, 17344), (273, 17374), (283, 17407), (288, 17419), (317, 17509), (335, 17551), (365, 17623), (369, 17632), (389, 17671), (405, 17716), (412, 17737), (413, 17740), (445, 17794), (459, 17812), (475, 17854), (477, 17860), (487, 17887), (574, 18025), (582, 18043), (597, 18085), (603, 18103), (614, 18133), (628, 18160), (669, 18265), (749, 18424), (762, 18460), (773, 18490), (776, 18499), (795, 18574), (811, 18625), (889, 18820), (900, 18859), (901, 18862), (910, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for DeepSoil15_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: DeerParkTS_29 Start: 20246, Stop: 22018, Start Num: 149

Candidate Starts for DeerParkTS_29:

(Start: 128 @20222 has 37 MA's), (Start: 149 @20246 has 636 MA's), (245, 20381), (255, 20399), (265, 20429), (284, 20480), (285, 20483), (314, 20555), (315, 20558), (336, 20612), (389, 20729), (397, 20747), (401, 20762), (428, 20816), (465, 20876), (472, 20897), (476, 20900), (553, 21086), (594, 21173), (609, 21212), (653, 21293), (697, 21425), (718, 21473), (747, 21536), (753, 21551), (755, 21557), (774, 21611), (785, 21650), (788, 21665), (797, 21698), (813, 21749), (876, 21914),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 128

Candidate Starts for DekHockey33_30:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 168

Candidate Starts for DelRio_23:

(103, 18277), (Start: 168 @18352 has 17 MA's), (Start: 233 @18445 has 2 MA's), (238, 18460), (241, 18466), (273, 18541), (295, 18613), (334, 18724), (354, 18769), (361, 18787), (365, 18799), (455, 18970), (460, 18979), (463, 18985), (475, 19018), (506, 19081), (523, 19132), (557, 19156), (573, 19180), (601, 19255), (614, 19294), (667, 19426), (721, 19540), (761, 19627), (794, 19741), (797,

19750), (835, 19855), (877, 19942), (910, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 215

Candidate Starts for Delian_19:

(187, 16638), (Start: 215 @16674 has 57 MA's), (266, 16776), (293, 16848), (296, 16854), (298, 16857), (340, 16953), (357, 16992), (392, 17073), (410, 17127), (415, 17142), (476, 17238), (512, 17313), (521, 17343), (604, 17526), (612, 17550), (659, 17694), (664, 17706), (713, 17766), (762, 17898), (763, 17901), (792, 18000), (797, 18018), (813, 18069), (842, 18135), (871, 18198), (876, 18210),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 149

Candidate Starts for Deloris_29:

(Start: 128 @20596 has 37 MA's), (Start: 149 @20620 has 636 MA's), (231, 20719), (284, 20854), (285, 20857), (314, 20929), (315, 20932), (336, 20986), (339, 20992), (353, 21025), (373, 21070), (389, 21103), (428, 21190), (472, 21271), (476, 21274), (496, 21316), (553, 21460), (594, 21547), (648, 21652), (653, 21667), (692, 21793), (697, 21799), (718, 21847), (753, 21925), (755, 21931), (774, 21985), (785, 22024), (788, 22039), (813, 22123), (861, 22234),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 214

Candidate Starts for Delrey21_34:

(Start: 175 @30887 has 1 MA's), (Start: 214 @30944 has 22 MA's), (232, 30965), (261, 31028), (281, 31091), (305, 31151), (310, 31163), (346, 31250), (370, 31301), (385, 31331), (414, 31412), (428, 31439), (483, 31538), (502, 31568), (508, 31577), (518, 31613), (545, 31673), (574, 31721), (578, 31730), (614, 31829), (633, 31868), (640, 31880), (722, 32036), (726, 32048), (740, 32075), (761, 32132), (775, 32171), (777, 32180), (790, 32237), (793, 32249), (808, 32297), (811, 32306), (813, 32312), (824, 32333), (862, 32411), (901, 32549),

Gene: DelvinSonDorr_30 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for DelvinSonDorr_30:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (Start: 246 @20107 has 1 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 153

Candidate Starts for Demsculpinboyz_19:

(Start: 153 @13737 has 10 MA's), (Start: 214 @13818 has 22 MA's), (Start: 233 @13848 has 2 MA's), (241, 13869), (248, 13881), (275, 13947), (287, 13986), (290, 13998), (301, 14022), (318, 14079), (319, 14082), (331, 14106), (333, 14112), (334, 14115), (353, 14160), (361, 14178), (378, 14214), (398, 14262), (428, 14325), (455, 14361), (467, 14388), (471, 14400), (472, 14403), (487, 14445), (496, 14457), (509, 14481), (550, 14535), (593, 14634), (641, 14727), (653, 14754), (656, 14766), (681, 14817), (684, 14832), (795, 15075), (796, 15078), (797, 15081), (842, 15198), (861, 15240), (884, 15324), (896, 15369), (901, 15387),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 179

Candidate Starts for Denise_17:

(Start: 179 @14794 has 33 MA's), (248, 14911), (271, 14983), (272, 14986), (295, 15061), (315, 15100), (319, 15115), (338, 15157), (347, 15184), (388, 15274), (389, 15277), (444, 15409), (471, 15463), (509, 15544), (526, 15604), (528, 15610), (589, 15697), (626, 15769), (637, 15787), (654, 15826), (679, 15898), (681, 15901), (685, 15922), (792, 16156), (796, 16171), (801, 16186), (809, 16213), (847, 16306), (849, 16309), (864, 16357), (873, 16387), (879, 16399), (889, 16444),

Gene: Derg_30 Start: 29475, Stop: 31238, Start Num: 102

Candidate Starts for Derg_30:

(Start: 102 @29475 has 86 MA's), (Start: 126 @29511 has 1 MA's), (223, 29640), (231, 29649), (272, 29745), (275, 29754), (297, 29823), (315, 29874), (317, 29883), (333, 29919), (339, 29934), (345, 29952), (377, 30015), (397, 30060), (399, 30069), (467, 30189), (472, 30204), (480, 30228), (496, 30258), (609, 30480), (616, 30498), (620, 30513), (652, 30555), (653, 30558), (660, 30585), (703, 30705), (736, 30768), (795, 30909), (796, 30912), (811, 30960), (824, 30987), (833, 31014), (859, 31068), (865, 31095),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 118

Candidate Starts for Devera_23:

(Start: 118 @17169 has 152 MA's), (143, 17199), (Start: 246 @17358 has 1 MA's), (262, 17391), (273, 17421), (283, 17454), (288, 17466), (317, 17556), (333, 17592), (335, 17598), (365, 17670), (369, 17679), (389, 17718), (405, 17763), (406, 17766), (412, 17784), (413, 17787), (459, 17859), (475, 17901), (477, 17907), (487, 17934), (509, 17970), (532, 18027), (574, 18072), (582, 18090), (603, 18150), (614, 18180), (628, 18207), (669, 18312), (715, 18402), (749, 18471), (762, 18507), (773, 18537), (776, 18546), (795, 18621), (811, 18672), (862, 18771), (879, 18822), (900, 18906), (901, 18909), (910, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Dewey_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Dextert_33 Start: 27970, Stop: 29589, Start Num: 215

Candidate Starts for Dextert_33:

(Start: 215 @27970 has 57 MA's), (232, 27991), (261, 28054), (305, 28177), (310, 28189), (333, 28246), (370, 28324), (419, 28447), (483, 28561), (502, 28591), (517, 28633), (545, 28696), (574, 28744), (578, 28753), (597, 28804), (614, 28852), (678, 29017), (718, 29047), (761, 29155), (762, 29158), (777, 29203), (790, 29260), (792, 29266), (793, 29272), (808, 29320), (811, 29329), (813, 29335), (815, 29338), (835, 29389), (862, 29434), (882, 29503), (895, 29551), (899, 29563),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 151

Candidate Starts for Dexes_28:

(Start: 151 @21780 has 225 MA's), (Start: 167 @21801 has 5 MA's), (Start: 195 @21843 has 1 MA's), (228, 21888), (315, 22104), (333, 22149), (336, 22158), (353, 22197), (377, 22248), (378, 22251), (476, 22446), (593, 22716), (594, 22719), (601, 22740), (652, 22836), (653, 22839), (655, 22845), (679, 22914), (684, 22932), (686, 22941), (697, 22971), (731, 23067), (747, 23100), (753, 23115), (795, 23256), (813, 23313), (861, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 149

Candidate Starts for Dhanush_27:

(Start: 128 @19806 has 37 MA's), (Start: 149 @19830 has 636 MA's), (Start: 195 @19887 has 1 MA's), (Start: 233 @19941 has 2 MA's), (238, 19956), (Start: 246 @19974 has 1 MA's), (280, 20058), (284, 20070), (285, 20073), (315, 20148), (319, 20163), (336, 20202), (389, 20319), (428, 20406),

(472, 20487), (499, 20535), (510, 20559), (542, 20646), (560, 20691), (594, 20763), (601, 20784), (609, 20802), (653, 20883), (684, 20976), (686, 20985), (692, 21009), (697, 21015), (702, 21039), (731, 21093), (744, 21114), (761, 21165), (770, 21189), (786, 21243), (813, 21339), (859, 21444), (862, 21459), (893, 21567), (899, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for Dieselweasel_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (628, 21391), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 149

Candidate Starts for Dignity_30:

(Start: 128 @20617 has 37 MA's), (Start: 149 @20641 has 636 MA's), (231, 20740), (265, 20824), (284, 20875), (285, 20878), (314, 20950), (315, 20953), (336, 21007), (353, 21046), (389, 21124), (428, 21211), (472, 21292), (476, 21295), (553, 21481), (594, 21568), (648, 21673), (653, 21688), (692, 21814), (697, 21820), (718, 21868), (753, 21946), (755, 21952), (774, 22006), (785, 22045), (788, 22060), (813, 22144), (861, 22255),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 129

Candidate Starts for DillTech15_16:

(Start: 129 @14841 has 222 MA's), (199, 14928), (Start: 233 @14973 has 2 MA's), (242, 14997), (283, 15102), (286, 15108), (292, 15126), (305, 15156), (350, 15261), (376, 15315), (379, 15321), (383, 15330), (394, 15351), (401, 15375), (413, 15411), (415, 15417), (453, 15450), (455, 15453), (460, 15462), (467, 15477), (469, 15483), (475, 15501), (480, 15516), (482, 15522), (490, 15540), (493, 15543), (504, 15558), (511, 15573), (512, 15579), (526, 15627), (531, 15639), (535, 15645), (574, 15705), (579, 15717), (593, 15753), (597, 15765), (624, 15840), (628, 15849), (638, 15867), (642, 15873), (718, 16008), (722, 16020), (738, 16056), (801, 16254), (811, 16287), (826, 16317), (835, 16347), (841, 16356), (844, 16362), (859, 16377), (860, 16380), (864, 16401), (865, 16404), (881, 16446), (886, 16476), (899, 16518), (900, 16524),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 123

Candidate Starts for Dina_17:

(Start: 123 @16286 has 8 MA's), (142, 16307), (204, 16391), (223, 16418), (228, 16424), (282, 16556), (304, 16607), (315, 16640), (317, 16649), (377, 16784), (393, 16817), (398, 16835), (424, 16889), (455, 16934), (480, 16991), (484, 17003), (508, 17042), (546, 17093), (550, 17102), (555, 17123), (589, 17189), (628, 17279), (675, 17387), (690, 17441), (692, 17447), (699, 17465), (756, 17561), (770, 17582), (788, 17627), (845, 17786), (854, 17801), (860, 17816), (862, 17828), (906, 17972),

Gene: DingDing_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for DingDing_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 163

Candidate Starts for Dinger_23:

(Start: 163 @16304 has 3 MA's), (Start: 172 @16319 has 32 MA's), (223, 16388), (241, 16424), (315, 16610), (368, 16739), (389, 16781), (397, 16799), (399, 16808), (Start: 407 @16832 has 1 MA's), (416, 16850), (441, 16880), (451, 16895), (453, 16898), (470, 16937), (476, 16946), (514, 17030), (587, 17147), (594, 17171), (652, 17285), (679, 17363), (689, 17402), (692, 17414), (698, 17423), (718, 17444), (753, 17522), (809, 17669), (853, 17768), (859, 17783), (906, 17936),

Gene: DinoNuggs_19 Start: 15160, Stop: 16776, Start Num: 208

Candidate Starts for DinoNuggs_19:

(Start: 208 @15160 has 12 MA's), (261, 15259), (267, 15283), (310, 15394), (311, 15397), (317, 15415), (321, 15424), (353, 15490), (360, 15505), (363, 15514), (365, 15520), (398, 15592), (404, 15610), (427, 15664), (439, 15673), (470, 15727), (482, 15763), (483, 15766), (528, 15874), (572, 15946), (574, 15952), (578, 15961), (586, 15979), (616, 16069), (649, 16138), (667, 16183), (671, 16201), (678, 16213), (731, 16279), (753, 16327), (757, 16339), (761, 16351), (768, 16372), (773, 16384), (777, 16399), (786, 16429), (794, 16465), (872, 16654), (890, 16717), (896, 16738), (906, 16762),

Gene: DirtDevil_29 Start: 22423, Stop: 24225, Start Num: 151

Candidate Starts for DirtDevil_29:

(Start: 151 @22423 has 225 MA's), (Start: 167 @22444 has 5 MA's), (Start: 195 @22486 has 1 MA's), (228, 22531), (315, 22747), (333, 22792), (336, 22801), (353, 22840), (377, 22891), (378, 22894), (476, 23089), (510, 23158), (593, 23359), (594, 23362), (601, 23383), (652, 23479), (653, 23482), (655, 23488), (679, 23557), (684, 23575), (686, 23584), (697, 23614), (731, 23710), (747, 23743), (753, 23758), (763, 23788), (795, 23899), (813, 23956), (861, 24067), (907, 24220),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 233

Candidate Starts for DirtMcgirt_17:

(Start: 129 @14630 has 222 MA's), (199, 14717), (Start: 233 @14762 has 2 MA's), (242, 14786), (265, 14843), (283, 14891), (286, 14897), (292, 14915), (305, 14945), (350, 15050), (376, 15104), (379, 15110), (383, 15119), (389, 15131), (394, 15140), (401, 15164), (413, 15200), (415, 15206), (427, 15218), (453, 15239), (455, 15242), (460, 15251), (467, 15266), (469, 15272), (475, 15290), (480, 15305), (482, 15311), (490, 15329), (493, 15332), (504, 15347), (511, 15362), (512, 15368), (521, 15398), (526, 15416), (531, 15428), (535, 15434), (574, 15494), (579, 15506), (593, 15542), (597, 15554), (604, 15575), (624, 15629), (628, 15638), (642, 15662), (652, 15692), (718, 15797), (722, 15809), (738, 15845), (754, 15884), (766, 15923), (794, 16022), (801, 16043), (811, 16076), (826, 16106), (835, 16136), (841, 16145), (844, 16151), (859, 16166), (860, 16169), (864, 16190), (865, 16193), (881, 16235), (886, 16265), (899, 16307), (900, 16313),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 154

Candidate Starts for DirtyBoi_20:

(Start: 126 @16928 has 1 MA's), (Start: 154 @16958 has 7 MA's), (231, 17060), (253, 17111), (275, 17168), (290, 17219), (317, 17297), (319, 17303), (388, 17453), (453, 17576), (477, 17636), (494, 17672), (513, 17714), (547, 17756), (554, 17780), (571, 17810), (684, 18071), (713, 18146), (736, 18188), (755, 18233), (795, 18329), (796, 18332), (801, 18347), (863, 18506), (864, 18512), (890, 18599), (906, 18644),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 149

Candidate Starts for DirtyDunning_27:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 195 @19880 has 1 MA's), (Start: 233 @19934 has 2 MA's), (238, 19949), (Start: 246 @19967 has 1 MA's), (280, 20051), (284, 20063), (285, 20066), (315, 20141), (319, 20156), (336, 20195), (389, 20312), (428, 20399), (472, 20480), (499, 20528), (510, 20552), (542, 20639), (560, 20684), (594, 20756), (601, 20777), (609, 20795), (653, 20876), (684, 20969), (686, 20978), (692, 21002), (697, 21008), (702, 21032), (731, 21086), (744, 21107), (761, 21158), (770, 21182), (813, 21332), (859, 21437), (862, 21452),

(893, 21560), (899, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 149

Candidate Starts for Discoknowium_24:

(Start: 149 @19773 has 636 MA's), (Start: 233 @19878 has 2 MA's), (Start: 246 @19911 has 1 MA's), (285, 20010), (315, 20085), (319, 20100), (335, 20136), (366, 20208), (373, 20223), (389, 20256), (393, 20262), (506, 20487), (509, 20493), (542, 20583), (590, 20688), (593, 20697), (609, 20739), (615, 20757), (652, 20817), (653, 20820), (679, 20895), (684, 20913), (730, 21054), (747, 21090), (813, 21303), (858, 21405), (861, 21414), (892, 21528), (899, 21549), (901, 21558),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 116

Candidate Starts for DismalFunk_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 116 @15013 has 42 MA's), (Start: 137 @15028 has 56 MA's), (Start: 171 @15070 has 8 MA's), (205, 15118), (Start: 233 @15157 has 2 MA's), (238, 15172), (262, 15223), (273, 15253), (283, 15286), (288, 15298), (294, 15316), (317, 15388), (319, 15394), (361, 15490), (365, 15502), (408, 15604), (413, 15619), (427, 15655), (459, 15691), (477, 15739), (496, 15778), (509, 15802), (512, 15814), (574, 15904), (578, 15913), (669, 16159), (686, 16213), (721, 16267), (773, 16381), (776, 16390), (795, 16465), (811, 16516), (813, 16522), (850, 16603), (862, 16618), (880, 16672), (900, 16753), (910, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 116

Candidate Starts for DismalStressor_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 116 @15013 has 42 MA's), (Start: 137 @15028 has 56 MA's), (Start: 171 @15070 has 8 MA's), (205, 15118), (Start: 233 @15157 has 2 MA's), (238, 15172), (262, 15223), (273, 15253), (283, 15286), (288, 15298), (294, 15316), (317, 15388), (319, 15394), (361, 15490), (365, 15502), (408, 15604), (413, 15619), (427, 15655), (459, 15691), (477, 15739), (496, 15778), (509, 15802), (512, 15814), (574, 15904), (578, 15913), (669, 16159), (686, 16213), (721, 16267), (773, 16381), (776, 16390), (795, 16465), (811, 16516), (813, 16522), (850, 16603), (862, 16618), (880, 16672), (900, 16753), (910, 16774),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 149

Candidate Starts for Dixon_24:

(Start: 128 @18629 has 37 MA's), (Start: 149 @18653 has 636 MA's), (226, 18746), (Start: 246 @18791 has 1 MA's), (285, 18890), (302, 18926), (315, 18965), (319, 18980), (335, 19016), (389, 19136), (393, 19142), (455, 19262), (514, 19391), (542, 19463), (593, 19577), (684, 19793), (692, 19826), (731, 19928), (747, 19961), (753, 19976), (763, 20006), (858, 20276), (861, 20285), (862, 20294), (895, 20408),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 154

Candidate Starts for Dmitri_19:

(119, 17460), (Start: 126 @17472 has 1 MA's), (Start: 154 @17502 has 7 MA's), (231, 17604), (253, 17655), (275, 17712), (290, 17763), (317, 17841), (319, 17847), (388, 17997), (453, 18120), (477, 18180), (494, 18216), (513, 18258), (547, 18300), (571, 18354), (684, 18615), (713, 18690), (736, 18732), (755, 18777), (795, 18873), (796, 18876), (801, 18891), (863, 19050), (864, 19056), (890, 19143), (906, 19188),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 128

Candidate Starts for DmpstrDiver_35:

(Start: 128 @27492 has 37 MA's), (Start: 196 @27582 has 48 MA's), (229, 27630), (242, 27660), (257, 27687), (294, 27789), (307, 27819), (325, 27870), (346, 27918), (363, 27954), (365, 27960), (377, 27981), (405, 28053), (408, 28062), (415, 28083), (482, 28191), (483, 28194), (490, 28209), (512, 28248), (526, 28296), (531, 28308), (535, 28314), (561, 28362), (566, 28371), (575, 28392), (583, 28410), (600, 28458), (638, 28560), (667, 28632), (683, 28677), (685, 28689), (694, 28824), (695,

28830), (696, 28854), (708, 28926), (716, 28953), (802, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for DoRead_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (379, 15254), (383, 15263), (388, 15272), (389, 15275), (394, 15284), (399, 15302), (401, 15308), (453, 15383), (475, 15434), (480, 15449), (482, 15455), (504, 15491), (506, 15494), (511, 15506), (512, 15512), (526, 15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (624, 15773), (628, 15782), (638, 15800), (642, 15806), (652, 15836), (718, 15941), (721, 15950), (722, 15953), (738, 15989), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (865, 16337), (876, 16367), (881, 16379), (886, 16409), (899, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 178

Candidate Starts for DobbysSock_19:

(96, 16703), (Start: 178 @16820 has 57 MA's), (308, 17078), (316, 17099), (338, 17153), (356, 17192), (378, 17249), (388, 17270), (510, 17441), (515, 17459), (522, 17483), (528, 17504), (568, 17546), (602, 17627), (653, 17717), (685, 17819), (686, 17822), (730, 17876), (823, 18146), (862, 18245), (864, 18254), (873, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for DocMcStuffins_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (297, 14971), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (389, 15178), (394, 15187), (401, 15211), (413, 15247), (415, 15253), (427, 15265), (453, 15286), (455, 15289), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (583, 15562), (593, 15589), (597, 15601), (624, 15676), (628, 15685), (638, 15703), (642, 15709), (652, 15739), (718, 15844), (721, 15853), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (801, 16090), (811, 16123), (826, 16153), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (865, 16240), (881, 16282), (899, 16354), (900, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 196

Candidate Starts for DoctorDiddles_24:

(Start: 134 @18908 has 130 MA's), (Start: 196 @18992 has 48 MA's), (Start: 246 @19070 has 1 MA's), (280, 19157), (286, 19172), (305, 19220), (320, 19259), (361, 19346), (377, 19379), (394, 19415), (402, 19445), (405, 19451), (458, 19520), (477, 19550), (481, 19562), (482, 19565), (512, 19622), (575, 19754), (578, 19760), (602, 19826), (604, 19832), (612, 19856), (628, 19904), (642, 19928), (647, 19937), (672, 20012), (721, 20063), (726, 20078), (786, 20240), (792, 20267), (801, 20297), (843, 20402), (879, 20480), (886, 20516), (889, 20525), (899, 20558), (906, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 214

Candidate Starts for DoctorFroggo_34:

(Start: 175 @30887 has 1 MA's), (Start: 214 @30944 has 22 MA's), (232, 30965), (261, 31028), (281, 31091), (305, 31151), (310, 31163), (346, 31250), (370, 31301), (385, 31331), (414, 31412), (428, 31439), (483, 31538), (502, 31568), (508, 31577), (518, 31613), (545, 31673), (574, 31721), (578, 31730), (614, 31829), (633, 31868), (640, 31880), (722, 32036), (726, 32048), (740, 32075), (761, 32132), (775, 32171), (777, 32180), (790, 32237), (793, 32249), (808, 32297), (811, 32306), (813, 32312), (824, 32333), (862, 32411), (901, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 181

Candidate Starts for Dogfish_21:

(Start: 181 @18185 has 3 MA's), (239, 18275), (251, 18299), (253, 18305), (281, 18383), (308, 18449), (310, 18455), (359, 18566), (363, 18575), (375, 18602), (380, 18611), (390, 18632), (480, 18803), (481, 18806), (514, 18872), (518, 18887), (541, 18941), (555, 18971), (567, 18980), (587, 19022), (593, 19043), (610, 19091), (613, 19103), (620, 19130), (650, 19199), (676, 19268), (718, 19301), (744, 19358), (762, 19409), (783, 19478), (808, 19565), (813, 19580), (837, 19637), (843, 19646), (877, 19724), (880, 19730),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 154

Candidate Starts for Doggs_18:

(33, 16734), (49, 16884), (Start: 126 @17175 has 1 MA's), (Start: 154 @17205 has 7 MA's), (231, 17307), (241, 17334), (248, 17346), (253, 17358), (275, 17415), (290, 17466), (299, 17487), (317, 17544), (319, 17550), (388, 17700), (453, 17823), (477, 17883), (494, 17919), (547, 18003), (571, 18057), (684, 18318), (712, 18390), (713, 18393), (736, 18435), (755, 18480), (795, 18576), (796, 18579), (801, 18594), (863, 18753), (864, 18759), (890, 18846), (906, 18891),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Dole_23:

(Start: 118 @17171 has 152 MA's), (143, 17201), (Start: 246 @17360 has 1 MA's), (262, 17393), (273, 17423), (283, 17456), (288, 17468), (317, 17558), (333, 17594), (335, 17600), (365, 17672), (369, 17681), (389, 17720), (405, 17765), (406, 17768), (412, 17786), (413, 17789), (459, 17861), (475, 17903), (477, 17909), (487, 17936), (509, 17972), (532, 18029), (574, 18074), (582, 18092), (603, 18152), (614, 18182), (628, 18209), (669, 18314), (715, 18404), (749, 18473), (762, 18509), (773, 18539), (776, 18548), (795, 18623), (811, 18674), (862, 18773), (879, 18824), (900, 18908), (901, 18911), (910, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 178

Candidate Starts for Dolores_20:

(96, 17205), (Start: 178 @17322 has 57 MA's), (308, 17580), (316, 17601), (338, 17655), (356, 17694), (378, 17751), (388, 17772), (510, 17943), (515, 17961), (522, 17985), (528, 18006), (568, 18048), (602, 18129), (653, 18219), (667, 18264), (685, 18321), (686, 18324), (730, 18378), (766, 18468), (862, 18747), (864, 18756), (873, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 208

Candidate Starts for DonkeyMan_18:

(Start: 208 @14949 has 12 MA's), (261, 15048), (267, 15072), (310, 15183), (311, 15186), (317, 15204), (321, 15213), (353, 15279), (360, 15294), (363, 15303), (365, 15309), (398, 15381), (404, 15399), (427, 15453), (439, 15462), (470, 15516), (482, 15552), (483, 15555), (528, 15663), (572, 15735), (574, 15741), (578, 15750), (586, 15768), (616, 15858), (667, 15972), (671, 15990), (678, 16002), (731, 16068), (753, 16116), (757, 16128), (761, 16140), (768, 16161), (773, 16173), (777, 16188), (786, 16218), (794, 16254), (872, 16443), (890, 16506), (896, 16527), (906, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 129

Candidate Starts for Donkeykong_16:

(Start: 129 @14982 has 222 MA's), (199, 15069), (Start: 233 @15114 has 2 MA's), (242, 15138), (265, 15195), (283, 15243), (286, 15249), (292, 15267), (305, 15297), (350, 15402), (379, 15462), (383, 15471), (394, 15492), (401, 15516), (415, 15558), (453, 15591), (460, 15603), (467, 15618), (469, 15624), (475, 15642), (480, 15657), (482, 15663), (504, 15699), (511, 15714), (512, 15720), (526, 15768), (531, 15780), (535, 15786), (574, 15846), (579, 15858), (593, 15894), (597, 15906), (624, 15981), (628, 15990), (638, 16008), (642, 16014), (652, 16044), (718, 16149), (721, 16158), (722, 16161), (738, 16197), (766, 16275), (794, 16374), (801, 16395), (811, 16428), (826, 16458), (835, 16488), (841, 16497), (844, 16503), (859, 16518), (860, 16521), (865, 16545), (876, 16575), (881, 16587), (886, 16617), (899, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 122

Candidate Starts for Donovan_19:

(Start: 107 @16350 has 2 MA's), (Start: 122 @16374 has 48 MA's), (Start: 170 @16434 has 41 MA's), (183, 16455), (185, 16458), (260, 16578), (274, 16617), (284, 16650), (294, 16674), (344, 16794), (361, 16833), (363, 16839), (399, 16923), (401, 16929), (405, 16941), (413, 16965), (442, 16992), (458, 17010), (473, 17049), (475, 17055), (483, 17079), (512, 17133), (516, 17145), (518, 17154), (545, 17214), (583, 17292), (597, 17331), (609, 17364), (628, 17430), (636, 17445), (642, 17454), (650, 17478), (660, 17508), (667, 17520), (733, 17622), (741, 17634), (744, 17637), (746, 17643), (748, 17652), (784, 17760), (807, 17844), (852, 17943), (889, 18051), (906, 18099),

Gene: DontArgue_26 Start: 18145, Stop: 19923, Start Num: 149

Candidate Starts for DontArgue_26:

(Start: 128 @18121 has 37 MA's), (Start: 149 @18145 has 636 MA's), (Start: 195 @18202 has 1 MA's), (205, 18217), (228, 18247), (238, 18271), (284, 18385), (285, 18388), (315, 18463), (389, 18634), (428, 18721), (470, 18796), (487, 18835), (542, 18961), (560, 19006), (601, 19099), (606, 19111), (684, 19291), (686, 19300), (692, 19324), (697, 19330), (700, 19345), (718, 19378), (744, 19429), (813, 19654), (859, 19759), (861, 19765), (862, 19774), (899, 19900),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 151

Candidate Starts for Doom_28:

(Start: 151 @21888 has 225 MA's), (Start: 167 @21909 has 5 MA's), (Start: 195 @21951 has 1 MA's), (228, 21996), (315, 22212), (333, 22257), (336, 22266), (353, 22305), (377, 22356), (378, 22359), (476, 22554), (510, 22623), (593, 22824), (594, 22827), (601, 22848), (652, 22944), (653, 22947), (655, 22953), (679, 23022), (684, 23040), (686, 23049), (697, 23079), (731, 23175), (747, 23208), (753, 23223), (795, 23364), (813, 23421), (861, 23532), (907, 23685),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Doomphist_16:

(Start: 129 @14940 has 222 MA's), (199, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (283, 15201), (286, 15207), (292, 15225), (305, 15255), (350, 15360), (379, 15420), (389, 15441), (394, 15450), (401, 15474), (453, 15549), (475, 15600), (480, 15615), (482, 15621), (504, 15657), (506, 15660), (511, 15672), (512, 15678), (526, 15726), (531, 15738), (535, 15744), (574, 15804), (579, 15816), (593, 15852), (597, 15864), (624, 15939), (628, 15948), (638, 15966), (642, 15972), (652, 16002), (718, 16107), (722, 16119), (738, 16155), (766, 16233), (794, 16332), (801, 16353), (811, 16386), (826, 16416), (835, 16446), (839, 16452), (841, 16455), (844, 16461), (859, 16476), (860, 16479), (864, 16500), (865, 16503), (881, 16545), (899, 16617), (900, 16623),

Gene: Doomslug_18 Start: 14664, Stop: 16373, Start Num: 129

Candidate Starts for Doomslug_18:

(Start: 129 @14664 has 222 MA's), (199, 14751), (Start: 233 @14796 has 2 MA's), (242, 14820), (283, 14925), (286, 14931), (292, 14949), (305, 14979), (350, 15084), (379, 15144), (389, 15165), (394, 15174), (401, 15198), (475, 15324), (480, 15339), (482, 15345), (504, 15381), (506, 15384), (511, 15396), (512, 15402), (526, 15450), (531, 15462), (535, 15468), (574, 15528), (579, 15540), (593, 15576), (597, 15588), (624, 15663), (628, 15672), (638, 15690), (642, 15696), (652, 15726), (718, 15831), (721, 15840), (722, 15843), (738, 15879), (766, 15957), (794, 16056), (801, 16077), (811, 16110), (826, 16140), (835, 16170), (841, 16179), (844, 16185), (859, 16200), (860, 16203), (865, 16227), (876, 16257), (881, 16269), (886, 16299), (899, 16341),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 178

Candidate Starts for Dorito_19:

(11, 16045), (24, 16201), (41, 16396), (44, 16432), (46, 16435), (54, 16519), (55, 16525), (75, 16651), (96, 16705), (Start: 178 @16822 has 57 MA's), (275, 16993), (308, 17080), (315, 17098), (316, 17101),

(338, 17155), (356, 17194), (378, 17251), (388, 17272), (510, 17443), (515, 17461), (522, 17485), (528, 17506), (568, 17548), (602, 17629), (653, 17719), (685, 17821), (730, 17878), (766, 17968), (862, 18247), (864, 18256), (873, 18286),

Gene: Dorothea_31 Start: 19977, Stop: 21749, Start Num: 149

Candidate Starts for Dorothea_31:

(98, 19911), (Start: 128 @19953 has 37 MA's), (Start: 149 @19977 has 636 MA's), (273, 20175), (285, 20214), (314, 20286), (315, 20289), (321, 20307), (336, 20343), (339, 20349), (389, 20460), (393, 20466), (428, 20547), (455, 20586), (472, 20628), (476, 20631), (506, 20691), (603, 20928), (609, 20943), (653, 21024), (683, 21111), (697, 21156), (753, 21282), (771, 21333), (774, 21342), (785, 21381), (786, 21384), (788, 21396), (813, 21480), (859, 21585), (861, 21591), (899, 21726),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 129

Candidate Starts for Dorothy_16:

(Start: 129 @14766 has 222 MA's), (199, 14853), (Start: 233 @14898 has 2 MA's), (242, 14922), (283, 15027), (286, 15033), (292, 15051), (305, 15081), (350, 15186), (379, 15246), (389, 15267), (394, 15276), (401, 15300), (475, 15426), (480, 15441), (482, 15447), (504, 15483), (506, 15486), (511, 15498), (512, 15504), (526, 15552), (531, 15564), (535, 15570), (574, 15630), (579, 15642), (593, 15678), (597, 15690), (624, 15765), (628, 15774), (638, 15792), (642, 15798), (652, 15828), (718, 15933), (721, 15942), (722, 15945), (738, 15981), (766, 16059), (794, 16158), (801, 16179), (811, 16212), (826, 16242), (835, 16272), (841, 16281), (844, 16287), (859, 16302), (860, 16305), (864, 16326), (865, 16329), (881, 16371), (886, 16401), (899, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 129

Candidate Starts for DosHalletts_17:

(Start: 129 @14741 has 222 MA's), (199, 14828), (Start: 233 @14873 has 2 MA's), (242, 14897), (275, 14975), (283, 15002), (286, 15008), (292, 15026), (305, 15056), (350, 15161), (379, 15221), (389, 15242), (394, 15251), (401, 15275), (415, 15317), (453, 15350), (460, 15362), (467, 15377), (475, 15401), (480, 15416), (482, 15422), (504, 15458), (511, 15473), (512, 15479), (526, 15527), (531, 15539), (535, 15545), (574, 15605), (579, 15617), (593, 15653), (597, 15665), (624, 15740), (628, 15749), (638, 15767), (642, 15773), (652, 15803), (718, 15908), (721, 15917), (722, 15920), (738, 15956), (766, 16034), (794, 16133), (801, 16154), (811, 16187), (826, 16217), (834, 16244), (835, 16247), (841, 16256), (844, 16262), (859, 16277), (860, 16280), (864, 16301), (865, 16304), (868, 16313), (881, 16346), (886, 16376), (899, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for DotProduct_16:

(Start: 129 @14816 has 222 MA's), (199, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (253, 14993), (283, 15077), (286, 15083), (292, 15101), (305, 15131), (350, 15236), (379, 15296), (383, 15305), (389, 15317), (394, 15326), (401, 15350), (453, 15425), (455, 15428), (467, 15452), (469, 15458), (475, 15476), (480, 15491), (482, 15497), (490, 15515), (493, 15518), (504, 15533), (506, 15536), (511, 15548), (512, 15554), (521, 15584), (526, 15602), (531, 15614), (535, 15620), (574, 15680), (579, 15692), (593, 15728), (597, 15740), (604, 15761), (624, 15815), (628, 15824), (642, 15848), (652, 15878), (718, 15983), (721, 15992), (722, 15995), (738, 16031), (754, 16070), (766, 16109), (794, 16208), (801, 16229), (811, 16262), (826, 16292), (835, 16322), (841, 16331), (844, 16337), (859, 16352), (860, 16355), (864, 16376), (865, 16379), (881, 16421), (886, 16451), (899, 16493), (900, 16499),

Gene: DoubleChamp_21 Start: 17552, Stop: 19324, Start Num: 121

Candidate Starts for DoubleChamp_21:

(Start: 121 @17552 has 18 MA's), (124, 17558), (Start: 145 @17582 has 2 MA's), (Start: 171 @17615 has 8 MA's), (205, 17663), (238, 17717), (262, 17768), (283, 17831), (319, 17939), (365, 18047), (412, 18161), (413, 18164), (428, 18203), (445, 18218), (455, 18230), (459, 18236), (473, 18272), (475,

18278), (477, 18284), (496, 18323), (509, 18347), (574, 18449), (598, 18512), (669, 18692), (718, 18791), (753, 18869), (761, 18893), (763, 18899), (775, 18932), (795, 19010), (797, 19016), (864, 19169), (894, 19274), (895, 19277), (900, 19295),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 129

Candidate Starts for Doug_17:

(Start: 129 @15357 has 222 MA's), (199, 15444), (Start: 233 @15489 has 2 MA's), (242, 15513), (283, 15618), (286, 15624), (292, 15642), (305, 15672), (350, 15777), (379, 15837), (389, 15858), (394, 15867), (401, 15891), (475, 16017), (480, 16032), (482, 16038), (504, 16074), (506, 16077), (511, 16089), (512, 16095), (526, 16143), (531, 16155), (535, 16161), (574, 16221), (579, 16233), (593, 16269), (597, 16281), (604, 16302), (624, 16356), (628, 16365), (638, 16383), (642, 16389), (718, 16524), (722, 16536), (738, 16572), (766, 16650), (794, 16749), (801, 16770), (811, 16803), (826, 16833), (835, 16863), (839, 16869), (841, 16872), (844, 16878), (859, 16893), (860, 16896), (864, 16917), (865, 16920), (881, 16962), (899, 17034),

Gene: Doughnut_19 Start: 15033, Stop: 16802, Start Num: 116

Candidate Starts for Doughnut_19:

(Start: 95 @14997 has 1 MA's), (Start: 111 @15027 has 26 MA's), (Start: 116 @15033 has 42 MA's), (Start: 137 @15048 has 56 MA's), (Start: 171 @15090 has 8 MA's), (205, 15138), (Start: 233 @15177 has 2 MA's), (238, 15192), (262, 15243), (273, 15273), (283, 15306), (288, 15318), (294, 15336), (317, 15408), (319, 15414), (361, 15510), (365, 15522), (406, 15618), (459, 15711), (467, 15729), (475, 15753), (477, 15759), (496, 15798), (509, 15822), (512, 15834), (574, 15924), (578, 15933), (598, 15987), (609, 16017), (652, 16128), (669, 16179), (721, 16287), (773, 16401), (776, 16410), (795, 16485), (811, 16536), (813, 16542), (862, 16638), (880, 16692), (900, 16773), (910, 16794),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 128

Candidate Starts for Dove_34:

(Start: 128 @26623 has 37 MA's), (Start: 196 @26713 has 48 MA's), (229, 26761), (242, 26791), (257, 26818), (294, 26920), (307, 26950), (346, 27049), (363, 27085), (365, 27091), (377, 27112), (405, 27184), (408, 27193), (415, 27214), (469, 27283), (482, 27322), (483, 27325), (490, 27340), (512, 27379), (526, 27427), (531, 27439), (535, 27445), (561, 27493), (566, 27502), (575, 27523), (583, 27541), (600, 27589), (638, 27691), (660, 27751), (667, 27763), (726, 27847), (731, 27859), (733, 27865), (741, 27877), (744, 27880), (757, 27919), (763, 27937), (776, 27973), (777, 27979), (801, 28066), (834, 28156), (862, 28198), (867, 28216), (877, 28246), (887, 28288), (906, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 134

Candidate Starts for DrDrey_25:

(Start: 134 @20238 has 130 MA's), (Start: 196 @20322 has 48 MA's), (Start: 246 @20400 has 1 MA's), (280, 20487), (286, 20502), (305, 20550), (320, 20589), (361, 20676), (377, 20709), (394, 20745), (402, 20775), (405, 20781), (458, 20850), (477, 20880), (481, 20892), (482, 20895), (512, 20952), (575, 21084), (578, 21090), (602, 21156), (604, 21162), (612, 21186), (628, 21234), (642, 21258), (647, 21267), (672, 21342), (721, 21393), (726, 21408), (786, 21570), (792, 21597), (801, 21627), (843, 21732), (879, 21810), (886, 21846), (889, 21855), (899, 21888), (906, 21903),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 151

Candidate Starts for DrFeelGood_26:

(Start: 151 @21434 has 225 MA's), (Start: 167 @21455 has 5 MA's), (Start: 195 @21497 has 1 MA's), (228, 21542), (315, 21758), (333, 21803), (336, 21812), (353, 21851), (377, 21902), (378, 21905), (476, 22100), (510, 22169), (593, 22370), (594, 22373), (601, 22394), (652, 22490), (653, 22493), (655, 22499), (679, 22568), (684, 22586), (686, 22595), (697, 22625), (731, 22721), (747, 22754), (753, 22769), (795, 22910), (813, 22967), (861, 23078), (907, 23231),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for DrHayes_23:

(Start: 118 @17102 has 152 MA's), (143, 17132), (Start: 246 @17291 has 1 MA's), (262, 17324), (273, 17354), (283, 17387), (288, 17399), (317, 17489), (335, 17531), (365, 17603), (369, 17612), (389, 17651), (405, 17696), (413, 17720), (459, 17792), (475, 17834), (477, 17840), (487, 17867), (574, 18005), (582, 18023), (597, 18065), (614, 18113), (628, 18140), (669, 18245), (715, 18335), (762, 18440), (773, 18470), (776, 18479), (795, 18554), (811, 18605), (889, 18800), (900, 18839), (901, 18842), (910, 18860),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Drago_17:

(Start: 129 @14628 has 222 MA's), (199, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (265, 14841), (283, 14889), (286, 14895), (292, 14913), (305, 14943), (350, 15048), (376, 15102), (379, 15108), (383, 15117), (389, 15129), (394, 15138), (401, 15162), (413, 15198), (415, 15204), (427, 15216), (453, 15237), (455, 15240), (460, 15249), (467, 15264), (469, 15270), (475, 15288), (480, 15303), (482, 15309), (490, 15327), (493, 15330), (504, 15345), (511, 15360), (512, 15366), (521, 15396), (526, 15414), (531, 15426), (535, 15432), (574, 15492), (579, 15504), (593, 15540), (597, 15552), (604, 15573), (624, 15627), (628, 15636), (642, 15660), (652, 15690), (718, 15795), (722, 15807), (738, 15843), (754, 15882), (766, 15921), (794, 16020), (801, 16041), (811, 16074), (826, 16104), (835, 16134), (841, 16143), (844, 16149), (859, 16164), (860, 16167), (864, 16188), (865, 16191), (881, 16233), (886, 16263), (899, 16305), (900, 16311),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 149

Candidate Starts for Drake55_30:

(Start: 128 @20646 has 37 MA's), (Start: 149 @20670 has 636 MA's), (245, 20805), (284, 20904), (285, 20907), (314, 20979), (315, 20982), (336, 21036), (339, 21042), (366, 21105), (389, 21153), (401, 21186), (405, 21198), (428, 21240), (472, 21321), (476, 21324), (487, 21354), (553, 21510), (594, 21597), (648, 21702), (653, 21717), (691, 21840), (692, 21843), (697, 21849), (718, 21897), (747, 21960), (753, 21975), (755, 21981), (774, 22035), (785, 22074), (788, 22089), (797, 22122), (811, 22167), (859, 22278), (861, 22284), (876, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 149

Candidate Starts for Drake94_26:

(Start: 128 @17857 has 37 MA's), (Start: 149 @17881 has 636 MA's), (Start: 195 @17938 has 1 MA's), (205, 17953), (238, 18007), (284, 18121), (285, 18124), (315, 18199), (331, 18238), (389, 18370), (428, 18457), (470, 18532), (487, 18571), (510, 18610), (542, 18697), (560, 18742), (593, 18811), (601, 18835), (606, 18847), (609, 18853), (684, 19027), (686, 19036), (692, 19060), (697, 19066), (700, 19081), (718, 19114), (744, 19165), (763, 19222), (764, 19228), (813, 19390), (859, 19495), (861, 19501), (862, 19510), (899, 19636),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 149

Candidate Starts for Dre3_18:

(Start: 149 @15938 has 636 MA's), (Start: 233 @16052 has 2 MA's), (248, 16085), (319, 16286), (335, 16322), (373, 16409), (416, 16511), (441, 16544), (449, 16556), (451, 16559), (475, 16616), (487, 16649), (499, 16664), (511, 16691), (522, 16730), (553, 16766), (555, 16772), (584, 16826), (593, 16850), (606, 16889), (610, 16895), (652, 16967), (657, 16985), (660, 16994), (664, 17003), (684, 17060), (688, 17078), (748, 17189), (753, 17201), (758, 17216), (769, 17228), (794, 17300), (795, 17303), (830, 17399), (842, 17426), (855, 17450), (861, 17468),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 151

Candidate Starts for DreamCatcher_30:

(Start: 151 @22505 has 225 MA's), (Start: 167 @22526 has 5 MA's), (Start: 195 @22568 has 1 MA's), (228, 22613), (315, 22829), (333, 22874), (336, 22883), (353, 22922), (377, 22973), (378, 22976), (476, 23171), (510, 23240), (593, 23441), (594, 23444), (601, 23465), (652, 23561), (653, 23564),

(655, 23570), (679, 23639), (684, 23657), (686, 23666), (697, 23696), (731, 23792), (747, 23825), (753, 23840), (795, 23981), (813, 24038), (861, 24149), (907, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 149

Candidate Starts for DreamTeam1_28:

(98, 19633), (Start: 128 @19675 has 37 MA's), (Start: 149 @19699 has 636 MA's), (284, 19933), (285, 19936), (314, 20008), (315, 20011), (319, 20026), (321, 20029), (336, 20065), (339, 20071), (361, 20122), (373, 20149), (377, 20155), (389, 20182), (393, 20188), (401, 20215), (428, 20269), (472, 20350), (476, 20353), (506, 20413), (587, 20602), (609, 20665), (639, 20716), (653, 20746), (692, 20872), (731, 20974), (736, 20983), (747, 21007), (753, 21022), (761, 21046), (785, 21121), (788, 21136), (813, 21220), (859, 21325), (861, 21331), (876, 21385), (889, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 151

Candidate Starts for Dreamboat_28:

(Start: 151 @21057 has 225 MA's), (Start: 167 @21078 has 5 MA's), (Start: 195 @21120 has 1 MA's), (228, 21165), (315, 21381), (333, 21426), (336, 21435), (377, 21525), (378, 21528), (476, 21723), (510, 21792), (593, 21993), (594, 21996), (601, 22017), (652, 22113), (653, 22116), (655, 22122), (679, 22191), (684, 22209), (686, 22218), (697, 22248), (731, 22344), (747, 22377), (753, 22392), (795, 22533), (813, 22590), (861, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 149

Candidate Starts for DroogsArmy_28:

(Start: 138 @22609 has 1 MA's), (Start: 149 @22621 has 636 MA's), (192, 22666), (207, 22687), (284, 22852), (285, 22855), (315, 22930), (319, 22945), (393, 23107), (395, 23113), (428, 23188), (506, 23332), (554, 23458), (560, 23470), (593, 23539), (609, 23581), (652, 23677), (653, 23680), (657, 23695), (679, 23755), (684, 23773), (686, 23782), (692, 23806), (697, 23812), (730, 23905), (731, 23908), (747, 23941), (753, 23956), (764, 23992), (766, 23998), (792, 24085), (794, 24094), (850, 24235), (861, 24265), (862, 24274), (890, 24370), (906, 24415),

Gene: DropBear_27 Start: 19967, Stop: 21766, Start Num: 149

Candidate Starts for DropBear_27:

(Start: 149 @19967 has 636 MA's), (Start: 195 @20027 has 1 MA's), (238, 20096), (280, 20198), (284, 20210), (285, 20213), (315, 20288), (319, 20303), (321, 20306), (336, 20342), (397, 20477), (428, 20546), (487, 20660), (542, 20786), (593, 20900), (601, 20924), (606, 20936), (609, 20942), (653, 21023), (679, 21098), (684, 21116), (686, 21125), (692, 21149), (697, 21155), (700, 21170), (715, 21212), (726, 21239), (730, 21248), (731, 21251), (744, 21272), (747, 21284), (813, 21497), (859, 21602), (861, 21608), (899, 21743),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Druantia_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 149

Candidate Starts for Dublin_23:

(Start: 149 @19626 has 636 MA's), (Start: 233 @19731 has 2 MA's), (Start: 246 @19764 has 1 MA's), (285, 19863), (315, 19938), (319, 19953), (335, 19989), (366, 20061), (373, 20076), (393, 20115), (433, 20202), (487, 20310), (506, 20340), (509, 20346), (560, 20481), (589, 20538), (590, 20541),

(593, 20550), (609, 20592), (615, 20610), (652, 20670), (653, 20673), (684, 20766), (686, 20775), (692, 20799), (730, 20907), (747, 20943), (813, 21153), (835, 21207), (858, 21255), (861, 21264), (892, 21378), (899, 21399), (901, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 149

Candidate Starts for DudeLittle_28:

(Start: 128 @20243 has 37 MA's), (Start: 149 @20267 has 636 MA's), (284, 20501), (285, 20504), (314, 20576), (315, 20579), (336, 20633), (353, 20672), (373, 20717), (389, 20750), (428, 20837), (472, 20918), (476, 20921), (594, 21194), (653, 21314), (692, 21440), (718, 21494), (721, 21503), (731, 21524), (747, 21557), (753, 21572), (755, 21578), (774, 21632), (785, 21671), (788, 21686), (813, 21770), (861, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 151

Candidate Starts for Dulcie_26:

(Start: 151 @20754 has 225 MA's), (Start: 167 @20775 has 5 MA's), (Start: 195 @20817 has 1 MA's), (228, 20862), (315, 21078), (333, 21123), (336, 21132), (353, 21171), (377, 21222), (378, 21225), (476, 21420), (510, 21489), (593, 21690), (594, 21693), (601, 21714), (652, 21810), (653, 21813), (655, 21819), (679, 21888), (684, 21906), (686, 21915), (697, 21945), (731, 22041), (747, 22074), (753, 22089), (795, 22230), (813, 22287), (861, 22398),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 196

Candidate Starts for Dumbo_24:

(Start: 134 @19213 has 130 MA's), (Start: 196 @19297 has 48 MA's), (Start: 246 @19375 has 1 MA's), (280, 19462), (286, 19477), (305, 19525), (320, 19564), (361, 19651), (377, 19684), (394, 19720), (402, 19750), (405, 19756), (458, 19825), (477, 19855), (481, 19867), (482, 19870), (512, 19927), (575, 20059), (578, 20065), (602, 20131), (604, 20137), (612, 20161), (628, 20209), (642, 20233), (647, 20242), (672, 20317), (721, 20368), (726, 20383), (786, 20545), (792, 20572), (801, 20602), (843, 20707), (879, 20785), (886, 20821), (889, 20830), (899, 20863), (906, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 168

Candidate Starts for DumpsterDude_19:

(Start: 144 @16180 has 6 MA's), (Start: 168 @16204 has 17 MA's), (Start: 177 @16216 has 2 MA's), (Start: 213 @16264 has 1 MA's), (273, 16393), (275, 16399), (295, 16465), (335, 16579), (363, 16645), (365, 16651), (460, 16831), (463, 16837), (499, 16918), (573, 17032), (614, 17146), (628, 17179), (646, 17209), (647, 17212), (665, 17275), (667, 17278), (679, 17311), (761, 17479), (763, 17485), (792, 17584), (847, 17728), (910, 17902),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Duplicity_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 149

Candidate Starts for Duplo_31:

(98, 20021), (Start: 128 @20063 has 37 MA's), (Start: 149 @20087 has 636 MA's), (255, 20240), (284, 20321), (285, 20324), (314, 20396), (315, 20399), (319, 20414), (336, 20453), (339, 20459), (389, 20570), (397, 20588), (399, 20597), (428, 20657), (472, 20738), (476, 20741), (542, 20897), (553, 20927), (653, 21134), (692, 21260), (731, 21362), (747, 21395), (753, 21410), (761, 21434), (785,

21509), (786, 21512), (788, 21524), (813, 21608), (849, 21686), (859, 21713), (861, 21719), (872, 21764), (876, 21773), (899, 21854),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Durfee_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 134

Candidate Starts for Dusk_23:

(Start: 134 @19405 has 130 MA's), (Start: 196 @19489 has 48 MA's), (Start: 246 @19567 has 1 MA's), (280, 19654), (286, 19669), (305, 19717), (320, 19756), (361, 19843), (377, 19876), (394, 19912), (402, 19942), (405, 19948), (458, 20017), (477, 20047), (481, 20059), (482, 20062), (512, 20119), (575, 20251), (578, 20257), (602, 20323), (604, 20329), (612, 20353), (628, 20401), (642, 20425), (647, 20434), (672, 20509), (721, 20560), (726, 20575), (786, 20737), (792, 20764), (801, 20794), (843, 20899), (879, 20977), (886, 21013), (889, 21022), (899, 21055), (906, 21070),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 151

Candidate Starts for Dussy_28:

(Start: 151 @21319 has 225 MA's), (Start: 167 @21340 has 5 MA's), (Start: 195 @21382 has 1 MA's), (228, 21427), (315, 21643), (333, 21688), (336, 21697), (353, 21736), (377, 21787), (378, 21790), (476, 21985), (510, 22054), (593, 22255), (594, 22258), (601, 22279), (652, 22375), (653, 22378), (655, 22384), (679, 22453), (684, 22471), (686, 22480), (697, 22510), (731, 22606), (747, 22639), (753, 22654), (795, 22795), (813, 22852), (861, 22963),

Gene: Dusty_47 Start: 29340, Stop: 31031, Start Num: 150

Candidate Starts for Dusty_47:

(Start: 150 @29340 has 17 MA's), (192, 29400), (Start: 214 @29433 has 22 MA's), (Start: 233 @29463 has 2 MA's), (234, 29466), (294, 29625), (299, 29634), (353, 29763), (375, 29811), (512, 30024), (514, 30030), (521, 30054), (587, 30183), (593, 30204), (604, 30237), (672, 30435), (763, 30588), (792, 30687), (795, 30699), (798, 30708), (829, 30792), (887, 30939), (897, 30975),

Gene: DustyMartin_31 Start: 19855, Stop: 21633, Start Num: 149

Candidate Starts for DustyMartin_31:

(Start: 149 @19855 has 636 MA's), (Start: 195 @19912 has 1 MA's), (205, 19927), (231, 19960), (238, 19981), (280, 20083), (284, 20095), (285, 20098), (315, 20173), (319, 20188), (336, 20227), (389, 20344), (397, 20362), (428, 20431), (461, 20485), (470, 20506), (487, 20545), (510, 20584), (542, 20671), (560, 20716), (587, 20764), (593, 20785), (601, 20809), (606, 20821), (609, 20827), (653, 20908), (684, 21001), (686, 21010), (692, 21034), (697, 21040), (700, 21055), (718, 21088), (744, 21139), (749, 21157), (764, 21202), (813, 21364), (826, 21388), (828, 21394), (859, 21469), (861, 21475), (862, 21484), (879, 21535), (899, 21610),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 113

Candidate Starts for Dylan_56:

(Start: 106 @33560 has 2 MA's), (Start: 113 @33569 has 28 MA's), (Start: 179 @33659 has 33 MA's), (253, 33776), (265, 33812), (275, 33833), (283, 33860), (286, 33866), (299, 33896), (308, 33920), (330, 33971), (394, 34109), (396, 34115), (412, 34166), (413, 34169), (427, 34187), (475, 34238), (482, 34259), (483, 34262), (504, 34295), (511, 34310), (512, 34316), (526, 34364), (528, 34370), (531, 34376), (563, 34436), (574, 34460), (575, 34463), (593, 34508), (598, 34523), (601, 34532),

(604, 34541), (618, 34586), (628, 34604), (647, 34637), (722, 34775), (730, 34796), (758, 34862), (768, 34892), (784, 34946), (794, 34988), (801, 35009), (807, 35030), (811, 35042), (821, 35063), (844, 35117), (879, 35195), (886, 35231), (892, 35252), (900, 35279),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 151

Candidate Starts for Dynamix_28:

(Start: 151 @21136 has 225 MA's), (Start: 167 @21157 has 5 MA's), (Start: 195 @21199 has 1 MA's), (228, 21244), (315, 21460), (333, 21505), (336, 21514), (377, 21604), (378, 21607), (416, 21700), (476, 21802), (510, 21871), (593, 22072), (594, 22075), (601, 22096), (652, 22192), (653, 22195), (655, 22201), (679, 22270), (684, 22288), (686, 22297), (697, 22327), (731, 22423), (747, 22456), (753, 22471), (795, 22612), (813, 22669), (861, 22780), (907, 22933),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 122

Candidate Starts for Dynamo_19:

(Start: 107 @16370 has 2 MA's), (Start: 122 @16394 has 48 MA's), (Start: 170 @16454 has 41 MA's), (183, 16475), (185, 16478), (260, 16598), (274, 16637), (284, 16670), (294, 16694), (344, 16814), (361, 16853), (363, 16859), (399, 16943), (401, 16949), (405, 16961), (413, 16985), (442, 17012), (458, 17030), (473, 17069), (475, 17075), (483, 17099), (512, 17153), (516, 17165), (518, 17174), (545, 17234), (583, 17312), (597, 17351), (609, 17384), (628, 17450), (636, 17465), (642, 17474), (650, 17498), (660, 17528), (667, 17540), (733, 17642), (741, 17654), (744, 17657), (746, 17663), (748, 17672), (784, 17780), (807, 17864), (852, 17963), (889, 18071), (906, 18119),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for ECartman_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: EGUunicorn_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for EGUunicorn_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 214

Candidate Starts for EMoore_31:

(Start: 175 @29454 has 1 MA's), (Start: 214 @29511 has 22 MA's), (222, 29523), (240, 29556), (263, 29607), (305, 29724), (310, 29736), (344, 29811), (365, 29862), (370, 29871), (385, 29901), (428, 30009), (483, 30108), (502, 30138), (508, 30147), (517, 30180), (518, 30183), (545, 30243), (574, 30291), (601, 30363), (613, 30396), (614, 30399), (633, 30438), (649, 30477), (678, 30564), (679, 30567), (718, 30594), (740, 30645), (762, 30705), (777, 30750), (797, 30831), (808, 30867), (811, 30876), (815, 30885), (862, 30981), (889, 31077), (899, 31110), (906, 31125),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 117

Candidate Starts for EMSquaredA_20:

(Start: 100 @17542 has 1 MA's), (Start: 117 @17566 has 26 MA's), (197, 17671), (230, 17713), (265, 17788), (313, 17902), (373, 18049), (377, 18055), (397, 18100), (470, 18238), (508, 18313), (652, 18595), (658, 18616), (684, 18691), (719, 18778), (740, 18814), (753, 18847), (755, 18853), (787, 18919), (795, 18949), (859, 19105), (861, 19111), (864, 19129), (896, 19240),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 149

Candidate Starts for EZMoney23_32:

(Start: 128 @22121 has 37 MA's), (Start: 149 @22145 has 636 MA's), (284, 22379), (285, 22382), (314, 22454), (315, 22457), (336, 22511), (353, 22550), (389, 22628), (428, 22715), (472, 22796), (476, 22799), (553, 22985), (587, 23048), (594, 23072), (609, 23111), (648, 23177), (653, 23192), (697, 23324), (731, 23402), (747, 23435), (753, 23450), (774, 23510), (785, 23549), (788, 23564), (797, 23597), (813, 23648), (859, 23753), (861, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Eagle_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 149

Candidate Starts for EagleEye_30:

(Start: 128 @20914 has 37 MA's), (Start: 149 @20938 has 636 MA's), (255, 21091), (284, 21172), (285, 21175), (314, 21247), (315, 21250), (321, 21268), (331, 21289), (336, 21304), (339, 21310), (361, 21361), (389, 21421), (428, 21508), (472, 21589), (476, 21592), (553, 21778), (587, 21841), (594, 21865), (609, 21904), (653, 21985), (692, 22111), (715, 22174), (753, 22261), (785, 22360), (797, 22408), (813, 22459), (861, 22570), (876, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 149

Candidate Starts for Eaglepride_28:

(Start: 128 @19783 has 37 MA's), (Start: 149 @19807 has 636 MA's), (Start: 195 @19864 has 1 MA's), (238, 19933), (280, 20035), (284, 20047), (285, 20050), (315, 20125), (319, 20140), (336, 20179), (389, 20296), (428, 20383), (470, 20458), (487, 20497), (542, 20623), (560, 20668), (593, 20737), (601, 20761), (606, 20773), (609, 20779), (684, 20953), (686, 20962), (692, 20986), (697, 20992), (718, 21040), (744, 21091), (749, 21109), (859, 21421), (861, 21427), (862, 21436), (899, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 149

Candidate Starts for Eapen_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19883 has 1 MA's), (Start: 233 @19937 has 2 MA's), (238, 19952), (Start: 246 @19970 has 1 MA's), (280, 20054), (284, 20066), (285, 20069), (315, 20144), (319, 20159), (336, 20198), (389, 20315), (428, 20402), (472, 20483), (499, 20531), (510, 20555), (542, 20642), (560, 20687), (594, 20759), (601, 20780), (609, 20798), (653, 20879), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (702, 21035), (731, 21089), (744, 21110), (761, 21161), (770, 21185), (786, 21239), (813, 21335), (859, 21440), (862, 21455), (893, 21563), (899, 21581),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 178

Candidate Starts for Easley_20:

(96, 17215), (Start: 178 @17332 has 57 MA's), (308, 17590), (316, 17611), (338, 17665), (356, 17704), (378, 17761), (388, 17782), (510, 17953), (515, 17971), (522, 17995), (528, 18016), (568, 18058), (602, 18139), (653, 18229), (685, 18331), (686, 18334), (730, 18388), (766, 18478), (862, 18757), (864, 18766), (873, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 196

Candidate Starts for Easy2Say_26:

(Start: 134 @20996 has 130 MA's), (Start: 196 @21080 has 48 MA's), (Start: 246 @21158 has 1 MA's), (280, 21245), (286, 21260), (305, 21308), (320, 21347), (361, 21434), (377, 21467), (394, 21503), (402, 21533), (405, 21539), (458, 21608), (477, 21638), (481, 21650), (482, 21653), (512, 21710), (575, 21842), (578, 21848), (602, 21914), (604, 21920), (612, 21944), (628, 21992), (642, 22016), (647, 22025), (672, 22100), (721, 22151), (726, 22166), (786, 22328), (792, 22355), (801, 22385), (843, 22490), (879, 22568), (886, 22604), (889, 22613), (899, 22646), (906, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Ebert_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 149

Candidate Starts for Ebony_28:

(98, 20732), (Start: 128 @20774 has 37 MA's), (Start: 149 @20798 has 636 MA's), (188, 20840), (Start: 246 @20936 has 1 MA's), (255, 20951), (284, 21032), (285, 21035), (315, 21110), (319, 21125), (336, 21164), (339, 21170), (361, 21221), (389, 21281), (393, 21287), (428, 21368), (476, 21452), (526, 21578), (533, 21596), (550, 21623), (609, 21764), (648, 21830), (652, 21842), (653, 21845), (712, 22034), (721, 22061), (726, 22070), (736, 22091), (738, 22094), (747, 22115), (753, 22130), (761, 22154), (785, 22229), (788, 22244), (813, 22328), (859, 22433), (861, 22439), (876, 22493), (907, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 149

Candidate Starts for Echild_28:

(Start: 128 @20268 has 37 MA's), (Start: 149 @20292 has 636 MA's), (231, 20391), (265, 20475), (284, 20526), (285, 20529), (314, 20601), (315, 20604), (336, 20658), (353, 20697), (389, 20775), (428, 20862), (472, 20943), (476, 20946), (594, 21219), (653, 21339), (692, 21465), (697, 21471), (718, 21519), (747, 21582), (753, 21597), (755, 21603), (774, 21657), (785, 21696), (788, 21711), (813, 21795), (861, 21906),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 117

Candidate Starts for Ecliptus_24:

(Start: 117 @18429 has 26 MA's), (Start: 123 @18441 has 8 MA's), (Start: 126 @18444 has 1 MA's), (202, 18546), (228, 18582), (257, 18648), (317, 18792), (321, 18801), (330, 18819), (347, 18861), (353, 18867), (363, 18891), (373, 18915), (397, 18966), (398, 18972), (408, 19002), (437, 19044), (453, 19065), (457, 19071), (467, 19095), (487, 19146), (489, 19149), (508, 19179), (589, 19329), (601, 19365), (660, 19491), (684, 19557), (686, 19566), (691, 19587), (740, 19680), (748, 19701), (753, 19713), (755, 19719), (758, 19728), (760, 19731), (787, 19785), (795, 19815), (818, 19884), (859, 19971), (861, 19977), (875, 20028), (899, 20115), (907, 20133),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 149

Candidate Starts for Edison31_27:

(Start: 149 @19822 has 636 MA's), (Start: 195 @19879 has 1 MA's), (205, 19894), (231, 19927), (238, 19948), (280, 20050), (284, 20062), (285, 20065), (315, 20140), (319, 20155), (336, 20194), (389, 20311), (397, 20329), (428, 20398), (470, 20473), (487, 20512), (510, 20551), (542, 20638), (560, 20683), (593, 20752), (601, 20776), (606, 20788), (609, 20794), (653, 20875), (684, 20968), (686, 20977), (692, 21001), (697, 21007), (700, 21022), (718, 21055), (744, 21106), (749, 21124), (763, 21163), (792, 21262), (813, 21331), (826, 21355), (828, 21361), (859, 21436), (861, 21442), (862, 21451), (879, 21502), (899, 21577),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 215

Candidate Starts for EdmundFerry_31:

(Start: 215 @27556 has 57 MA's), (232, 27577), (261, 27640), (305, 27763), (310, 27775), (333, 27832), (370, 27910), (419, 28033), (483, 28147), (502, 28177), (517, 28219), (545, 28282), (574, 28330), (578, 28339), (597, 28390), (614, 28438), (678, 28603), (718, 28633), (761, 28741), (762, 28744), (777, 28789), (790, 28846), (792, 28852), (793, 28858), (808, 28906), (811, 28915), (813, 28921), (815, 28924), (835, 28975), (862, 29020), (882, 29089), (895, 29137), (899, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 179

Candidate Starts for EdnaMode_17:

(Start: 179 @14694 has 33 MA's), (248, 14811), (271, 14883), (295, 14961), (347, 15084), (360, 15105), (388, 15174), (389, 15177), (409, 15234), (444, 15309), (471, 15363), (509, 15444), (526, 15504), (626, 15669), (637, 15687), (645, 15702), (654, 15726), (679, 15798), (681, 15801), (685, 15822), (792, 16056), (796, 16071), (809, 16113), (847, 16206), (849, 16209), (864, 16257), (873, 16287), (889, 16344),

Gene: EdogawaKiddo_28 Start: 21749, Stop: 23539, Start Num: 149

Candidate Starts for EdogawaKiddo_28:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 151

Candidate Starts for Edtherson_28:

(Start: 151 @21883 has 225 MA's), (Start: 167 @21904 has 5 MA's), (Start: 195 @21946 has 1 MA's), (228, 21991), (315, 22207), (333, 22252), (336, 22261), (353, 22300), (377, 22351), (378, 22354), (416, 22447), (476, 22549), (510, 22618), (593, 22819), (594, 22822), (601, 22843), (652, 22939), (653, 22942), (655, 22948), (679, 23017), (684, 23035), (686, 23044), (697, 23074), (731, 23170), (747, 23203), (753, 23218), (795, 23359), (813, 23416), (861, 23527),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 118

Candidate Starts for Efra2_23:

(Start: 118 @16364 has 152 MA's), (Start: 121 @16370 has 18 MA's), (143, 16394), (Start: 246 @16553 has 1 MA's), (262, 16586), (273, 16616), (283, 16649), (288, 16661), (317, 16751), (335, 16793), (365, 16865), (369, 16874), (389, 16913), (405, 16958), (412, 16979), (413, 16982), (459, 17054), (475, 17096), (477, 17102), (487, 17129), (574, 17267), (582, 17285), (597, 17327), (603, 17345), (614, 17375), (669, 17507), (715, 17597), (762, 17702), (773, 17732), (795, 17816), (811, 17867), (862, 17966), (889, 18062), (900, 18101), (901, 18104), (910, 18122),

Gene: Egi03_31 Start: 26053, Stop: 27819, Start Num: 102

Candidate Starts for Egi03_31:

(85, 26011), (Start: 102 @26053 has 86 MA's), (Start: 126 @26089 has 1 MA's), (Start: 153 @26122 has 10 MA's), (274, 26332), (275, 26335), (284, 26365), (307, 26431), (315, 26455), (317, 26464), (332, 26497), (399, 26650), (416, 26689), (453, 26740), (460, 26752), (467, 26770), (471, 26782), (475, 26794), (480, 26809), (496, 26839), (499, 26842), (509, 26863), (554, 26935), (579, 26983), (620, 27094), (649, 27127), (660, 27166), (663, 27169), (686, 27241), (715, 27307), (719, 27319), (795, 27490), (796, 27493), (811, 27541), (824, 27568), (833, 27595), (859, 27649), (890, 27766), (896, 27787), (907, 27814),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 146

Candidate Starts for Eidsmoe_30:

(Start: 146 @21776 has 12 MA's), (Start: 149 @21779 has 636 MA's), (284, 22013), (285, 22016), (314, 22088), (315, 22091), (319, 22106), (336, 22145), (339, 22151), (389, 22262), (428, 22349), (472, 22430), (476, 22433), (506, 22493), (553, 22619), (587, 22682), (594, 22706), (596, 22712), (609, 22745), (653, 22826), (692, 22952), (705, 22994), (706, 22997), (731, 23054), (747, 23087), (753, 23102), (785, 23201), (786, 23204), (788, 23216), (813, 23300), (842, 23366), (859, 23405), (861, 23411), (872, 23456), (889, 23513), (890, 23516),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Ein37_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 129

Candidate Starts for Eish_16:

(Start: 129 @14946 has 222 MA's), (199, 15033), (Start: 233 @15078 has 2 MA's), (242, 15102), (283, 15207), (286, 15213), (292, 15231), (305, 15261), (350, 15366), (379, 15426), (383, 15435), (394, 15456), (401, 15480), (415, 15522), (453, 15555), (460, 15567), (475, 15606), (480, 15621), (482, 15627), (504, 15663), (511, 15678), (512, 15684), (521, 15714), (526, 15732), (531, 15744), (535, 15750), (574, 15810), (593, 15858), (597, 15870), (624, 15945), (628, 15954), (642, 15978), (652, 16008), (718, 16113), (722, 16125), (738, 16161), (766, 16239), (794, 16338), (801, 16359), (811, 16392), (826, 16422), (835, 16452), (841, 16461), (844, 16467), (859, 16482), (860, 16485), (864, 16506), (865, 16509), (881, 16551), (886, 16581), (899, 16623), (900, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 128

Candidate Starts for Ejimix_37:

(Start: 128 @28088 has 37 MA's), (Start: 196 @28178 has 48 MA's), (229, 28226), (242, 28256), (257, 28283), (294, 28385), (307, 28415), (325, 28466), (346, 28514), (363, 28550), (365, 28556), (377, 28577), (405, 28649), (408, 28658), (415, 28679), (482, 28787), (483, 28790), (490, 28805), (512, 28844), (526, 28892), (531, 28904), (535, 28910), (561, 28958), (566, 28967), (575, 28988), (583, 29006), (600, 29054), (638, 29156), (667, 29228), (683, 29273), (685, 29285), (694, 29420), (695, 29426), (696, 29450), (708, 29522), (716, 29549), (802, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 111

Candidate Starts for Ekdilam_20:

(Start: 95 @17301 has 1 MA's), (Start: 111 @17331 has 26 MA's), (Start: 118 @17340 has 152 MA's), (143, 17370), (Start: 233 @17496 has 2 MA's), (238, 17511), (Start: 246 @17529 has 1 MA's), (262,

17562), (283, 17625), (288, 17637), (294, 17655), (317, 17727), (335, 17769), (369, 17850), (412, 17955), (413, 17958), (427, 17994), (459, 18030), (475, 18072), (477, 18078), (487, 18105), (582, 18261), (614, 18351), (628, 18378), (649, 18423), (669, 18483), (691, 18558), (718, 18582), (749, 18642), (762, 18678), (773, 18708), (795, 18792), (864, 18951), (900, 19077), (901, 19080), (910, 19098),

Gene: ElJefes_17 Start: 15890, Stop: 17587, Start Num: 139

Candidate Starts for ElJefes_17:

(Start: 139 @15890 has 9 MA's), (Start: 149 @15893 has 636 MA's), (226, 15992), (Start: 246 @16034 has 1 MA's), (257, 16055), (335, 16274), (388, 16391), (398, 16418), (416, 16463), (423, 16469), (428, 16481), (441, 16496), (451, 16511), (475, 16568), (487, 16601), (496, 16613), (548, 16700), (553, 16718), (569, 16748), (584, 16778), (590, 16793), (606, 16841), (634, 16892), (653, 16928), (657, 16943), (664, 16961), (684, 17018), (748, 17147), (753, 17159), (781, 17207), (794, 17258), (795, 17261), (801, 17279), (830, 17357), (842, 17384), (861, 17426), (901, 17573), (906, 17579),

Gene: ElTiger69_24 Start: 18976, Stop: 20775, Start Num: 149

Candidate Starts for ElTiger69_24:

(Start: 149 @18976 has 636 MA's), (285, 19213), (302, 19249), (315, 19288), (319, 19303), (335, 19339), (366, 19411), (373, 19426), (389, 19459), (393, 19465), (487, 19660), (506, 19690), (509, 19696), (542, 19786), (560, 19831), (593, 19900), (609, 19942), (615, 19960), (652, 20020), (653, 20023), (684, 20116), (730, 20257), (747, 20293), (858, 20608), (861, 20617), (899, 20752),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 129

Candidate Starts for EleanorGeorge_16:

(Start: 129 @14974 has 222 MA's), (199, 15061), (Start: 233 @15106 has 2 MA's), (242, 15130), (283, 15235), (286, 15241), (292, 15259), (305, 15289), (350, 15394), (379, 15454), (389, 15475), (394, 15484), (399, 15502), (401, 15508), (475, 15634), (480, 15649), (482, 15655), (504, 15691), (506, 15694), (511, 15706), (512, 15712), (526, 15760), (531, 15772), (535, 15778), (574, 15838), (579, 15850), (593, 15886), (597, 15898), (624, 15973), (628, 15982), (638, 16000), (642, 16006), (652, 16036), (718, 16141), (721, 16150), (722, 16153), (738, 16189), (766, 16267), (794, 16366), (801, 16387), (811, 16420), (826, 16450), (835, 16480), (841, 16489), (844, 16495), (859, 16510), (860, 16513), (865, 16537), (876, 16567), (881, 16579), (886, 16609), (899, 16651),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 149

Candidate Starts for Elephantoon_29:

(Start: 128 @21163 has 37 MA's), (Start: 149 @21187 has 636 MA's), (284, 21421), (285, 21424), (314, 21496), (315, 21499), (321, 21517), (336, 21553), (339, 21559), (353, 21592), (361, 21610), (389, 21670), (401, 21703), (428, 21757), (472, 21838), (476, 21841), (526, 21967), (553, 22027), (587, 22090), (606, 22147), (653, 22234), (692, 22360), (699, 22378), (705, 22402), (731, 22462), (747, 22495), (753, 22510), (785, 22609), (786, 22612), (788, 22624), (813, 22708), (842, 22774), (859, 22813), (861, 22819), (872, 22864), (889, 22921), (890, 22924),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 149

Candidate Starts for Elinal_19:

(Start: 139 @15415 has 9 MA's), (Start: 149 @15418 has 636 MA's), (226, 15517), (Start: 246 @15559 has 1 MA's), (335, 15799), (373, 15886), (384, 15907), (388, 15916), (398, 15943), (416, 15988), (441, 16021), (451, 16036), (463, 16060), (475, 16093), (487, 16126), (496, 16138), (518, 16195), (548, 16225), (553, 16243), (569, 16273), (584, 16303), (606, 16366), (634, 16417), (653, 16453), (657, 16468), (664, 16486), (684, 16543), (686, 16552), (748, 16672), (753, 16684), (781, 16732), (794, 16783), (795, 16786), (801, 16804), (830, 16882), (842, 16909), (861, 16951), (901, 17098), (906, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 139

Candidate Starts for Elliott_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 134

Candidate Starts for Elite2014_23:

(Start: 134 @18953 has 130 MA's), (Start: 196 @19037 has 48 MA's), (Start: 246 @19115 has 1 MA's), (280, 19202), (286, 19217), (305, 19265), (320, 19304), (361, 19391), (377, 19424), (394, 19460), (402, 19490), (405, 19496), (458, 19565), (477, 19595), (481, 19607), (482, 19610), (512, 19667), (575, 19799), (578, 19805), (602, 19871), (604, 19877), (612, 19901), (628, 19949), (642, 19973), (647, 19982), (672, 20057), (721, 20108), (726, 20123), (786, 20285), (792, 20312), (801, 20342), (843, 20447), (879, 20525), (886, 20561), (889, 20570), (899, 20603), (906, 20618),

Gene: Elle_28 Start: 19061, Stop: 20845, Start Num: 149

Candidate Starts for Elle_28:

(Start: 128 @19037 has 37 MA's), (Start: 149 @19061 has 636 MA's), (Start: 214 @19136 has 22 MA's), (238, 19181), (Start: 246 @19199 has 1 MA's), (284, 19295), (285, 19298), (294, 19328), (302, 19334), (315, 19373), (319, 19388), (343, 19442), (353, 19466), (378, 19520), (433, 19637), (455, 19670), (472, 19712), (476, 19715), (509, 19781), (524, 19832), (560, 19916), (652, 20105), (653, 20108), (673, 20171), (731, 20336), (749, 20375), (755, 20390), (775, 20447), (785, 20483), (813, 20576), (862, 20696), (889, 20789), (901, 20831),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 118

Candidate Starts for Ellie_20:

(Start: 95 @17297 has 1 MA's), (Start: 111 @17327 has 26 MA's), (Start: 116 @17333 has 42 MA's), (Start: 118 @17336 has 152 MA's), (Start: 137 @17348 has 56 MA's), (143, 17354), (Start: 233 @17480 has 2 MA's), (238, 17495), (262, 17546), (273, 17576), (283, 17609), (317, 17711), (333, 17747), (335, 17753), (369, 17834), (427, 17978), (428, 17981), (445, 17996), (455, 18008), (459, 18014), (467, 18032), (475, 18056), (477, 18062), (487, 18089), (582, 18245), (628, 18362), (647, 18395), (649, 18407), (653, 18419), (669, 18467), (761, 18659), (773, 18692), (776, 18701), (792, 18764), (795, 18776), (811, 18827), (813, 18833), (862, 18926), (879, 18977), (889, 19022), (900, 19061), (901, 19064), (910, 19082),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 134

Candidate Starts for Elph10_25:

(Start: 134 @19216 has 130 MA's), (Start: 196 @19300 has 48 MA's), (Start: 246 @19378 has 1 MA's), (280, 19465), (286, 19480), (305, 19528), (320, 19567), (361, 19654), (377, 19687), (394, 19723), (402, 19753), (405, 19759), (458, 19828), (477, 19858), (481, 19870), (482, 19873), (512, 19930), (575, 20062), (578, 20068), (602, 20134), (604, 20140), (612, 20164), (628, 20212), (642, 20236), (647, 20245), (672, 20320), (721, 20371), (726, 20386), (786, 20548), (792, 20575), (801, 20605), (843, 20710), (879, 20788), (886, 20824), (889, 20833), (899, 20866), (906, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 149

Candidate Starts for Emalyn_17:

(Start: 139 @15030 has 9 MA's), (Start: 149 @15033 has 636 MA's), (226, 15132), (Start: 233 @15144 has 2 MA's), (274, 15240), (302, 15324), (335, 15414), (361, 15474), (398, 15558), (416, 15603), (441, 15636), (449, 15648), (461, 15672), (487, 15741), (496, 15753), (584, 15918), (611, 15990), (653, 16068), (657, 16083), (664, 16101), (684, 16158), (753, 16299), (755, 16305), (760, 16317), (769, 16326), (794, 16398), (795, 16401), (797, 16407), (801, 16419), (842, 16524), (847, 16533), (861,

16566), (906, 16719),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 118

Candidate Starts for Emerson_23:

(Start: 118 @17148 has 152 MA's), (143, 17178), (Start: 246 @17337 has 1 MA's), (262, 17370), (273, 17400), (283, 17433), (288, 17445), (317, 17535), (335, 17577), (365, 17649), (369, 17658), (389, 17697), (405, 17742), (412, 17763), (413, 17766), (445, 17820), (459, 17838), (475, 17880), (477, 17886), (487, 17913), (574, 18051), (582, 18069), (597, 18111), (603, 18129), (614, 18159), (628, 18186), (669, 18291), (749, 18450), (762, 18486), (773, 18516), (776, 18525), (795, 18600), (811, 18651), (889, 18846), (900, 18885), (901, 18888), (910, 18906),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 129

Candidate Starts for EmiMonkey_16:

(Start: 129 @14759 has 222 MA's), (199, 14846), (Start: 233 @14891 has 2 MA's), (242, 14915), (283, 15020), (286, 15026), (292, 15044), (305, 15074), (350, 15179), (379, 15239), (388, 15257), (389, 15260), (394, 15269), (401, 15293), (475, 15419), (480, 15434), (482, 15440), (504, 15476), (506, 15479), (511, 15491), (512, 15497), (526, 15545), (531, 15557), (535, 15563), (574, 15623), (579, 15635), (593, 15671), (597, 15683), (624, 15758), (628, 15767), (638, 15785), (642, 15791), (652, 15821), (718, 15926), (722, 15938), (738, 15974), (766, 16052), (801, 16172), (811, 16205), (826, 16235), (829, 16247), (835, 16265), (839, 16271), (841, 16274), (844, 16280), (859, 16295), (860, 16298), (864, 16319), (865, 16322), (881, 16364), (886, 16394), (899, 16436), (900, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 170

Candidate Starts for Emianna_41:

(Start: 170 @30825 has 41 MA's), (Start: 200 @30861 has 1 MA's), (212, 30879), (Start: 246 @30939 has 1 MA's), (338, 31179), (343, 31191), (347, 31206), (381, 31272), (388, 31287), (399, 31311), (400, 31314), (435, 31398), (454, 31428), (456, 31431), (501, 31488), (518, 31536), (519, 31539), (525, 31560), (587, 31665), (602, 31710), (626, 31752), (717, 31926), (727, 31956), (731, 31962), (779, 32070), (780, 32073), (801, 32148), (886, 32367), (905, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Emma_16:

(Start: 129 @14857 has 222 MA's), (199, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (283, 15118), (286, 15124), (292, 15142), (305, 15172), (350, 15277), (379, 15337), (389, 15358), (394, 15367), (401, 15391), (475, 15517), (480, 15532), (482, 15538), (504, 15574), (506, 15577), (511, 15589), (512, 15595), (526, 15643), (531, 15655), (535, 15661), (574, 15721), (579, 15733), (593, 15769), (597, 15781), (624, 15856), (628, 15865), (638, 15883), (642, 15889), (652, 15919), (718, 16024), (721, 16033), (722, 16036), (738, 16072), (766, 16150), (794, 16249), (801, 16270), (811, 16303), (826, 16333), (835, 16363), (841, 16372), (844, 16378), (859, 16393), (860, 16396), (865, 16420), (876, 16450), (881, 16462), (886, 16492), (899, 16534),

Gene: Emmaloid_17 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Emmaloid_17:

(Start: 129 @14596 has 222 MA's), (199, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (283, 14857), (286, 14863), (292, 14881), (305, 14911), (350, 15016), (379, 15076), (388, 15094), (389, 15097), (394, 15106), (401, 15130), (475, 15256), (480, 15271), (482, 15277), (504, 15313), (506, 15316), (511, 15328), (512, 15334), (526, 15382), (531, 15394), (535, 15400), (574, 15460), (579, 15472), (593, 15508), (597, 15520), (624, 15595), (628, 15604), (638, 15622), (642, 15628), (652, 15658), (718, 15763), (722, 15775), (738, 15811), (766, 15889), (801, 16009), (811, 16042), (826, 16072), (829, 16084), (835, 16102), (839, 16108), (841, 16111), (844, 16117), (859, 16132), (860, 16135), (864, 16156), (865, 16159), (881, 16201), (886, 16231), (899, 16273), (900, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 196

Candidate Starts for Emmina_25:

(Start: 134 @19577 has 130 MA's), (Start: 196 @19661 has 48 MA's), (Start: 246 @19739 has 1 MA's), (280, 19826), (286, 19841), (305, 19889), (320, 19928), (361, 20015), (377, 20048), (394, 20084), (402, 20114), (405, 20120), (458, 20189), (477, 20219), (481, 20231), (482, 20234), (512, 20291), (575, 20423), (578, 20429), (602, 20495), (604, 20501), (612, 20525), (628, 20573), (642, 20597), (647, 20606), (672, 20681), (721, 20732), (726, 20747), (786, 20909), (792, 20936), (801, 20966), (843, 21071), (879, 21149), (886, 21185), (889, 21194), (899, 21227), (906, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 129

Candidate Starts for Empress_17:

(Start: 129 @16157 has 222 MA's), (199, 16244), (Start: 233 @16289 has 2 MA's), (242, 16313), (283, 16418), (286, 16424), (292, 16442), (305, 16472), (350, 16577), (379, 16637), (389, 16658), (394, 16667), (401, 16691), (475, 16817), (480, 16832), (482, 16838), (504, 16874), (506, 16877), (511, 16889), (512, 16895), (526, 16943), (531, 16955), (535, 16961), (574, 17021), (579, 17033), (593, 17069), (597, 17081), (624, 17156), (628, 17165), (638, 17183), (642, 17189), (652, 17219), (718, 17324), (721, 17333), (722, 17336), (738, 17372), (766, 17450), (794, 17549), (801, 17570), (811, 17603), (826, 17633), (835, 17663), (841, 17672), (844, 17678), (859, 17693), (860, 17696), (864, 17717), (865, 17720), (881, 17762), (886, 17792), (899, 17834),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 149

Candidate Starts for EmyBug_30:

(Start: 146 @21776 has 12 MA's), (Start: 149 @21779 has 636 MA's), (284, 22013), (285, 22016), (314, 22088), (315, 22091), (319, 22106), (336, 22145), (339, 22151), (389, 22262), (428, 22349), (472, 22430), (476, 22433), (506, 22493), (553, 22619), (587, 22682), (594, 22706), (596, 22712), (609, 22745), (653, 22826), (692, 22952), (705, 22994), (706, 22997), (731, 23054), (747, 23087), (753, 23102), (785, 23201), (786, 23204), (788, 23216), (813, 23300), (842, 23366), (859, 23405), (861, 23411), (872, 23456), (889, 23513), (890, 23516),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 117

Candidate Starts for EnalisNailo_20:

(Start: 100 @17691 has 1 MA's), (Start: 117 @17715 has 26 MA's), (158, 17763), (197, 17820), (230, 17862), (313, 18051), (373, 18198), (377, 18204), (397, 18249), (470, 18387), (508, 18462), (652, 18744), (658, 18765), (684, 18840), (719, 18927), (740, 18963), (753, 18996), (755, 19002), (787, 19068), (795, 19098), (859, 19254), (861, 19260), (864, 19278), (896, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Enby_17:

(Start: 129 @14628 has 222 MA's), (199, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (265, 14841), (283, 14889), (286, 14895), (292, 14913), (305, 14943), (350, 15048), (376, 15102), (379, 15108), (383, 15117), (389, 15129), (394, 15138), (401, 15162), (413, 15198), (415, 15204), (427, 15216), (453, 15237), (455, 15240), (460, 15249), (467, 15264), (469, 15270), (475, 15288), (480, 15303), (482, 15309), (490, 15327), (493, 15330), (504, 15345), (511, 15360), (512, 15366), (521, 15396), (526, 15414), (531, 15426), (535, 15432), (574, 15492), (579, 15504), (593, 15540), (597, 15552), (604, 15573), (624, 15627), (628, 15636), (642, 15660), (652, 15690), (718, 15795), (722, 15807), (738, 15843), (754, 15882), (766, 15921), (794, 16020), (801, 16041), (811, 16074), (826, 16104), (835, 16134), (841, 16143), (844, 16149), (859, 16164), (860, 16167), (864, 16188), (865, 16191), (881, 16233), (886, 16263), (899, 16305), (900, 16311),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 150

Candidate Starts for Engineer_49:

(Start: 150 @29557 has 17 MA's), (192, 29617), (Start: 214 @29650 has 22 MA's), (Start: 233 @29680 has 2 MA's), (234, 29683), (294, 29842), (299, 29851), (353, 29980), (375, 30028), (512, 30241), (514, 30247), (521, 30271), (587, 30400), (593, 30421), (604, 30454), (672, 30652), (763, 30805), (792,

30904), (795, 30916), (798, 30925), (829, 31009), (887, 31156), (897, 31192),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Enkosi_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 170

Candidate Starts for Ennea_47:

(Start: 170 @31470 has 41 MA's), (Start: 246 @31587 has 1 MA's), (338, 31827), (343, 31839), (347, 31854), (381, 31920), (388, 31935), (435, 32046), (454, 32076), (456, 32079), (501, 32136), (525, 32208), (587, 32313), (626, 32400), (652, 32448), (717, 32574), (718, 32577), (731, 32610), (763, 32667), (801, 32796), (813, 32835), (865, 32940), (884, 33003), (886, 33015), (890, 33027), (892, 33036), (905, 33072),

Gene: EnzoK_28 Start: 21308, Stop: 23110, Start Num: 151

Candidate Starts for EnzoK_28:

(Start: 151 @21308 has 225 MA's), (Start: 167 @21329 has 5 MA's), (Start: 195 @21371 has 1 MA's), (228, 21416), (315, 21632), (333, 21677), (336, 21686), (377, 21776), (378, 21779), (476, 21974), (510, 22043), (589, 22232), (593, 22244), (594, 22247), (601, 22268), (652, 22364), (653, 22367), (655, 22373), (679, 22442), (684, 22460), (686, 22469), (697, 22499), (731, 22595), (747, 22628), (753, 22643), (795, 22784), (813, 22841), (861, 22952), (907, 23105),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for EpicPhail_29:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 118

Candidate Starts for Eponine_24:

(Start: 95 @18484 has 1 MA's), (Start: 111 @18514 has 26 MA's), (Start: 116 @18520 has 42 MA's), (Start: 118 @18523 has 152 MA's), (Start: 140 @18538 has 3 MA's), (Start: 171 @18580 has 8 MA's), (205, 18628), (Start: 233 @18667 has 2 MA's), (238, 18682), (Start: 246 @18700 has 1 MA's), (262, 18733), (273, 18763), (288, 18808), (294, 18826), (317, 18898), (319, 18904), (333, 18934), (334, 18937), (361, 19000), (365, 19012), (420, 19147), (427, 19165), (455, 19195), (459, 19201), (467, 19219), (477, 19249), (496, 19288), (574, 19414), (598, 19477), (669, 19678), (686, 19732), (718, 19777), (739, 19822), (749, 19846), (761, 19879), (773, 19912), (792, 19984), (795, 19996), (811, 20047), (813, 20053), (864, 20155), (900, 20281), (910, 20302),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 149

Candidate Starts for Epsocamisio_30:

(98, 19027), (Start: 128 @19069 has 37 MA's), (Start: 149 @19093 has 636 MA's), (Start: 246 @19231 has 1 MA's), (272, 19288), (285, 19330), (302, 19366), (315, 19405), (343, 19474), (353, 19498), (378, 19552), (455, 19702), (476, 19747), (487, 19777), (509, 19813), (524, 19864), (540, 19900), (560,

19948), (590, 20008), (652, 20137), (679, 20215), (753, 20416), (755, 20422), (786, 20518), (845, 20683), (879, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 149

Candidate Starts for Equemioh13_30:

(Start: 128 @20632 has 37 MA's), (Start: 149 @20656 has 636 MA's), (245, 20791), (284, 20890), (285, 20893), (314, 20965), (315, 20968), (336, 21022), (339, 21028), (366, 21091), (389, 21139), (401, 21172), (428, 21226), (472, 21307), (476, 21310), (487, 21340), (553, 21496), (594, 21583), (653, 21703), (691, 21826), (692, 21829), (697, 21835), (718, 21883), (747, 21946), (753, 21961), (755, 21967), (774, 22021), (785, 22060), (788, 22075), (797, 22108), (811, 22153), (859, 22264), (861, 22270), (876, 22324),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 129

Candidate Starts for Eradicator_16:

(Start: 129 @14770 has 222 MA's), (199, 14857), (Start: 233 @14902 has 2 MA's), (242, 14926), (265, 14983), (283, 15031), (286, 15037), (292, 15055), (305, 15085), (350, 15190), (376, 15244), (379, 15250), (383, 15259), (394, 15280), (401, 15304), (413, 15340), (415, 15346), (453, 15379), (455, 15382), (460, 15391), (467, 15406), (469, 15412), (475, 15430), (480, 15445), (482, 15451), (490, 15469), (493, 15472), (504, 15487), (511, 15502), (512, 15508), (526, 15556), (531, 15568), (535, 15574), (574, 15634), (579, 15646), (593, 15682), (597, 15694), (624, 15769), (628, 15778), (638, 15796), (642, 15802), (652, 15832), (718, 15937), (722, 15949), (738, 15985), (766, 16063), (801, 16183), (811, 16216), (826, 16246), (829, 16258), (835, 16276), (839, 16282), (841, 16285), (844, 16291), (859, 16306), (860, 16309), (864, 16330), (865, 16333), (881, 16375), (886, 16405), (899, 16447), (900, 16453),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for EricB_31:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 172

Candidate Starts for Erik_23:

(Start: 172 @16348 has 32 MA's), (223, 16417), (241, 16453), (273, 16525), (315, 16639), (368, 16768), (389, 16810), (397, 16828), (399, 16837), (Start: 407 @16861 has 1 MA's), (416, 16879), (436, 16903), (441, 16909), (451, 16924), (453, 16927), (476, 16975), (587, 17176), (594, 17200), (652, 17314), (679, 17392), (689, 17431), (692, 17443), (718, 17473), (753, 17551), (809, 17698), (853, 17797), (859, 17812), (906, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Eris_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Eros_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Espica_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 151

Candidate Starts for Espresso_27:

(Start: 151 @21202 has 225 MA's), (Start: 167 @21223 has 5 MA's), (Start: 195 @21265 has 1 MA's), (228, 21310), (315, 21526), (333, 21571), (336, 21580), (353, 21619), (377, 21670), (378, 21673), (476, 21868), (510, 21937), (593, 22138), (594, 22141), (601, 22162), (652, 22258), (653, 22261), (655, 22267), (679, 22336), (684, 22354), (686, 22363), (697, 22393), (731, 22489), (747, 22522), (753, 22537), (795, 22678), (813, 22735), (861, 22846),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 129

Candidate Starts for Estave1_16:

(Start: 129 @14924 has 222 MA's), (199, 15011), (Start: 233 @15056 has 2 MA's), (242, 15080), (265, 15137), (283, 15185), (286, 15191), (292, 15209), (297, 15218), (305, 15239), (350, 15344), (376, 15398), (379, 15404), (383, 15413), (394, 15434), (401, 15458), (413, 15494), (415, 15500), (427, 15512), (453, 15533), (469, 15566), (475, 15584), (480, 15599), (482, 15605), (493, 15626), (504, 15641), (511, 15656), (512, 15662), (515, 15671), (526, 15710), (531, 15722), (535, 15728), (574, 15788), (593, 15836), (597, 15848), (604, 15869), (624, 15923), (628, 15932), (642, 15956), (718, 16091), (722, 16103), (738, 16139), (766, 16217), (794, 16316), (801, 16337), (811, 16370), (826, 16400), (835, 16430), (841, 16439), (844, 16445), (859, 16460), (860, 16463), (864, 16484), (865, 16487), (881, 16529), (899, 16601),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 149

Candidate Starts for Et2Brutus_27:

(98, 20692), (Start: 128 @20734 has 37 MA's), (Start: 149 @20758 has 636 MA's), (188, 20800), (Start: 246 @20896 has 1 MA's), (255, 20911), (284, 20992), (285, 20995), (315, 21070), (319, 21085), (336, 21124), (339, 21130), (361, 21181), (389, 21241), (393, 21247), (428, 21328), (476, 21412), (526, 21538), (533, 21556), (550, 21583), (609, 21724), (648, 21790), (652, 21802), (653, 21805), (712, 21994), (721, 22021), (726, 22030), (736, 22051), (738, 22054), (747, 22075), (753, 22090), (761, 22114), (785, 22189), (788, 22204), (813, 22288), (859, 22393), (861, 22399), (876, 22453), (907, 22552),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Etoile_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465),

(650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: EtoileNova_28 Start: 20459, Stop: 22258, Start Num: 149

Candidate Starts for EtoileNova_28:

(Start: 149 @20459 has 636 MA's), (Start: 195 @20519 has 1 MA's), (238, 20588), (280, 20690), (284, 20702), (285, 20705), (315, 20780), (319, 20795), (336, 20834), (397, 20969), (428, 21038), (487, 21152), (542, 21278), (593, 21392), (601, 21416), (606, 21428), (609, 21434), (653, 21515), (679, 21590), (684, 21608), (686, 21617), (692, 21641), (697, 21647), (700, 21662), (712, 21695), (730, 21740), (731, 21743), (744, 21764), (786, 21893), (813, 21989), (859, 22094), (861, 22100), (899, 22235),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Eudoria_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 151

Candidate Starts for Euphoria_27:

(Start: 151 @21090 has 225 MA's), (Start: 167 @21111 has 5 MA's), (Start: 195 @21153 has 1 MA's), (228, 21198), (315, 21414), (333, 21459), (336, 21468), (377, 21558), (378, 21561), (476, 21756), (510, 21825), (593, 22026), (594, 22029), (601, 22050), (652, 22146), (653, 22149), (655, 22155), (679, 22224), (684, 22242), (686, 22251), (697, 22281), (731, 22377), (747, 22410), (753, 22425), (795, 22566), (813, 22623), (861, 22734), (907, 22887),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 134

Candidate Starts for Eureka_24:

(Start: 134 @19731 has 130 MA's), (Start: 196 @19815 has 48 MA's), (Start: 246 @19893 has 1 MA's), (280, 19980), (286, 19995), (305, 20043), (320, 20082), (361, 20169), (377, 20202), (394, 20238), (402, 20268), (405, 20274), (458, 20343), (477, 20373), (481, 20385), (482, 20388), (512, 20445), (575, 20577), (578, 20583), (602, 20649), (604, 20655), (612, 20679), (628, 20727), (642, 20751), (647, 20760), (672, 20835), (721, 20886), (726, 20901), (786, 21063), (792, 21090), (801, 21120), (843, 21225), (879, 21303), (886, 21339), (889, 21348), (899, 21381), (906, 21396),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Eurydice_27:

(70, 19674), (87, 19719), (Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 102

Candidate Starts for Evamon_31:

(85, 25819), (Start: 102 @25861 has 86 MA's), (Start: 126 @25897 has 1 MA's), (Start: 153 @25930 has 10 MA's), (253, 26086), (274, 26140), (275, 26143), (284, 26173), (307, 26239), (315, 26263), (317, 26272), (332, 26305), (399, 26458), (416, 26497), (453, 26548), (460, 26560), (467, 26578), (471, 26590), (475, 26602), (480, 26617), (496, 26647), (499, 26650), (509, 26671), (554, 26743),

(579, 26791), (620, 26902), (649, 26935), (660, 26974), (663, 26977), (686, 27049), (715, 27115), (719, 27127), (795, 27298), (796, 27301), (811, 27349), (824, 27376), (833, 27403), (859, 27457), (890, 27574), (896, 27595), (907, 27622),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Evanesce_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for Eviarto_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 149

Candidate Starts for EvilGenius_30:

(Start: 128 @20585 has 37 MA's), (Start: 149 @20609 has 636 MA's), (231, 20708), (265, 20792), (284, 20843), (285, 20846), (314, 20918), (315, 20921), (336, 20975), (353, 21014), (389, 21092), (428, 21179), (472, 21260), (476, 21263), (553, 21449), (594, 21536), (648, 21641), (653, 21656), (692, 21782), (697, 21788), (718, 21836), (721, 21845), (731, 21866), (747, 21899), (753, 21914), (755, 21920), (774, 21974), (785, 22013), (788, 22028), (813, 22112), (861, 22223),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 181

Candidate Starts for Ewald_22:

(69, 18257), (Start: 91 @18317 has 1 MA's), (148, 18410), (Start: 174 @18446 has 9 MA's), (Start: 181 @18458 has 3 MA's), (190, 18470), (251, 18572), (253, 18578), (272, 18626), (281, 18656), (308, 18722), (310, 18728), (359, 18839), (363, 18848), (375, 18875), (380, 18884), (390, 18905), (480, 19076), (481, 19079), (514, 19145), (518, 19160), (539, 19211), (555, 19244), (567, 19253), (587, 19295), (593, 19316), (610, 19364), (613, 19376), (620, 19403), (650, 19472), (676, 19541), (718, 19574), (744, 19631), (749, 19646), (762, 19682), (783, 19751), (808, 19838), (813, 19853), (837, 19910), (843, 19919), (864, 19958), (877, 19997), (880, 20003),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 149

Candidate Starts for Expelliarmus_23:

(Start: 128 @18596 has 37 MA's), (Start: 149 @18620 has 636 MA's), (226, 18713), (Start: 246 @18758 has 1 MA's), (285, 18857), (302, 18893), (315, 18932), (319, 18947), (335, 18983), (389, 19103), (393, 19109), (455, 19229), (514, 19358), (542, 19430), (593, 19544), (684, 19760), (692, 19793), (731, 19895), (747, 19928), (753, 19943), (763, 19973), (858, 20243), (861, 20252), (862, 20261), (895, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for ExplosioNervosa_30:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352),

(472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 151

Candidate Starts for Eyeball_27:

(Start: 151 @20895 has 225 MA's), (Start: 167 @20916 has 5 MA's), (Start: 195 @20958 has 1 MA's), (228, 21003), (315, 21219), (333, 21264), (336, 21273), (353, 21312), (377, 21363), (378, 21366), (476, 21561), (510, 21630), (593, 21831), (594, 21834), (601, 21855), (652, 21951), (653, 21954), (655, 21960), (679, 22029), (684, 22047), (686, 22056), (697, 22086), (731, 22182), (747, 22215), (753, 22230), (795, 22371), (813, 22428), (861, 22539),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 144

Candidate Starts for Eyes_19:

(34, 16176), (47, 16299), (50, 16320), (78, 16515), (119, 16599), (Start: 126 @16611 has 1 MA's), (Start: 144 @16632 has 6 MA's), (280, 16869), (290, 16902), (319, 16986), (405, 17187), (427, 17229), (453, 17265), (467, 17295), (475, 17319), (494, 17361), (509, 17388), (547, 17445), (550, 17451), (589, 17538), (707, 17832), (738, 17898), (748, 17922), (755, 17940), (795, 18036), (801, 18054), (862, 18210), (863, 18213), (866, 18225), (887, 18300), (895, 18327),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 179

Candidate Starts for Eyre_17:

(Start: 179 @15369 has 33 MA's), (248, 15486), (295, 15636), (338, 15732), (347, 15759), (389, 15852), (395, 15864), (471, 16038), (519, 16155), (526, 16179), (626, 16344), (654, 16401), (666, 16440), (685, 16497), (686, 16500), (749, 16593), (761, 16626), (847, 16881), (849, 16884), (864, 16932), (873, 16962), (889, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 83

Candidate Starts for FF47_21:

(83, 15896), (Start: 92 @15932 has 4 MA's), (Start: 121 @15983 has 18 MA's), (143, 16010), (186, 16070), (Start: 233 @16136 has 2 MA's), (254, 16187), (263, 16205), (381, 16511), (402, 16568), (420, 16616), (421, 16619), (444, 16682), (459, 16703), (482, 16766), (486, 16775), (496, 16790), (578, 16925), (593, 16964), (600, 16985), (613, 17024), (635, 17066), (644, 17081), (647, 17087), (777, 17396), (779, 17405), (781, 17411), (785, 17423), (792, 17453), (799, 17477), (847, 17597), (873, 17654), (897, 17741), (900, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 215

Candidate Starts for Fairfaxidum_19:

(35, 16287), (38, 16317), (39, 16323), (53, 16455), (59, 16512), (60, 16521), (114, 16680), (187, 16782), (Start: 215 @16818 has 57 MA's), (266, 16923), (296, 17001), (320, 17061), (326, 17073), (328, 17076), (340, 17100), (410, 17274), (415, 17289), (472, 17373), (476, 17385), (479, 17394), (480, 17397), (488, 17418), (512, 17460), (521, 17490), (604, 17673), (612, 17697), (625, 17748), (659, 17841), (664, 17853), (680, 17895), (713, 17913), (763, 18048), (792, 18147), (797, 18165), (813, 18216), (838, 18276), (842, 18282), (876, 18357),

Gene: FairyPath_24 Start: 19943, Stop: 21622, Start Num: 134

Candidate Starts for FairyPath_24:

(Start: 134 @19943 has 130 MA's), (Start: 196 @20027 has 48 MA's), (Start: 246 @20105 has 1 MA's), (280, 20192), (286, 20207), (305, 20255), (320, 20294), (361, 20381), (377, 20414), (394, 20450), (402, 20480), (405, 20486), (458, 20555), (477, 20585), (481, 20597), (482, 20600), (512, 20657), (575, 20789), (578, 20795), (602, 20861), (604, 20867), (612, 20891), (628, 20939), (642, 20963), (647, 20972), (672, 21047), (721, 21098), (726, 21113), (786, 21275), (792, 21302), (801,

21332), (843, 21437), (879, 21515), (886, 21551), (889, 21560), (899, 21593), (906, 21608),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 179

Candidate Starts for Faith5x5_17:

(Start: 91 @14519 has 1 MA's), (Start: 179 @14654 has 33 MA's), (209, 14696), (248, 14771), (271, 14843), (272, 14846), (283, 14882), (295, 14921), (319, 14975), (347, 15044), (356, 15056), (388, 15134), (389, 15137), (471, 15323), (509, 15404), (526, 15464), (528, 15470), (568, 15512), (602, 15593), (626, 15629), (637, 15647), (645, 15662), (654, 15686), (681, 15761), (685, 15782), (686, 15785), (792, 16016), (796, 16031), (847, 16166), (849, 16169), (864, 16217), (873, 16247), (884, 16283),

Gene: Faiyaz_24 Start: 19608, Stop: 21443, Start Num: 84

Candidate Starts for Faiyaz_24:

(Start: 84 @19608 has 5 MA's), (104, 19656), (Start: 111 @19665 has 26 MA's), (Start: 144 @19704 has 6 MA's), (Start: 171 @19734 has 8 MA's), (180, 19746), (205, 19782), (228, 19812), (Start: 233 @19821 has 2 MA's), (238, 19836), (262, 19887), (263, 19890), (299, 19989), (348, 20130), (373, 20181), (377, 20187), (395, 20226), (412, 20280), (459, 20349), (475, 20391), (489, 20427), (496, 20436), (530, 20514), (536, 20523), (559, 20553), (573, 20586), (574, 20589), (597, 20649), (605, 20673), (609, 20682), (643, 20751), (678, 20856), (679, 20859), (686, 20886), (779, 21069), (876, 21324), (900, 21414), (901, 21417), (903, 21420),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 151

Candidate Starts for Fajezeel_29:

(Start: 151 @21405 has 225 MA's), (Start: 167 @21426 has 5 MA's), (Start: 195 @21468 has 1 MA's), (228, 21513), (315, 21729), (333, 21774), (336, 21783), (377, 21873), (378, 21876), (476, 22071), (510, 22140), (593, 22341), (594, 22344), (601, 22365), (652, 22461), (653, 22464), (655, 22470), (679, 22539), (684, 22557), (686, 22566), (697, 22596), (731, 22692), (747, 22725), (753, 22740), (795, 22881), (813, 22938), (861, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 149

Candidate Starts for Fameo_28:

(98, 20170), (Start: 128 @20212 has 37 MA's), (Start: 149 @20236 has 636 MA's), (284, 20470), (285, 20473), (314, 20545), (315, 20548), (336, 20602), (353, 20641), (373, 20686), (389, 20719), (428, 20806), (472, 20887), (476, 20890), (594, 21163), (653, 21283), (692, 21409), (718, 21463), (721, 21472), (731, 21493), (747, 21526), (753, 21541), (755, 21547), (774, 21601), (785, 21640), (788, 21655), (813, 21739), (861, 21850),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 113

Candidate Starts for Familton_57:

(Start: 106 @33472 has 2 MA's), (Start: 113 @33481 has 28 MA's), (Start: 179 @33571 has 33 MA's), (253, 33688), (265, 33724), (275, 33745), (283, 33772), (286, 33778), (299, 33808), (308, 33832), (330, 33883), (394, 34021), (396, 34027), (412, 34078), (413, 34081), (427, 34099), (475, 34150), (482, 34171), (483, 34174), (511, 34222), (512, 34228), (526, 34276), (528, 34282), (531, 34288), (563, 34348), (574, 34372), (575, 34375), (593, 34420), (598, 34435), (601, 34444), (604, 34453), (618, 34498), (628, 34516), (647, 34549), (722, 34687), (730, 34708), (758, 34774), (768, 34804), (784, 34858), (794, 34900), (801, 34921), (807, 34942), (811, 34954), (821, 34975), (844, 35029), (879, 35107), (886, 35143), (892, 35164), (900, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 129

Candidate Starts for Fancypants_16:

(Start: 129 @14817 has 222 MA's), (199, 14904), (Start: 215 @14925 has 57 MA's), (Start: 233 @14949 has 2 MA's), (242, 14973), (253, 14994), (283, 15078), (286, 15084), (292, 15102), (305, 15132), (350, 15237), (376, 15291), (379, 15297), (388, 15315), (389, 15318), (394, 15327), (401,

15351), (453, 15426), (460, 15438), (467, 15453), (469, 15459), (475, 15477), (480, 15492), (482, 15498), (493, 15519), (504, 15534), (511, 15549), (512, 15555), (526, 15603), (531, 15615), (535, 15621), (574, 15681), (579, 15693), (593, 15729), (597, 15741), (624, 15816), (628, 15825), (638, 15843), (642, 15849), (652, 15879), (718, 15984), (721, 15993), (722, 15996), (738, 16032), (766, 16110), (794, 16209), (801, 16230), (811, 16263), (826, 16293), (835, 16323), (841, 16332), (844, 16338), (859, 16353), (860, 16356), (865, 16380), (876, 16410), (881, 16422), (886, 16452), (899, 16494),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 149

Candidate Starts for Farber_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (231, 20477), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (487, 21062), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 151

Candidate Starts for Fascinus_26:

(Start: 151 @20958 has 225 MA's), (Start: 167 @20979 has 5 MA's), (Start: 195 @21021 has 1 MA's), (228, 21066), (315, 21282), (333, 21327), (336, 21336), (353, 21375), (377, 21426), (378, 21429), (476, 21624), (510, 21693), (593, 21894), (594, 21897), (601, 21918), (652, 22014), (653, 22017), (655, 22023), (679, 22092), (684, 22110), (686, 22119), (697, 22149), (731, 22245), (747, 22278), (753, 22293), (795, 22434), (813, 22491), (861, 22602),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 129

Candidate Starts for Fastidio_16:

(Start: 129 @14771 has 222 MA's), (199, 14858), (Start: 233 @14903 has 2 MA's), (242, 14927), (283, 15032), (286, 15038), (292, 15056), (305, 15086), (350, 15191), (376, 15245), (379, 15251), (389, 15272), (394, 15281), (401, 15305), (415, 15347), (475, 15431), (480, 15446), (482, 15452), (504, 15488), (506, 15491), (511, 15503), (512, 15509), (526, 15557), (531, 15569), (535, 15575), (574, 15635), (579, 15647), (593, 15683), (597, 15695), (624, 15770), (628, 15779), (638, 15797), (642, 15803), (652, 15833), (718, 15938), (721, 15947), (722, 15950), (738, 15986), (766, 16064), (794, 16163), (801, 16184), (811, 16217), (826, 16247), (835, 16277), (841, 16286), (844, 16292), (859, 16307), (860, 16310), (865, 16334), (876, 16364), (881, 16376), (886, 16406), (899, 16448),

Gene: FatCactus_26 Start: 18608, Stop: 20407, Start Num: 149

Candidate Starts for FatCactus_26:

(98, 18542), (Start: 128 @18584 has 37 MA's), (Start: 149 @18608 has 636 MA's), (183, 18644), (284, 18842), (285, 18845), (314, 18917), (315, 18920), (336, 18974), (339, 18980), (361, 19031), (389, 19091), (397, 19109), (428, 19178), (470, 19253), (472, 19259), (476, 19262), (542, 19418), (553, 19448), (596, 19541), (609, 19574), (652, 19652), (653, 19655), (692, 19781), (705, 19823), (711, 19841), (730, 19889), (731, 19892), (753, 19940), (785, 20039), (788, 20054), (792, 20069), (813, 20138), (859, 20243), (861, 20249), (876, 20303), (899, 20384),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Fayely_30:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 149

Candidate Starts for Feastonyeet_17:

(Start: 139 @15458 has 9 MA's), (Start: 149 @15461 has 636 MA's), (226, 15560), (Start: 246 @15602 has 1 MA's), (275, 15671), (335, 15842), (373, 15929), (384, 15950), (388, 15959), (398, 15986), (416, 16031), (441, 16064), (451, 16079), (463, 16103), (475, 16136), (487, 16169), (496, 16181), (518, 16238), (553, 16286), (569, 16316), (584, 16346), (606, 16409), (634, 16460), (653, 16496), (657, 16511), (664, 16529), (684, 16586), (686, 16595), (748, 16715), (753, 16727), (781, 16775), (794, 16826), (795, 16829), (801, 16847), (830, 16925), (835, 16940), (842, 16952), (861, 16994), (901, 17141), (906, 17147),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 116

Candidate Starts for Fefferhead_22:

(Start: 95 @17464 has 1 MA's), (Start: 111 @17494 has 26 MA's), (Start: 116 @17500 has 42 MA's), (Start: 118 @17503 has 152 MA's), (Start: 137 @17515 has 56 MA's), (143, 17521), (Start: 233 @17647 has 2 MA's), (238, 17662), (262, 17713), (273, 17743), (283, 17776), (317, 17878), (335, 17920), (365, 17992), (369, 18001), (427, 18145), (428, 18148), (445, 18163), (455, 18175), (459, 18181), (467, 18199), (475, 18223), (477, 18229), (487, 18256), (582, 18412), (628, 18529), (647, 18562), (649, 18574), (653, 18586), (669, 18634), (761, 18826), (773, 18859), (792, 18931), (795, 18943), (811, 18994), (813, 19000), (862, 19093), (879, 19144), (889, 19189), (900, 19228), (901, 19231), (910, 19249),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 151

Candidate Starts for Fenn_28:

(Start: 151 @22770 has 225 MA's), (Start: 167 @22791 has 5 MA's), (Start: 195 @22833 has 1 MA's), (228, 22878), (315, 23094), (333, 23139), (336, 23148), (353, 23187), (377, 23238), (378, 23241), (476, 23436), (510, 23505), (527, 23565), (593, 23706), (594, 23709), (601, 23730), (652, 23826), (653, 23829), (655, 23835), (679, 23904), (684, 23922), (686, 23931), (697, 23961), (731, 24057), (747, 24090), (753, 24105), (795, 24246), (813, 24303), (861, 24414),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 215

Candidate Starts for Fenry_18:

(187, 16333), (Start: 215 @16369 has 57 MA's), (266, 16471), (298, 16552), (340, 16648), (357, 16687), (374, 16732), (382, 16747), (392, 16768), (410, 16822), (415, 16837), (512, 17008), (521, 17038), (573, 17137), (604, 17221), (612, 17245), (625, 17296), (659, 17389), (664, 17401), (682, 17446), (713, 17461), (762, 17593), (763, 17596), (792, 17695), (797, 17713), (813, 17764), (838, 17824), (842, 17830), (871, 17893), (876, 17905),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for Fernando_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 121

Candidate Starts for Feyre_21:

(Start: 121 @17413 has 18 MA's), (124, 17419), (Start: 145 @17443 has 2 MA's), (Start: 171 @17476 has 8 MA's), (205, 17524), (238, 17578), (262, 17629), (283, 17692), (319, 17800), (365, 17908), (412, 18022), (413, 18025), (428, 18064), (445, 18079), (455, 18091), (459, 18097), (475, 18139), (477, 18145), (496, 18184), (509, 18208), (574, 18310), (598, 18373), (613, 18418), (669, 18553), (718,

18652), (753, 18730), (761, 18754), (763, 18760), (768, 18775), (795, 18871), (797, 18877), (864, 19030), (894, 19135), (895, 19138), (900, 19156),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Fibonacci_28:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 134

Candidate Starts for Filch_25:

(Start: 134 @19504 has 130 MA's), (Start: 196 @19588 has 48 MA's), (Start: 246 @19666 has 1 MA's), (280, 19753), (286, 19768), (305, 19816), (320, 19855), (361, 19942), (377, 19975), (394, 20011), (402, 20041), (405, 20047), (458, 20116), (477, 20146), (481, 20158), (482, 20161), (512, 20218), (575, 20350), (578, 20356), (602, 20422), (604, 20428), (612, 20452), (628, 20500), (642, 20524), (647, 20533), (672, 20608), (721, 20659), (726, 20674), (786, 20836), (792, 20863), (801, 20893), (843, 20998), (879, 21076), (886, 21112), (889, 21121), (899, 21154), (906, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 129

Candidate Starts for Filuzino_16:

(Start: 129 @14799 has 222 MA's), (199, 14886), (Start: 233 @14931 has 2 MA's), (242, 14955), (283, 15060), (286, 15066), (292, 15084), (305, 15114), (350, 15219), (379, 15279), (383, 15288), (388, 15297), (389, 15300), (394, 15309), (401, 15333), (453, 15408), (475, 15459), (480, 15474), (482, 15480), (504, 15516), (506, 15519), (511, 15531), (512, 15537), (526, 15585), (531, 15597), (535, 15603), (574, 15663), (579, 15675), (593, 15711), (597, 15723), (624, 15798), (628, 15807), (638, 15825), (642, 15831), (652, 15861), (718, 15966), (721, 15975), (722, 15978), (738, 16014), (766, 16092), (794, 16191), (801, 16212), (811, 16245), (826, 16275), (835, 16305), (841, 16314), (844, 16320), (859, 16335), (860, 16338), (865, 16362), (876, 16392), (881, 16404), (886, 16434), (899, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 116

Candidate Starts for Findley_19:

(Start: 95 @14980 has 1 MA's), (Start: 111 @15010 has 26 MA's), (Start: 116 @15016 has 42 MA's), (Start: 137 @15031 has 56 MA's), (Start: 171 @15073 has 8 MA's), (205, 15121), (Start: 233 @15160 has 2 MA's), (238, 15175), (262, 15226), (273, 15256), (283, 15289), (288, 15301), (294, 15319), (317, 15391), (319, 15397), (361, 15493), (365, 15505), (408, 15607), (413, 15622), (427, 15658), (459, 15694), (477, 15742), (496, 15781), (509, 15805), (512, 15817), (574, 15907), (578, 15916), (652, 16111), (669, 16162), (686, 16216), (721, 16270), (773, 16384), (776, 16393), (795, 16468), (811, 16519), (813, 16525), (862, 16621), (880, 16675), (900, 16756), (910, 16777),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 191

Candidate Starts for Finkle_19:

(72, 16073), (86, 16106), (173, 16241), (Start: 191 @16256 has 1 MA's), (Start: 195 @16262 has 1 MA's), (235, 16325), (280, 16439), (283, 16448), (284, 16451), (287, 16454), (292, 16475), (315, 16520), (316, 16523), (338, 16577), (388, 16688), (405, 16736), (445, 16823), (503, 16844), (505, 16847), (512, 16865), (568, 16967), (592, 17021), (607, 17066), (653, 17147), (715, 17261), (717, 17267), (737, 17297), (742, 17306), (766, 17372), (809, 17513), (813, 17525), (849, 17600), (862, 17645), (894, 17759), (898, 17774),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 118

Candidate Starts for Fionnbharth_24:

(Start: 95 @18584 has 1 MA's), (Start: 111 @18614 has 26 MA's), (Start: 116 @18620 has 42 MA's), (Start: 118 @18623 has 152 MA's), (Start: 140 @18638 has 3 MA's), (Start: 171 @18680 has 8 MA's), (205, 18728), (Start: 233 @18767 has 2 MA's), (238, 18782), (Start: 246 @18800 has 1 MA's), (262, 18833), (273, 18863), (288, 18908), (294, 18926), (317, 18998), (319, 19004), (333, 19034), (334, 19037), (361, 19100), (365, 19112), (420, 19247), (427, 19265), (455, 19295), (459, 19301), (467, 19319), (477, 19349), (496, 19388), (574, 19514), (598, 19577), (669, 19778), (686, 19832), (718, 19877), (739, 19922), (749, 19946), (761, 19979), (762, 19982), (773, 20012), (792, 20084), (795, 20096), (811, 20147), (813, 20153), (864, 20255), (900, 20381), (910, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 196

Candidate Starts for FireRed_24:

(Start: 134 @19774 has 130 MA's), (Start: 196 @19858 has 48 MA's), (Start: 246 @19936 has 1 MA's), (280, 20023), (286, 20038), (305, 20086), (320, 20125), (361, 20212), (377, 20245), (394, 20281), (402, 20311), (405, 20317), (458, 20386), (477, 20416), (481, 20428), (482, 20431), (512, 20488), (575, 20620), (578, 20626), (602, 20692), (604, 20698), (612, 20722), (628, 20770), (642, 20794), (647, 20803), (672, 20878), (721, 20929), (726, 20944), (786, 21106), (792, 21133), (801, 21163), (843, 21268), (879, 21346), (886, 21382), (889, 21391), (899, 21424), (906, 21439),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 102

Candidate Starts for Fireball_32:

(85, 25942), (Start: 102 @25984 has 86 MA's), (Start: 126 @26020 has 1 MA's), (Start: 153 @26053 has 10 MA's), (274, 26263), (275, 26266), (284, 26296), (307, 26362), (315, 26386), (317, 26395), (332, 26428), (399, 26581), (416, 26620), (453, 26671), (460, 26683), (467, 26701), (471, 26713), (475, 26725), (480, 26740), (496, 26770), (499, 26773), (509, 26794), (554, 26866), (579, 26914), (620, 27025), (649, 27058), (663, 27100), (686, 27172), (715, 27238), (719, 27250), (795, 27421), (796, 27424), (811, 27472), (824, 27499), (833, 27526), (835, 27532), (859, 27580), (890, 27697), (896, 27718),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 113

Candidate Starts for Firecracker_57:

(Start: 106 @33662 has 2 MA's), (Start: 113 @33671 has 28 MA's), (Start: 179 @33761 has 33 MA's), (253, 33878), (265, 33914), (275, 33935), (283, 33962), (286, 33968), (299, 33998), (308, 34022), (330, 34073), (394, 34211), (396, 34217), (412, 34268), (413, 34271), (427, 34289), (475, 34340), (482, 34361), (483, 34364), (511, 34412), (512, 34418), (526, 34466), (528, 34472), (531, 34478), (563, 34538), (574, 34562), (575, 34565), (593, 34610), (598, 34625), (601, 34634), (604, 34643), (618, 34688), (628, 34706), (647, 34739), (722, 34877), (730, 34898), (758, 34964), (768, 34994), (784, 35048), (794, 35090), (801, 35111), (807, 35132), (811, 35144), (821, 35165), (844, 35219), (879, 35297), (886, 35333), (892, 35354), (900, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 129

Candidate Starts for Firehouse51_17:

(Start: 129 @15366 has 222 MA's), (199, 15453), (Start: 233 @15498 has 2 MA's), (242, 15522), (283, 15627), (286, 15633), (292, 15651), (305, 15681), (350, 15786), (379, 15846), (389, 15867), (394, 15876), (401, 15900), (413, 15936), (475, 16026), (480, 16041), (482, 16047), (504, 16083), (506, 16086), (511, 16098), (512, 16104), (526, 16152), (531, 16164), (535, 16170), (574, 16230), (579, 16242), (593, 16278), (597, 16290), (624, 16365), (628, 16374), (638, 16392), (642, 16398), (652, 16428), (718, 16533), (721, 16542), (722, 16545), (738, 16581), (766, 16659), (794, 16758), (801, 16779), (811, 16812), (826, 16842), (835, 16872), (841, 16881), (844, 16887), (859, 16902), (860, 16905), (865, 16929), (876, 16959), (881, 16971), (886, 17001), (899, 17043),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for FiringLine_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (231, 20217), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (692, 21291), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (792, 21552), (813, 21621), (861, 21732), (899, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 149

Candidate Starts for First_0028:

(Start: 128 @20202 has 37 MA's), (Start: 149 @20226 has 636 MA's), (231, 20325), (284, 20460), (285, 20463), (314, 20535), (315, 20538), (336, 20592), (339, 20598), (353, 20631), (389, 20709), (428, 20796), (472, 20877), (476, 20880), (594, 21153), (648, 21258), (653, 21273), (692, 21399), (697, 21405), (718, 21453), (747, 21516), (753, 21531), (755, 21537), (764, 21567), (774, 21591), (785, 21630), (788, 21645), (813, 21729), (850, 21810),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for FirstPlacePfu_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Fishburne_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 102

Candidate Starts for Fitzgerald_33:

(94, 30882), (Start: 102 @30900 has 86 MA's), (Start: 126 @30936 has 1 MA's), (231, 31074), (272, 31170), (275, 31179), (297, 31248), (315, 31299), (333, 31344), (339, 31359), (377, 31440), (397, 31485), (399, 31494), (416, 31533), (453, 31584), (467, 31614), (472, 31629), (480, 31653), (496, 31683), (558, 31788), (609, 31905), (616, 31923), (620, 31938), (648, 31968), (652, 31980), (653, 31983), (660, 32010), (795, 32334), (796, 32337), (811, 32385), (824, 32412), (833, 32439), (859, 32493), (865, 32520), (901, 32649),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 140

Candidate Starts for FlagStaff_18:

(Start: 140 @16851 has 3 MA's), (205, 16923), (273, 17058), (301, 17133), (315, 17184), (319, 17199), (333, 17229), (335, 17235), (358, 17289), (408, 17409), (424, 17454), (459, 17505), (463, 17514), (477, 17553), (496, 17592), (512, 17628), (532, 17673), (574, 17718), (628, 17859), (653, 17916), (669, 17964), (679, 17991), (691, 18039), (735, 18081), (761, 18144), (791, 18246), (811, 18312), (884, 18486), (903, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 170

Candidate Starts for Flapper_45:

(Start: 170 @31189 has 41 MA's), (Start: 179 @31204 has 33 MA's), (Start: 200 @31225 has 1 MA's), (Start: 246 @31303 has 1 MA's), (347, 31570), (363, 31600), (377, 31627), (381, 31636), (388, 31651), (435, 31762), (454, 31792), (456, 31795), (501, 31852), (603, 32077), (626, 32116), (652, 32164), (717, 32290), (731, 32326), (763, 32383), (780, 32437), (801, 32512), (862, 32644), (884, 32719), (886, 32731), (890, 32743), (892, 32752), (905, 32788),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 149

Candidate Starts for Flare16_28:

(Start: 128 @20190 has 37 MA's), (Start: 149 @20214 has 636 MA's), (245, 20349), (284, 20448), (285, 20451), (314, 20523), (315, 20526), (336, 20580), (339, 20586), (366, 20649), (389, 20697), (401, 20730), (428, 20784), (472, 20865), (476, 20868), (487, 20898), (553, 21054), (594, 21141), (653, 21261), (691, 21384), (692, 21387), (697, 21393), (718, 21441), (747, 21504), (753, 21519), (755, 21525), (774, 21579), (785, 21618), (788, 21633), (797, 21666), (859, 21822), (861, 21828), (876, 21882),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 129

Candidate Starts for Flathead_17:

(Start: 129 @14674 has 222 MA's), (199, 14761), (Start: 233 @14806 has 2 MA's), (242, 14830), (283, 14935), (286, 14941), (292, 14959), (305, 14989), (350, 15094), (379, 15154), (389, 15175), (394, 15184), (401, 15208), (475, 15334), (480, 15349), (482, 15355), (504, 15391), (506, 15394), (511, 15406), (512, 15412), (526, 15460), (531, 15472), (535, 15478), (574, 15538), (579, 15550), (593, 15586), (597, 15598), (624, 15673), (628, 15682), (638, 15700), (642, 15706), (652, 15736), (718, 15841), (721, 15850), (722, 15853), (738, 15889), (766, 15967), (794, 16066), (801, 16087), (811, 16120), (826, 16150), (835, 16180), (841, 16189), (844, 16195), (859, 16210), (860, 16213), (865, 16237), (876, 16267), (881, 16279), (886, 16309), (899, 16351),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 102

Candidate Starts for Flatwoods_35:

(Start: 102 @29836 has 86 MA's), (Start: 126 @29872 has 1 MA's), (223, 30001), (231, 30010), (272, 30106), (275, 30115), (297, 30184), (315, 30235), (317, 30244), (333, 30280), (339, 30295), (345, 30313), (377, 30376), (397, 30421), (399, 30430), (463, 30541), (467, 30550), (472, 30565), (475, 30574), (480, 30589), (496, 30619), (609, 30841), (616, 30859), (620, 30874), (652, 30916), (653, 30919), (660, 30946), (703, 31066), (795, 31270), (796, 31273), (811, 31321), (824, 31348), (833, 31375), (859, 31429), (865, 31456),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 149

Candidate Starts for Flaverint_28:

(98, 20683), (Start: 128 @20725 has 37 MA's), (Start: 149 @20749 has 636 MA's), (188, 20791), (Start: 246 @20887 has 1 MA's), (255, 20902), (284, 20983), (285, 20986), (315, 21061), (319, 21076), (336, 21115), (339, 21121), (389, 21232), (393, 21238), (428, 21319), (476, 21403), (526, 21529), (533, 21547), (550, 21574), (609, 21715), (648, 21781), (652, 21793), (653, 21796), (712, 21985), (721, 22012), (726, 22021), (736, 22042), (738, 22045), (747, 22066), (753, 22081), (761, 22105), (785, 22180), (788, 22195), (813, 22279), (859, 22384), (861, 22390), (876, 22444), (907, 22543),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 170

Candidate Starts for Float294_43:

(Start: 170 @30912 has 41 MA's), (Start: 246 @31029 has 1 MA's), (273, 31107), (338, 31269), (343, 31281), (347, 31296), (381, 31362), (388, 31377), (435, 31488), (454, 31518), (456, 31521), (501, 31578), (525, 31650), (576, 31734), (587, 31755), (626, 31842), (652, 31890), (717, 32016), (718, 32019), (731, 32052), (763, 32109), (801, 32238), (813, 32277), (865, 32382), (884, 32445), (886, 32457), (890, 32469), (892, 32478), (905, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 117

Candidate Starts for Floral_20:

(Start: 100 @17542 has 1 MA's), (Start: 117 @17566 has 26 MA's), (197, 17671), (230, 17713), (265, 17788), (313, 17902), (373, 18049), (377, 18055), (397, 18100), (470, 18238), (508, 18313), (652, 18595), (658, 18616), (684, 18691), (719, 18778), (740, 18814), (753, 18847), (755, 18853), (787, 18919), (795, 18949), (859, 19105), (861, 19111), (864, 19129), (896, 19240),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Florean_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Florence1_24 Start: 19446, Stop: 21245, Start Num: 149

Candidate Starts for Florence1_24:

(Start: 149 @19446 has 636 MA's), (Start: 233 @19551 has 2 MA's), (Start: 246 @19584 has 1 MA's), (285, 19683), (315, 19758), (319, 19773), (335, 19809), (366, 19881), (373, 19896), (389, 19929), (393, 19935), (506, 20160), (509, 20166), (542, 20256), (590, 20361), (593, 20370), (609, 20412), (615, 20430), (652, 20490), (653, 20493), (679, 20568), (684, 20586), (686, 20595), (730, 20727), (747, 20763), (813, 20976), (858, 21078), (861, 21087), (892, 21201), (899, 21222), (901, 21231),

Gene: Florence4_25 Start: 19446, Stop: 21245, Start Num: 149

Candidate Starts for Florence4_25:

(Start: 149 @19446 has 636 MA's), (Start: 233 @19551 has 2 MA's), (Start: 246 @19584 has 1 MA's), (285, 19683), (315, 19758), (319, 19773), (335, 19809), (366, 19881), (373, 19896), (389, 19929), (393, 19935), (506, 20160), (509, 20166), (542, 20256), (590, 20361), (593, 20370), (609, 20412), (615, 20430), (652, 20490), (653, 20493), (679, 20568), (684, 20586), (686, 20595), (730, 20727), (747, 20763), (813, 20976), (858, 21078), (861, 21087), (892, 21201), (899, 21222), (901, 21231),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 129

Candidate Starts for Florinda_16:

(Start: 129 @14828 has 222 MA's), (199, 14915), (Start: 233 @14960 has 2 MA's), (242, 14984), (283, 15089), (286, 15095), (292, 15113), (305, 15143), (350, 15248), (379, 15308), (389, 15329), (394, 15338), (401, 15362), (475, 15488), (480, 15503), (482, 15509), (490, 15527), (493, 15530), (504, 15545), (506, 15548), (511, 15560), (512, 15566), (515, 15575), (526, 15614), (531, 15626), (535, 15632), (574, 15692), (593, 15740), (597, 15752), (624, 15827), (628, 15836), (638, 15854), (642, 15860), (652, 15890), (718, 15995), (722, 16007), (738, 16043), (766, 16121), (794, 16220), (801, 16241), (811, 16274), (826, 16304), (835, 16334), (841, 16343), (844, 16349), (859, 16364), (860, 16367), (864, 16388), (865, 16391), (881, 16433), (886, 16463), (899, 16505),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Flux_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: FlyCatcher_31 Start: 22924, Stop: 24726, Start Num: 149

Candidate Starts for FlyCatcher_31:

(Start: 138 @22912 has 1 MA's), (Start: 149 @22924 has 636 MA's), (Start: 195 @22972 has 1 MA's), (207, 22990), (284, 23155), (285, 23158), (315, 23233), (319, 23248), (336, 23287), (393, 23410), (395, 23416), (405, 23449), (428, 23491), (506, 23635), (554, 23761), (593, 23842), (609, 23884), (633, 23932), (652, 23980), (653, 23983), (679, 24058), (684, 24076), (686, 24085), (692, 24109), (697, 24115), (730, 24208), (731, 24211), (747, 24244), (753, 24259), (795, 24400), (850, 24538), (859, 24562), (861, 24568), (890, 24673),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 196

Candidate Starts for Flypotenuse_22:

(Start: 134 @19362 has 130 MA's), (Start: 196 @19446 has 48 MA's), (Start: 246 @19524 has 1 MA's), (280, 19611), (286, 19626), (305, 19674), (320, 19713), (361, 19800), (377, 19833), (394, 19869), (402, 19899), (405, 19905), (458, 19974), (477, 20004), (481, 20016), (482, 20019), (512, 20076), (575, 20208), (578, 20214), (602, 20280), (604, 20286), (612, 20310), (628, 20358), (642, 20382), (647, 20391), (672, 20466), (721, 20517), (726, 20532), (786, 20694), (792, 20721), (801, 20751), (843, 20856), (879, 20934), (886, 20970), (889, 20979), (899, 21012), (906, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 196

Candidate Starts for FoghornLeghorn_23:

(Start: 134 @19250 has 130 MA's), (Start: 196 @19334 has 48 MA's), (Start: 246 @19412 has 1 MA's), (280, 19499), (286, 19514), (305, 19562), (320, 19601), (361, 19688), (377, 19721), (394, 19757), (402, 19787), (405, 19793), (458, 19862), (477, 19892), (481, 19904), (482, 19907), (512, 19964), (575, 20096), (578, 20102), (602, 20168), (604, 20174), (612, 20198), (628, 20246), (642, 20270), (647, 20279), (672, 20354), (721, 20405), (726, 20420), (786, 20582), (792, 20609), (801, 20639), (843, 20744), (879, 20822), (886, 20858), (889, 20867), (899, 20900), (906, 20915),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 149

Candidate Starts for ForGetIt_24:

(Start: 149 @19589 has 636 MA's), (Start: 246 @19727 has 1 MA's), (285, 19826), (315, 19901), (335, 19952), (366, 20024), (373, 20039), (389, 20072), (393, 20078), (436, 20171), (487, 20273), (506, 20303), (509, 20309), (542, 20399), (553, 20429), (589, 20501), (593, 20513), (594, 20516), (609, 20555), (615, 20573), (652, 20633), (653, 20636), (670, 20687), (684, 20729), (730, 20870), (749, 20912), (861, 21230), (899, 21365),

Gene: ForesterFrank_29 Start: 21661, Stop: 23457, Start Num: 128

Candidate Starts for ForesterFrank_29:

(Start: 128 @21661 has 37 MA's), (Start: 149 @21685 has 636 MA's), (265, 21868), (284, 21919), (285, 21922), (314, 21994), (315, 21997), (336, 22051), (339, 22057), (353, 22090), (389, 22168), (393, 22174), (397, 22186), (428, 22255), (472, 22336), (476, 22339), (487, 22369), (553, 22525), (594, 22612), (609, 22651), (653, 22732), (692, 22858), (697, 22864), (744, 22963), (747, 22975), (753, 22990), (755, 22996), (774, 23050), (788, 23104), (797, 23137), (813, 23188), (859, 23293), (861, 23299),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Forge_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824,

18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 151

Candidate Starts for Forsytheast_26:

(Start: 151 @21094 has 225 MA's), (Start: 167 @21115 has 5 MA's), (Start: 195 @21157 has 1 MA's), (228, 21202), (315, 21418), (333, 21463), (336, 21472), (353, 21511), (377, 21562), (378, 21565), (476, 21760), (510, 21829), (593, 22030), (594, 22033), (601, 22054), (652, 22150), (653, 22153), (655, 22159), (679, 22228), (684, 22246), (686, 22255), (697, 22285), (731, 22381), (747, 22414), (753, 22429), (763, 22459), (795, 22570), (813, 22627), (861, 22738),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 206

Candidate Starts for Forza_101:

(Start: 206 @59948 has 4 MA's), (Start: 218 @59963 has 1 MA's), (Start: 220 @59966 has 1 MA's), (237, 59993), (263, 60050), (275, 60086), (286, 60119), (299, 60149), (301, 60152), (327, 60221), (331, 60227), (402, 60392), (418, 60434), (424, 60443), (428, 60452), (443, 60464), (502, 60584), (574, 60737), (597, 60797), (655, 60944), (660, 60965), (667, 60980), (724, 61058), (726, 61064), (773, 61181), (777, 61196), (792, 61253), (801, 61283), (811, 61316), (866, 61436), (906, 61565),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 102

Candidate Starts for Fosterous_33:

(94, 30724), (Start: 102 @30742 has 86 MA's), (Start: 126 @30778 has 1 MA's), (231, 30916), (272, 31012), (275, 31021), (297, 31090), (315, 31141), (333, 31186), (339, 31201), (377, 31282), (397, 31327), (399, 31336), (453, 31426), (467, 31456), (472, 31471), (480, 31495), (496, 31525), (609, 31747), (616, 31765), (620, 31780), (648, 31810), (652, 31822), (653, 31825), (660, 31852), (794, 32173), (795, 32176), (796, 32179), (811, 32227), (824, 32254), (833, 32281), (859, 32335), (864, 32359), (865, 32362), (890, 32452), (907, 32500),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 113

Candidate Starts for FoulBall_56:

(Start: 106 @33466 has 2 MA's), (Start: 113 @33475 has 28 MA's), (Start: 179 @33565 has 33 MA's), (253, 33682), (265, 33718), (275, 33739), (283, 33766), (286, 33772), (299, 33802), (308, 33826), (330, 33877), (394, 34015), (396, 34021), (412, 34072), (413, 34075), (427, 34093), (475, 34144), (482, 34165), (483, 34168), (511, 34216), (512, 34222), (526, 34270), (528, 34276), (531, 34282), (563, 34342), (574, 34366), (575, 34369), (593, 34414), (598, 34429), (601, 34438), (604, 34447), (618, 34492), (628, 34510), (647, 34543), (722, 34681), (730, 34702), (758, 34768), (768, 34798), (784, 34852), (794, 34894), (801, 34915), (807, 34936), (811, 34948), (821, 34969), (844, 35023), (879, 35101), (886, 35137), (892, 35158), (900, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 170

Candidate Starts for Foxboro_42:

(Start: 170 @31331 has 41 MA's), (Start: 200 @31367 has 1 MA's), (212, 31385), (Start: 246 @31445 has 1 MA's), (338, 31685), (343, 31697), (347, 31712), (381, 31778), (388, 31793), (399, 31817), (400, 31820), (435, 31904), (454, 31934), (456, 31937), (501, 31994), (518, 32042), (519, 32045), (525, 32066), (587, 32171), (602, 32216), (626, 32258), (717, 32432), (727, 32462), (731, 32468), (779, 32576), (780, 32579), (801, 32654), (886, 32873), (905, 32930),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 151

Candidate Starts for Francis47_27:

(Start: 151 @21642 has 225 MA's), (Start: 167 @21663 has 5 MA's), (Start: 195 @21705 has 1 MA's), (228, 21750), (315, 21966), (333, 22011), (336, 22020), (377, 22110), (378, 22113), (389, 22137), (476, 22308), (510, 22377), (593, 22578), (594, 22581), (601, 22602), (652, 22698), (653, 22701), (655, 22707), (679, 22776), (684, 22794), (686, 22803), (697, 22833), (731, 22929), (747, 22962),

(753, 22977), (795, 23118), (813, 23175), (861, 23286),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 168

Candidate Starts for Francois_22:

(103, 17292), (Start: 168 @17367 has 17 MA's), (Start: 233 @17460 has 2 MA's), (238, 17475), (273, 17556), (289, 17607), (295, 17628), (334, 17739), (354, 17784), (361, 17802), (365, 17814), (455, 17985), (460, 17994), (463, 18000), (496, 18078), (506, 18096), (523, 18147), (557, 18171), (575, 18201), (601, 18270), (614, 18309), (667, 18441), (686, 18501), (721, 18555), (761, 18642), (794, 18756), (797, 18765), (835, 18870), (877, 18957), (910, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 129

Candidate Starts for Frankie_17:

(Start: 129 @14912 has 222 MA's), (199, 14999), (Start: 233 @15044 has 2 MA's), (242, 15068), (253, 15089), (283, 15173), (286, 15179), (292, 15197), (305, 15227), (350, 15332), (379, 15392), (383, 15401), (388, 15410), (389, 15413), (394, 15422), (401, 15446), (453, 15521), (475, 15572), (480, 15587), (482, 15593), (504, 15629), (511, 15644), (512, 15650), (526, 15698), (531, 15710), (535, 15716), (574, 15776), (579, 15788), (593, 15824), (597, 15836), (624, 15911), (628, 15920), (638, 15938), (642, 15944), (652, 15974), (718, 16079), (722, 16091), (738, 16127), (766, 16205), (801, 16325), (811, 16358), (826, 16388), (835, 16418), (841, 16427), (844, 16433), (859, 16448), (860, 16451), (865, 16475), (876, 16505), (881, 16517), (886, 16547), (899, 16589),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 149

Candidate Starts for Fred313_27:

(Start: 149 @19652 has 636 MA's), (Start: 195 @19712 has 1 MA's), (238, 19781), (280, 19883), (284, 19895), (285, 19898), (315, 19973), (319, 19988), (321, 19991), (336, 20027), (397, 20162), (428, 20231), (487, 20345), (542, 20471), (593, 20585), (601, 20609), (606, 20621), (609, 20627), (653, 20708), (679, 20783), (684, 20801), (686, 20810), (692, 20834), (697, 20840), (700, 20855), (715, 20897), (726, 20924), (730, 20933), (731, 20936), (744, 20957), (747, 20969), (813, 21182), (859, 21287), (861, 21293), (899, 21428),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for FreddyB_16:

(Start: 129 @14816 has 222 MA's), (199, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (283, 15077), (286, 15083), (292, 15101), (305, 15131), (350, 15236), (379, 15296), (389, 15317), (394, 15326), (401, 15350), (475, 15476), (480, 15491), (482, 15497), (504, 15533), (506, 15536), (511, 15548), (512, 15554), (526, 15602), (531, 15614), (535, 15620), (574, 15680), (579, 15692), (593, 15728), (597, 15740), (624, 15815), (628, 15824), (638, 15842), (642, 15848), (652, 15878), (718, 15983), (722, 15995), (738, 16031), (766, 16109), (801, 16229), (811, 16262), (826, 16292), (835, 16322), (841, 16331), (844, 16337), (859, 16352), (860, 16355), (865, 16379), (876, 16409), (881, 16421), (886, 16451), (899, 16493),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 149

Candidate Starts for Fribs8_19:

(Start: 149 @16521 has 636 MA's), (Start: 156 @16533 has 1 MA's), (Start: 233 @16635 has 2 MA's), (299, 16806), (301, 16809), (315, 16854), (333, 16899), (353, 16947), (373, 16992), (416, 17094), (441, 17127), (449, 17139), (451, 17142), (475, 17199), (487, 17232), (499, 17247), (511, 17274), (522, 17313), (555, 17355), (560, 17364), (584, 17409), (593, 17433), (606, 17472), (652, 17553), (657, 17571), (660, 17580), (664, 17589), (684, 17646), (686, 17655), (753, 17787), (755, 17793), (769, 17814), (794, 17886), (795, 17889), (830, 17985), (842, 18012), (847, 18021), (849, 18024), (861, 18054), (880, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 149

Candidate Starts for Frickyeah_20:

(119, 16389), (Start: 149 @16428 has 636 MA's), (Start: 156 @16440 has 1 MA's), (Start: 215 @16518 has 57 MA's), (231, 16539), (253, 16587), (257, 16596), (273, 16638), (284, 16674), (304, 16731), (311, 16752), (319, 16779), (332, 16806), (395, 16947), (416, 17004), (436, 17031), (441, 17037), (467, 17085), (477, 17115), (494, 17151), (509, 17178), (510, 17181), (525, 17232), (554, 17259), (555, 17262), (571, 17289), (584, 17316), (611, 17388), (637, 17427), (663, 17481), (678, 17523), (701, 17598), (736, 17661), (748, 17688), (755, 17706), (792, 17790), (794, 17799), (795, 17802), (797, 17808), (803, 17823), (812, 17853), (814, 17859), (824, 17880), (826, 17883), (849, 17937), (861, 17967), (862, 17976), (878, 18027), (886, 18060), (890, 18072), (895, 18090),

Gene: Frizzle_16 Start: 14350, Stop: 15954, Start Num: 215

Candidate Starts for Frizzle_16:

(59, 14044), (194, 14323), (Start: 215 @14350 has 57 MA's), (324, 14605), (326, 14608), (328, 14611), (340, 14635), (342, 14641), (360, 14683), (471, 14905), (479, 14929), (480, 14932), (481, 14935), (512, 14995), (555, 15106), (556, 15109), (589, 15166), (602, 15205), (604, 15211), (651, 15346), (664, 15391), (674, 15421), (797, 15652), (807, 15685), (831, 15745), (842, 15769), (901, 15937), (906, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 179

Candidate Starts for FroggyToad_17:

(Start: 91 @14569 has 1 MA's), (Start: 179 @14704 has 33 MA's), (209, 14746), (248, 14821), (271, 14893), (272, 14896), (295, 14971), (319, 15025), (338, 15067), (347, 15094), (356, 15106), (368, 15136), (388, 15184), (389, 15187), (405, 15232), (471, 15373), (509, 15454), (526, 15514), (530, 15526), (568, 15562), (602, 15643), (626, 15679), (645, 15712), (654, 15736), (679, 15808), (685, 15832), (792, 16066), (796, 16081), (809, 16123), (847, 16216), (849, 16219), (864, 16267), (873, 16297), (884, 16333),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 151

Candidate Starts for Froghopper_28:

(Start: 151 @21057 has 225 MA's), (Start: 167 @21078 has 5 MA's), (Start: 195 @21120 has 1 MA's), (228, 21165), (315, 21381), (333, 21426), (336, 21435), (353, 21474), (377, 21525), (378, 21528), (416, 21621), (476, 21723), (510, 21792), (593, 21993), (594, 21996), (601, 22017), (652, 22113), (653, 22116), (655, 22122), (679, 22191), (684, 22209), (686, 22218), (697, 22248), (731, 22344), (747, 22377), (753, 22392), (795, 22533), (813, 22590), (861, 22701),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 215

Candidate Starts for Frokostdame_19:

(187, 16580), (Start: 215 @16616 has 57 MA's), (224, 16625), (266, 16721), (296, 16799), (340, 16898), (357, 16937), (392, 17018), (410, 17072), (415, 17087), (472, 17171), (512, 17258), (521, 17288), (604, 17471), (612, 17495), (625, 17546), (659, 17639), (664, 17651), (682, 17696), (713, 17711), (722, 17738), (762, 17843), (763, 17846), (792, 17945), (797, 17963), (813, 18014), (838, 18074), (842, 18080), (876, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Frosty24_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 129

Candidate Starts for Fruitloop_16:

(Start: 129 @14838 has 222 MA's), (199, 14925), (Start: 233 @14970 has 2 MA's), (242, 14994), (283, 15099), (286, 15105), (292, 15123), (305, 15153), (350, 15258), (379, 15318), (389, 15339), (394, 15348), (399, 15366), (401, 15372), (475, 15498), (480, 15513), (482, 15519), (504, 15555), (506, 15558), (511, 15570), (512, 15576), (526, 15624), (531, 15636), (535, 15642), (574, 15702), (579, 15714), (593, 15750), (597, 15762), (624, 15837), (628, 15846), (638, 15864), (642, 15870), (652, 15900), (718, 16005), (721, 16014), (722, 16017), (738, 16053), (766, 16131), (794, 16230), (801, 16251), (811, 16284), (826, 16314), (835, 16344), (841, 16353), (844, 16359), (859, 16374), (860, 16377), (865, 16401), (876, 16431), (881, 16443), (886, 16473), (899, 16515),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 141

Candidate Starts for Fryberger_53:

(61, 27744), (63, 27753), (64, 27759), (Start: 92 @27861 has 4 MA's), (108, 27891), (Start: 141 @27936 has 6 MA's), (241, 28077), (302, 28236), (319, 28290), (389, 28446), (439, 28545), (467, 28593), (487, 28650), (499, 28665), (553, 28755), (614, 28893), (652, 28956), (684, 29052), (712, 29103), (713, 29106), (717, 29118), (753, 29193), (758, 29208), (794, 29292), (824, 29373), (896, 29589), (901, 29607),

Gene: FuegoCuervo_37 Start: 29287, Stop: 31050, Start Num: 102

Candidate Starts for FuegoCuervo_37:

(94, 29269), (Start: 102 @29287 has 86 MA's), (Start: 126 @29323 has 1 MA's), (231, 29461), (272, 29557), (275, 29566), (297, 29635), (315, 29686), (333, 29731), (339, 29746), (377, 29827), (397, 29872), (399, 29881), (453, 29971), (467, 30001), (472, 30016), (480, 30040), (496, 30070), (558, 30175), (609, 30292), (616, 30310), (620, 30325), (648, 30355), (652, 30367), (653, 30370), (660, 30397), (794, 30718), (795, 30721), (796, 30724), (811, 30772), (824, 30799), (833, 30826), (859, 30880), (865, 30907), (901, 31036),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 102

Candidate Starts for Fugax_33:

(85, 26533), (Start: 102 @26575 has 86 MA's), (Start: 126 @26611 has 1 MA's), (Start: 153 @26644 has 10 MA's), (274, 26854), (275, 26857), (284, 26887), (307, 26953), (315, 26977), (317, 26986), (332, 27019), (399, 27172), (416, 27211), (453, 27262), (460, 27274), (467, 27292), (471, 27304), (475, 27316), (480, 27331), (496, 27361), (499, 27364), (509, 27385), (554, 27457), (579, 27505), (620, 27616), (649, 27649), (663, 27691), (686, 27763), (715, 27829), (719, 27841), (795, 28012), (796, 28015), (811, 28063), (824, 28090), (833, 28117), (859, 28171), (890, 28288), (896, 28309), (907, 28336),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Fulbright_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Funston_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036),

(731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 170

Candidate Starts for Fury_50:

(Start: 170 @30682 has 41 MA's), (Start: 179 @30697 has 33 MA's), (212, 30736), (Start: 246 @30796 has 1 MA's), (275, 30880), (347, 31063), (381, 31129), (388, 31144), (402, 31180), (435, 31255), (454, 31285), (456, 31288), (464, 31306), (501, 31345), (513, 31375), (606, 31579), (626, 31609), (652, 31657), (653, 31660), (717, 31783), (731, 31819), (801, 32005), (868, 32158), (884, 32212), (886, 32224), (890, 32236), (905, 32281),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 151

Candidate Starts for Fushigi_28:

(Start: 151 @21514 has 225 MA's), (Start: 167 @21535 has 5 MA's), (Start: 195 @21577 has 1 MA's), (228, 21622), (315, 21838), (333, 21883), (336, 21892), (353, 21931), (377, 21982), (378, 21985), (393, 22015), (476, 22180), (510, 22249), (593, 22450), (594, 22453), (601, 22474), (652, 22570), (653, 22573), (655, 22579), (679, 22648), (684, 22666), (686, 22675), (697, 22705), (731, 22801), (747, 22834), (753, 22849), (795, 22990), (813, 23047), (861, 23158),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 123

Candidate Starts for GAL1_20:

(119, 16976), (Start: 123 @16985 has 8 MA's), (189, 17072), (Start: 215 @17108 has 57 MA's), (244, 17159), (254, 17183), (257, 17189), (269, 17249), (273, 17264), (297, 17339), (301, 17345), (325, 17414), (339, 17444), (347, 17471), (353, 17477), (364, 17507), (373, 17525), (387, 17552), (391, 17561), (395, 17570), (397, 17576), (398, 17582), (408, 17612), (437, 17654), (453, 17675), (457, 17681), (461, 17693), (489, 17759), (506, 17786), (508, 17789), (579, 17915), (601, 17975), (615, 18011), (652, 18071), (653, 18074), (658, 18092), (660, 18101), (684, 18167), (686, 18176), (740, 18290), (753, 18323), (758, 18338), (767, 18347), (787, 18395), (795, 18425), (813, 18482), (815, 18485), (818, 18494), (835, 18536), (859, 18581), (861, 18587), (866, 18611), (868, 18617), (875, 18638), (889, 18692), (896, 18716), (901, 18734), (907, 18743),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 146

Candidate Starts for GEazy_19:

(78, 16527), (119, 16611), (Start: 146 @16647 has 12 MA's), (Start: 233 @16767 has 2 MA's), (267, 16851), (280, 16884), (290, 16917), (319, 17001), (405, 17202), (427, 17244), (453, 17280), (467, 17310), (475, 17334), (494, 17376), (509, 17403), (510, 17406), (547, 17460), (550, 17466), (589, 17553), (738, 17913), (748, 17937), (755, 17955), (795, 18051), (801, 18069), (863, 18228), (887, 18315), (895, 18342),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 191

Candidate Starts for GMA1_19:

(86, 15795), (Start: 191 @15927 has 1 MA's), (240, 16008), (262, 16050), (280, 16116), (283, 16125), (284, 16128), (287, 16131), (308, 16179), (315, 16197), (316, 16200), (388, 16365), (401, 16401), (405, 16413), (409, 16425), (509, 16530), (512, 16542), (520, 16569), (599, 16719), (637, 16788), (653, 16824), (715, 16938), (717, 16944), (737, 16974), (742, 16983), (757, 17019), (761, 17031), (774, 17067), (777, 17079), (809, 17190), (813, 17202), (849, 17277), (860, 17310), (862, 17322), (875, 17364), (879, 17373), (894, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 208

Candidate Starts for GMA2_30:

(Start: 208 @31614 has 12 MA's), (286, 31785), (305, 31833), (311, 31848), (331, 31893), (405, 32064), (418, 32100), (424, 32109), (427, 32115), (428, 32118), (443, 32130), (502, 32250), (551, 32367), (578, 32412), (655, 32613), (660, 32634), (667, 32649), (718, 32709), (750, 32787), (758,

32808), (761, 32817), (777, 32865), (885, 33171), (899, 33219),

Gene: GMonster_26 Start: 20476, Stop: 22278, Start Num: 151

Candidate Starts for GMonster_26:

(Start: 151 @20476 has 225 MA's), (Start: 167 @20497 has 5 MA's), (Start: 195 @20539 has 1 MA's), (228, 20584), (315, 20800), (333, 20845), (336, 20854), (377, 20944), (378, 20947), (389, 20971), (416, 21040), (476, 21142), (510, 21211), (589, 21400), (593, 21412), (594, 21415), (601, 21436), (652, 21532), (653, 21535), (655, 21541), (679, 21610), (684, 21628), (686, 21637), (697, 21667), (731, 21763), (747, 21796), (753, 21811), (795, 21952), (813, 22009), (861, 22120),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 170

Candidate Starts for GRU1_31:

(Start: 170 @23089 has 41 MA's), (Start: 179 @23104 has 33 MA's), (Start: 200 @23125 has 1 MA's), (Start: 246 @23203 has 1 MA's), (291, 23341), (347, 23470), (363, 23500), (377, 23527), (381, 23536), (388, 23551), (435, 23662), (454, 23692), (456, 23695), (501, 23752), (603, 23977), (626, 24016), (652, 24064), (717, 24190), (731, 24226), (763, 24283), (780, 24337), (801, 24412), (862, 24544), (884, 24619), (886, 24631), (890, 24643), (892, 24652), (905, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 226

Candidate Starts for GTE2_16:

(Start: 139 @15068 has 9 MA's), (Start: 149 @15071 has 636 MA's), (226, 15173), (Start: 233 @15185 has 2 MA's), (274, 15281), (302, 15365), (335, 15455), (361, 15515), (373, 15542), (388, 15572), (389, 15575), (398, 15599), (408, 15629), (416, 15644), (441, 15677), (449, 15689), (451, 15692), (461, 15713), (487, 15782), (496, 15794), (514, 15836), (584, 15959), (653, 16109), (657, 16124), (664, 16142), (684, 16199), (753, 16340), (755, 16346), (760, 16358), (769, 16367), (794, 16439), (795, 16442), (797, 16448), (801, 16460), (835, 16553), (842, 16565), (847, 16574), (861, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 170

Candidate Starts for GTE5_32:

(Start: 170 @24044 has 41 MA's), (Start: 179 @24059 has 33 MA's), (Start: 200 @24080 has 1 MA's), (Start: 246 @24158 has 1 MA's), (347, 24425), (363, 24455), (377, 24482), (381, 24491), (388, 24506), (435, 24617), (454, 24647), (456, 24650), (501, 24707), (587, 24884), (603, 24932), (626, 24971), (632, 24980), (652, 25019), (717, 25145), (731, 25181), (763, 25238), (780, 25292), (801, 25367), (862, 25499), (884, 25574), (886, 25586), (890, 25598), (892, 25607), (905, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 215

Candidate Starts for GTE6_32:

(Start: 215 @28048 has 57 MA's), (232, 28069), (261, 28132), (305, 28255), (310, 28267), (333, 28324), (370, 28402), (419, 28525), (483, 28639), (502, 28669), (517, 28711), (545, 28774), (574, 28822), (578, 28831), (597, 28882), (614, 28930), (678, 29095), (718, 29125), (758, 29224), (761, 29233), (762, 29236), (777, 29281), (790, 29338), (792, 29344), (793, 29350), (808, 29398), (811, 29407), (813, 29413), (815, 29416), (835, 29467), (862, 29512), (882, 29581), (895, 29629), (899, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 170

Candidate Starts for GTE8_30:

(Start: 170 @24084 has 41 MA's), (Start: 200 @24120 has 1 MA's), (Start: 246 @24198 has 1 MA's), (338, 24438), (343, 24450), (347, 24465), (381, 24531), (388, 24546), (399, 24570), (435, 24657), (454, 24687), (456, 24690), (495, 24735), (501, 24747), (518, 24795), (519, 24798), (525, 24819), (602, 24969), (626, 25011), (717, 25185), (731, 25221), (779, 25329), (780, 25332), (801, 25407), (886, 25626), (905, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for GUmble_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (376, 15279), (379, 15285), (383, 15294), (389, 15306), (394, 15315), (401, 15339), (413, 15375), (415, 15381), (427, 15393), (453, 15414), (455, 15417), (460, 15426), (467, 15441), (469, 15447), (475, 15465), (480, 15480), (482, 15486), (490, 15504), (493, 15507), (504, 15522), (511, 15537), (512, 15543), (521, 15573), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (604, 15750), (624, 15804), (628, 15813), (642, 15837), (652, 15867), (718, 15972), (722, 15984), (738, 16020), (754, 16059), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (864, 16365), (865, 16368), (881, 16410), (886, 16440), (899, 16482), (900, 16488),

Gene: Gachnar_27 Start: 21116, Stop: 22918, Start Num: 151

Candidate Starts for Gachnar_27:

(Start: 151 @21116 has 225 MA's), (Start: 167 @21137 has 5 MA's), (Start: 195 @21179 has 1 MA's), (228, 21224), (315, 21440), (333, 21485), (336, 21494), (353, 21533), (377, 21584), (378, 21587), (476, 21782), (510, 21851), (593, 22052), (594, 22055), (601, 22076), (652, 22172), (653, 22175), (655, 22181), (679, 22250), (684, 22268), (686, 22277), (697, 22307), (731, 22403), (747, 22436), (753, 22451), (795, 22592), (813, 22649), (861, 22760),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 149

Candidate Starts for Gadost_27:

(Start: 128 @19807 has 37 MA's), (Start: 149 @19831 has 636 MA's), (Start: 195 @19888 has 1 MA's), (Start: 233 @19942 has 2 MA's), (238, 19957), (Start: 246 @19975 has 1 MA's), (280, 20059), (284, 20071), (285, 20074), (315, 20149), (319, 20164), (336, 20203), (389, 20320), (428, 20407), (472, 20488), (499, 20536), (510, 20560), (542, 20647), (560, 20692), (594, 20764), (601, 20785), (609, 20803), (653, 20884), (684, 20977), (686, 20986), (692, 21010), (697, 21016), (702, 21040), (731, 21094), (744, 21115), (761, 21166), (770, 21190), (786, 21244), (813, 21340), (859, 21445), (862, 21460), (893, 21568), (899, 21586),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 102

Candidate Starts for Gaea_34:

(Start: 102 @29484 has 86 MA's), (Start: 126 @29520 has 1 MA's), (223, 29649), (231, 29658), (272, 29754), (275, 29763), (297, 29832), (315, 29883), (317, 29892), (333, 29928), (339, 29943), (345, 29961), (377, 30024), (397, 30069), (399, 30078), (467, 30198), (472, 30213), (475, 30222), (480, 30237), (496, 30267), (609, 30489), (616, 30507), (620, 30522), (652, 30564), (653, 30567), (660, 30594), (703, 30714), (749, 30807), (795, 30918), (796, 30921), (811, 30969), (824, 30996), (833, 31023), (859, 31077), (865, 31104),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 196

Candidate Starts for Gage_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 151

Candidate Starts for GageAP_29:

(Start: 151 @21828 has 225 MA's), (Start: 167 @21849 has 5 MA's), (Start: 195 @21891 has 1 MA's), (228, 21936), (315, 22152), (333, 22197), (336, 22206), (353, 22245), (377, 22296), (378, 22299), (476, 22494), (510, 22563), (593, 22764), (594, 22767), (601, 22788), (652, 22884), (653, 22887),

(655, 22893), (679, 22962), (684, 22980), (686, 22989), (697, 23019), (731, 23115), (747, 23148), (753, 23163), (795, 23304), (813, 23361), (861, 23472), (907, 23625),

Gene: Gagieri_45 Start: 31180, Stop: 32754, Start Num: 174

Candidate Starts for Gagieri_45:

(Start: 174 @31180 has 9 MA's), (Start: 179 @31189 has 33 MA's), (182, 31192), (226, 31243), (237, 31267), (Start: 246 @31270 has 1 MA's), (343, 31522), (350, 31540), (381, 31603), (388, 31618), (446, 31735), (456, 31750), (501, 31807), (506, 31816), (519, 31858), (525, 31879), (540, 31909), (576, 31963), (658, 32137), (717, 32242), (718, 32245), (727, 32272), (774, 32365), (811, 32497), (833, 32545), (866, 32611), (876, 32641), (895, 32713),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 105

Candidate Starts for Gaia_16:

(Start: 105 @15059 has 2 MA's), (112, 15068), (125, 15089), (180, 15158), (193, 15176), (205, 15194), (238, 15248), (254, 15284), (262, 15299), (263, 15302), (283, 15362), (315, 15455), (333, 15500), (335, 15506), (338, 15512), (345, 15533), (351, 15545), (373, 15593), (393, 15632), (394, 15635), (395, 15638), (406, 15674), (412, 15692), (422, 15719), (426, 15728), (459, 15767), (467, 15785), (483, 15833), (507, 15875), (524, 15929), (525, 15935), (527, 15941), (544, 15971), (559, 16010), (562, 16019), (573, 16043), (575, 16049), (609, 16139), (613, 16154), (644, 16220), (653, 16250), (669, 16298), (678, 16322), (679, 16325), (686, 16352), (723, 16412), (731, 16433), (740, 16454), (758, 16502), (762, 16514), (777, 16559), (792, 16619), (826, 16715), (828, 16721), (835, 16745), (842, 16757), (847, 16766), (862, 16784), (879, 16835), (890, 16883), (892, 16892), (895, 16901), (897, 16910), (899, 16913), (910, 16940),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 149

Candidate Starts for Gail_28:

(Start: 146 @19402 has 12 MA's), (Start: 149 @19405 has 636 MA's), (245, 19540), (275, 19609), (285, 19642), (314, 19714), (315, 19717), (321, 19735), (339, 19777), (389, 19888), (397, 19906), (405, 19933), (408, 19942), (428, 19975), (470, 20050), (472, 20056), (476, 20059), (506, 20119), (546, 20221), (554, 20248), (587, 20308), (594, 20332), (609, 20371), (653, 20452), (715, 20650), (753, 20737), (755, 20743), (785, 20836), (859, 21040), (861, 21046),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 129

Candidate Starts for Galactic_16:

(Start: 129 @14803 has 222 MA's), (199, 14890), (Start: 233 @14935 has 2 MA's), (242, 14959), (283, 15064), (286, 15070), (292, 15088), (305, 15118), (350, 15223), (379, 15283), (389, 15304), (394, 15313), (401, 15337), (475, 15463), (480, 15478), (482, 15484), (504, 15520), (506, 15523), (511, 15535), (512, 15541), (526, 15589), (531, 15601), (535, 15607), (574, 15667), (579, 15679), (593, 15715), (597, 15727), (624, 15802), (628, 15811), (638, 15829), (642, 15835), (652, 15865), (718, 15970), (721, 15979), (722, 15982), (738, 16018), (766, 16096), (794, 16195), (801, 16216), (811, 16249), (826, 16279), (835, 16309), (841, 16318), (844, 16324), (859, 16339), (860, 16342), (865, 16366), (876, 16396), (881, 16408), (886, 16438), (899, 16480),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 102

Candidate Starts for Galadriel_35:

(94, 31213), (Start: 102 @31231 has 86 MA's), (Start: 126 @31267 has 1 MA's), (231, 31405), (272, 31501), (275, 31510), (297, 31579), (315, 31630), (333, 31675), (339, 31690), (377, 31771), (397, 31816), (399, 31825), (453, 31915), (467, 31945), (472, 31960), (480, 31984), (496, 32014), (558, 32119), (609, 32236), (616, 32254), (620, 32269), (648, 32299), (652, 32311), (653, 32314), (660, 32341), (795, 32665), (796, 32668), (811, 32716), (824, 32743), (833, 32770), (859, 32824), (864, 32848), (865, 32851), (890, 32941), (907, 32989),

Gene: Gallia_42 Start: 34784, Stop: 36412, Start Num: 170

Candidate Starts for Gallia_42:

(Start: 170 @34784 has 41 MA's), (285, 35006), (315, 35087), (322, 35108), (350, 35174), (388, 35249), (389, 35252), (446, 35387), (501, 35459), (506, 35468), (549, 35567), (600, 35675), (679, 35852), (743, 35948), (774, 36017), (785, 36056), (805, 36128), (827, 36182), (834, 36206), (838, 36215), (872, 36296), (898, 36386),

Gene: GaloreK_19 Start: 16381, Stop: 18117, Start Num: 122

Candidate Starts for GaloreK_19:

(Start: 107 @16357 has 2 MA's), (Start: 122 @16381 has 48 MA's), (Start: 170 @16441 has 41 MA's), (183, 16462), (185, 16465), (260, 16585), (274, 16624), (284, 16657), (294, 16681), (344, 16801), (361, 16840), (363, 16846), (399, 16930), (401, 16936), (405, 16948), (413, 16972), (442, 16999), (458, 17017), (473, 17056), (475, 17062), (483, 17086), (512, 17140), (516, 17152), (518, 17161), (545, 17221), (583, 17299), (597, 17338), (609, 17371), (628, 17437), (636, 17452), (642, 17461), (650, 17485), (660, 17515), (667, 17527), (733, 17629), (741, 17641), (744, 17644), (746, 17650), (748, 17659), (784, 17767), (807, 17851), (852, 17950), (889, 18058), (906, 18106),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 215

Candidate Starts for Gambino_21:

(187, 16926), (Start: 215 @16962 has 57 MA's), (224, 16971), (266, 17067), (296, 17145), (326, 17217), (340, 17244), (357, 17283), (392, 17364), (410, 17418), (512, 17604), (521, 17634), (573, 17733), (604, 17817), (612, 17841), (625, 17892), (659, 17985), (664, 17997), (682, 18042), (713, 18057), (762, 18189), (763, 18192), (792, 18291), (797, 18309), (813, 18360), (838, 18420), (842, 18426), (876, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 116

Candidate Starts for Gancho_21:

(58, 16953), (Start: 116 @17127 has 42 MA's), (Start: 121 @17136 has 18 MA's), (184, 17217), (193, 17229), (Start: 213 @17253 has 1 MA's), (219, 17265), (Start: 233 @17286 has 2 MA's), (238, 17301), (272, 17379), (294, 17451), (323, 17541), (360, 17625), (363, 17634), (373, 17655), (401, 17721), (411, 17748), (425, 17781), (445, 17799), (459, 17817), (460, 17820), (467, 17835), (468, 17838), (496, 17904), (499, 17907), (523, 17973), (564, 17997), (598, 18084), (615, 18138), (643, 18183), (646, 18189), (653, 18216), (668, 18261), (715, 18354), (718, 18363), (761, 18441), (804, 18585), (809, 18603), (813, 18615), (822, 18630), (824, 18633), (831, 18654), (864, 18714), (875, 18747), (877, 18753), (879, 18756), (895, 18822), (910, 18861),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 151

Candidate Starts for Gandalf20_28:

(Start: 151 @21933 has 225 MA's), (Start: 167 @21954 has 5 MA's), (Start: 195 @21996 has 1 MA's), (228, 22041), (315, 22257), (333, 22302), (336, 22311), (353, 22350), (377, 22401), (378, 22404), (476, 22599), (510, 22668), (593, 22869), (594, 22872), (601, 22893), (652, 22989), (653, 22992), (655, 22998), (679, 23067), (684, 23085), (686, 23094), (697, 23124), (731, 23220), (747, 23253), (753, 23268), (795, 23409), (813, 23466), (861, 23577),

Gene: Gandolph_16 Start: 14822, Stop: 16531, Start Num: 129

Candidate Starts for Gandolph_16:

(Start: 129 @14822 has 222 MA's), (199, 14909), (Start: 233 @14954 has 2 MA's), (242, 14978), (283, 15083), (286, 15089), (292, 15107), (305, 15137), (350, 15242), (376, 15296), (379, 15302), (383, 15311), (389, 15323), (394, 15332), (401, 15356), (413, 15392), (415, 15398), (427, 15410), (453, 15431), (455, 15434), (460, 15443), (467, 15458), (469, 15464), (475, 15482), (480, 15497), (482, 15503), (490, 15521), (493, 15524), (504, 15539), (506, 15542), (511, 15554), (512, 15560), (526, 15608), (531, 15620), (535, 15626), (574, 15686), (579, 15698), (593, 15734), (597, 15746), (604, 15767), (624, 15821), (628, 15830), (638, 15848), (642, 15854), (652, 15884), (718, 15989), (721, 15998), (722, 16001), (738, 16037), (754, 16076), (766, 16115), (794, 16214), (801, 16235), (811,

16268), (826, 16298), (835, 16328), (841, 16337), (844, 16343), (859, 16358), (860, 16361), (865, 16385), (876, 16415), (881, 16427), (886, 16457), (899, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 118

Candidate Starts for Ganymede_24:

(Start: 118 @17168 has 152 MA's), (143, 17198), (Start: 246 @17357 has 1 MA's), (262, 17390), (273, 17420), (283, 17453), (288, 17465), (317, 17555), (335, 17597), (365, 17669), (369, 17678), (389, 17717), (405, 17762), (412, 17783), (413, 17786), (445, 17840), (459, 17858), (475, 17900), (477, 17906), (487, 17933), (574, 18071), (582, 18089), (597, 18131), (603, 18149), (614, 18179), (628, 18206), (669, 18311), (749, 18470), (762, 18506), (776, 18545), (795, 18620), (811, 18671), (889, 18866), (900, 18905), (901, 18908), (910, 18926),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 149

Candidate Starts for Garak_32:

(98, 19911), (Start: 128 @19953 has 37 MA's), (Start: 149 @19977 has 636 MA's), (285, 20214), (314, 20286), (315, 20289), (319, 20304), (336, 20343), (339, 20349), (389, 20460), (393, 20466), (405, 20505), (428, 20547), (455, 20586), (472, 20628), (476, 20631), (542, 20787), (603, 20928), (609, 20943), (697, 21156), (744, 21255), (753, 21282), (771, 21333), (774, 21342), (785, 21381), (786, 21384), (859, 21585), (861, 21591), (899, 21726),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 134

Candidate Starts for Gator_22:

(Start: 134 @19361 has 130 MA's), (Start: 196 @19445 has 48 MA's), (Start: 246 @19523 has 1 MA's), (280, 19610), (286, 19625), (305, 19673), (320, 19712), (361, 19799), (377, 19832), (394, 19868), (402, 19898), (405, 19904), (458, 19973), (477, 20003), (481, 20015), (482, 20018), (512, 20075), (575, 20207), (578, 20213), (602, 20279), (604, 20285), (612, 20309), (628, 20357), (642, 20381), (647, 20390), (672, 20465), (721, 20516), (726, 20531), (786, 20693), (792, 20720), (801, 20750), (843, 20855), (879, 20933), (886, 20969), (889, 20978), (899, 21011), (906, 21026),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 149

Candidate Starts for GaugeLDP_30:

(Start: 128 @21442 has 37 MA's), (Start: 149 @21466 has 636 MA's), (245, 21601), (284, 21700), (285, 21703), (315, 21778), (321, 21796), (336, 21832), (339, 21838), (361, 21889), (389, 21949), (405, 21994), (428, 22036), (465, 22096), (472, 22117), (476, 22120), (542, 22276), (593, 22390), (594, 22393), (653, 22513), (692, 22639), (697, 22645), (738, 22735), (744, 22744), (753, 22771), (761, 22795), (785, 22870), (786, 22873), (788, 22885), (813, 22969), (850, 23050), (859, 23074), (861, 23080), (876, 23134), (899, 23215),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for Gavriela_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891), (458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 150

Candidate Starts for Geeche_47:

(Start: 150 @29431 has 17 MA's), (192, 29491), (Start: 214 @29524 has 22 MA's), (234, 29557), (283, 29683), (294, 29716), (299, 29725), (353, 29854), (375, 29902), (512, 30115), (514, 30121), (521, 30145), (587, 30274), (593, 30295), (604, 30328), (672, 30526), (763, 30679), (792, 30778), (795,

30790), (798, 30799), (829, 30883), (887, 31030), (897, 31066), (901, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for GemG_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 134

Candidate Starts for Gemini_27:

(Start: 134 @20253 has 130 MA's), (Start: 196 @20337 has 48 MA's), (Start: 246 @20415 has 1 MA's), (280, 20502), (286, 20517), (305, 20565), (320, 20604), (361, 20691), (377, 20724), (394, 20760), (402, 20790), (405, 20796), (458, 20865), (477, 20895), (481, 20907), (482, 20910), (512, 20967), (575, 21099), (578, 21105), (602, 21171), (604, 21177), (612, 21201), (628, 21249), (642, 21273), (647, 21282), (672, 21357), (721, 21408), (726, 21423), (786, 21585), (792, 21612), (801, 21642), (843, 21747), (879, 21825), (886, 21861), (889, 21870), (899, 21903), (906, 21918),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 149

Candidate Starts for Gemma_29:

(Start: 149 @20456 has 636 MA's), (Start: 195 @20513 has 1 MA's), (205, 20528), (238, 20582), (245, 20597), (280, 20684), (284, 20696), (285, 20699), (315, 20774), (319, 20789), (428, 21032), (510, 21185), (542, 21272), (587, 21365), (593, 21386), (601, 21410), (606, 21422), (609, 21428), (653, 21509), (679, 21584), (684, 21602), (686, 21611), (692, 21635), (697, 21641), (700, 21656), (706, 21680), (730, 21734), (731, 21737), (744, 21758), (859, 22088), (861, 22094), (899, 22229),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 121

Candidate Starts for Gengar_21:

(Start: 121 @17520 has 18 MA's), (124, 17526), (Start: 145 @17550 has 2 MA's), (Start: 171 @17583 has 8 MA's), (205, 17631), (238, 17685), (262, 17736), (283, 17799), (319, 17907), (365, 18015), (412, 18129), (413, 18132), (428, 18171), (445, 18186), (455, 18198), (459, 18204), (475, 18246), (477, 18252), (496, 18291), (509, 18315), (574, 18417), (598, 18480), (613, 18525), (669, 18660), (718, 18759), (753, 18837), (761, 18861), (768, 18882), (795, 18978), (797, 18984), (864, 19137), (894, 19242), (895, 19245), (900, 19263),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 102

Candidate Starts for Geodirt_32:

(94, 30199), (Start: 102 @30217 has 86 MA's), (Start: 126 @30253 has 1 MA's), (231, 30391), (272, 30487), (275, 30496), (297, 30565), (315, 30616), (333, 30661), (339, 30676), (377, 30757), (397, 30802), (399, 30811), (453, 30901), (467, 30931), (472, 30946), (480, 30970), (496, 31000), (558, 31105), (609, 31222), (616, 31240), (620, 31255), (648, 31285), (652, 31297), (653, 31300), (660, 31327), (795, 31651), (796, 31654), (811, 31702), (824, 31729), (833, 31756), (859, 31810), (865, 31837), (907, 31975),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 149

Candidate Starts for George_23:

(Start: 149 @19658 has 636 MA's), (Start: 233 @19763 has 2 MA's), (Start: 246 @19796 has 1 MA's), (285, 19895), (315, 19970), (319, 19985), (335, 20021), (366, 20093), (373, 20108), (393, 20147), (401, 20174), (408, 20195), (433, 20234), (487, 20342), (506, 20372), (509, 20378), (560, 20513), (589, 20570), (590, 20573), (593, 20582), (609, 20624), (615, 20642), (652, 20702), (653, 20705), (684, 20798), (686, 20807), (692, 20831), (730, 20939), (747, 20975), (813, 21185), (858, 21287), (861, 21296), (892, 21410), (899, 21431), (901, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 149

Candidate Starts for Georgie2_29:

(98, 20043), (Start: 128 @20085 has 37 MA's), (Start: 149 @20109 has 636 MA's), (231, 20208), (265, 20292), (284, 20343), (285, 20346), (314, 20418), (315, 20421), (336, 20475), (353, 20514), (373, 20559), (389, 20592), (428, 20679), (472, 20760), (476, 20763), (594, 21036), (653, 21156), (692, 21282), (718, 21336), (747, 21399), (753, 21414), (755, 21420), (774, 21474), (785, 21513), (788, 21528), (813, 21612), (861, 21723), (899, 21858),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 118

Candidate Starts for Geraldini_23:

(Start: 118 @17164 has 152 MA's), (143, 17194), (Start: 246 @17353 has 1 MA's), (262, 17386), (273, 17416), (283, 17449), (288, 17461), (317, 17551), (335, 17593), (365, 17665), (369, 17674), (389, 17713), (405, 17758), (412, 17779), (413, 17782), (445, 17836), (459, 17854), (475, 17896), (477, 17902), (487, 17929), (574, 18067), (582, 18085), (597, 18127), (603, 18145), (614, 18175), (628, 18202), (669, 18307), (749, 18466), (762, 18502), (776, 18541), (795, 18616), (811, 18667), (889, 18862), (900, 18901), (901, 18904), (910, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Geralt_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (379, 15285), (389, 15306), (394, 15315), (401, 15339), (475, 15465), (480, 15480), (482, 15486), (504, 15522), (506, 15525), (511, 15537), (512, 15543), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (624, 15804), (628, 15813), (638, 15831), (642, 15837), (652, 15867), (718, 15972), (721, 15981), (722, 15984), (738, 16020), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (865, 16368), (876, 16398), (881, 16410), (886, 16440), (899, 16482),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 149

Candidate Starts for Getalong_21:

(119, 17186), (Start: 149 @17225 has 636 MA's), (Start: 156 @17237 has 1 MA's), (159, 17240), (185, 17276), (Start: 215 @17315 has 57 MA's), (231, 17336), (249, 17378), (253, 17384), (254, 17387), (260, 17399), (273, 17435), (284, 17471), (304, 17528), (319, 17576), (332, 17603), (377, 17705), (395, 17744), (416, 17801), (427, 17819), (436, 17828), (441, 17834), (467, 17882), (477, 17912), (494, 17948), (499, 17954), (509, 17975), (510, 17978), (525, 18029), (554, 18056), (555, 18059), (571, 18086), (584, 18113), (611, 18185), (637, 18224), (663, 18278), (686, 18350), (701, 18395), (748, 18485), (755, 18503), (792, 18587), (794, 18596), (795, 18599), (797, 18605), (803, 18620), (812, 18650), (814, 18656), (824, 18677), (826, 18680), (849, 18734), (861, 18764), (862, 18773), (878, 18824), (886, 18857), (890, 18869), (895, 18887),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 134

Candidate Starts for Gex_18:

(Start: 134 @14985 has 130 MA's), (155, 15012), (Start: 233 @15117 has 2 MA's), (237, 15129), (254, 15165), (274, 15216), (283, 15246), (286, 15252), (297, 15279), (301, 15285), (350, 15405), (376, 15459), (379, 15465), (388, 15483), (394, 15495), (395, 15498), (401, 15519), (415, 15561), (453, 15594), (475, 15645), (480, 15660), (504, 15702), (511, 15717), (512, 15723), (526, 15771), (539, 15795), (554, 15825), (574, 15849), (597, 15909), (601, 15921), (618, 15975), (624, 15984), (651, 16044), (652, 16047), (718, 16152), (721, 16161), (738, 16200), (785, 16338), (834, 16488), (835, 16491), (841, 16500), (859, 16521), (865, 16548), (879, 16584), (906, 16677),

Gene: Gezellig_31 Start: 25993, Stop: 27759, Start Num: 102

Candidate Starts for Gezellig_31:

(85, 25951), (Start: 102 @25993 has 86 MA's), (Start: 126 @26029 has 1 MA's), (Start: 153 @26062 has 10 MA's), (274, 26272), (275, 26275), (284, 26305), (307, 26371), (315, 26395), (317, 26404), (332, 26437), (399, 26590), (416, 26629), (453, 26680), (460, 26692), (467, 26710), (471, 26722), (475, 26734), (480, 26749), (496, 26779), (499, 26782), (509, 26803), (554, 26875), (579, 26923), (620, 27034), (649, 27067), (660, 27106), (663, 27109), (686, 27181), (715, 27247), (719, 27259), (795, 27430), (796, 27433), (811, 27481), (824, 27508), (833, 27535), (859, 27589), (890, 27706), (896, 27727), (907, 27754),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 215

Candidate Starts for Ghobes_16:

(59, 14042), (194, 14321), (Start: 215 @14348 has 57 MA's), (324, 14603), (326, 14606), (328, 14609), (340, 14633), (342, 14639), (360, 14681), (367, 14699), (416, 14825), (471, 14903), (479, 14927), (480, 14930), (481, 14933), (512, 14993), (555, 15104), (556, 15107), (589, 15164), (602, 15203), (604, 15209), (612, 15233), (664, 15389), (674, 15419), (797, 15650), (807, 15683), (831, 15743), (842, 15767), (901, 15935), (906, 15941),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 149

Candidate Starts for Ghoulboy_24:

(Start: 149 @19904 has 636 MA's), (Start: 246 @20042 has 1 MA's), (285, 20141), (315, 20216), (335, 20267), (366, 20339), (373, 20354), (389, 20387), (393, 20393), (436, 20486), (487, 20588), (506, 20618), (509, 20624), (542, 20714), (553, 20744), (593, 20828), (594, 20831), (609, 20870), (615, 20888), (652, 20948), (653, 20951), (684, 21044), (730, 21185), (749, 21227), (861, 21545), (899, 21680), (901, 21689),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 149

Candidate Starts for GiKK_21:

(36, 14670), (119, 15060), (Start: 139 @15087 has 9 MA's), (Start: 149 @15090 has 636 MA's), (Start: 246 @15231 has 1 MA's), (284, 15330), (301, 15375), (373, 15558), (388, 15588), (402, 15630), (416, 15660), (441, 15690), (449, 15702), (451, 15705), (487, 15795), (517, 15861), (522, 15876), (553, 15912), (560, 15927), (571, 15945), (589, 15984), (591, 15990), (627, 16074), (651, 16110), (652, 16113), (653, 16116), (657, 16131), (664, 16149), (665, 16152), (684, 16206), (748, 16335), (753, 16347), (758, 16362), (769, 16374), (794, 16446), (795, 16449), (796, 16452), (830, 16548), (861, 16617), (862, 16626), (895, 16743), (901, 16764), (906, 16770),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 149

Candidate Starts for Gibbous_18:

(Start: 149 @15938 has 636 MA's), (Start: 233 @16052 has 2 MA's), (248, 16085), (319, 16286), (335, 16322), (373, 16409), (416, 16511), (441, 16544), (449, 16556), (451, 16559), (475, 16616), (487, 16649), (499, 16664), (511, 16691), (522, 16730), (553, 16766), (555, 16772), (584, 16826), (593, 16850), (606, 16889), (610, 16895), (652, 16967), (657, 16985), (660, 16994), (664, 17003), (684, 17060), (688, 17078), (748, 17189), (753, 17201), (758, 17216), (769, 17228), (794, 17300), (795, 17303), (830, 17399), (842, 17426), (855, 17450), (861, 17468),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Gideon_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 129

Candidate Starts for GigiOuiOui_16:

(Start: 129 @14934 has 222 MA's), (199, 15021), (Start: 215 @15042 has 57 MA's), (Start: 233 @15066 has 2 MA's), (242, 15090), (283, 15195), (286, 15201), (292, 15219), (305, 15249), (350, 15354), (376, 15408), (379, 15414), (383, 15423), (394, 15444), (401, 15468), (413, 15504), (415, 15510), (453, 15543), (455, 15546), (460, 15555), (467, 15570), (469, 15576), (475, 15594), (480, 15609), (482, 15615), (490, 15633), (493, 15636), (504, 15651), (511, 15666), (512, 15672), (526, 15720), (531, 15732), (535, 15738), (574, 15798), (579, 15810), (593, 15846), (597, 15858), (624, 15933), (628, 15942), (638, 15960), (642, 15966), (652, 15996), (718, 16101), (722, 16113), (738, 16149), (766, 16227), (801, 16347), (811, 16380), (826, 16410), (829, 16422), (835, 16440), (839, 16446), (841, 16449), (844, 16455), (859, 16470), (860, 16473), (864, 16494), (865, 16497), (881, 16539), (886, 16569), (899, 16611), (900, 16617),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 149

Candidate Starts for Gilberta_28:

(98, 20680), (Start: 128 @20722 has 37 MA's), (Start: 149 @20746 has 636 MA's), (188, 20788), (Start: 246 @20884 has 1 MA's), (255, 20899), (284, 20980), (285, 20983), (314, 21055), (315, 21058), (319, 21073), (336, 21112), (339, 21118), (389, 21229), (393, 21235), (428, 21316), (476, 21400), (526, 21526), (533, 21544), (550, 21571), (609, 21712), (648, 21778), (652, 21790), (653, 21793), (712, 21982), (721, 22009), (726, 22018), (736, 22039), (738, 22042), (747, 22063), (753, 22078), (761, 22102), (785, 22177), (788, 22192), (813, 22276), (859, 22381), (861, 22387), (876, 22441), (907, 22540),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Giles_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 149

Candidate Starts for GingkoMaracino_29:

(Start: 149 @20265 has 636 MA's), (Start: 195 @20322 has 1 MA's), (205, 20337), (231, 20370), (238, 20391), (245, 20406), (280, 20493), (284, 20505), (285, 20508), (315, 20583), (319, 20598), (335, 20634), (428, 20841), (487, 20955), (510, 20994), (542, 21081), (593, 21195), (601, 21219), (609, 21237), (653, 21318), (679, 21393), (684, 21411), (692, 21444), (697, 21450), (706, 21489), (730, 21543), (731, 21546), (744, 21567), (763, 21624), (813, 21792), (859, 21897), (861, 21903), (899, 22038),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 129

Candidate Starts for Girafales_17:

(Start: 129 @14636 has 222 MA's), (199, 14723), (Start: 233 @14768 has 2 MA's), (242, 14792), (283, 14897), (286, 14903), (292, 14921), (305, 14951), (350, 15056), (379, 15116), (389, 15137), (394, 15146), (401, 15170), (475, 15296), (480, 15311), (482, 15317), (490, 15335), (493, 15338), (504, 15353), (506, 15356), (511, 15368), (512, 15374), (515, 15383), (526, 15422), (531, 15434), (535, 15440), (574, 15500), (593, 15548), (597, 15560), (624, 15635), (628, 15644), (638, 15662), (642, 15668), (652, 15698), (718, 15803), (722, 15815), (738, 15851), (766, 15929), (794, 16028), (801, 16049), (811, 16082), (826, 16112), (835, 16142), (841, 16151), (844, 16157), (859, 16172), (860, 16175), (864, 16196), (865, 16199), (881, 16241), (886, 16271), (899, 16313),

Gene: Giroux_28 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for Giroux_28:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Girr_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (376, 15248), (379, 15254), (383, 15263), (389, 15275), (394, 15284), (401, 15308), (413, 15344), (415, 15350), (427, 15362), (453, 15383), (455, 15386), (460, 15395), (467, 15410), (469, 15416), (475, 15434), (480, 15449), (482, 15455), (490, 15473), (493, 15476), (504, 15491), (511, 15506), (512, 15512), (521, 15542), (526, 15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (604, 15719), (624, 15773), (628, 15782), (642, 15806), (652, 15836), (718, 15941), (722, 15953), (738, 15989), (754, 16028), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (864, 16334), (865, 16337), (881, 16379), (886, 16409), (899, 16451), (900, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Gizermo_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 149

Candidate Starts for Gladiator_31:

(98, 19897), (Start: 128 @19939 has 37 MA's), (Start: 149 @19963 has 636 MA's), (285, 20200), (314, 20272), (315, 20275), (319, 20290), (336, 20329), (339, 20335), (389, 20446), (393, 20452), (405, 20491), (428, 20533), (455, 20572), (472, 20614), (476, 20617), (542, 20773), (603, 20914), (609, 20929), (697, 21142), (744, 21241), (753, 21268), (771, 21319), (774, 21328), (785, 21367), (786, 21370), (813, 21466), (859, 21571), (861, 21577), (899, 21712),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for Glaske_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891), (458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 196

Candidate Starts for Glexan_22:

(Start: 134 @19362 has 130 MA's), (Start: 196 @19446 has 48 MA's), (Start: 246 @19524 has 1 MA's), (280, 19611), (286, 19626), (305, 19674), (320, 19713), (361, 19800), (377, 19833), (394,

19869), (402, 19899), (405, 19905), (458, 19974), (477, 20004), (481, 20016), (482, 20019), (512, 20076), (575, 20208), (578, 20214), (602, 20280), (604, 20286), (612, 20310), (628, 20358), (642, 20382), (647, 20391), (672, 20466), (721, 20517), (726, 20532), (786, 20694), (792, 20721), (801, 20751), (843, 20856), (879, 20934), (886, 20970), (889, 20979), (899, 21012), (906, 21027),

Gene: GodSpeed_19 Start: 16845, Stop: 18557, Start Num: 151

Candidate Starts for GodSpeed_19:

(Start: 137 @16833 has 56 MA's), (Start: 151 @16845 has 225 MA's), (205, 16905), (273, 17040), (301, 17115), (315, 17166), (319, 17181), (333, 17211), (335, 17217), (358, 17271), (408, 17391), (459, 17487), (463, 17496), (475, 17529), (477, 17535), (496, 17574), (509, 17598), (512, 17610), (532, 17655), (536, 17661), (574, 17700), (628, 17841), (653, 17898), (669, 17946), (679, 17973), (735, 18063), (746, 18081), (791, 18228), (811, 18294), (884, 18468), (903, 18534),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 215

Candidate Starts for GodonK_89:

(Start: 215 @52336 has 57 MA's), (Start: 220 @52342 has 1 MA's), (263, 52426), (286, 52495), (299, 52525), (301, 52528), (311, 52558), (327, 52597), (402, 52768), (411, 52792), (418, 52810), (428, 52828), (453, 52858), (481, 52924), (482, 52927), (502, 52960), (522, 53017), (526, 53032), (527, 53035), (528, 53038), (573, 53110), (579, 53125), (586, 53140), (593, 53161), (598, 53176), (655, 53320), (660, 53341), (667, 53356), (724, 53434), (736, 53461), (740, 53467), (762, 53527), (777, 53572), (792, 53629), (794, 53638), (801, 53659), (862, 53797), (864, 53806),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 134

Candidate Starts for Goku_24:

(Start: 134 @19460 has 130 MA's), (Start: 196 @19544 has 48 MA's), (Start: 246 @19622 has 1 MA's), (280, 19709), (286, 19724), (305, 19772), (320, 19811), (361, 19898), (377, 19931), (394, 19967), (402, 19997), (405, 20003), (458, 20072), (477, 20102), (481, 20114), (482, 20117), (512, 20174), (575, 20306), (578, 20312), (602, 20378), (604, 20384), (612, 20408), (628, 20456), (642, 20480), (647, 20489), (672, 20564), (721, 20615), (726, 20630), (786, 20792), (792, 20819), (801, 20849), (843, 20954), (879, 21032), (886, 21068), (889, 21077), (899, 21110), (906, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 139

Candidate Starts for GoldHunter_19:

(Start: 139 @15730 has 9 MA's), (Start: 149 @15733 has 636 MA's), (274, 15943), (315, 16066), (335, 16117), (373, 16204), (378, 16213), (388, 16234), (395, 16249), (398, 16261), (441, 16339), (449, 16351), (463, 16378), (475, 16411), (487, 16444), (496, 16456), (514, 16498), (584, 16621), (611, 16693), (653, 16771), (657, 16786), (664, 16804), (684, 16861), (731, 16954), (748, 16990), (753, 17002), (755, 17008), (760, 17020), (769, 17029), (794, 17101), (795, 17104), (797, 17110), (801, 17122), (824, 17182), (842, 17227), (847, 17236), (861, 17269), (881, 17335),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for GoldenAsh_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 134

Candidate Starts for GoldenSpark_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394,

20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 134

Candidate Starts for Goldilocks_25:

(Start: 134 @19156 has 130 MA's), (Start: 196 @19240 has 48 MA's), (Start: 246 @19318 has 1 MA's), (280, 19405), (286, 19420), (305, 19468), (320, 19507), (361, 19594), (377, 19627), (394, 19663), (402, 19693), (405, 19699), (458, 19768), (477, 19798), (481, 19810), (482, 19813), (512, 19870), (575, 20002), (578, 20008), (602, 20074), (604, 20080), (612, 20104), (628, 20152), (642, 20176), (647, 20185), (672, 20260), (721, 20311), (726, 20326), (786, 20488), (792, 20515), (801, 20545), (843, 20650), (879, 20728), (886, 20764), (889, 20773), (899, 20806), (906, 20821),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Gollum_23:

(Start: 163 @16334 has 3 MA's), (Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 137

Candidate Starts for Gomashi_18:

(Start: 111 @16641 has 26 MA's), (Start: 137 @16650 has 56 MA's), (143, 16656), (147, 16662), (238, 16794), (262, 16845), (273, 16875), (280, 16899), (315, 17001), (331, 17040), (333, 17046), (339, 17061), (358, 17106), (408, 17226), (429, 17283), (459, 17322), (477, 17370), (487, 17397), (496, 17409), (532, 17490), (574, 17535), (653, 17733), (662, 17763), (669, 17781), (679, 17808), (722, 17892), (735, 17910), (745, 17925), (761, 17973), (765, 17988), (786, 18051), (801, 18108), (813, 18147), (831, 18189), (862, 18240), (889, 18336), (910, 18396),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 151

Candidate Starts for Gompeii16_27:

(Start: 151 @21590 has 225 MA's), (Start: 167 @21611 has 5 MA's), (Start: 195 @21653 has 1 MA's), (228, 21698), (315, 21914), (333, 21959), (336, 21968), (377, 22058), (378, 22061), (389, 22085), (476, 22256), (510, 22325), (593, 22526), (594, 22529), (601, 22550), (652, 22646), (653, 22649), (655, 22655), (679, 22724), (684, 22742), (686, 22751), (697, 22781), (731, 22877), (747, 22910), (753, 22925), (795, 23066), (813, 23123), (861, 23234),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 128

Candidate Starts for Gonephishing_32:

(Start: 128 @25229 has 37 MA's), (Start: 196 @25319 has 48 MA's), (199, 25322), (257, 25424), (280, 25490), (294, 25526), (307, 25556), (312, 25571), (346, 25655), (363, 25691), (377, 25718), (395, 25757), (405, 25790), (408, 25799), (455, 25856), (472, 25898), (509, 25973), (512, 25985), (531, 26045), (535, 26051), (561, 26099), (575, 26129), (583, 26147), (588, 26156), (598, 26189), (602, 26201), (604, 26207), (616, 26246), (642, 26303), (726, 26453), (733, 26471), (753, 26513), (761, 26537), (762, 26540), (766, 26555), (777, 26585), (786, 26615), (801, 26672), (867, 26822), (906, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 134

Candidate Starts for GooberAzure_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394,

20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 149

Candidate Starts for Goose_27:

(Start: 128 @19762 has 37 MA's), (Start: 149 @19786 has 636 MA's), (Start: 195 @19843 has 1 MA's), (205, 19858), (238, 19912), (280, 20014), (284, 20026), (285, 20029), (315, 20104), (319, 20119), (336, 20158), (389, 20275), (397, 20293), (428, 20362), (470, 20437), (487, 20476), (510, 20515), (542, 20602), (553, 20632), (560, 20647), (587, 20695), (601, 20740), (606, 20752), (609, 20758), (652, 20836), (653, 20839), (684, 20932), (686, 20941), (692, 20965), (697, 20971), (700, 20986), (718, 21019), (744, 21070), (749, 21088), (763, 21127), (764, 21133), (795, 21238), (813, 21295), (826, 21319), (828, 21325), (859, 21400), (861, 21406), (862, 21415), (899, 21541),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Gorge_16:

(Start: 129 @14790 has 222 MA's), (199, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (265, 15003), (283, 15051), (286, 15057), (292, 15075), (305, 15105), (350, 15210), (376, 15264), (379, 15270), (383, 15279), (394, 15300), (401, 15324), (413, 15360), (415, 15366), (453, 15399), (455, 15402), (460, 15411), (467, 15426), (469, 15432), (475, 15450), (480, 15465), (482, 15471), (490, 15489), (493, 15492), (504, 15507), (511, 15522), (512, 15528), (526, 15576), (531, 15588), (535, 15594), (539, 15600), (574, 15654), (579, 15666), (593, 15702), (597, 15714), (624, 15789), (628, 15798), (638, 15816), (642, 15822), (652, 15852), (718, 15957), (722, 15969), (738, 16005), (766, 16083), (801, 16203), (811, 16236), (826, 16266), (829, 16278), (835, 16296), (839, 16302), (841, 16305), (844, 16311), (859, 16326), (860, 16329), (864, 16350), (865, 16353), (881, 16395), (886, 16425), (899, 16467), (900, 16473),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 151

Candidate Starts for Graduation_29:

(Start: 151 @21859 has 225 MA's), (Start: 167 @21880 has 5 MA's), (Start: 195 @21922 has 1 MA's), (228, 21967), (315, 22183), (333, 22228), (336, 22237), (353, 22276), (377, 22327), (378, 22330), (476, 22525), (510, 22594), (593, 22795), (594, 22798), (601, 22819), (652, 22915), (653, 22918), (655, 22924), (679, 22993), (684, 23011), (686, 23020), (697, 23050), (731, 23146), (747, 23179), (753, 23194), (795, 23335), (813, 23392),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 168

Candidate Starts for GrandSlam_22:

(103, 17803), (Start: 168 @17878 has 17 MA's), (Start: 233 @17971 has 2 MA's), (238, 17986), (241, 17992), (273, 18067), (295, 18139), (334, 18250), (354, 18295), (361, 18313), (365, 18325), (455, 18496), (460, 18505), (463, 18511), (506, 18607), (523, 18658), (601, 18781), (614, 18820), (667, 18952), (721, 19066), (761, 19153), (794, 19267), (797, 19276), (835, 19381), (877, 19468), (910, 19576),

Gene: Gratitude_29 Start: 20632, Stop: 22428, Start Num: 128

Candidate Starts for Gratitude_29:

(Start: 128 @20632 has 37 MA's), (Start: 149 @20656 has 636 MA's), (245, 20791), (284, 20890), (285, 20893), (314, 20965), (315, 20968), (336, 21022), (339, 21028), (366, 21091), (389, 21139), (401, 21172), (428, 21226), (472, 21307), (476, 21310), (487, 21340), (553, 21496), (594, 21583), (653, 21703), (691, 21826), (692, 21829), (697, 21835), (718, 21883), (747, 21946), (753, 21961), (755, 21967), (774, 22021), (785, 22060), (788, 22075), (797, 22108), (811, 22153), (859, 22264), (861, 22270), (876, 22324),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 116

Candidate Starts for Gravaillia_22:

(58, 16959), (Start: 116 @17133 has 42 MA's), (Start: 121 @17142 has 18 MA's), (193, 17235), (Start: 213 @17259 has 1 MA's), (219, 17271), (Start: 233 @17292 has 2 MA's), (238, 17307), (272, 17385), (294, 17457), (323, 17547), (345, 17601), (360, 17631), (363, 17640), (373, 17661), (401, 17727), (411, 17754), (425, 17787), (445, 17805), (459, 17823), (460, 17826), (467, 17841), (468, 17844), (496, 17910), (499, 17913), (523, 17979), (564, 18003), (598, 18090), (615, 18144), (643, 18189), (646, 18195), (653, 18222), (668, 18267), (715, 18360), (718, 18369), (761, 18447), (804, 18591), (809, 18609), (813, 18621), (822, 18636), (824, 18639), (831, 18660), (864, 18720), (875, 18753), (877, 18759), (879, 18762), (895, 18828), (910, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 107

Candidate Starts for GreaseLightnin_19:

(Start: 107 @16367 has 2 MA's), (Start: 122 @16391 has 48 MA's), (Start: 170 @16451 has 41 MA's), (183, 16472), (185, 16475), (260, 16595), (274, 16634), (284, 16667), (294, 16691), (344, 16811), (361, 16850), (363, 16856), (399, 16940), (401, 16946), (405, 16958), (413, 16982), (442, 17009), (458, 17027), (473, 17066), (475, 17072), (483, 17096), (512, 17150), (516, 17162), (518, 17171), (545, 17231), (583, 17309), (597, 17348), (609, 17381), (628, 17447), (636, 17462), (642, 17471), (650, 17495), (660, 17525), (667, 17537), (733, 17639), (741, 17651), (744, 17654), (746, 17660), (748, 17669), (784, 17777), (807, 17861), (852, 17960), (889, 18068), (906, 18116),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 151

Candidate Starts for GrecoEtereo_29:

(Start: 151 @21899 has 225 MA's), (Start: 167 @21920 has 5 MA's), (Start: 195 @21962 has 1 MA's), (228, 22007), (315, 22223), (333, 22268), (336, 22277), (353, 22316), (377, 22367), (378, 22370), (476, 22565), (510, 22634), (593, 22835), (594, 22838), (601, 22859), (652, 22955), (653, 22958), (655, 22964), (679, 23033), (684, 23051), (686, 23060), (697, 23090), (731, 23186), (747, 23219), (753, 23234), (795, 23375), (813, 23432), (861, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for GreedyLawyer_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (405, 20504), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: Greep_25 Start: 20150, Stop: 21745, Start Num: 196

Candidate Starts for Greep_25:

(Start: 134 @20066 has 130 MA's), (Start: 196 @20150 has 48 MA's), (Start: 246 @20228 has 1 MA's), (280, 20315), (286, 20330), (305, 20378), (320, 20417), (361, 20504), (377, 20537), (394, 20573), (402, 20603), (405, 20609), (458, 20678), (477, 20708), (481, 20720), (482, 20723), (512, 20780), (575, 20912), (578, 20918), (602, 20984), (604, 20990), (612, 21014), (628, 21062), (642, 21086), (647, 21095), (672, 21170), (721, 21221), (726, 21236), (786, 21398), (792, 21425), (801, 21455), (843, 21560), (879, 21638), (886, 21674), (889, 21683), (899, 21716), (906, 21731),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 151

Candidate Starts for Greg_29:

(Start: 151 @21405 has 225 MA's), (Start: 167 @21426 has 5 MA's), (Start: 195 @21468 has 1 MA's), (228, 21513), (315, 21729), (333, 21774), (336, 21783), (377, 21873), (378, 21876), (476, 22071), (510, 22140), (593, 22341), (594, 22344), (601, 22365), (652, 22461), (653, 22464), (655, 22470), (679, 22539), (684, 22557), (686, 22566), (697, 22596), (731, 22692), (747, 22725), (753, 22740), (795, 22881), (813, 22938), (861, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 149

Candidate Starts for Grif_29:

(Start: 149 @20462 has 636 MA's), (Start: 195 @20519 has 1 MA's), (205, 20534), (238, 20588), (245, 20603), (280, 20690), (284, 20702), (285, 20705), (315, 20780), (319, 20795), (335, 20831), (428, 21038), (510, 21191), (542, 21278), (593, 21392), (601, 21416), (609, 21434), (653, 21515), (679, 21590), (684, 21608), (692, 21641), (697, 21647), (706, 21686), (730, 21740), (731, 21743), (744, 21764), (763, 21821), (813, 21989), (859, 22094), (861, 22100), (899, 22235),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 129

Candidate Starts for Grimmer_17:

(Start: 129 @15467 has 222 MA's), (199, 15554), (Start: 233 @15599 has 2 MA's), (242, 15623), (253, 15644), (283, 15728), (286, 15734), (292, 15752), (305, 15782), (350, 15887), (379, 15947), (383, 15956), (389, 15968), (394, 15977), (399, 15995), (401, 16001), (415, 16043), (453, 16076), (460, 16088), (467, 16103), (469, 16109), (475, 16127), (480, 16142), (482, 16148), (493, 16169), (504, 16184), (506, 16187), (511, 16199), (512, 16205), (526, 16253), (531, 16265), (535, 16271), (574, 16331), (579, 16343), (593, 16379), (597, 16391), (604, 16412), (624, 16466), (628, 16475), (638, 16493), (642, 16499), (652, 16529), (718, 16634), (721, 16643), (722, 16646), (738, 16682), (754, 16721), (766, 16760), (794, 16859), (801, 16880), (811, 16913), (826, 16943), (835, 16973), (841, 16982), (844, 16988), (859, 17003), (860, 17006), (864, 17027), (865, 17030), (881, 17072), (899, 17144), (900, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 111

Candidate Starts for Grizzly_18:

(57, 16439), (Start: 111 @16643 has 26 MA's), (Start: 137 @16652 has 56 MA's), (143, 16658), (147, 16664), (205, 16742), (238, 16796), (262, 16847), (273, 16877), (280, 16901), (288, 16922), (315, 17003), (331, 17042), (333, 17048), (339, 17063), (358, 17108), (408, 17228), (429, 17285), (459, 17324), (475, 17366), (477, 17372), (487, 17399), (496, 17411), (532, 17492), (574, 17537), (593, 17585), (653, 17735), (662, 17765), (669, 17783), (679, 17810), (735, 17912), (745, 17927), (761, 17975), (765, 17990), (786, 18053), (801, 18110), (813, 18149), (831, 18191), (862, 18242), (889, 18338), (910, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 170

Candidate Starts for GrootJr_43:

(Start: 170 @30207 has 41 MA's), (Start: 200 @30243 has 1 MA's), (212, 30261), (Start: 246 @30321 has 1 MA's), (338, 30561), (343, 30573), (347, 30588), (381, 30654), (388, 30669), (399, 30693), (400, 30696), (435, 30780), (454, 30810), (456, 30813), (501, 30870), (518, 30918), (519, 30921), (525, 30942), (587, 31047), (602, 31092), (626, 31134), (717, 31308), (727, 31338), (731, 31344), (779, 31452), (780, 31455), (801, 31530), (886, 31749), (905, 31806),

Gene: GroundGoblin_29 Start: 22423, Stop: 24225, Start Num: 151

Candidate Starts for GroundGoblin_29:

(Start: 151 @22423 has 225 MA's), (Start: 167 @22444 has 5 MA's), (Start: 195 @22486 has 1 MA's), (228, 22531), (315, 22747), (333, 22792), (336, 22801), (353, 22840), (377, 22891), (378, 22894), (476, 23089), (510, 23158), (593, 23359), (594, 23362), (601, 23383), (652, 23479), (653, 23482), (655, 23488), (679, 23557), (684, 23575), (686, 23584), (697, 23614), (731, 23710), (747, 23743), (753, 23758), (763, 23788), (795, 23899), (813, 23956), (861, 24067), (907, 24220),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 149

Candidate Starts for Groundhog_23:

(Start: 128 @18597 has 37 MA's), (Start: 149 @18621 has 636 MA's), (226, 18714), (Start: 246 @18759 has 1 MA's), (285, 18858), (302, 18894), (315, 18933), (319, 18948), (335, 18984), (389, 19104), (393, 19110), (455, 19230), (514, 19359), (542, 19431), (593, 19545), (684, 19761), (692,

19794), (731, 19896), (747, 19929), (753, 19944), (763, 19974), (858, 20244), (861, 20253), (862, 20262), (895, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Groupthink_30:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (587, 21369), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (700, 21660), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for Grub_29:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 149

Candidate Starts for Grum1_29:

(Start: 149 @20375 has 636 MA's), (Start: 195 @20432 has 1 MA's), (205, 20447), (231, 20480), (238, 20501), (245, 20516), (280, 20603), (284, 20615), (285, 20618), (315, 20693), (319, 20708), (335, 20744), (391, 20867), (428, 20951), (487, 21065), (510, 21104), (542, 21191), (593, 21305), (601, 21329), (609, 21347), (653, 21428), (679, 21503), (684, 21521), (692, 21554), (697, 21560), (706, 21599), (730, 21653), (731, 21656), (744, 21677), (777, 21776), (859, 22007), (861, 22013), (899, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 149

Candidate Starts for Gruunaga_31:

(98, 19897), (Start: 128 @19939 has 37 MA's), (Start: 149 @19963 has 636 MA's), (285, 20200), (314, 20272), (315, 20275), (319, 20290), (336, 20329), (339, 20335), (389, 20446), (393, 20452), (405, 20491), (428, 20533), (455, 20572), (472, 20614), (476, 20617), (542, 20773), (603, 20914), (609, 20929), (697, 21142), (744, 21241), (753, 21268), (771, 21319), (774, 21328), (785, 21367), (786, 21370), (813, 21466), (859, 21571), (861, 21577), (899, 21712),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for GtownJaz_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 215

Candidate Starts for Guacamole_19:

(187, 16618), (Start: 215 @16654 has 57 MA's), (266, 16756), (296, 16834), (298, 16837), (340, 16933), (357, 16972), (392, 17053), (410, 17107), (415, 17122), (512, 17293), (521, 17323), (604, 17506), (612, 17530), (613, 17533), (625, 17581), (659, 17674), (664, 17686), (682, 17731), (713, 17746), (762, 17878), (763, 17881), (792, 17980), (797, 17998), (813, 18049), (842, 18115), (871, 18178), (876, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 118

Candidate Starts for Guanica15_23:

(Start: 118 @16380 has 152 MA's), (Start: 121 @16386 has 18 MA's), (143, 16410), (Start: 246 @16569 has 1 MA's), (262, 16602), (273, 16632), (274, 16635), (283, 16665), (288, 16677), (317, 16767), (335, 16809), (365, 16881), (369, 16890), (389, 16929), (405, 16974), (412, 16995), (413, 16998), (459, 17070), (475, 17112), (477, 17118), (487, 17145), (574, 17283), (582, 17301), (597, 17343), (603, 17361), (614, 17391), (669, 17523), (715, 17613), (762, 17718), (773, 17748), (795, 17832), (811, 17883), (862, 17982), (889, 18078), (900, 18117), (901, 18120), (910, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 179

Candidate Starts for Gudmit_18:

(Start: 170 @15543 has 41 MA's), (Start: 179 @15558 has 33 MA's), (295, 15822), (319, 15876), (347, 15945), (356, 15957), (368, 15987), (388, 16035), (437, 16161), (478, 16245), (485, 16266), (491, 16278), (509, 16308), (526, 16368), (568, 16416), (601, 16494), (626, 16533), (637, 16551), (653, 16587), (666, 16629), (681, 16665), (685, 16686), (686, 16689), (749, 16782), (796, 16935), (801, 16950), (809, 16977), (849, 17073), (864, 17121), (873, 17151), (890, 17211),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 141

Candidate Starts for Guey18_58:

(61, 28937), (63, 28946), (64, 28952), (Start: 92 @29054 has 4 MA's), (108, 29084), (Start: 141 @29129 has 6 MA's), (241, 29270), (302, 29429), (319, 29483), (389, 29639), (439, 29738), (467, 29786), (499, 29858), (553, 29948), (614, 30086), (684, 30245), (712, 30296), (713, 30299), (717, 30311), (753, 30386), (758, 30401), (794, 30485), (824, 30566), (866, 30677), (896, 30782), (901, 30800),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Guillsminger_21:

(Start: 121 @17495 has 18 MA's), (124, 17501), (Start: 145 @17525 has 2 MA's), (Start: 171 @17558 has 8 MA's), (205, 17606), (238, 17660), (262, 17711), (283, 17774), (319, 17882), (365, 17990), (412, 18104), (413, 18107), (428, 18146), (445, 18161), (455, 18173), (459, 18179), (475, 18221), (477, 18227), (496, 18266), (509, 18290), (574, 18392), (598, 18455), (613, 18500), (669, 18635), (718, 18734), (753, 18812), (761, 18836), (763, 18842), (768, 18857), (795, 18953), (797, 18959), (864, 19112), (894, 19217), (895, 19220), (900, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 208

Candidate Starts for Gustav_18:

(Start: 208 @15136 has 12 MA's), (Start: 213 @15142 has 1 MA's), (236, 15181), (260, 15232), (261, 15235), (271, 15265), (327, 15412), (360, 15481), (404, 15586), (414, 15616), (470, 15703), (483, 15742), (509, 15784), (531, 15856), (551, 15889), (556, 15901), (579, 15940), (593, 15976), (594, 15979), (601, 16000), (615, 16042), (638, 16084), (667, 16159), (671, 16177), (678, 16189), (679, 16192), (753, 16303), (758, 16318), (761, 16327), (777, 16375), (861, 16585), (890, 16693),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 102

Candidate Starts for Gustavo_34:

(Start: 102 @29639 has 86 MA's), (Start: 126 @29675 has 1 MA's), (223, 29804), (231, 29813), (272, 29909), (275, 29918), (297, 29987), (315, 30038), (317, 30047), (333, 30083), (339, 30098), (345, 30116), (377, 30179), (397, 30224), (399, 30233), (463, 30344), (467, 30353), (472, 30368), (480, 30392), (496, 30422), (609, 30644), (616, 30662), (620, 30677), (652, 30719), (660, 30749), (703, 30869), (749, 30962), (795, 31073), (796, 31076), (811, 31124), (824, 31151), (833, 31178), (859, 31232),

Gene: Gwendoluna_29 Start: 22990, Stop: 24792, Start Num: 151

Candidate Starts for Gwendoluna_29:

(Start: 151 @22990 has 225 MA's), (Start: 167 @23011 has 5 MA's), (Start: 195 @23053 has 1 MA's), (228, 23098), (315, 23314), (333, 23359), (336, 23368), (353, 23407), (377, 23458), (378, 23461), (476, 23656), (510, 23725), (593, 23926), (594, 23929), (601, 23950), (652, 24046), (653, 24049), (655, 24055), (679, 24124), (684, 24142), (686, 24151), (697, 24181), (731, 24277), (747, 24310), (753, 24325), (795, 24466), (813, 24523), (861, 24634),

Gene: Gwennie_28 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for Gwennie_28:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 151

Candidate Starts for Gyzlar_29:

(Start: 151 @22353 has 225 MA's), (Start: 167 @22374 has 5 MA's), (Start: 195 @22416 has 1 MA's), (228, 22461), (315, 22677), (333, 22722), (336, 22731), (353, 22770), (377, 22821), (378, 22824), (476, 23019), (510, 23088), (593, 23289), (594, 23292), (601, 23313), (652, 23409), (653, 23412), (655, 23418), (679, 23487), (684, 23505), (686, 23514), (697, 23544), (731, 23640), (747, 23673), (753, 23688), (795, 23829), (813, 23886), (861, 23997),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 137

Candidate Starts for HC_19:

(Start: 137 @16486 has 56 MA's), (Start: 214 @16585 has 22 MA's), (219, 16594), (254, 16660), (264, 16684), (284, 16744), (286, 16747), (297, 16774), (376, 16954), (388, 16978), (394, 16990), (401, 17014), (475, 17140), (480, 17155), (483, 17164), (506, 17200), (512, 17218), (618, 17470), (624, 17479), (642, 17512), (721, 17656), (741, 17701), (777, 17803), (779, 17812), (784, 17830), (785, 17833), (813, 17932), (835, 17992), (846, 18010), (859, 18046), (862, 18061), (879, 18109), (896, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for HH92_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 149

Candidate Starts for HINdeR_27:

(70, 22575), (87, 22620), (Start: 128 @22701 has 37 MA's), (Start: 138 @22713 has 1 MA's), (Start: 149 @22725 has 636 MA's), (192, 22770), (207, 22791), (231, 22821), (284, 22956), (285, 22959), (315, 23034), (336, 23088), (393, 23211), (395, 23217), (405, 23250), (428, 23292), (476, 23376), (487, 23406), (506, 23436), (554, 23562), (593, 23643), (609, 23685), (652, 23781), (653, 23784), (657, 23799), (679, 23859), (684, 23877), (686, 23886), (692, 23910), (697, 23916), (730, 24009), (731, 24012), (741, 24030), (747, 24045), (753, 24060), (764, 24096), (794, 24198), (861, 24369),

(890, 24474), (906, 24519),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for HUHilltop_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 129

Candidate Starts for Hades_16:

(Start: 129 @14815 has 222 MA's), (199, 14902), (Start: 233 @14947 has 2 MA's), (242, 14971), (283, 15076), (286, 15082), (292, 15100), (305, 15130), (350, 15235), (379, 15295), (389, 15316), (394, 15325), (401, 15349), (475, 15475), (480, 15490), (482, 15496), (504, 15532), (506, 15535), (511, 15547), (512, 15553), (526, 15601), (531, 15613), (535, 15619), (574, 15679), (579, 15691), (593, 15727), (597, 15739), (624, 15814), (628, 15823), (638, 15841), (642, 15847), (652, 15877), (718, 15982), (721, 15991), (722, 15994), (738, 16030), (766, 16108), (794, 16207), (801, 16228), (811, 16261), (826, 16291), (835, 16321), (841, 16330), (844, 16336), (859, 16351), (860, 16354), (865, 16378), (876, 16408), (881, 16420), (886, 16450), (899, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Hadrien_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Hail_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Haley23_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849,

16273), (864, 16321), (873, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 137

Candidate Starts for Halo_18:

(Start: 111 @16635 has 26 MA's), (Start: 137 @16644 has 56 MA's), (143, 16650), (147, 16656), (238, 16788), (262, 16839), (273, 16869), (280, 16893), (315, 16995), (331, 17034), (333, 17040), (339, 17055), (358, 17100), (408, 17220), (429, 17277), (459, 17316), (477, 17364), (487, 17391), (496, 17403), (532, 17484), (574, 17529), (653, 17727), (662, 17757), (669, 17775), (679, 17802), (722, 17886), (735, 17904), (745, 17919), (761, 17967), (765, 17982), (786, 18045), (801, 18102), (813, 18141), (831, 18183), (862, 18234), (889, 18330), (910, 18390),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 102

Candidate Starts for Halo3_32:

(85, 26244), (Start: 102 @26286 has 86 MA's), (Start: 126 @26322 has 1 MA's), (Start: 153 @26355 has 10 MA's), (274, 26565), (275, 26568), (284, 26598), (307, 26664), (315, 26688), (317, 26697), (332, 26730), (399, 26883), (416, 26922), (453, 26973), (460, 26985), (467, 27003), (471, 27015), (475, 27027), (480, 27042), (496, 27072), (499, 27075), (509, 27096), (554, 27168), (579, 27216), (620, 27327), (649, 27360), (660, 27399), (663, 27402), (686, 27474), (715, 27540), (719, 27552), (795, 27723), (796, 27726), (811, 27774), (824, 27801), (833, 27828), (859, 27882), (890, 27999), (896, 28020), (907, 28047),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for HamSlice_26:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: Hami1_29 Start: 21499, Stop: 23301, Start Num: 151

Candidate Starts for Hami1_29:

(Start: 151 @21499 has 225 MA's), (Start: 167 @21520 has 5 MA's), (Start: 195 @21562 has 1 MA's), (228, 21607), (315, 21823), (333, 21868), (336, 21877), (353, 21916), (377, 21967), (378, 21970), (476, 22165), (510, 22234), (593, 22435), (594, 22438), (601, 22459), (652, 22555), (653, 22558), (655, 22564), (684, 22651), (686, 22660), (697, 22690), (731, 22786), (747, 22819), (753, 22834), (795, 22975), (813, 23032), (861, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 149

Candidate Starts for Hammer_31:

(98, 19912), (Start: 128 @19954 has 37 MA's), (Start: 149 @19978 has 636 MA's), (285, 20215), (314, 20287), (315, 20290), (319, 20305), (336, 20344), (339, 20350), (389, 20461), (393, 20467), (405, 20506), (428, 20548), (455, 20587), (472, 20629), (476, 20632), (542, 20788), (603, 20929), (609, 20944), (697, 21157), (753, 21283), (771, 21334), (774, 21343), (785, 21382), (786, 21385), (859, 21586), (861, 21592), (899, 21727),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 118

Candidate Starts for Hammy_22:

(Start: 95 @17533 has 1 MA's), (Start: 111 @17563 has 26 MA's), (Start: 118 @17572 has 152 MA's), (143, 17602), (Start: 233 @17728 has 2 MA's), (238, 17743), (262, 17794), (283, 17857), (288, 17869), (294, 17887), (317, 17959), (333, 17995), (335, 18001), (369, 18082), (408, 18175), (412, 18187), (413, 18190), (427, 18226), (459, 18262), (475, 18304), (477, 18310), (487, 18337), (509, 18373),

(582, 18493), (614, 18583), (628, 18610), (649, 18655), (669, 18715), (691, 18790), (718, 18814), (749, 18874), (762, 18910), (773, 18940), (795, 19024), (811, 19075), (864, 19183), (900, 19309), (901, 19312), (910, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 168

Candidate Starts for Hamood_22:

(103, 17803), (Start: 168 @17878 has 17 MA's), (Start: 233 @17971 has 2 MA's), (238, 17986), (241, 17992), (273, 18067), (295, 18139), (334, 18250), (354, 18295), (361, 18313), (365, 18325), (455, 18496), (460, 18505), (463, 18511), (506, 18607), (523, 18658), (601, 18781), (614, 18820), (667, 18952), (721, 19066), (761, 19153), (794, 19267), (797, 19276), (835, 19381), (877, 19468), (910, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Hamulus_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (379, 15292), (388, 15310), (389, 15313), (394, 15322), (399, 15340), (401, 15346), (453, 15421), (455, 15424), (475, 15472), (480, 15487), (482, 15493), (504, 15529), (506, 15532), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (721, 15988), (722, 15991), (738, 16027), (766, 16105), (794, 16204), (801, 16225), (811, 16258), (826, 16288), (835, 16318), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (865, 16375), (876, 16405), (881, 16417), (886, 16447), (899, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 134

Candidate Starts for HanKaySha_25:

(Start: 134 @19488 has 130 MA's), (Start: 196 @19572 has 48 MA's), (Start: 246 @19650 has 1 MA's), (280, 19737), (286, 19752), (305, 19800), (320, 19839), (361, 19926), (377, 19959), (394, 19995), (402, 20025), (405, 20031), (458, 20100), (477, 20130), (481, 20142), (482, 20145), (512, 20202), (575, 20334), (578, 20340), (602, 20406), (604, 20412), (612, 20436), (628, 20484), (642, 20508), (647, 20517), (672, 20592), (721, 20643), (726, 20658), (786, 20820), (792, 20847), (801, 20877), (843, 20982), (879, 21060), (886, 21096), (889, 21105), (899, 21138), (906, 21153),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 151

Candidate Starts for HanShotFirst_27:

(Start: 151 @21033 has 225 MA's), (Start: 167 @21054 has 5 MA's), (Start: 195 @21096 has 1 MA's), (228, 21141), (315, 21357), (333, 21402), (336, 21411), (377, 21501), (378, 21504), (416, 21597), (476, 21699), (510, 21768), (589, 21957), (593, 21969), (594, 21972), (601, 21993), (652, 22089), (653, 22092), (655, 22098), (679, 22167), (684, 22185), (686, 22194), (697, 22224), (731, 22320), (747, 22353), (753, 22368), (795, 22509), (813, 22566), (861, 22677),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Hanako_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 128

Candidate Starts for Hannaconda_31:

(Start: 128 @23714 has 37 MA's), (Start: 196 @23804 has 48 MA's), (199, 23807), (257, 23909), (280, 23975), (294, 24011), (307, 24041), (312, 24056), (346, 24140), (363, 24176), (377, 24203), (395, 24242), (405, 24275), (408, 24284), (455, 24341), (472, 24383), (509, 24458), (512, 24470), (531, 24530), (561, 24584), (575, 24614), (583, 24632), (588, 24641), (598, 24674), (602, 24686), (604, 24692), (616, 24731), (642, 24788), (726, 24938), (733, 24956), (753, 24998), (761, 25022), (762, 25025), (766, 25040), (777, 25070), (786, 25100), (801, 25157), (867, 25307), (901, 25427), (906, 25433),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 146

Candidate Starts for HannahD_19:

(78, 16527), (119, 16611), (Start: 146 @16647 has 12 MA's), (Start: 233 @16767 has 2 MA's), (267, 16851), (280, 16884), (290, 16917), (319, 17001), (405, 17202), (427, 17244), (453, 17280), (467, 17310), (475, 17334), (494, 17376), (509, 17403), (510, 17406), (547, 17460), (550, 17466), (589, 17553), (738, 17913), (748, 17937), (755, 17955), (795, 18051), (801, 18069), (863, 18228), (887, 18315), (895, 18342),

Gene: Hanray_29 Start: 21753, Stop: 23543, Start Num: 149

Candidate Starts for Hanray_29:

(Start: 146 @21750 has 12 MA's), (Start: 149 @21753 has 636 MA's), (284, 21987), (285, 21990), (314, 22062), (315, 22065), (319, 22080), (336, 22119), (339, 22125), (389, 22236), (428, 22323), (472, 22404), (476, 22407), (553, 22593), (587, 22656), (594, 22680), (596, 22686), (609, 22719), (653, 22800), (692, 22926), (705, 22968), (731, 23028), (747, 23061), (753, 23076), (785, 23175), (786, 23178), (788, 23190), (813, 23274), (842, 23340), (859, 23379), (861, 23385), (872, 23430), (889, 23487), (890, 23490),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 214

Candidate Starts for Hans_35:

(Start: 214 @29139 has 22 MA's), (222, 29151), (240, 29184), (244, 29193), (250, 29205), (263, 29235), (305, 29352), (310, 29364), (344, 29439), (370, 29499), (385, 29529), (483, 29736), (502, 29766), (518, 29811), (545, 29871), (574, 29919), (601, 29991), (613, 30024), (614, 30027), (633, 30066), (649, 30105), (678, 30192), (679, 30195), (740, 30273), (762, 30333), (777, 30378), (797, 30459), (815, 30513), (862, 30609), (899, 30738), (906, 30753),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 149

Candidate Starts for Happiness_27:

(Start: 128 @19809 has 37 MA's), (Start: 149 @19833 has 636 MA's), (Start: 195 @19890 has 1 MA's), (Start: 233 @19944 has 2 MA's), (238, 19959), (Start: 246 @19977 has 1 MA's), (280, 20061), (284, 20073), (285, 20076), (315, 20151), (319, 20166), (336, 20205), (389, 20322), (428, 20409), (472, 20490), (499, 20538), (510, 20562), (542, 20649), (560, 20694), (594, 20766), (601, 20787), (609, 20805), (684, 20979), (686, 20988), (692, 21012), (697, 21018), (702, 21042), (731, 21096), (744, 21117), (761, 21168), (770, 21192), (786, 21246), (813, 21342), (859, 21447), (862, 21462), (893, 21570), (899, 21588),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 196

Candidate Starts for Harella_23:

(Start: 134 @19878 has 130 MA's), (Start: 196 @19962 has 48 MA's), (Start: 246 @20040 has 1 MA's), (280, 20127), (286, 20142), (305, 20190), (320, 20229), (361, 20316), (377, 20349), (394, 20385), (402, 20415), (405, 20421), (458, 20490), (477, 20520), (481, 20532), (482, 20535), (512, 20592), (575, 20724), (578, 20730), (602, 20796), (604, 20802), (612, 20826), (628, 20874), (642, 20898), (647, 20907), (672, 20982), (721, 21033), (726, 21048), (786, 21210), (792, 21237), (801, 21267), (843, 21372), (879, 21450), (886, 21486), (889, 21495), (899, 21528), (906, 21543),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 172

Candidate Starts for Harlequin_23:

(Start: 163 @16284 has 3 MA's), (Start: 172 @16299 has 32 MA's), (203, 16341), (223, 16368), (241, 16404), (315, 16590), (368, 16719), (389, 16761), (399, 16788), (Start: 407 @16812 has 1 MA's), (416, 16830), (441, 16860), (451, 16875), (476, 16926), (514, 17010), (587, 17127), (594, 17151), (652, 17265), (668, 17313), (679, 17343), (689, 17382), (692, 17394), (718, 17424), (753, 17502), (809, 17649), (818, 17673), (833, 17709), (853, 17748), (906, 17916),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for Harley_16:

(Start: 129 @14800 has 222 MA's), (199, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (283, 15061), (286, 15067), (292, 15085), (305, 15115), (350, 15220), (379, 15280), (389, 15301), (394, 15310), (399, 15328), (401, 15334), (415, 15376), (453, 15409), (460, 15421), (467, 15436), (469, 15442), (475, 15460), (480, 15475), (482, 15481), (493, 15502), (504, 15517), (506, 15520), (511, 15532), (512, 15538), (526, 15586), (531, 15598), (535, 15604), (574, 15664), (579, 15676), (593, 15712), (597, 15724), (604, 15745), (624, 15799), (628, 15808), (638, 15826), (642, 15832), (718, 15967), (721, 15976), (722, 15979), (738, 16015), (754, 16054), (766, 16093), (794, 16192), (801, 16213), (811, 16246), (826, 16276), (835, 16306), (839, 16312), (841, 16315), (844, 16321), (859, 16336), (860, 16339), (864, 16360), (865, 16363), (881, 16405), (899, 16477), (900, 16483),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 149

Candidate Starts for HarryHoudini_30:

(Start: 128 @20649 has 37 MA's), (Start: 149 @20673 has 636 MA's), (245, 20808), (255, 20826), (284, 20907), (285, 20910), (314, 20982), (315, 20985), (336, 21039), (339, 21045), (366, 21108), (373, 21123), (389, 21156), (401, 21189), (428, 21243), (472, 21324), (476, 21327), (487, 21357), (553, 21513), (594, 21600), (653, 21720), (691, 21843), (692, 21846), (697, 21852), (718, 21900), (738, 21942), (747, 21963), (753, 21978), (755, 21984), (774, 22038), (785, 22077), (788, 22092), (797, 22125), (811, 22170), (859, 22281), (861, 22287), (864, 22305), (876, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 151

Candidate Starts for HarryOW_28:

(Start: 151 @21487 has 225 MA's), (Start: 167 @21508 has 5 MA's), (Start: 195 @21550 has 1 MA's), (228, 21595), (315, 21811), (333, 21856), (336, 21865), (353, 21904), (377, 21955), (378, 21958), (416, 22051), (476, 22153), (510, 22222), (593, 22423), (594, 22426), (601, 22447), (652, 22543), (653, 22546), (655, 22552), (679, 22621), (684, 22639), (686, 22648), (697, 22678), (731, 22774), (747, 22807), (753, 22822), (795, 22963), (813, 23020), (861, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 149

Candidate Starts for HashRod_30:

(Start: 149 @20466 has 636 MA's), (Start: 195 @20523 has 1 MA's), (205, 20538), (231, 20571), (238, 20592), (245, 20607), (280, 20694), (284, 20706), (285, 20709), (315, 20784), (319, 20799), (335, 20835), (391, 20958), (428, 21042), (487, 21156), (510, 21195), (542, 21282), (593, 21396), (601, 21420), (609, 21438), (653, 21519), (679, 21594), (684, 21612), (692, 21645), (697, 21651), (706, 21690), (730, 21744), (731, 21747), (744, 21768), (763, 21825), (813, 21993), (859, 22098), (861, 22104), (899, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 149

Candidate Starts for HaveUMetTed_30:

(Start: 149 @20453 has 636 MA's), (Start: 195 @20510 has 1 MA's), (205, 20525), (238, 20579), (245, 20594), (280, 20681), (284, 20693), (285, 20696), (315, 20771), (319, 20786), (428, 21029), (510, 21182), (542, 21269), (593, 21383), (601, 21407), (606, 21419), (609, 21425), (653, 21506), (679, 21581), (684, 21599), (686, 21608), (692, 21632), (697, 21638), (706, 21677), (730, 21731), (731, 21734), (744, 21755), (813, 21980), (859, 22085), (861, 22091), (899, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 149

Candidate Starts for Heathen_27:

(Start: 149 @19708 has 636 MA's), (Start: 195 @19768 has 1 MA's), (238, 19837), (280, 19939), (284, 19951), (285, 19954), (315, 20029), (319, 20044), (321, 20047), (336, 20083), (397, 20218), (428, 20287), (487, 20401), (542, 20527), (593, 20641), (601, 20665), (606, 20677), (609, 20683), (653, 20764), (679, 20839), (684, 20857), (686, 20866), (692, 20890), (697, 20896), (700, 20911), (715, 20953), (726, 20980), (730, 20989), (731, 20992), (744, 21013), (747, 21025), (813, 21238), (859, 21343), (861, 21349), (899, 21484),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 154

Candidate Starts for Hedwig_20:

(Start: 126 @16924 has 1 MA's), (Start: 154 @16954 has 7 MA's), (231, 17056), (253, 17107), (275, 17164), (290, 17215), (317, 17293), (319, 17299), (388, 17449), (453, 17572), (477, 17632), (494, 17668), (513, 17710), (547, 17752), (554, 17776), (571, 17806), (684, 18067), (713, 18142), (736, 18184), (755, 18229), (795, 18325), (796, 18328), (801, 18343), (863, 18502), (864, 18508), (890, 18595), (906, 18640),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 118

Candidate Starts for HedwigODU_23:

(Start: 118 @17157 has 152 MA's), (143, 17187), (Start: 246 @17346 has 1 MA's), (262, 17379), (273, 17409), (283, 17442), (288, 17454), (317, 17544), (335, 17586), (365, 17658), (369, 17667), (389, 17706), (405, 17751), (412, 17772), (413, 17775), (445, 17829), (459, 17847), (475, 17889), (477, 17895), (487, 17922), (574, 18060), (582, 18078), (597, 18120), (603, 18138), (614, 18168), (628, 18195), (669, 18300), (749, 18459), (762, 18495), (773, 18525), (776, 18534), (795, 18609), (811, 18660), (862, 18759), (889, 18855), (900, 18894), (901, 18897), (910, 18915),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 149

Candidate Starts for Heffalump_30:

(98, 21972), (Start: 128 @22014 has 37 MA's), (Start: 149 @22038 has 636 MA's), (284, 22272), (285, 22275), (314, 22347), (315, 22350), (336, 22404), (353, 22443), (373, 22488), (389, 22521), (428, 22608), (472, 22689), (476, 22692), (594, 22965), (653, 23085), (692, 23211), (718, 23265), (721, 23274), (731, 23295), (747, 23328), (753, 23343), (755, 23349), (774, 23403), (785, 23442), (788, 23457), (813, 23541), (861, 23652),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 121

Candidate Starts for Heftyboy_21:

(Start: 121 @17643 has 18 MA's), (124, 17649), (Start: 145 @17673 has 2 MA's), (Start: 171 @17706 has 8 MA's), (205, 17754), (238, 17808), (262, 17859), (283, 17922), (319, 18030), (365, 18138), (412, 18252), (413, 18255), (428, 18294), (445, 18309), (455, 18321), (459, 18327), (473, 18363), (475, 18369), (477, 18375), (496, 18414), (509, 18438), (574, 18540), (598, 18603), (613, 18648), (669, 18783), (718, 18882), (753, 18960), (761, 18984), (768, 19005), (775, 19023), (795, 19101), (797, 19107), (864, 19260), (894, 19365), (895, 19368), (900, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 129

Candidate Starts for Hegedechwinu_17:

(Start: 129 @14659 has 222 MA's), (199, 14746), (Start: 233 @14791 has 2 MA's), (242, 14815), (283, 14920), (286, 14926), (292, 14944), (305, 14974), (350, 15079), (379, 15139), (389, 15160), (394, 15169), (401, 15193), (475, 15319), (480, 15334), (482, 15340), (504, 15376), (506, 15379), (511, 15391), (512, 15397), (526, 15445), (531, 15457), (535, 15463), (574, 15523), (579, 15535), (593, 15571), (597, 15583), (624, 15658), (628, 15667), (638, 15685), (642, 15691), (652, 15721), (718, 15826), (721, 15835), (722, 15838), (738, 15874), (766, 15952), (794, 16051), (801, 16072), (811, 16105), (826, 16135), (835, 16165), (841, 16174), (844, 16180), (859, 16195), (860, 16198), (865,

16222), (876, 16252), (881, 16264), (886, 16294), (899, 16336),

Gene: Heinz_18 Start: 15040, Stop: 16656, Start Num: 208

Candidate Starts for Heinz_18:

(Start: 208 @15040 has 12 MA's), (261, 15139), (267, 15163), (310, 15274), (311, 15277), (317, 15295), (321, 15304), (353, 15370), (360, 15385), (363, 15394), (365, 15400), (404, 15490), (427, 15544), (439, 15553), (482, 15643), (508, 15685), (509, 15688), (522, 15733), (528, 15754), (565, 15811), (572, 15826), (574, 15832), (578, 15841), (586, 15859), (616, 15949), (624, 15964), (667, 16063), (671, 16081), (678, 16093), (721, 16132), (731, 16159), (753, 16207), (757, 16219), (761, 16231), (768, 16252), (773, 16264), (777, 16279), (786, 16309), (794, 16345), (862, 16498), (872, 16534), (889, 16594), (890, 16597), (896, 16618), (906, 16642),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 149

Candidate Starts for HelDan_27:

(Start: 149 @19960 has 636 MA's), (Start: 195 @20020 has 1 MA's), (238, 20089), (280, 20191), (284, 20203), (285, 20206), (315, 20281), (319, 20296), (321, 20299), (336, 20335), (397, 20470), (428, 20539), (487, 20653), (542, 20779), (593, 20893), (601, 20917), (606, 20929), (609, 20935), (653, 21016), (679, 21091), (684, 21109), (686, 21118), (692, 21142), (697, 21148), (700, 21163), (715, 21205), (726, 21232), (730, 21241), (731, 21244), (744, 21265), (747, 21277), (813, 21490), (859, 21595), (861, 21601), (899, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Heliosoles_29:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (587, 21369), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (700, 21660), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: Helmet_31 Start: 19977, Stop: 21749, Start Num: 149

Candidate Starts for Helmet_31:

(98, 19911), (Start: 128 @19953 has 37 MA's), (Start: 149 @19977 has 636 MA's), (285, 20214), (314, 20286), (315, 20289), (319, 20304), (336, 20343), (339, 20349), (389, 20460), (393, 20466), (405, 20505), (428, 20547), (455, 20586), (472, 20628), (476, 20631), (542, 20787), (603, 20928), (609, 20943), (697, 21156), (744, 21255), (753, 21282), (771, 21333), (774, 21342), (785, 21381), (786, 21384), (859, 21585), (861, 21591), (899, 21726),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 196

Candidate Starts for Henry_24:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 149

Candidate Starts for Herbertwm_25:

(98, 18729), (Start: 128 @18771 has 37 MA's), (Start: 149 @18795 has 636 MA's), (202, 18855), (245, 18930), (Start: 246 @18933 has 1 MA's), (255, 18948), (284, 19029), (285, 19032), (315, 19107), (319, 19122), (336, 19161), (366, 19230), (401, 19311), (428, 19365), (455, 19404), (472, 19446), (606, 19755), (731, 20070), (736, 20079), (753, 20118), (755, 20124), (761, 20142), (763, 20148), (785, 20217), (788, 20232), (849, 20394), (859, 20421), (899, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 149

Candidate Starts for Hercules11_29:

(Start: 149 @20386 has 636 MA's), (Start: 195 @20443 has 1 MA's), (205, 20458), (231, 20491), (238, 20512), (245, 20527), (280, 20614), (284, 20626), (285, 20629), (315, 20704), (319, 20719), (335, 20755), (428, 20962), (487, 21076), (510, 21115), (593, 21316), (601, 21340), (609, 21358), (653, 21439), (679, 21514), (684, 21532), (692, 21565), (697, 21571), (706, 21610), (730, 21664), (731, 21667), (744, 21688), (763, 21745), (813, 21913), (859, 22018), (861, 22024), (899, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 151

Candidate Starts for Hermia_30:

(Start: 151 @22615 has 225 MA's), (Start: 167 @22636 has 5 MA's), (Start: 195 @22678 has 1 MA's), (228, 22723), (315, 22939), (333, 22984), (336, 22993), (353, 23032), (377, 23083), (378, 23086), (476, 23281), (510, 23350), (593, 23551), (594, 23554), (601, 23575), (652, 23671), (653, 23674), (655, 23680), (679, 23749), (684, 23767), (686, 23776), (697, 23806), (731, 23902), (747, 23935), (753, 23950), (763, 23980), (795, 24091), (813, 24148), (861, 24259), (907, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 151

Candidate Starts for HermioneGrange_27:

(Start: 151 @21061 has 225 MA's), (Start: 167 @21082 has 5 MA's), (Start: 195 @21124 has 1 MA's), (228, 21169), (315, 21385), (333, 21430), (336, 21439), (377, 21529), (378, 21532), (416, 21625), (476, 21727), (510, 21796), (589, 21985), (593, 21997), (594, 22000), (601, 22021), (652, 22117), (653, 22120), (655, 22126), (679, 22195), (684, 22213), (686, 22222), (697, 22252), (731, 22348), (747, 22381), (753, 22396), (795, 22537), (813, 22594), (861, 22705),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for Herod_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (662, 18712), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 149

Candidate Starts for Hexamo_31:

(98, 19879), (Start: 128 @19921 has 37 MA's), (Start: 149 @19945 has 636 MA's), (285, 20182), (314, 20254), (315, 20257), (319, 20272), (336, 20311), (339, 20317), (389, 20428), (393, 20434), (405, 20473), (428, 20515), (455, 20554), (472, 20596), (476, 20599), (542, 20755), (603, 20896), (609, 20911), (697, 21124), (744, 21223), (753, 21250), (771, 21301), (774, 21310), (785, 21349), (788, 21364), (813, 21448), (859, 21553), (861, 21559), (899, 21694),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 149

Candidate Starts for Hexbug_20:

(119, 15746), (Start: 139 @15773 has 9 MA's), (Start: 149 @15776 has 636 MA's), (Start: 246 @15917 has 1 MA's), (284, 16016), (302, 16067), (311, 16094), (373, 16244), (388, 16274), (398, 16301), (405, 16322), (408, 16331), (416, 16346), (441, 16376), (449, 16388), (453, 16394), (455, 16397), (461, 16412), (487, 16481), (522, 16562), (555, 16604), (560, 16613), (571, 16631), (591, 16676), (627, 16760), (651, 16796), (652, 16799), (653, 16802), (657, 16817), (664, 16835), (684, 16892), (692, 16925), (748, 17021), (753, 17033), (755, 17039), (758, 17048), (769, 17060), (794, 17132), (795, 17135), (796, 17138), (801, 17153), (842, 17261), (847, 17270), (861, 17303), (862, 17312), (899, 17441), (906, 17456),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 208

Candidate Starts for Hibiscus_18:

(161, 14922), (Start: 208 @14988 has 12 MA's), (261, 15087), (267, 15111), (310, 15222), (311, 15225), (317, 15243), (321, 15252), (353, 15318), (360, 15333), (363, 15342), (365, 15348), (404, 15438), (427, 15492), (439, 15501), (482, 15591), (528, 15702), (572, 15774), (574, 15780), (578, 15789), (586, 15807), (616, 15897), (667, 16011), (671, 16029), (678, 16041), (721, 16080), (731, 16107), (753, 16155), (757, 16167), (761, 16179), (768, 16200), (773, 16212), (777, 16227), (786, 16257), (794, 16293), (862, 16446), (872, 16482), (889, 16542), (890, 16545), (896, 16566), (906, 16590),

Gene: Hidrated_39 Start: 29642, Stop: 31375, Start Num: 128

Candidate Starts for Hidrated_39:

(Start: 128 @29642 has 37 MA's), (Start: 196 @29732 has 48 MA's), (229, 29780), (294, 29939), (307, 29969), (346, 30068), (363, 30104), (365, 30110), (377, 30131), (405, 30203), (408, 30212), (415, 30233), (469, 30302), (482, 30341), (483, 30344), (490, 30359), (512, 30398), (526, 30446), (531, 30458), (535, 30464), (566, 30521), (575, 30542), (583, 30560), (600, 30608), (638, 30710), (667, 30782), (726, 30866), (731, 30878), (733, 30884), (741, 30896), (744, 30899), (757, 30938), (763, 30956), (776, 30992), (777, 30998), (801, 31085), (834, 31175), (862, 31217), (867, 31235), (877, 31265), (887, 31307), (906, 31361),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 134

Candidate Starts for Highbury_25:

(Start: 134 @19407 has 130 MA's), (Start: 196 @19491 has 48 MA's), (Start: 246 @19569 has 1 MA's), (280, 19656), (286, 19671), (305, 19719), (320, 19758), (361, 19845), (377, 19878), (394, 19914), (402, 19944), (405, 19950), (458, 20019), (477, 20049), (481, 20061), (482, 20064), (512, 20121), (575, 20253), (578, 20259), (602, 20325), (604, 20331), (612, 20355), (628, 20403), (642, 20427), (647, 20436), (672, 20511), (721, 20562), (726, 20577), (786, 20739), (792, 20766), (801, 20796), (843, 20901), (879, 20979), (886, 21015), (889, 21024), (899, 21057), (906, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 84

Candidate Starts for Hilltopfarm_24:

(Start: 84 @19638 has 5 MA's), (104, 19686), (Start: 111 @19695 has 26 MA's), (Start: 144 @19734 has 6 MA's), (Start: 171 @19764 has 8 MA's), (180, 19776), (205, 19812), (228, 19842), (Start: 233 @19851 has 2 MA's), (238, 19866), (262, 19917), (263, 19920), (299, 20019), (348, 20160), (373, 20211), (377, 20217), (395, 20256), (412, 20310), (459, 20379), (475, 20421), (489, 20457), (496, 20466), (530, 20544), (536, 20553), (559, 20583), (573, 20616), (574, 20619), (597, 20679), (605, 20703), (609, 20712), (643, 20781), (678, 20886), (679, 20889), (686, 20916), (779, 21099), (876, 21354), (900, 21444), (901, 21447), (903, 21450),

Gene: HippoHollow_29 Start: 21966, Stop: 23738, Start Num: 149

Candidate Starts for HippoHollow_29:

(Start: 128 @21942 has 37 MA's), (Start: 149 @21966 has 636 MA's), (231, 22065), (265, 22149), (284, 22200), (285, 22203), (314, 22275), (315, 22278), (336, 22332), (339, 22338), (353, 22371), (389, 22449), (428, 22536), (472, 22617), (476, 22620), (496, 22662), (553, 22806), (594, 22893), (609, 22932), (653, 23013), (692, 23139), (697, 23145), (718, 23193), (747, 23256), (753, 23271), (755, 23277), (764, 23307), (774, 23331), (785, 23370), (788, 23385), (813, 23469),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 149

Candidate Starts for HippoPololi_20:

(119, 16559), (Start: 149 @16592 has 636 MA's), (Start: 156 @16604 has 1 MA's), (Start: 233 @16706 has 2 MA's), (Start: 246 @16736 has 1 MA's), (319, 16940), (335, 16976), (353, 17018), (373, 17063), (416, 17165), (441, 17198), (449, 17210), (451, 17213), (475, 17270), (487, 17303), (499, 17318), (511, 17345), (522, 17384), (555, 17426), (560, 17435), (584, 17480), (593, 17504), (606, 17543), (657, 17639), (660, 17648), (664, 17657), (684, 17714), (688, 17732), (731, 17807), (753, 17855), (758, 17870), (769, 17882), (794, 17954), (795, 17957), (796, 17960), (797, 17963), (830, 18053),

(842, 18080), (861, 18122), (862, 18131), (864, 18140),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 172

Candidate Starts for Hiro_23:

(Start: 163 @16590 has 3 MA's), (Start: 172 @16605 has 32 MA's), (203, 16647), (223, 16674), (241, 16710), (294, 16851), (315, 16896), (368, 17025), (389, 17067), (397, 17085), (399, 17094), (Start: 407 @17118 has 1 MA's), (416, 17136), (441, 17166), (451, 17181), (453, 17184), (470, 17223), (476, 17232), (514, 17316), (553, 17370), (560, 17385), (587, 17433), (594, 17457), (652, 17571), (679, 17649), (689, 17688), (692, 17700), (698, 17709), (718, 17730), (753, 17808), (809, 17955), (853, 18054), (859, 18069), (906, 18222),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 215

Candidate Starts for Hitter_19:

(187, 16614), (Start: 215 @16650 has 57 MA's), (266, 16752), (296, 16830), (298, 16833), (340, 16929), (357, 16968), (382, 17028), (392, 17049), (410, 17103), (415, 17118), (476, 17214), (512, 17289), (521, 17319), (604, 17502), (612, 17526), (625, 17577), (659, 17670), (664, 17682), (682, 17727), (713, 17742), (762, 17874), (763, 17877), (792, 17976), (797, 17994), (813, 18045), (842, 18111), (871, 18174), (876, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Hlubikazi_16:

(Start: 129 @14904 has 222 MA's), (199, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (283, 15165), (286, 15171), (292, 15189), (305, 15219), (350, 15324), (379, 15384), (389, 15405), (394, 15414), (401, 15438), (475, 15564), (480, 15579), (482, 15585), (504, 15621), (506, 15624), (511, 15636), (512, 15642), (526, 15690), (531, 15702), (535, 15708), (574, 15768), (579, 15780), (593, 15816), (597, 15828), (624, 15903), (628, 15912), (638, 15930), (642, 15936), (652, 15966), (718, 16071), (721, 16080), (722, 16083), (738, 16119), (766, 16197), (794, 16296), (801, 16317), (811, 16350), (826, 16380), (835, 16410), (841, 16419), (844, 16425), (859, 16440), (860, 16443), (865, 16467), (876, 16497), (881, 16509), (886, 16539), (899, 16581),

Gene: Horex_29 Start: 21753, Stop: 23543, Start Num: 149

Candidate Starts for Horex_29:

(Start: 146 @21750 has 12 MA's), (Start: 149 @21753 has 636 MA's), (284, 21987), (285, 21990), (314, 22062), (315, 22065), (319, 22080), (336, 22119), (339, 22125), (389, 22236), (428, 22323), (472, 22404), (476, 22407), (553, 22593), (587, 22656), (594, 22680), (596, 22686), (609, 22719), (653, 22800), (692, 22926), (705, 22968), (726, 23016), (731, 23028), (747, 23061), (753, 23076), (785, 23175), (786, 23178), (788, 23190), (813, 23274), (842, 23340), (859, 23379), (861, 23385), (872, 23430), (889, 23487), (890, 23490),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 149

Candidate Starts for Holli_27:

(Start: 128 @19593 has 37 MA's), (Start: 149 @19617 has 636 MA's), (Start: 195 @19674 has 1 MA's), (Start: 233 @19728 has 2 MA's), (238, 19743), (Start: 246 @19761 has 1 MA's), (280, 19845), (284, 19857), (285, 19860), (315, 19935), (319, 19950), (336, 19989), (389, 20106), (428, 20193), (472, 20274), (499, 20322), (510, 20346), (542, 20433), (560, 20478), (594, 20550), (601, 20571), (609, 20589), (653, 20670), (684, 20763), (686, 20772), (692, 20796), (697, 20802), (702, 20826), (731, 20880), (744, 20901), (761, 20952), (770, 20976), (786, 21030), (813, 21126), (859, 21231), (862, 21246), (893, 21354), (899, 21372),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 149

Candidate Starts for Holliday_20:

(119, 16382), (Start: 149 @16421 has 636 MA's), (Start: 156 @16433 has 1 MA's), (185, 16472), (Start: 215 @16511 has 57 MA's), (231, 16532), (253, 16580), (257, 16589), (273, 16631), (284,

16667), (304, 16724), (319, 16772), (332, 16799), (395, 16940), (416, 16997), (427, 17015), (436, 17024), (441, 17030), (467, 17078), (477, 17108), (494, 17144), (499, 17150), (509, 17171), (510, 17174), (525, 17225), (554, 17252), (555, 17255), (571, 17282), (584, 17309), (611, 17381), (637, 17420), (663, 17474), (678, 17516), (701, 17591), (736, 17654), (748, 17681), (749, 17684), (755, 17699), (792, 17783), (794, 17792), (795, 17795), (797, 17801), (801, 17813), (803, 17816), (812, 17846), (814, 17852), (824, 17873), (826, 17876), (849, 17930), (861, 17960), (862, 17969), (878, 18020), (886, 18053), (890, 18065), (895, 18083),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 134

Candidate Starts for Holt_25:

(Start: 134 @19026 has 130 MA's), (Start: 196 @19110 has 48 MA's), (Start: 246 @19188 has 1 MA's), (280, 19275), (286, 19290), (305, 19338), (320, 19377), (361, 19464), (377, 19497), (394, 19533), (402, 19563), (405, 19569), (458, 19638), (477, 19668), (481, 19680), (482, 19683), (512, 19740), (575, 19872), (578, 19878), (602, 19944), (604, 19950), (612, 19974), (628, 20022), (642, 20046), (647, 20055), (672, 20130), (721, 20181), (726, 20196), (786, 20358), (792, 20385), (801, 20415), (843, 20520), (879, 20598), (886, 20634), (889, 20643), (899, 20676), (906, 20691),

Gene: HomeFry_47 Start: 29293, Stop: 30912, Start Num: 170

Candidate Starts for HomeFry_47:

(Start: 170 @29293 has 41 MA's), (Start: 179 @29308 has 33 MA's), (212, 29347), (Start: 246 @29407 has 1 MA's), (249, 29413), (347, 29674), (381, 29740), (388, 29755), (435, 29866), (456, 29899), (501, 29956), (513, 29986), (518, 30004), (587, 30133), (626, 30220), (652, 30268), (653, 30271), (686, 30376), (717, 30394), (731, 30430), (780, 30541), (801, 30616), (868, 30769), (884, 30823), (886, 30835), (890, 30847), (905, 30892),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 151

Candidate Starts for Homines_27:

(Start: 151 @21386 has 225 MA's), (Start: 167 @21407 has 5 MA's), (Start: 195 @21449 has 1 MA's), (228, 21494), (315, 21710), (333, 21755), (336, 21764), (353, 21803), (377, 21854), (378, 21857), (416, 21950), (476, 22052), (510, 22121), (593, 22322), (594, 22325), (601, 22346), (652, 22442), (653, 22445), (655, 22451), (679, 22520), (684, 22538), (686, 22547), (697, 22577), (731, 22673), (747, 22706), (753, 22721), (795, 22862), (813, 22919), (861, 23030), (907, 23183),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Homura_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 149

Candidate Starts for Hookmount_28:

(Start: 149 @20456 has 636 MA's), (Start: 195 @20516 has 1 MA's), (238, 20585), (280, 20687), (284, 20699), (285, 20702), (315, 20777), (319, 20792), (336, 20831), (397, 20966), (428, 21035), (487, 21149), (542, 21275), (593, 21389), (601, 21413), (606, 21425), (609, 21431), (653, 21512), (679, 21587), (684, 21605), (686, 21614), (692, 21638), (697, 21644), (700, 21659), (712, 21692), (730, 21737), (731, 21740), (744, 21761), (786, 21890), (813, 21986), (859, 22091), (861, 22097), (899, 22232),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 134

Candidate Starts for Hoonter_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 149

Candidate Starts for Hoot_31:

(98, 19889), (Start: 128 @19931 has 37 MA's), (Start: 149 @19955 has 636 MA's), (273, 20153), (285, 20192), (314, 20264), (315, 20267), (321, 20285), (336, 20321), (339, 20327), (389, 20438), (393, 20444), (405, 20483), (428, 20525), (455, 20564), (472, 20606), (476, 20609), (506, 20669), (603, 20906), (609, 20921), (653, 21002), (697, 21134), (753, 21260), (771, 21311), (774, 21320), (785, 21359), (786, 21362), (788, 21374), (813, 21458), (859, 21563), (861, 21569), (899, 21704),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Hope_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 151

Candidate Starts for Hope4ever_27:

(Start: 151 @21502 has 225 MA's), (Start: 167 @21523 has 5 MA's), (Start: 195 @21565 has 1 MA's), (228, 21610), (315, 21826), (333, 21871), (336, 21880), (353, 21919), (377, 21970), (378, 21973), (416, 22066), (476, 22168), (510, 22237), (589, 22426), (593, 22438), (594, 22441), (601, 22462), (652, 22558), (653, 22561), (655, 22567), (679, 22636), (684, 22654), (686, 22663), (697, 22693), (731, 22789), (747, 22822), (753, 22837), (795, 22978), (813, 23035), (861, 23146),

Gene: Hokey_26 Start: 20107, Stop: 21702, Start Num: 196

Candidate Starts for Hokey_26:

(Start: 134 @20023 has 130 MA's), (Start: 196 @20107 has 48 MA's), (Start: 246 @20185 has 1 MA's), (280, 20272), (286, 20287), (305, 20335), (320, 20374), (361, 20461), (377, 20494), (394, 20530), (402, 20560), (405, 20566), (458, 20635), (477, 20665), (481, 20677), (482, 20680), (512, 20737), (575, 20869), (578, 20875), (602, 20941), (604, 20947), (612, 20971), (628, 21019), (642, 21043), (647, 21052), (672, 21127), (721, 21178), (726, 21193), (786, 21355), (792, 21382), (801, 21412), (843, 21517), (879, 21595), (886, 21631), (889, 21640), (899, 21673), (906, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 149

Candidate Starts for Horseradish_19:

(119, 15246), (Start: 139 @15273 has 9 MA's), (Start: 149 @15276 has 636 MA's), (274, 15486), (333, 15654), (335, 15660), (384, 15768), (398, 15804), (408, 15834), (416, 15849), (441, 15882), (449, 15894), (467, 15930), (487, 15987), (496, 15999), (560, 16119), (572, 16140), (584, 16164), (653, 16314), (657, 16329), (664, 16347), (684, 16404), (748, 16533), (753, 16545), (760, 16563), (769, 16572), (794, 16644), (795, 16647), (797, 16653), (801, 16665), (842, 16770), (847, 16779), (861, 16812), (895, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 178

Candidate Starts for Hortense_20:

(96, 17785), (Start: 178 @17902 has 57 MA's), (308, 18160), (316, 18181), (338, 18235), (356, 18274), (378, 18331), (388, 18352), (510, 18523), (515, 18541), (522, 18565), (528, 18586), (568, 18628), (602, 18709), (653, 18799), (669, 18850), (685, 18901), (686, 18904), (730, 18958), (766, 19048), (862, 19327), (864, 19336), (873, 19366),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 146

Candidate Starts for HortumSL17_30:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (706, 22967), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 149

Candidate Starts for Horus_20:

(119, 16395), (Start: 149 @16434 has 636 MA's), (Start: 156 @16446 has 1 MA's), (159, 16449), (185, 16485), (Start: 215 @16524 has 57 MA's), (231, 16545), (249, 16587), (253, 16593), (254, 16596), (260, 16608), (273, 16644), (284, 16680), (304, 16737), (319, 16785), (332, 16812), (377, 16914), (395, 16953), (416, 17010), (427, 17028), (436, 17037), (441, 17043), (467, 17091), (477, 17121), (494, 17157), (499, 17163), (509, 17184), (510, 17187), (525, 17238), (554, 17265), (555, 17268), (571, 17295), (584, 17322), (611, 17394), (637, 17433), (663, 17487), (686, 17559), (701, 17604), (748, 17694), (755, 17712), (792, 17796), (794, 17805), (795, 17808), (797, 17814), (803, 17829), (812, 17859), (814, 17865), (824, 17886), (826, 17889), (849, 17943), (861, 17973), (862, 17982), (878, 18033), (886, 18066), (890, 18078), (895, 18096),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Hotshotbaby7_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 149

Candidate Starts for Houdini22_27:

(Start: 128 @19807 has 37 MA's), (Start: 149 @19831 has 636 MA's), (Start: 195 @19888 has 1 MA's), (Start: 233 @19942 has 2 MA's), (238, 19957), (Start: 246 @19975 has 1 MA's), (280, 20059), (284, 20071), (285, 20074), (315, 20149), (319, 20164), (336, 20203), (389, 20320), (428, 20407), (472, 20488), (499, 20536), (510, 20560), (542, 20647), (560, 20692), (594, 20764), (601, 20785), (609, 20803), (653, 20884), (684, 20977), (686, 20986), (692, 21010), (697, 21016), (702, 21040), (731, 21094), (744, 21115), (761, 21166), (770, 21190), (786, 21244), (813, 21340), (859, 21445), (862, 21460), (893, 21568), (899, 21586),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 178

Candidate Starts for Howe_20:

(96, 17785), (Start: 178 @17902 has 57 MA's), (308, 18160), (316, 18181), (338, 18235), (356, 18274), (378, 18331), (388, 18352), (510, 18523), (515, 18541), (522, 18565), (528, 18586), (568, 18628), (602, 18709), (653, 18799), (669, 18850), (685, 18901), (686, 18904), (730, 18958), (766, 19048), (862, 19327), (864, 19336), (873, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 170

Candidate Starts for HubbaBubba_39:

(Start: 170 @26578 has 41 MA's), (Start: 176 @26587 has 1 MA's), (Start: 178 @26590 has 57 MA's), (Start: 200 @26614 has 1 MA's), (Start: 246 @26692 has 1 MA's), (315, 26875), (338, 26932), (343, 26944), (347, 26959), (381, 27025), (388, 27040), (399, 27064), (435, 27151), (438, 27157), (454, 27181), (501, 27241), (513, 27271), (519, 27292), (576, 27397), (587, 27418), (626, 27505), (652, 27553), (717, 27679), (731, 27715), (794, 27880), (800, 27898), (811, 27934), (884, 28108), (886, 28120), (905, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 196

Candidate Starts for HufflyPuff_23:

(Start: 134 @19730 has 130 MA's), (Start: 196 @19814 has 48 MA's), (Start: 246 @19892 has 1 MA's), (280, 19979), (286, 19994), (305, 20042), (320, 20081), (361, 20168), (377, 20201), (394, 20237), (402, 20267), (405, 20273), (458, 20342), (477, 20372), (481, 20384), (482, 20387), (512, 20444), (575, 20576), (578, 20582), (602, 20648), (604, 20654), (612, 20678), (628, 20726), (642, 20750), (647, 20759), (672, 20834), (721, 20885), (726, 20900), (786, 21062), (792, 21089), (801, 21119), (843, 21224), (879, 21302), (886, 21338), (889, 21347), (899, 21380), (906, 21395),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 128

Candidate Starts for Hughesyang_35:

(Start: 128 @27496 has 37 MA's), (Start: 196 @27586 has 48 MA's), (229, 27634), (242, 27664), (257, 27691), (294, 27793), (307, 27823), (346, 27922), (363, 27958), (365, 27964), (377, 27985), (405, 28057), (408, 28066), (415, 28087), (469, 28156), (482, 28195), (483, 28198), (490, 28213), (512, 28252), (526, 28300), (531, 28312), (535, 28318), (561, 28366), (566, 28375), (575, 28396), (583, 28414), (600, 28462), (638, 28564), (660, 28624), (667, 28636), (726, 28720), (731, 28732), (733, 28738), (741, 28750), (744, 28753), (757, 28792), (763, 28810), (776, 28846), (777, 28852), (801, 28939), (834, 29029), (862, 29071), (867, 29089), (877, 29119), (887, 29161), (906, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for Hugley_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (662, 18712), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 149

Candidate Starts for HuhtaEnerson15_24:

(Start: 149 @19658 has 636 MA's), (Start: 233 @19763 has 2 MA's), (Start: 246 @19796 has 1 MA's), (285, 19895), (315, 19970), (319, 19985), (335, 20021), (366, 20093), (373, 20108), (393, 20147), (401, 20174), (408, 20195), (433, 20234), (506, 20372), (509, 20378), (589, 20570), (590, 20573), (593, 20582), (609, 20624), (615, 20642), (652, 20702), (653, 20705), (684, 20798), (686, 20807), (692, 20831), (730, 20939), (747, 20975), (813, 21185), (858, 21287), (861, 21296), (892, 21410), (899, 21431), (901, 21440),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 118

Candidate Starts for Hurricane_22:

(Start: 111 @17578 has 26 MA's), (Start: 118 @17587 has 152 MA's), (204, 17689), (238, 17746), (262, 17797), (273, 17827), (280, 17851), (365, 18082), (369, 18091), (377, 18103), (412, 18196), (413, 18199), (459, 18271), (463, 18280), (475, 18313), (477, 18319), (496, 18358), (512, 18394), (574, 18484), (598, 18547), (635, 18634), (669, 18727), (691, 18802), (765, 18931), (775, 18955), (782, 18982), (797, 19039), (811, 19084), (862, 19186), (870, 19213), (886, 19273), (889, 19282), (895, 19303), (900, 19321), (903, 19327), (910, 19342),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Hutc2_28:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (361, 21175), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: Huxley_27 Start: 19891, Stop: 21669, Start Num: 149

Candidate Starts for Huxley_27:

(Start: 128 @19867 has 37 MA's), (Start: 149 @19891 has 636 MA's), (Start: 195 @19948 has 1 MA's), (Start: 233 @20002 has 2 MA's), (238, 20017), (Start: 246 @20035 has 1 MA's), (280, 20119), (284, 20131), (285, 20134), (315, 20209), (319, 20224), (336, 20263), (389, 20380), (428, 20467), (472, 20548), (499, 20596), (510, 20620), (542, 20707), (560, 20752), (594, 20824), (601, 20845), (609, 20863), (653, 20944), (684, 21037), (686, 21046), (692, 21070), (697, 21076), (702, 21100), (731, 21154), (744, 21175), (761, 21226), (770, 21250), (813, 21400), (859, 21505), (862, 21520), (893, 21628), (899, 21646),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Hyperbowlee_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 178

Candidate Starts for Hyzer_19:

(66, 17634), (Start: 178 @17835 has 57 MA's), (308, 18093), (315, 18111), (316, 18114), (338, 18168), (372, 18243), (398, 18312), (401, 18321), (405, 18333), (423, 18384), (437, 18411), (444, 18420), (445, 18423), (510, 18456), (526, 18513), (568, 18579), (617, 18690), (637, 18714), (653, 18750), (685, 18852), (766, 18999), (849, 19239), (873, 19317),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for ICleared_27:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 170

Candidate Starts for IDyn_42:

(Start: 170 @27974 has 41 MA's), (Start: 178 @27986 has 57 MA's), (Start: 200 @28010 has 1 MA's), (Start: 246 @28088 has 1 MA's), (315, 28271), (338, 28328), (343, 28340), (347, 28355), (381, 28421), (388, 28436), (399, 28460), (435, 28547), (438, 28553), (454, 28577), (501, 28637), (513, 28667), (519, 28688), (576, 28793), (587, 28814), (626, 28901), (652, 28949), (717, 29075), (731, 29111), (794, 29276), (800, 29294), (811, 29330), (884, 29504), (886, 29516), (905, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 196

Candidate Starts for IHOP_24:

(Start: 134 @19922 has 130 MA's), (Start: 196 @20006 has 48 MA's), (Start: 246 @20084 has 1 MA's), (280, 20171), (286, 20186), (305, 20234), (320, 20273), (361, 20360), (377, 20393), (394, 20429), (402, 20459), (405, 20465), (458, 20534), (477, 20564), (481, 20576), (482, 20579), (512, 20636), (575, 20768), (578, 20774), (602, 20840), (604, 20846), (612, 20870), (628, 20918), (642, 20942), (647, 20951), (672, 21026), (721, 21077), (726, 21092), (786, 21254), (792, 21281), (801, 21311), (843, 21416), (879, 21494), (886, 21530), (889, 21539), (899, 21572), (906, 21587),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 151

Candidate Starts for ILeeKay_29:

(Start: 151 @21266 has 225 MA's), (Start: 167 @21287 has 5 MA's), (Start: 195 @21329 has 1 MA's), (228, 21374), (315, 21590), (333, 21635), (336, 21644), (353, 21683), (377, 21734), (378, 21737), (476, 21932), (510, 22001), (593, 22202), (594, 22205), (601, 22226), (652, 22322), (653, 22325), (655, 22331), (679, 22400), (684, 22418), (686, 22427), (697, 22457), (731, 22553), (747, 22586), (753, 22601), (795, 22742), (813, 22799), (861, 22910),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 129

Candidate Starts for IMpilo_16:

(Start: 129 @14837 has 222 MA's), (199, 14924), (Start: 233 @14969 has 2 MA's), (242, 14993), (283, 15098), (286, 15104), (292, 15122), (305, 15152), (350, 15257), (379, 15317), (383, 15326), (388, 15335), (389, 15338), (394, 15347), (401, 15371), (453, 15446), (475, 15497), (480, 15512), (482, 15518), (504, 15554), (506, 15557), (511, 15569), (512, 15575), (526, 15623), (531, 15635), (535, 15641), (574, 15701), (579, 15713), (593, 15749), (597, 15761), (624, 15836), (628, 15845), (638, 15863), (642, 15869), (652, 15899), (718, 16004), (721, 16013), (722, 16016), (738, 16052), (766, 16130), (794, 16229), (801, 16250), (811, 16283), (826, 16313), (835, 16343), (841, 16352), (844, 16358), (859, 16373), (860, 16376), (865, 16400), (876, 16430), (881, 16442), (886, 16472), (899, 16514),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for IbOuu_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (376, 15279), (379, 15285), (383, 15294), (389, 15306), (394, 15315), (401, 15339), (475, 15465), (480, 15480), (482, 15486), (504, 15522), (511, 15537), (512, 15543), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (624, 15804), (628, 15813), (638, 15831), (642, 15837), (652, 15867), (718, 15972), (721, 15981), (722, 15984), (738, 16020), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (864, 16365), (865, 16368), (881, 16410), (886, 16440), (899, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for Ibhubesi_16:

(Start: 129 @14800 has 222 MA's), (199, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (283, 15061), (286, 15067), (292, 15085), (305, 15115), (350, 15220), (379, 15280), (389, 15301), (394, 15310), (399, 15328), (401, 15334), (415, 15376), (453, 15409), (460, 15421), (467, 15436), (469, 15442), (475, 15460), (480, 15475), (482, 15481), (493, 15502), (504, 15517), (506, 15520), (511, 15532), (512, 15538), (526, 15586), (531, 15598), (535, 15604), (574, 15664), (579, 15676), (593, 15712), (597, 15724), (604, 15745), (624, 15799), (628, 15808), (638, 15826), (642, 15832), (718, 15967), (721, 15976), (722, 15979), (738, 16015), (754, 16054), (766, 16093), (794, 16192), (801, 16213), (811, 16246), (826, 16276), (835, 16306), (839, 16312), (841, 16315), (844, 16321), (859, 16336), (860, 16339), (864, 16360), (865, 16363), (881, 16405), (899, 16477), (900, 16483),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 196

Candidate Starts for Icee_23:

(Start: 134 @19405 has 130 MA's), (Start: 196 @19489 has 48 MA's), (Start: 246 @19567 has 1 MA's), (280, 19654), (286, 19669), (305, 19717), (320, 19756), (361, 19843), (377, 19876), (394, 19912), (402, 19942), (405, 19948), (458, 20017), (477, 20047), (481, 20059), (482, 20062), (512, 20119), (575, 20251), (578, 20257), (602, 20323), (604, 20329), (612, 20353), (628, 20401), (642, 20425), (647, 20434), (672, 20509), (721, 20560), (726, 20575), (786, 20737), (792, 20764), (801, 20794), (843, 20899), (879, 20977), (886, 21013), (889, 21022), (899, 21055), (906, 21070),

Gene: Iceman_28 Start: 20116, Stop: 21894, Start Num: 149

Candidate Starts for Iceman_28:

(Start: 128 @20092 has 37 MA's), (Start: 149 @20116 has 636 MA's), (Start: 195 @20173 has 1 MA's), (Start: 233 @20227 has 2 MA's), (238, 20242), (Start: 246 @20260 has 1 MA's), (280, 20344), (284, 20356), (285, 20359), (315, 20434), (319, 20449), (336, 20488), (389, 20605), (428, 20692), (472, 20773), (499, 20821), (510, 20845), (542, 20932), (560, 20977), (594, 21049), (601, 21070), (609, 21088), (653, 21169), (684, 21262), (686, 21271), (692, 21295), (697, 21301), (702, 21325), (731, 21379), (744, 21400), (761, 21451), (770, 21475), (786, 21529), (813, 21625), (859, 21730), (862, 21745), (893, 21853), (899, 21871),

Gene: Ichabod_28 Start: 21290, Stop: 23092, Start Num: 151

Candidate Starts for Ichabod_28:

(Start: 151 @21290 has 225 MA's), (Start: 167 @21311 has 5 MA's), (Start: 195 @21353 has 1 MA's), (228, 21398), (315, 21614), (333, 21659), (336, 21668), (353, 21707), (377, 21758), (378, 21761), (476, 21956), (510, 22025), (593, 22226), (594, 22229), (601, 22250), (652, 22346), (653, 22349), (655, 22355), (679, 22424), (684, 22442), (686, 22451), (697, 22481), (731, 22577), (747, 22610), (753, 22625), (795, 22766), (813, 22823), (861, 22934),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 115

Candidate Starts for IdentityCrisis_17:

(Start: 115 @14307 has 1 MA's), (169, 14379), (228, 14460), (238, 14484), (257, 14526), (303, 14628), (313, 14652), (317, 14670), (377, 14805), (395, 14844), (432, 14949), (453, 14979), (473, 15027), (589, 15243), (652, 15375), (684, 15471), (699, 15522), (753, 15648), (755, 15654), (794, 15747), (795, 15750), (856, 15897), (861, 15912), (896, 16041), (899, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 113

Candidate Starts for Idergollasper_56:

(Start: 106 @33466 has 2 MA's), (Start: 113 @33475 has 28 MA's), (Start: 179 @33565 has 33 MA's), (253, 33682), (265, 33718), (275, 33739), (283, 33766), (286, 33772), (308, 33826), (330, 33877), (394, 34015), (396, 34021), (412, 34072), (413, 34075), (427, 34093), (475, 34144), (482, 34165), (483, 34168), (511, 34216), (512, 34222), (526, 34270), (528, 34276), (531, 34282), (563, 34342), (574, 34366), (575, 34369), (593, 34414), (598, 34429), (601, 34438), (604, 34447), (618, 34492), (628, 34510), (647, 34543), (722, 34681), (730, 34702), (758, 34768), (768, 34798), (784, 34852), (794, 34894), (801, 34915), (807, 34936), (811, 34948), (821, 34969), (844, 35023), (879, 35101), (886, 35137), (892, 35158), (900, 35185),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for Idleandcovert_27:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 167

Candidate Starts for IgnatiusPatJac_26:

(Start: 151 @21114 has 225 MA's), (Start: 167 @21135 has 5 MA's), (Start: 195 @21177 has 1 MA's), (228, 21222), (315, 21438), (333, 21483), (336, 21492), (377, 21582), (378, 21585), (416, 21678), (476, 21780), (510, 21849), (593, 22050), (594, 22053), (601, 22074), (652, 22170), (653, 22173), (655, 22179), (679, 22248), (684, 22266), (686, 22275), (697, 22305), (731, 22401), (747, 22434), (753, 22449), (795, 22590), (813, 22647), (861, 22758),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Illumine_23:

(Start: 118 @17171 has 152 MA's), (143, 17201), (Start: 246 @17360 has 1 MA's), (262, 17393), (273, 17423), (283, 17456), (288, 17468), (317, 17558), (333, 17594), (335, 17600), (365, 17672), (369, 17681), (389, 17720), (405, 17765), (406, 17768), (412, 17786), (413, 17789), (459, 17861), (475, 17903), (477, 17909), (487, 17936), (509, 17972), (532, 18029), (574, 18074), (582, 18092), (603, 18152), (614, 18182), (628, 18209), (669, 18314), (715, 18404), (749, 18473), (762, 18509), (773, 18539), (776, 18548), (795, 18623), (811, 18674), (862, 18773), (879, 18824), (900, 18908), (901, 18911), (910, 18929),

Gene: Imara_54 Start: 33275, Stop: 35011, Start Num: 113

Candidate Starts for Imara_54:

(Start: 106 @33266 has 2 MA's), (Start: 113 @33275 has 28 MA's), (Start: 179 @33365 has 33 MA's), (253, 33482), (265, 33518), (275, 33539), (283, 33566), (286, 33572), (308, 33626), (330, 33677), (394, 33815), (396, 33821), (412, 33872), (413, 33875), (427, 33893), (475, 33944), (482, 33965), (483, 33968), (511, 34016), (512, 34022), (526, 34070), (528, 34076), (531, 34082), (563, 34142), (574, 34166), (575, 34169), (593, 34214), (598, 34229), (601, 34238), (604, 34247), (618, 34292), (628, 34310), (647, 34343), (722, 34481), (730, 34502), (758, 34568), (768, 34598), (784, 34652), (794, 34694), (801, 34715), (807, 34736), (811, 34748), (821, 34769), (844, 34823), (879, 34901), (886, 34937), (892, 34958), (900, 34985),

Gene: Impisi_19 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Impisi_19:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: InLimbo_19 Start: 15153, Stop: 16865, Start Num: 117

Candidate Starts for InLimbo_19:

(Start: 117 @15153 has 26 MA's), (Start: 123 @15165 has 8 MA's), (158, 15207), (231, 15309), (265, 15381), (301, 15462), (317, 15513), (333, 15546), (347, 15588), (353, 15594), (373, 15642), (397, 15693), (408, 15729), (437, 15771), (453, 15792), (457, 15798), (467, 15822), (487, 15873), (489, 15876), (508, 15906), (660, 16218), (684, 16284), (691, 16314), (740, 16407), (748, 16428), (753, 16440), (755, 16446), (757, 16452), (760, 16458), (787, 16512), (795, 16542), (818, 16611), (859, 16698), (861, 16704), (866, 16728), (875, 16755),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 196

Candidate Starts for Inca_23:

(Start: 134 @18425 has 130 MA's), (Start: 196 @18509 has 48 MA's), (Start: 246 @18587 has 1 MA's), (280, 18674), (286, 18689), (305, 18737), (320, 18776), (361, 18863), (377, 18896), (394,

18932), (402, 18962), (405, 18968), (458, 19037), (477, 19067), (481, 19079), (482, 19082), (512, 19139), (575, 19271), (578, 19277), (602, 19343), (604, 19349), (612, 19373), (628, 19421), (642, 19445), (647, 19454), (672, 19529), (721, 19580), (726, 19595), (786, 19757), (792, 19784), (801, 19814), (843, 19919), (879, 19997), (886, 20033), (889, 20042), (899, 20075), (906, 20090),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 149

Candidate Starts for Indra_31:

(98, 19912), (Start: 128 @19954 has 37 MA's), (Start: 149 @19978 has 636 MA's), (285, 20215), (314, 20287), (315, 20290), (319, 20305), (336, 20344), (339, 20350), (389, 20461), (393, 20467), (405, 20506), (428, 20548), (455, 20587), (472, 20629), (476, 20632), (542, 20788), (603, 20929), (609, 20944), (697, 21157), (744, 21256), (753, 21283), (771, 21334), (774, 21343), (785, 21382), (786, 21385), (859, 21586), (861, 21592), (899, 21727),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Inky_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 149

Candidate Starts for Insomnia_28:

(98, 20741), (Start: 128 @20783 has 37 MA's), (Start: 149 @20807 has 636 MA's), (188, 20849), (Start: 246 @20945 has 1 MA's), (255, 20960), (284, 21041), (285, 21044), (315, 21119), (319, 21134), (336, 21173), (339, 21179), (361, 21230), (389, 21290), (393, 21296), (428, 21377), (476, 21461), (526, 21587), (533, 21605), (550, 21632), (609, 21773), (648, 21839), (652, 21851), (653, 21854), (712, 22043), (721, 22070), (726, 22079), (736, 22100), (738, 22103), (747, 22124), (753, 22139), (761, 22163), (785, 22238), (788, 22253), (813, 22337), (859, 22442), (861, 22448), (876, 22502), (907, 22601),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 214

Candidate Starts for Inspectinfecti_34:

(Start: 214 @29501 has 22 MA's), (222, 29513), (240, 29546), (244, 29555), (250, 29567), (263, 29597), (305, 29714), (310, 29726), (344, 29801), (370, 29861), (385, 29891), (483, 30098), (502, 30128), (518, 30173), (545, 30233), (574, 30281), (601, 30353), (613, 30386), (614, 30389), (633, 30428), (649, 30467), (678, 30554), (679, 30557), (740, 30635), (762, 30695), (777, 30740), (797, 30821), (815, 30875), (862, 30971), (899, 31100), (906, 31115),

Gene: Invectra_20 Start: 17703, Stop: 19283, Start Num: 178

Candidate Starts for Invectra_20:

(11, 16926), (24, 17082), (44, 17313), (46, 17316), (54, 17400), (55, 17406), (65, 17481), (75, 17532), (96, 17586), (Start: 178 @17703 has 57 MA's), (275, 17874), (308, 17961), (315, 17979), (316, 17982), (338, 18036), (356, 18075), (378, 18132), (388, 18153), (510, 18324), (515, 18342), (522, 18366), (528, 18387), (568, 18429), (602, 18510), (653, 18600), (685, 18702), (686, 18705), (730, 18759), (782, 18897), (823, 19029), (862, 19128), (864, 19137), (873, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Inventum_16:

(Start: 129 @14940 has 222 MA's), (199, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (283, 15201), (286, 15207), (292, 15225), (305, 15255), (350, 15360), (379, 15420), (389, 15441), (394, 15450), (401, 15474), (475, 15600), (480, 15615), (482, 15621), (504, 15657), (506, 15660), (511,

15672), (512, 15678), (526, 15726), (531, 15738), (535, 15744), (574, 15804), (579, 15816), (593, 15852), (597, 15864), (624, 15939), (628, 15948), (638, 15966), (642, 15972), (652, 16002), (718, 16107), (722, 16119), (738, 16155), (766, 16233), (794, 16332), (801, 16353), (811, 16386), (826, 16416), (835, 16446), (841, 16455), (844, 16461), (859, 16476), (860, 16479), (864, 16500), (865, 16503), (881, 16545), (886, 16575), (899, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 121

Candidate Starts for InvictusManeo_21:

(Start: 121 @17595 has 18 MA's), (124, 17601), (Start: 145 @17625 has 2 MA's), (Start: 171 @17658 has 8 MA's), (205, 17706), (238, 17760), (262, 17811), (283, 17874), (319, 17982), (365, 18090), (412, 18204), (413, 18207), (428, 18246), (445, 18261), (455, 18273), (459, 18279), (473, 18315), (475, 18321), (477, 18327), (496, 18366), (509, 18390), (574, 18492), (598, 18555), (669, 18735), (718, 18834), (753, 18912), (761, 18936), (763, 18942), (775, 18975), (795, 19053), (797, 19059), (864, 19212), (894, 19317), (895, 19320), (900, 19338),

Gene: Inyanga_26 Start: 20869, Stop: 22671, Start Num: 151

Candidate Starts for Inyanga_26:

(Start: 151 @20869 has 225 MA's), (Start: 167 @20890 has 5 MA's), (Start: 195 @20932 has 1 MA's), (228, 20977), (315, 21193), (333, 21238), (336, 21247), (353, 21286), (377, 21337), (378, 21340), (476, 21535), (510, 21604), (593, 21805), (594, 21808), (601, 21829), (652, 21925), (653, 21928), (655, 21934), (679, 22003), (684, 22021), (686, 22030), (697, 22060), (731, 22156), (747, 22189), (753, 22204), (795, 22345), (813, 22402), (861, 22513), (907, 22666),

Gene: Iqorha_26 Start: 20868, Stop: 22670, Start Num: 151

Candidate Starts for Iqorha_26:

(Start: 151 @20868 has 225 MA's), (Start: 167 @20889 has 5 MA's), (Start: 195 @20931 has 1 MA's), (228, 20976), (315, 21192), (333, 21237), (336, 21246), (353, 21285), (377, 21336), (378, 21339), (476, 21534), (510, 21603), (593, 21804), (594, 21807), (601, 21828), (652, 21924), (653, 21927), (655, 21933), (679, 22002), (684, 22020), (686, 22029), (697, 22059), (731, 22155), (747, 22188), (753, 22203), (795, 22344), (813, 22401), (861, 22512), (907, 22665),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 149

Candidate Starts for Iracema64_28:

(Start: 128 @20114 has 37 MA's), (Start: 149 @20138 has 636 MA's), (Start: 195 @20195 has 1 MA's), (Start: 233 @20249 has 2 MA's), (238, 20264), (Start: 246 @20282 has 1 MA's), (280, 20366), (284, 20378), (285, 20381), (315, 20456), (319, 20471), (336, 20510), (389, 20627), (428, 20714), (472, 20795), (499, 20843), (510, 20867), (542, 20954), (560, 20999), (594, 21071), (601, 21092), (609, 21110), (684, 21284), (686, 21293), (692, 21317), (697, 21323), (702, 21347), (731, 21401), (744, 21422), (761, 21473), (770, 21497), (786, 21551), (813, 21647), (859, 21752), (862, 21767), (893, 21875), (899, 21893),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 129

Candidate Starts for IrishSherpFalk_17:

(Start: 129 @16164 has 222 MA's), (199, 16251), (Start: 233 @16296 has 2 MA's), (242, 16320), (283, 16425), (286, 16431), (292, 16449), (305, 16479), (350, 16584), (379, 16644), (389, 16665), (394, 16674), (401, 16698), (413, 16734), (415, 16740), (453, 16773), (455, 16776), (460, 16785), (467, 16800), (469, 16806), (475, 16824), (480, 16839), (482, 16845), (490, 16863), (493, 16866), (504, 16881), (511, 16896), (512, 16902), (526, 16950), (531, 16962), (535, 16968), (574, 17028), (579, 17040), (593, 17076), (597, 17088), (624, 17163), (628, 17172), (638, 17190), (642, 17196), (652, 17226), (718, 17331), (722, 17343), (738, 17379), (766, 17457), (801, 17577), (811, 17610), (826, 17640), (829, 17652), (835, 17670), (839, 17676), (841, 17679), (844, 17685), (859, 17700), (860, 17703), (864, 17724), (865, 17727), (881, 17769), (886, 17799), (899, 17841), (900, 17847),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 149

Candidate Starts for IronMan_30:

(Start: 149 @21747 has 636 MA's), (245, 21882), (284, 21981), (285, 21984), (314, 22056), (315, 22059), (333, 22104), (361, 22170), (373, 22197), (389, 22230), (428, 22317), (476, 22401), (542, 22557), (554, 22590), (609, 22713), (648, 22779), (653, 22794), (692, 22920), (697, 22926), (718, 22974), (747, 23037), (753, 23052), (755, 23058), (761, 23076), (785, 23151), (813, 23250), (859, 23355), (861, 23361), (864, 23379), (872, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 149

Candidate Starts for Isca_27:

(Start: 149 @19841 has 636 MA's), (Start: 195 @19901 has 1 MA's), (238, 19970), (280, 20072), (284, 20084), (285, 20087), (315, 20162), (319, 20177), (321, 20180), (336, 20216), (397, 20351), (428, 20420), (487, 20534), (542, 20660), (593, 20774), (594, 20777), (601, 20798), (609, 20816), (653, 20897), (679, 20972), (684, 20990), (686, 20999), (697, 21029), (700, 21044), (706, 21068), (712, 21077), (730, 21122), (731, 21125), (744, 21146), (747, 21158), (813, 21371), (826, 21395), (859, 21476), (861, 21482), (899, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 149

Candidate Starts for Isiphiwo_31:

(Start: 149 @20047 has 636 MA's), (273, 20245), (285, 20284), (314, 20356), (315, 20359), (321, 20377), (336, 20413), (339, 20419), (389, 20530), (393, 20536), (428, 20617), (455, 20656), (472, 20698), (476, 20701), (506, 20761), (603, 20998), (609, 21013), (653, 21094), (697, 21226), (702, 21250), (753, 21352), (771, 21403), (774, 21412), (785, 21451), (786, 21454), (788, 21466), (813, 21550), (859, 21655), (861, 21661), (899, 21796),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 137

Candidate Starts for Island3_19:

(Start: 137 @16495 has 56 MA's), (Start: 214 @16594 has 22 MA's), (219, 16603), (254, 16669), (264, 16693), (284, 16753), (286, 16756), (297, 16783), (376, 16963), (388, 16987), (394, 16999), (401, 17023), (475, 17149), (480, 17164), (483, 17173), (506, 17209), (512, 17227), (531, 17287), (597, 17413), (618, 17479), (624, 17488), (628, 17497), (642, 17521), (721, 17665), (741, 17710), (777, 17812), (779, 17821), (784, 17839), (785, 17842), (835, 18001), (846, 18019), (859, 18055), (862, 18070), (879, 18118), (896, 18187),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 149

Candidate Starts for Iwokeuplikedis_29:

(Start: 128 @19911 has 37 MA's), (Start: 149 @19935 has 636 MA's), (231, 20034), (245, 20070), (255, 20088), (284, 20169), (285, 20172), (314, 20244), (315, 20247), (336, 20301), (339, 20307), (373, 20385), (389, 20418), (428, 20505), (472, 20586), (476, 20589), (542, 20745), (553, 20775), (594, 20862), (648, 20967), (653, 20982), (697, 21114), (718, 21162), (747, 21225), (753, 21240), (755, 21246), (758, 21255), (774, 21300), (785, 21339), (788, 21354), (797, 21387), (859, 21543), (861, 21549), (872, 21594),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 118

Candidate Starts for JAWS_23:

(Start: 118 @17142 has 152 MA's), (143, 17172), (Start: 246 @17331 has 1 MA's), (262, 17364), (273, 17394), (283, 17427), (288, 17439), (317, 17529), (335, 17571), (365, 17643), (369, 17652), (389, 17691), (405, 17736), (412, 17757), (413, 17760), (445, 17814), (459, 17832), (475, 17874), (477, 17880), (487, 17907), (574, 18045), (582, 18063), (597, 18105), (603, 18123), (614, 18153), (628, 18180), (669, 18285), (749, 18444), (762, 18480), (773, 18510), (776, 18519), (795, 18594), (811, 18645), (889, 18840), (900, 18879), (901, 18882), (910, 18900),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 151

Candidate Starts for JC27_29:

(Start: 151 @22002 has 225 MA's), (Start: 167 @22023 has 5 MA's), (Start: 195 @22065 has 1 MA's), (228, 22110), (315, 22326), (333, 22371), (336, 22380), (353, 22419), (377, 22470), (378, 22473), (476, 22668), (510, 22737), (593, 22938), (594, 22941), (601, 22962), (652, 23058), (653, 23061), (655, 23067), (679, 23136), (684, 23154), (697, 23193), (731, 23289), (747, 23322), (753, 23337), (795, 23478), (813, 23535), (861, 23646),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 179

Candidate Starts for JCole_17:

(Start: 91 @14614 has 1 MA's), (Start: 179 @14749 has 33 MA's), (248, 14866), (271, 14938), (272, 14941), (283, 14977), (295, 15016), (308, 15037), (347, 15139), (388, 15229), (389, 15232), (444, 15364), (471, 15418), (491, 15469), (509, 15499), (526, 15559), (530, 15571), (568, 15607), (588, 15646), (602, 15688), (626, 15724), (637, 15742), (645, 15757), (654, 15781), (679, 15853), (685, 15877), (754, 15985), (792, 16111), (796, 16126), (809, 16168), (847, 16261), (849, 16264), (864, 16312), (873, 16342), (881, 16360), (882, 16372), (892, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 118

Candidate Starts for JF1_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 116 @18619 has 42 MA's), (Start: 118 @18622 has 152 MA's), (Start: 140 @18637 has 3 MA's), (Start: 171 @18679 has 8 MA's), (205, 18727), (Start: 233 @18766 has 2 MA's), (238, 18781), (Start: 246 @18799 has 1 MA's), (262, 18832), (273, 18862), (288, 18907), (294, 18925), (317, 18997), (319, 19003), (333, 19033), (334, 19036), (361, 19099), (365, 19111), (420, 19246), (427, 19264), (455, 19294), (459, 19300), (467, 19318), (477, 19348), (496, 19387), (574, 19513), (598, 19576), (669, 19777), (686, 19831), (718, 19876), (739, 19921), (749, 19945), (761, 19978), (773, 20011), (792, 20083), (795, 20095), (811, 20146), (813, 20152), (864, 20254), (900, 20380), (910, 20401),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 149

Candidate Starts for JF2_27:

(Start: 149 @19592 has 636 MA's), (Start: 195 @19652 has 1 MA's), (238, 19721), (280, 19823), (284, 19835), (285, 19838), (315, 19913), (319, 19928), (321, 19931), (336, 19967), (397, 20102), (428, 20171), (487, 20285), (542, 20411), (593, 20525), (594, 20528), (601, 20549), (609, 20567), (653, 20648), (679, 20723), (684, 20741), (686, 20750), (692, 20774), (697, 20780), (700, 20795), (706, 20819), (712, 20828), (730, 20873), (731, 20876), (744, 20897), (747, 20909), (813, 21122), (826, 21146), (859, 21227), (861, 21233), (899, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 149

Candidate Starts for JF4_27:

(Start: 149 @19592 has 636 MA's), (Start: 195 @19652 has 1 MA's), (238, 19721), (280, 19823), (284, 19835), (285, 19838), (315, 19913), (319, 19928), (321, 19931), (336, 19967), (397, 20102), (428, 20171), (487, 20285), (542, 20411), (593, 20525), (594, 20528), (601, 20549), (609, 20567), (653, 20648), (679, 20723), (684, 20741), (686, 20750), (692, 20774), (697, 20780), (700, 20795), (706, 20819), (712, 20828), (730, 20873), (731, 20876), (744, 20897), (747, 20909), (813, 21122), (826, 21146), (859, 21227), (861, 21233), (899, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 149

Candidate Starts for JHC117_29:

(Start: 149 @20377 has 636 MA's), (Start: 195 @20434 has 1 MA's), (205, 20449), (231, 20482), (238, 20503), (245, 20518), (280, 20605), (284, 20617), (285, 20620), (315, 20695), (319, 20710), (335, 20746), (428, 20953), (487, 21067), (510, 21106), (527, 21166), (542, 21193), (593, 21307), (601, 21331), (609, 21349), (653, 21430), (679, 21505), (684, 21523), (692, 21556), (697, 21562), (706, 21601), (730, 21655), (731, 21658), (744, 21679), (763, 21736), (813, 21904), (859, 22009), (861, 22015), (899, 22150),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 102

Candidate Starts for JKSyngboy_32:

(Start: 102 @30214 has 86 MA's), (Start: 126 @30250 has 1 MA's), (223, 30379), (231, 30388), (240, 30412), (272, 30484), (275, 30493), (297, 30562), (315, 30613), (317, 30622), (333, 30658), (339, 30673), (345, 30691), (377, 30754), (397, 30799), (399, 30808), (467, 30928), (472, 30943), (475, 30952), (480, 30967), (496, 30997), (616, 31237), (620, 31252), (652, 31294), (653, 31297), (660, 31324), (736, 31507), (795, 31648), (796, 31651), (811, 31699), (824, 31726), (833, 31753), (859, 31807), (865, 31834),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 149

Candidate Starts for JSwag_30:

(98, 19013), (Start: 128 @19055 has 37 MA's), (Start: 149 @19079 has 636 MA's), (Start: 246 @19217 has 1 MA's), (272, 19274), (285, 19316), (302, 19352), (315, 19391), (343, 19460), (353, 19484), (378, 19538), (455, 19688), (476, 19733), (487, 19763), (509, 19799), (524, 19850), (540, 19886), (560, 19934), (590, 19994), (652, 20123), (679, 20201), (753, 20402), (755, 20408), (786, 20504), (845, 20669), (879, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 149

Candidate Starts for Jaan_31:

(Start: 128 @22112 has 37 MA's), (Start: 149 @22136 has 636 MA's), (245, 22271), (255, 22289), (284, 22370), (285, 22373), (314, 22445), (315, 22448), (361, 22559), (373, 22586), (389, 22619), (405, 22664), (428, 22706), (476, 22790), (542, 22946), (554, 22979), (648, 23168), (653, 23183), (692, 23309), (697, 23315), (747, 23426), (753, 23441), (755, 23447), (774, 23501), (785, 23540), (788, 23555), (813, 23639), (859, 23744), (861, 23750), (864, 23768), (872, 23795),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 153

Candidate Starts for Jabbawokkie_21:

(Start: 153 @14267 has 10 MA's), (Start: 214 @14348 has 22 MA's), (Start: 233 @14378 has 2 MA's), (241, 14399), (248, 14411), (275, 14477), (287, 14516), (290, 14528), (301, 14552), (318, 14609), (319, 14612), (331, 14636), (333, 14642), (334, 14645), (353, 14690), (361, 14708), (378, 14744), (428, 14855), (455, 14891), (467, 14918), (471, 14930), (472, 14933), (487, 14975), (496, 14987), (509, 15011), (550, 15065), (593, 15164), (641, 15257), (653, 15284), (656, 15296), (681, 15347), (684, 15362), (713, 15416), (726, 15443), (795, 15605), (796, 15608), (797, 15611), (842, 15728), (861, 15770), (884, 15854), (896, 15899), (901, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 102

Candidate Starts for Jabberwocky_33:

(94, 31343), (Start: 102 @31361 has 86 MA's), (Start: 126 @31397 has 1 MA's), (231, 31535), (272, 31631), (275, 31640), (297, 31709), (315, 31760), (333, 31805), (339, 31820), (377, 31901), (397, 31946), (399, 31955), (453, 32045), (467, 32075), (472, 32090), (480, 32114), (496, 32144), (558, 32249), (609, 32366), (616, 32384), (620, 32399), (648, 32429), (652, 32441), (653, 32444), (660, 32471), (795, 32795), (796, 32798), (811, 32846), (824, 32873), (833, 32900), (859, 32954), (865, 32981), (901, 33110),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 149

Candidate Starts for Jabiru_24:

(Start: 149 @19026 has 636 MA's), (285, 19263), (315, 19338), (319, 19353), (335, 19389), (366, 19461), (373, 19476), (389, 19509), (391, 19512), (393, 19515), (487, 19710), (506, 19740), (509, 19746), (542, 19836), (560, 19881), (593, 19950), (609, 19992), (615, 20010), (652, 20070), (653, 20073), (684, 20166), (730, 20307), (747, 20343), (813, 20556), (858, 20658), (861, 20667), (899, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 149

Candidate Starts for Jabith_28:

(98, 20741), (Start: 128 @20783 has 37 MA's), (Start: 149 @20807 has 636 MA's), (188, 20849), (Start: 246 @20945 has 1 MA's), (255, 20960), (284, 21041), (285, 21044), (315, 21119), (319, 21134), (336, 21173), (339, 21179), (361, 21230), (389, 21290), (393, 21296), (428, 21377), (476, 21461), (526, 21587), (533, 21605), (550, 21632), (609, 21773), (648, 21839), (652, 21851), (653, 21854), (712, 22043), (721, 22070), (726, 22079), (736, 22100), (738, 22103), (747, 22124), (753, 22139), (761, 22163), (785, 22238), (788, 22253), (813, 22337), (859, 22442), (861, 22448), (876, 22502), (907, 22601),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 117

Candidate Starts for Jablanski_20:

(Start: 100 @17653 has 1 MA's), (Start: 117 @17677 has 26 MA's), (197, 17782), (230, 17824), (265, 17899), (313, 18013), (373, 18160), (377, 18166), (470, 18349), (508, 18424), (652, 18706), (658, 18727), (684, 18802), (740, 18925), (753, 18958), (755, 18964), (787, 19030), (795, 19060), (859, 19216), (861, 19222), (864, 19240), (896, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 218

Candidate Starts for Jace_17:

(62, 14448), (86, 14538), (114, 14598), (Start: 218 @14739 has 1 MA's), (238, 14781), (260, 14826), (275, 14880), (287, 14913), (309, 14964), (368, 15099), (377, 15120), (378, 15123), (388, 15144), (Start: 407 @15198 has 1 MA's), (409, 15204), (509, 15306), (512, 15318), (517, 15336), (538, 15390), (596, 15480), (653, 15594), (686, 15696), (763, 15807), (849, 16056), (874, 16137), (879, 16146), (890, 16194),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 151

Candidate Starts for JackSparrow_28:

(Start: 151 @21464 has 225 MA's), (Start: 167 @21485 has 5 MA's), (Start: 195 @21527 has 1 MA's), (228, 21572), (315, 21788), (333, 21833), (336, 21842), (353, 21881), (377, 21932), (378, 21935), (476, 22130), (510, 22199), (593, 22400), (594, 22403), (601, 22424), (652, 22520), (653, 22523), (655, 22529), (679, 22598), (684, 22616), (686, 22625), (697, 22655), (731, 22751), (747, 22784), (753, 22799), (795, 22940), (813, 22997), (861, 23108),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 92

Candidate Starts for JacoRen57_17:

(Start: 92 @15449 has 4 MA's), (180, 15563), (Start: 195 @15584 has 1 MA's), (Start: 233 @15638 has 2 MA's), (238, 15653), (263, 15707), (288, 15779), (333, 15905), (341, 15926), (360, 15968), (365, 15983), (377, 16004), (381, 16013), (399, 16058), (405, 16076), (406, 16079), (455, 16208), (459, 16214), (467, 16232), (477, 16262), (482, 16277), (512, 16337), (536, 16388), (573, 16424), (574, 16427), (619, 16556), (744, 16811), (775, 16901), (777, 16910), (792, 16967), (826, 17060), (862, 17129), (897, 17255), (900, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 129

Candidate Starts for JalFarm20_18:

(Start: 129 @15176 has 222 MA's), (199, 15263), (Start: 233 @15308 has 2 MA's), (242, 15332), (283, 15437), (286, 15443), (292, 15461), (305, 15491), (350, 15596), (379, 15656), (389, 15677), (394, 15686), (401, 15710), (475, 15836), (480, 15851), (482, 15857), (504, 15893), (506, 15896), (511, 15908), (512, 15914), (526, 15962), (531, 15974), (535, 15980), (574, 16040), (579, 16052), (593, 16088), (597, 16100), (624, 16175), (628, 16184), (638, 16202), (642, 16208), (652, 16238), (718, 16343), (721, 16352), (722, 16355), (738, 16391), (766, 16469), (794, 16568), (801, 16589), (811, 16622), (826, 16652), (835, 16682), (841, 16691), (844, 16697), (859, 16712), (860, 16715), (865, 16739), (876, 16769), (881, 16781), (886, 16811), (899, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 215

Candidate Starts for Jalammah_21:

(187, 17408), (Start: 215 @17444 has 57 MA's), (266, 17546), (296, 17624), (298, 17627), (340, 17723), (357, 17762), (382, 17822), (392, 17843), (410, 17897), (415, 17912), (512, 18083), (521, 18113), (604, 18296), (612, 18320), (625, 18371), (659, 18464), (664, 18476), (682, 18521), (713, 18536), (762, 18668), (763, 18671), (792, 18770), (797, 18788), (813, 18839), (842, 18905), (871, 18968), (876, 18980),

Gene: Jalleen_18 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for Jalleen_18:

(Start: 179 @14751 has 33 MA's), (248, 14868), (347, 15141), (388, 15231), (389, 15234), (471, 15420), (505, 15495), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (645, 15759), (654, 15783), (685, 15879), (792, 16113), (796, 16128), (809, 16170), (840, 16251), (847, 16263), (849, 16266), (864, 16314), (873, 16344),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 102

Candidate Starts for Jambalaya_31:

(85, 25598), (Start: 102 @25640 has 86 MA's), (Start: 126 @25676 has 1 MA's), (Start: 153 @25709 has 10 MA's), (274, 25919), (275, 25922), (284, 25952), (307, 26018), (315, 26042), (317, 26051), (332, 26084), (399, 26237), (416, 26276), (453, 26327), (460, 26339), (467, 26357), (471, 26369), (475, 26381), (480, 26396), (496, 26426), (499, 26429), (509, 26450), (554, 26522), (579, 26570), (620, 26681), (649, 26714), (660, 26753), (663, 26756), (686, 26828), (715, 26894), (719, 26906), (795, 27077), (799, 27089), (801, 27095), (811, 27128), (824, 27155), (833, 27182), (859, 27236), (890, 27353), (896, 27374), (907, 27401),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for James_16:

(Start: 129 @14804 has 222 MA's), (199, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (265, 15017), (283, 15065), (286, 15071), (292, 15089), (305, 15119), (350, 15224), (376, 15278), (379, 15284), (383, 15293), (394, 15314), (401, 15338), (413, 15374), (415, 15380), (453, 15413), (455, 15416), (460, 15425), (467, 15440), (469, 15446), (475, 15464), (480, 15479), (482, 15485), (490, 15503), (493, 15506), (504, 15521), (511, 15536), (512, 15542), (526, 15590), (531, 15602), (535, 15608), (574, 15668), (579, 15680), (593, 15716), (597, 15728), (624, 15803), (628, 15812), (638, 15830), (642, 15836), (652, 15866), (718, 15971), (722, 15983), (738, 16019), (766, 16097), (801, 16217), (811, 16250), (826, 16280), (829, 16292), (835, 16310), (839, 16316), (841, 16319), (844, 16325), (859, 16340), (860, 16343), (864, 16364), (865, 16367), (881, 16409), (886, 16439), (899, 16481), (900, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Jamie19_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 149

Candidate Starts for Jamzy_21:

(15, 14440), (30, 14623), (119, 15070), (Start: 139 @15097 has 9 MA's), (Start: 149 @15100 has 636 MA's), (Start: 246 @15241 has 1 MA's), (284, 15340), (301, 15385), (373, 15568), (388, 15598), (402,

15640), (416, 15670), (441, 15700), (449, 15712), (451, 15715), (487, 15805), (517, 15871), (522, 15886), (553, 15922), (560, 15937), (571, 15955), (589, 15994), (591, 16000), (627, 16084), (651, 16120), (652, 16123), (653, 16126), (657, 16141), (664, 16159), (665, 16162), (684, 16216), (748, 16345), (753, 16357), (758, 16372), (769, 16384), (794, 16456), (795, 16459), (796, 16462), (830, 16558), (861, 16627), (862, 16636), (899, 16765), (901, 16774), (906, 16780),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Jane_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (205, 16739), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 113

Candidate Starts for JangDynasty_56:

(Start: 106 @33552 has 2 MA's), (Start: 113 @33561 has 28 MA's), (Start: 179 @33651 has 33 MA's), (253, 33768), (265, 33804), (275, 33825), (283, 33852), (286, 33858), (299, 33888), (308, 33912), (330, 33963), (394, 34101), (396, 34107), (412, 34158), (413, 34161), (427, 34179), (475, 34230), (482, 34251), (483, 34254), (511, 34302), (512, 34308), (526, 34356), (528, 34362), (531, 34368), (563, 34428), (574, 34452), (575, 34455), (593, 34500), (598, 34515), (601, 34524), (604, 34533), (618, 34578), (628, 34596), (647, 34629), (722, 34767), (730, 34788), (758, 34854), (768, 34884), (784, 34938), (794, 34980), (801, 35001), (807, 35022), (811, 35034), (821, 35055), (844, 35109), (879, 35187), (886, 35223), (892, 35244), (900, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 129

Candidate Starts for Jant_16:

(Start: 129 @14961 has 222 MA's), (199, 15048), (Start: 233 @15093 has 2 MA's), (242, 15117), (283, 15222), (286, 15228), (292, 15246), (305, 15276), (350, 15381), (379, 15441), (389, 15462), (394, 15471), (401, 15495), (475, 15621), (480, 15636), (482, 15642), (504, 15678), (506, 15681), (511, 15693), (512, 15699), (526, 15747), (531, 15759), (535, 15765), (574, 15825), (579, 15837), (593, 15873), (597, 15885), (624, 15960), (628, 15969), (638, 15987), (642, 15993), (652, 16023), (718, 16128), (721, 16137), (722, 16140), (738, 16176), (766, 16254), (794, 16353), (801, 16374), (811, 16407), (826, 16437), (835, 16467), (841, 16476), (844, 16482), (859, 16497), (860, 16500), (865, 16524), (876, 16554), (881, 16566), (886, 16596), (899, 16638),

Gene: Jacob_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Jacob_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (376, 15286), (379, 15292), (383, 15301), (394, 15322), (401, 15346), (413, 15382), (415, 15388), (453, 15421), (455, 15424), (460, 15433), (467, 15448), (469, 15454), (475, 15472), (480, 15487), (482, 15493), (490, 15511), (493, 15514), (504, 15529), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (722, 15991), (738, 16027), (766, 16105), (801, 16225), (811, 16258), (826, 16288), (829, 16300), (835, 16318), (839, 16324), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (864, 16372), (865, 16375), (881, 16417), (886, 16447), (899, 16489), (900, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Jarvi_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 151

Candidate Starts for Jasper_28:

(Start: 151 @20943 has 225 MA's), (Start: 167 @20964 has 5 MA's), (Start: 195 @21006 has 1 MA's), (228, 21051), (315, 21267), (333, 21312), (336, 21321), (353, 21360), (377, 21411), (378, 21414), (476, 21609), (510, 21678), (593, 21879), (594, 21882), (601, 21903), (652, 21999), (653, 22002), (655, 22008), (679, 22077), (684, 22095), (686, 22104), (697, 22134), (731, 22230), (747, 22263), (753, 22278), (795, 22419), (813, 22476), (861, 22587),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 215

Candidate Starts for JasperJr_19:

(187, 16618), (Start: 215 @16654 has 57 MA's), (266, 16756), (296, 16834), (298, 16837), (340, 16933), (357, 16972), (392, 17053), (410, 17107), (415, 17122), (512, 17293), (521, 17323), (604, 17506), (612, 17530), (613, 17533), (625, 17581), (659, 17674), (664, 17686), (682, 17731), (713, 17746), (762, 17878), (763, 17881), (792, 17980), (797, 17998), (813, 18049), (842, 18115), (871, 18178), (876, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Jayhawk_23:

(Start: 118 @17155 has 152 MA's), (143, 17185), (Start: 246 @17344 has 1 MA's), (262, 17377), (273, 17407), (283, 17440), (288, 17452), (317, 17542), (335, 17584), (365, 17656), (369, 17665), (389, 17704), (405, 17749), (412, 17770), (413, 17773), (445, 17827), (459, 17845), (475, 17887), (477, 17893), (487, 17920), (574, 18058), (582, 18076), (597, 18118), (603, 18136), (614, 18166), (628, 18193), (669, 18298), (749, 18457), (762, 18493), (773, 18523), (776, 18532), (795, 18607), (811, 18658), (862, 18757), (889, 18853), (900, 18892), (901, 18895), (910, 18913),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 149

Candidate Starts for Jaykayelowell_27:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 195 @19880 has 1 MA's), (Start: 233 @19934 has 2 MA's), (238, 19949), (Start: 246 @19967 has 1 MA's), (280, 20051), (284, 20063), (285, 20066), (315, 20141), (319, 20156), (336, 20195), (389, 20312), (428, 20399), (472, 20480), (499, 20528), (510, 20552), (542, 20639), (560, 20684), (594, 20756), (601, 20777), (609, 20795), (653, 20876), (684, 20969), (686, 20978), (692, 21002), (697, 21008), (702, 21032), (731, 21086), (744, 21107), (761, 21158), (770, 21182), (786, 21236), (813, 21332), (859, 21437), (862, 21452), (893, 21560), (899, 21578),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 196

Candidate Starts for JeTaime_26:

(Start: 134 @20547 has 130 MA's), (Start: 196 @20631 has 48 MA's), (Start: 246 @20709 has 1 MA's), (280, 20796), (286, 20811), (305, 20859), (320, 20898), (361, 20985), (377, 21018), (394, 21054), (402, 21084), (405, 21090), (458, 21159), (477, 21189), (481, 21201), (482, 21204), (512, 21261), (575, 21393), (578, 21399), (602, 21465), (604, 21471), (612, 21495), (628, 21543), (642, 21567), (647, 21576), (672, 21651), (721, 21702), (726, 21717), (786, 21879), (792, 21906), (801, 21936), (843, 22041), (879, 22119), (886, 22155), (889, 22164), (899, 22197), (906, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 122

Candidate Starts for Jebeks_19:

(Start: 107 @16346 has 2 MA's), (Start: 122 @16370 has 48 MA's), (Start: 170 @16430 has 41 MA's), (183, 16451), (185, 16454), (260, 16574), (274, 16613), (284, 16646), (294, 16670), (344, 16790), (361, 16829), (363, 16835), (399, 16919), (401, 16925), (405, 16937), (413, 16961), (442, 16988), (458, 17006), (473, 17045), (475, 17051), (483, 17075), (512, 17129), (516, 17141), (518, 17150), (545, 17210), (583, 17288), (597, 17327), (609, 17360), (628, 17426), (636, 17441), (642, 17450), (650, 17474), (660, 17504), (667, 17516), (733, 17618), (741, 17630), (744, 17633), (746, 17639), (748, 17648), (784, 17756), (807, 17840), (852, 17939), (889, 18047), (906, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Jeckyll_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Jecs_20 Start: 16953, Stop: 18683, Start Num: 144

Candidate Starts for Jecs_20:

(78, 16836), (119, 16920), (Start: 126 @16932 has 1 MA's), (Start: 144 @16953 has 6 MA's), (280, 17190), (290, 17223), (405, 17508), (427, 17550), (453, 17586), (467, 17616), (475, 17640), (494, 17682), (509, 17709), (547, 17766), (550, 17772), (589, 17859), (738, 18219), (748, 18243), (755, 18261), (795, 18357), (862, 18531), (863, 18534), (887, 18621), (895, 18648),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 149

Candidate Starts for Jeeves_28:

(Start: 146 @19424 has 12 MA's), (Start: 149 @19427 has 636 MA's), (245, 19562), (275, 19631), (285, 19664), (294, 19694), (314, 19736), (315, 19739), (339, 19799), (389, 19910), (405, 19955), (408, 19964), (428, 19997), (470, 20072), (472, 20078), (476, 20081), (506, 20141), (546, 20243), (554, 20270), (587, 20330), (594, 20354), (609, 20393), (653, 20474), (715, 20672), (753, 20759), (755, 20765), (785, 20858), (788, 20873), (859, 21062), (861, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 149

Candidate Starts for Jeffabunny_31:

(98, 19931), (Start: 128 @19973 has 37 MA's), (Start: 149 @19997 has 636 MA's), (285, 20234), (314, 20306), (315, 20309), (319, 20324), (336, 20363), (339, 20369), (389, 20480), (393, 20486), (405, 20525), (428, 20567), (455, 20606), (472, 20648), (476, 20651), (542, 20807), (603, 20948), (609, 20963), (697, 21176), (744, 21275), (753, 21302), (771, 21353), (774, 21362), (785, 21401), (788, 21416), (813, 21500), (859, 21605), (861, 21611), (899, 21746),

Gene: Jeilious_18 Start: 16648, Stop: 18402, Start Num: 137

Candidate Starts for Jeilious_18:

(Start: 111 @16639 has 26 MA's), (Start: 137 @16648 has 56 MA's), (143, 16654), (147, 16660), (238, 16792), (262, 16843), (273, 16873), (280, 16897), (315, 16999), (331, 17038), (333, 17044), (339, 17059), (358, 17104), (408, 17224), (429, 17281), (459, 17320), (477, 17368), (487, 17395), (496, 17407), (532, 17488), (574, 17533), (653, 17731), (662, 17761), (669, 17779), (679, 17806), (722, 17890), (735, 17908), (745, 17923), (761, 17971), (765, 17986), (786, 18049), (801, 18106), (813, 18145), (831, 18187), (862, 18238), (889, 18334), (910, 18394),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for JenCasNa_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335,

20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (777, 21779), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Jennelsea_16 Start: 14762, Stop: 16471, Start Num: 129

Candidate Starts for Jennelsea_16:

(Start: 129 @14762 has 222 MA's), (199, 14849), (Start: 233 @14894 has 2 MA's), (242, 14918), (283, 15023), (286, 15029), (292, 15047), (305, 15077), (350, 15182), (379, 15242), (389, 15263), (394, 15272), (401, 15296), (475, 15422), (480, 15437), (482, 15443), (504, 15479), (506, 15482), (511, 15494), (512, 15500), (526, 15548), (531, 15560), (535, 15566), (574, 15626), (579, 15638), (593, 15674), (597, 15686), (624, 15761), (628, 15770), (638, 15788), (642, 15794), (652, 15824), (718, 15929), (721, 15938), (722, 15941), (738, 15977), (766, 16055), (794, 16154), (801, 16175), (811, 16208), (826, 16238), (835, 16268), (841, 16277), (844, 16283), (859, 16298), (860, 16301), (865, 16325), (876, 16355), (881, 16367), (886, 16397), (899, 16439),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 149

Candidate Starts for JeppNRM_30:

(Start: 149 @20458 has 636 MA's), (Start: 195 @20515 has 1 MA's), (205, 20530), (238, 20584), (245, 20599), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (428, 21034), (510, 21187), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (706, 21682), (730, 21736), (731, 21739), (744, 21760), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 149

Candidate Starts for Jerm_30:

(Start: 128 @20609 has 37 MA's), (Start: 149 @20633 has 636 MA's), (231, 20732), (265, 20816), (284, 20867), (285, 20870), (314, 20942), (315, 20945), (336, 20999), (353, 21038), (389, 21116), (428, 21203), (472, 21284), (476, 21287), (553, 21473), (594, 21560), (648, 21665), (653, 21680), (692, 21806), (697, 21812), (718, 21860), (753, 21938), (755, 21944), (774, 21998), (785, 22037), (788, 22052), (813, 22136), (861, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 151

Candidate Starts for Jerm2_28:

(Start: 151 @21333 has 225 MA's), (Start: 167 @21354 has 5 MA's), (Start: 195 @21396 has 1 MA's), (228, 21441), (315, 21657), (333, 21702), (336, 21711), (353, 21750), (377, 21801), (378, 21804), (476, 21999), (510, 22068), (593, 22269), (594, 22272), (601, 22293), (652, 22389), (653, 22392), (655, 22398), (679, 22467), (684, 22485), (686, 22494), (697, 22524), (731, 22620), (747, 22653), (753, 22668), (795, 22809), (813, 22866), (861, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 163

Candidate Starts for Jester_23:

(Start: 163 @16278 has 3 MA's), (Start: 172 @16293 has 32 MA's), (203, 16335), (223, 16362), (241, 16398), (294, 16539), (315, 16584), (368, 16713), (389, 16755), (397, 16773), (399, 16782), (Start: 407 @16806 has 1 MA's), (416, 16824), (441, 16854), (451, 16869), (453, 16872), (470, 16911), (476, 16920), (514, 17004), (553, 17058), (560, 17073), (587, 17121), (594, 17145), (652, 17259), (679, 17337), (689, 17376), (692, 17388), (698, 17397), (718, 17418), (753, 17496), (809, 17643), (853, 17742), (859, 17757), (906, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for JetBlade_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052),

(284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 149

Candidate Starts for JewelBug_31:

(98, 19915), (Start: 128 @19957 has 37 MA's), (Start: 149 @19981 has 636 MA's), (Start: 246 @20119 has 1 MA's), (273, 20179), (285, 20218), (314, 20290), (315, 20293), (321, 20311), (336, 20347), (339, 20353), (389, 20464), (393, 20470), (405, 20509), (428, 20551), (455, 20590), (472, 20632), (476, 20635), (506, 20695), (603, 20932), (609, 20947), (653, 21028), (683, 21115), (697, 21160), (753, 21286), (771, 21337), (774, 21346), (785, 21385), (786, 21388), (788, 21400), (813, 21484), (859, 21589), (861, 21595), (899, 21730),

Gene: Jiawan_29 Start: 21785, Stop: 23575, Start Num: 149

Candidate Starts for Jiawan_29:

(Start: 146 @21782 has 12 MA's), (Start: 149 @21785 has 636 MA's), (284, 22019), (285, 22022), (314, 22094), (315, 22097), (319, 22112), (336, 22151), (339, 22157), (389, 22268), (428, 22355), (472, 22436), (476, 22439), (553, 22625), (587, 22688), (594, 22712), (596, 22718), (609, 22751), (653, 22832), (692, 22958), (705, 23000), (731, 23060), (747, 23093), (753, 23108), (785, 23207), (786, 23210), (788, 23222), (813, 23306), (842, 23372), (859, 23411), (861, 23417), (872, 23462), (889, 23519), (890, 23522),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 170

Candidate Starts for Jifall16_40:

(Start: 170 @30479 has 41 MA's), (Start: 200 @30515 has 1 MA's), (212, 30533), (Start: 246 @30593 has 1 MA's), (338, 30833), (343, 30845), (347, 30860), (381, 30926), (388, 30941), (399, 30965), (400, 30968), (435, 31052), (454, 31082), (456, 31085), (501, 31142), (518, 31190), (519, 31193), (525, 31214), (587, 31319), (602, 31364), (626, 31406), (717, 31580), (727, 31610), (731, 31616), (779, 31724), (780, 31727), (801, 31802), (886, 32021), (905, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Jinglebell_15:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 129

Candidate Starts for Job42_19:

(Start: 129 @16488 has 222 MA's), (199, 16575), (Start: 233 @16620 has 2 MA's), (242, 16644), (283, 16749), (286, 16755), (292, 16773), (305, 16803), (350, 16908), (379, 16968), (389, 16989), (394, 16998), (401, 17022), (475, 17148), (480, 17163), (482, 17169), (504, 17205), (506, 17208), (511, 17220), (512, 17226), (526, 17274), (531, 17286), (535, 17292), (574, 17352), (579, 17364), (593, 17400), (597, 17412), (624, 17487), (628, 17496), (638, 17514), (642, 17520), (652, 17550), (718, 17655), (721, 17664), (722, 17667), (738, 17703), (766, 17781), (794, 17880), (801, 17901), (811,

17934), (826, 17964), (835, 17994), (841, 18003), (844, 18009), (859, 18024), (860, 18027), (864, 18048), (865, 18051), (876, 18081), (881, 18093), (899, 18165),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 149

Candidate Starts for Jobu08_29:

(Start: 149 @20451 has 636 MA's), (Start: 195 @20508 has 1 MA's), (205, 20523), (231, 20556), (238, 20577), (245, 20592), (280, 20679), (284, 20691), (285, 20694), (315, 20769), (319, 20784), (335, 20820), (428, 21027), (510, 21180), (542, 21267), (593, 21381), (601, 21405), (609, 21423), (653, 21504), (679, 21579), (684, 21597), (692, 21630), (697, 21636), (706, 21675), (730, 21729), (731, 21732), (744, 21753), (763, 21810), (813, 21978), (859, 22083), (861, 22089), (899, 22224),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for JoeyJr_16:

(Start: 129 @14976 has 222 MA's), (199, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (283, 15237), (286, 15243), (292, 15261), (305, 15291), (350, 15396), (379, 15456), (389, 15477), (394, 15486), (401, 15510), (475, 15636), (480, 15651), (482, 15657), (504, 15693), (506, 15696), (511, 15708), (512, 15714), (526, 15762), (531, 15774), (535, 15780), (574, 15840), (579, 15852), (593, 15888), (597, 15900), (624, 15975), (628, 15984), (638, 16002), (642, 16008), (652, 16038), (718, 16143), (721, 16152), (722, 16155), (738, 16191), (766, 16269), (794, 16368), (801, 16389), (811, 16422), (826, 16452), (835, 16482), (841, 16491), (844, 16497), (859, 16512), (860, 16515), (864, 16536), (865, 16539), (881, 16581), (886, 16611), (899, 16653),

Gene: JohnPork_31 Start: 25852, Stop: 27660, Start Num: 85

Candidate Starts for JohnPork_31:

(85, 25852), (Start: 102 @25894 has 86 MA's), (Start: 126 @25930 has 1 MA's), (Start: 153 @25963 has 10 MA's), (274, 26173), (275, 26176), (284, 26206), (307, 26272), (315, 26296), (317, 26305), (332, 26338), (399, 26491), (416, 26530), (453, 26581), (460, 26593), (467, 26611), (471, 26623), (475, 26635), (480, 26650), (496, 26680), (499, 26683), (509, 26704), (554, 26776), (579, 26824), (620, 26935), (649, 26968), (660, 27007), (663, 27010), (686, 27082), (715, 27148), (719, 27160), (795, 27331), (796, 27334), (811, 27382), (824, 27409), (833, 27436), (835, 27442), (859, 27490), (890, 27607), (896, 27628), (907, 27655),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 208

Candidate Starts for Jojo24_18:

(Start: 208 @14985 has 12 MA's), (261, 15084), (267, 15108), (310, 15219), (311, 15222), (317, 15240), (321, 15249), (353, 15315), (360, 15330), (363, 15339), (365, 15345), (404, 15435), (427, 15489), (439, 15498), (482, 15588), (528, 15699), (572, 15771), (574, 15777), (578, 15786), (586, 15804), (616, 15894), (624, 15909), (660, 15993), (667, 16008), (671, 16026), (678, 16038), (731, 16104), (753, 16152), (757, 16164), (761, 16176), (768, 16197), (773, 16209), (777, 16224), (786, 16254), (794, 16290), (862, 16443), (872, 16479), (890, 16542), (896, 16563), (906, 16587), (908, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Jolene_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 147

Candidate Starts for Jolie2_18:

(Start: 137 @15976 has 56 MA's), (143, 15982), (147, 15988), (205, 16066), (238, 16120), (262, 16171), (273, 16201), (280, 16225), (307, 16303), (315, 16327), (333, 16372), (377, 16471), (444, 16627), (459, 16648), (463, 16657), (475, 16690), (477, 16696), (496, 16735), (511, 16765), (574, 16861), (628, 17002), (653, 17059), (669, 17107), (679, 17134), (691, 17182), (692, 17185), (729, 17224), (781, 17350), (801, 17422), (862, 17554), (890, 17653), (903, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 145

Candidate Starts for JonJames_47:

(Start: 145 @32980 has 2 MA's), (192, 33046), (Start: 196 @33052 has 48 MA's), (234, 33109), (294, 33268), (301, 33280), (353, 33406), (375, 33454), (480, 33604), (509, 33655), (512, 33667), (514, 33673), (579, 33814), (587, 33829), (646, 33988), (681, 34096), (761, 34225), (763, 34231), (765, 34240), (786, 34303), (795, 34342), (798, 34351), (813, 34399), (848, 34474), (875, 34534), (887, 34582), (895, 34609), (897, 34618), (899, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Jonghyun_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for JoongJeon_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for JorRay_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 128

Candidate Starts for Jordennis_31:

(98, 19900), (Start: 128 @19942 has 37 MA's), (Start: 149 @19966 has 636 MA's), (273, 20164), (285, 20203), (314, 20275), (315, 20278), (321, 20296), (336, 20332), (339, 20338), (389, 20449), (393, 20455), (428, 20536), (455, 20575), (472, 20617), (476, 20620), (506, 20680), (603, 20917), (609, 20932), (653, 21013), (683, 21100), (697, 21145), (753, 21271), (771, 21322), (774, 21331), (785, 21370), (786, 21373), (788, 21385), (813, 21469), (859, 21574), (861, 21580), (899, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 151

Candidate Starts for Jorgensen_27:

(Start: 151 @20997 has 225 MA's), (Start: 167 @21018 has 5 MA's), (Start: 195 @21060 has 1 MA's), (228, 21105), (315, 21321), (333, 21366), (336, 21375), (353, 21414), (377, 21465), (378, 21468), (476, 21663), (510, 21732), (593, 21933), (594, 21936), (601, 21957), (652, 22053), (653, 22056), (655, 22062), (679, 22131), (684, 22149), (686, 22158), (697, 22188), (731, 22284), (747, 22317), (753, 22332), (795, 22473), (813, 22530), (861, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 149

Candidate Starts for Joselito_28:

(98, 20689), (Start: 128 @20731 has 37 MA's), (Start: 149 @20755 has 636 MA's), (188, 20797), (Start: 246 @20893 has 1 MA's), (255, 20908), (284, 20989), (285, 20992), (315, 21067), (319, 21082), (336, 21121), (339, 21127), (361, 21178), (389, 21238), (393, 21244), (428, 21325), (476, 21409), (526, 21535), (533, 21553), (550, 21580), (609, 21721), (648, 21787), (652, 21799), (653, 21802), (712, 21991), (721, 22018), (726, 22027), (736, 22048), (738, 22051), (747, 22072), (753, 22087), (761, 22111), (785, 22186), (788, 22201), (813, 22285), (859, 22390), (861, 22396), (876, 22450), (907, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 149

Candidate Starts for JoshKayV_30:

(Start: 128 @20579 has 37 MA's), (Start: 149 @20603 has 636 MA's), (231, 20702), (265, 20786), (284, 20837), (285, 20840), (314, 20912), (315, 20915), (336, 20969), (353, 21008), (389, 21086), (428, 21173), (472, 21254), (476, 21257), (594, 21530), (648, 21635), (653, 21650), (692, 21776), (697, 21782), (718, 21830), (721, 21839), (731, 21860), (747, 21893), (753, 21908), (755, 21914), (774, 21968), (785, 22007), (788, 22022), (813, 22106), (861, 22217),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Journey_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 149

Candidate Starts for Journey13_26:

(98, 19258), (Start: 128 @19300 has 37 MA's), (Start: 149 @19324 has 636 MA's), (231, 19423), (Start: 246 @19462 has 1 MA's), (284, 19558), (285, 19561), (314, 19633), (315, 19636), (319, 19651), (336, 19690), (339, 19696), (389, 19807), (393, 19813), (397, 19825), (428, 19894), (463, 19951), (472, 19975), (476, 19978), (526, 20104), (546, 20140), (609, 20290), (648, 20356), (653, 20371), (691, 20494), (712, 20560), (721, 20587), (731, 20608), (736, 20617), (747, 20641), (753, 20656), (761, 20680), (785, 20755), (788, 20770), (859, 20959), (861, 20965), (872, 21010),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 149

Candidate Starts for Jovo_24:

(Start: 149 @19845 has 636 MA's), (Start: 246 @19983 has 1 MA's), (285, 20082), (315, 20157), (335, 20208), (366, 20280), (373, 20295), (389, 20328), (393, 20334), (436, 20427), (487, 20529), (506, 20559), (509, 20565), (542, 20655), (553, 20685), (589, 20757), (593, 20769), (594, 20772), (609, 20811), (615, 20829), (652, 20889), (653, 20892), (670, 20943), (684, 20985), (730, 21126), (749, 21168), (861, 21486), (899, 21621),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for Joy99_23:

(Start: 118 @17117 has 152 MA's), (143, 17147), (Start: 246 @17306 has 1 MA's), (262, 17339), (273, 17369), (283, 17402), (288, 17414), (317, 17504), (335, 17546), (365, 17618), (369, 17627), (389, 17666), (405, 17711), (412, 17732), (413, 17735), (445, 17789), (459, 17807), (475, 17849), (477, 17855), (487, 17882), (574, 18020), (582, 18038), (597, 18080), (603, 18098), (614, 18128), (628, 18155), (669, 18260), (749, 18419), (762, 18455), (773, 18485), (776, 18494), (795, 18569), (811, 18620), (889, 18815), (900, 18854), (901, 18857), (910, 18875),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 149

Candidate Starts for Jsquared_27:

(98, 19023), (Start: 128 @19065 has 37 MA's), (Start: 149 @19089 has 636 MA's), (Start: 246 @19227 has 1 MA's), (255, 19242), (284, 19323), (285, 19326), (314, 19398), (315, 19401), (336, 19455), (339, 19461), (345, 19479), (373, 19539), (389, 19572), (393, 19578), (405, 19617), (428, 19659), (472, 19740), (476, 19743), (506, 19803), (542, 19899), (553, 19929), (593, 20013), (609, 20055), (639, 20106), (653, 20136), (692, 20262), (715, 20325), (747, 20397), (753, 20412), (761, 20436), (785, 20511), (788, 20526), (813, 20610), (859, 20715), (861, 20721), (864, 20739), (872, 20766), (876, 20775),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 215

Candidate Starts for JuJu_19:

(187, 16539), (Start: 215 @16575 has 57 MA's), (266, 16677), (296, 16755), (340, 16854), (357, 16893), (392, 16974), (410, 17028), (415, 17043), (476, 17139), (512, 17214), (521, 17244), (604, 17427), (612, 17451), (659, 17595), (664, 17607), (682, 17652), (713, 17667), (762, 17799), (763, 17802), (792, 17901), (797, 17919), (838, 18030), (842, 18036), (871, 18099), (876, 18111),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for Juice456_18:

(Start: 129 @15928 has 222 MA's), (199, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (283, 16189), (286, 16195), (292, 16213), (305, 16243), (350, 16348), (355, 16354), (379, 16408), (383, 16417), (389, 16429), (394, 16438), (401, 16462), (460, 16549), (467, 16564), (475, 16588), (480, 16603), (482, 16609), (504, 16645), (506, 16648), (511, 16660), (512, 16666), (526, 16714), (531, 16726), (535, 16732), (574, 16792), (579, 16804), (593, 16840), (597, 16852), (604, 16873), (624, 16927), (628, 16936), (638, 16954), (642, 16960), (652, 16990), (718, 17095), (721, 17104), (722, 17107), (738, 17143), (763, 17209), (766, 17221), (794, 17320), (801, 17341), (811, 17374), (826, 17404), (835, 17434), (841, 17443), (844, 17449), (859, 17464), (860, 17467), (865, 17491), (876, 17521), (881, 17533), (886, 17563), (899, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 160

Candidate Starts for Juicebox_19:

(20, 17085), (26, 17160), (27, 17184), (52, 17439), (56, 17457), (79, 17586), (Start: 152 @17718 has 5 MA's), (Start: 160 @17730 has 1 MA's), (Start: 195 @17781 has 1 MA's), (228, 17826), (275, 17943), (359, 18159), (381, 18204), (385, 18213), (480, 18405), (509, 18459), (553, 18531), (652, 18732), (653, 18735), (659, 18762), (661, 18765), (673, 18801), (677, 18807), (684, 18831), (689, 18852), (691, 18861), (697, 18870), (698, 18873), (759, 18990), (792, 19065), (794, 19074), (864, 19260), (865, 19263), (879, 19302), (888, 19341), (907, 19395),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for JuliaChild_29:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (353, 22002), (377, 22053), (378, 22056), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 116

Candidate Starts for Juliette_24:

(Start: 95 @18484 has 1 MA's), (Start: 111 @18514 has 26 MA's), (Start: 116 @18520 has 42 MA's), (Start: 118 @18523 has 152 MA's), (Start: 140 @18538 has 3 MA's), (Start: 171 @18580 has 8 MA's), (205, 18628), (Start: 233 @18667 has 2 MA's), (238, 18682), (Start: 246 @18700 has 1 MA's), (262, 18733), (273, 18763), (288, 18808), (294, 18826), (317, 18898), (319, 18904), (333, 18934), (334, 18937), (361, 19000), (365, 19012), (420, 19147), (427, 19165), (455, 19195), (459, 19201), (467, 19219), (477, 19249), (496, 19288), (574, 19414), (598, 19477), (669, 19678), (686, 19732), (718, 19777), (739, 19822), (749, 19846), (761, 19879), (773, 19912), (792, 19984), (795, 19996), (811, 20047), (813, 20053), (864, 20155), (900, 20281), (910, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 122

Candidate Starts for Jung_19:

(Start: 107 @16287 has 2 MA's), (Start: 122 @16311 has 48 MA's), (Start: 170 @16371 has 41 MA's), (183, 16392), (185, 16395), (260, 16515), (274, 16554), (284, 16587), (294, 16611), (344, 16731), (361, 16770), (363, 16776), (399, 16860), (401, 16866), (405, 16878), (413, 16902), (442, 16929), (458, 16947), (473, 16986), (475, 16992), (483, 17016), (512, 17070), (516, 17082), (518, 17091), (545, 17151), (583, 17229), (597, 17268), (609, 17301), (628, 17367), (642, 17391), (650, 17415), (660, 17445), (733, 17559), (741, 17571), (744, 17574), (746, 17580), (748, 17589), (784, 17697), (807, 17781), (852, 17880), (889, 17988), (906, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 122

Candidate Starts for Juniormint_19:

(Start: 107 @16387 has 2 MA's), (Start: 122 @16411 has 48 MA's), (Start: 170 @16471 has 41 MA's), (183, 16492), (185, 16495), (260, 16615), (274, 16654), (284, 16687), (294, 16711), (344, 16831), (361, 16870), (363, 16876), (399, 16960), (401, 16966), (405, 16978), (413, 17002), (442, 17029), (458, 17047), (473, 17086), (475, 17092), (483, 17116), (512, 17170), (516, 17182), (518, 17191), (545, 17251), (583, 17329), (597, 17368), (609, 17401), (628, 17467), (636, 17482), (642, 17491), (650, 17515), (660, 17545), (667, 17557), (733, 17659), (741, 17671), (744, 17674), (746, 17680), (748, 17689), (784, 17797), (807, 17881), (852, 17980), (889, 18088), (906, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 129

Candidate Starts for Juniper1_16:

(Start: 129 @14801 has 222 MA's), (199, 14888), (Start: 215 @14909 has 57 MA's), (Start: 233 @14933 has 2 MA's), (242, 14957), (253, 14978), (283, 15062), (286, 15068), (292, 15086), (305, 15116), (337, 15188), (350, 15221), (376, 15275), (379, 15281), (388, 15299), (389, 15302), (394, 15311), (401, 15335), (415, 15377), (453, 15410), (460, 15422), (467, 15437), (469, 15443), (475, 15461), (480, 15476), (482, 15482), (504, 15518), (506, 15521), (511, 15533), (512, 15539), (526, 15587), (531, 15599), (535, 15605), (574, 15665), (579, 15677), (593, 15713), (597, 15725), (604, 15746), (624, 15800), (628, 15809), (638, 15827), (642, 15833), (652, 15863), (718, 15968), (721, 15977), (722, 15980), (738, 16016), (754, 16055), (766, 16094), (794, 16193), (801, 16214), (811, 16247), (826, 16277), (835, 16307), (839, 16313), (841, 16316), (844, 16322), (859, 16337), (860, 16340), (864, 16361), (865, 16364), (881, 16406), (899, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 116

Candidate Starts for JustASigh_18:

(1, 15306), (2, 15348), (3, 15354), (5, 15468), (10, 15660), (14, 15693), (19, 15771), (29, 15906), (94, 16320), (Start: 116 @16356 has 42 MA's), (189, 16446), (Start: 213 @16476 has 1 MA's), (Start: 233 @16509 has 2 MA's), (278, 16623), (309, 16722), (365, 16863), (373, 16878), (455, 17034), (459, 17040), (460, 17043), (487, 17115), (499, 17130), (506, 17145), (523, 17196), (573, 17244), (644, 17412), (728, 17604), (792, 17772), (804, 17811), (826, 17865), (835, 17895), (862, 17934), (872, 17970), (877, 17982), (892, 18042),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 149

Candidate Starts for KADY_30:

(Start: 149 @20463 has 636 MA's), (Start: 195 @20520 has 1 MA's), (205, 20535), (231, 20568), (238, 20589), (245, 20604), (280, 20691), (284, 20703), (285, 20706), (315, 20781), (319, 20796), (335, 20832), (428, 21039), (487, 21153), (510, 21192), (542, 21279), (593, 21393), (601, 21417), (609, 21435), (653, 21516), (679, 21591), (684, 21609), (692, 21642), (697, 21648), (706, 21687), (730, 21741), (731, 21744), (744, 21765), (763, 21822), (813, 21990), (859, 22095), (861, 22101), (899, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 151

Candidate Starts for KBG_28:

(Start: 151 @21996 has 225 MA's), (Start: 167 @22017 has 5 MA's), (Start: 195 @22059 has 1 MA's), (228, 22104), (315, 22320), (333, 22365), (336, 22374), (377, 22464), (378, 22467), (476, 22662), (510, 22731), (589, 22920), (593, 22932), (594, 22935), (601, 22956), (652, 23052), (653, 23055), (655, 23061), (679, 23130), (684, 23148), (686, 23157), (697, 23187), (731, 23283), (747, 23316), (753, 23331), (795, 23472), (813, 23529), (861, 23640), (907, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for KFPoly_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (889, 21549), (893, 21564), (899, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 151

Candidate Starts for KSSJEB_27:

(Start: 151 @20890 has 225 MA's), (Start: 167 @20911 has 5 MA's), (Start: 195 @20953 has 1 MA's), (228, 20998), (315, 21214), (333, 21259), (336, 21268), (353, 21307), (377, 21358), (378, 21361), (476, 21556), (510, 21625), (593, 21826), (594, 21829), (601, 21850), (652, 21946), (653, 21949), (655, 21955), (679, 22024), (684, 22042), (686, 22051), (697, 22081), (731, 22177), (747, 22210), (753, 22225), (795, 22366), (813, 22423), (861, 22534),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 170

Candidate Starts for Kabluna_44:

(Start: 170 @29561 has 41 MA's), (Start: 178 @29573 has 57 MA's), (Start: 246 @29675 has 1 MA's), (275, 29759), (347, 29942), (381, 30008), (388, 30023), (399, 30047), (435, 30134), (454, 30164), (456, 30167), (501, 30224), (525, 30296), (587, 30401), (626, 30488), (652, 30536), (717, 30662), (731, 30698), (780, 30809), (801, 30884), (876, 31061), (886, 31103), (905, 31160),

Gene: Kachowdy_27 Start: 19960, Stop: 21759, Start Num: 149

Candidate Starts for Kachowdy_27:

(Start: 149 @19960 has 636 MA's), (Start: 195 @20020 has 1 MA's), (238, 20089), (280, 20191), (284, 20203), (285, 20206), (315, 20281), (319, 20296), (321, 20299), (336, 20335), (397, 20470), (428, 20539), (487, 20653), (542, 20779), (593, 20893), (601, 20917), (606, 20929), (609, 20935), (653, 21016), (679, 21091), (684, 21109), (686, 21118), (692, 21142), (697, 21148), (700, 21163), (715, 21205), (726, 21232), (730, 21241), (731, 21244), (744, 21265), (747, 21277), (813, 21490), (859, 21595), (861, 21601), (899, 21736),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 128

Candidate Starts for Kalah2_37:

(Start: 128 @27936 has 37 MA's), (Start: 196 @28026 has 48 MA's), (229, 28074), (242, 28104), (294, 28233), (307, 28263), (346, 28362), (363, 28398), (377, 28425), (405, 28497), (408, 28506), (415, 28527), (469, 28596), (482, 28635), (483, 28638), (490, 28653), (512, 28692), (526, 28740), (531, 28752), (535, 28758), (561, 28806), (566, 28815), (575, 28836), (583, 28854), (600, 28902), (638, 29004), (660, 29064), (667, 29076), (726, 29160), (731, 29172), (733, 29178), (741, 29190), (744, 29193), (757, 29232), (763, 29250), (776, 29286), (777, 29292), (801, 29379), (834, 29469), (862, 29511), (867, 29529), (877, 29559), (887, 29601), (906, 29655),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 149

Candidate Starts for Kalb97_30:

(Start: 149 @20459 has 636 MA's), (Start: 195 @20516 has 1 MA's), (205, 20531), (238, 20585), (245, 20600), (280, 20687), (284, 20699), (285, 20702), (315, 20777), (319, 20792), (428, 21035), (510, 21188), (542, 21275), (587, 21368), (593, 21389), (601, 21413), (606, 21425), (609, 21431), (653, 21512), (679, 21587), (684, 21605), (686, 21614), (692, 21638), (697, 21644), (700, 21659), (706, 21683), (730, 21737), (731, 21740), (744, 21761), (859, 22091), (861, 22097), (899, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Kalnoky_30:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (813, 21987), (859, 22092), (861, 22098), (899, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 128

Candidate Starts for Kalpine_31:

(Start: 128 @21962 has 37 MA's), (Start: 149 @21986 has 636 MA's), (284, 22220), (285, 22223), (314, 22295), (315, 22298), (336, 22352), (339, 22358), (353, 22391), (389, 22469), (428, 22556), (472, 22637), (476, 22640), (487, 22670), (593, 22910), (594, 22913), (609, 22952), (648, 23018), (653, 23033), (697, 23165), (718, 23213), (731, 23243), (747, 23276), (753, 23291), (755, 23297), (774, 23351), (788, 23405), (813, 23489), (842, 23555), (849, 23567), (859, 23594), (861, 23600),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 149

Candidate Starts for Kamaru_20:

(119, 16382), (Start: 149 @16421 has 636 MA's), (Start: 156 @16433 has 1 MA's), (185, 16472), (Start: 215 @16511 has 57 MA's), (231, 16532), (253, 16580), (257, 16589), (273, 16631), (284, 16667), (304, 16724), (319, 16772), (332, 16799), (395, 16940), (416, 16997), (427, 17015), (436, 17024), (441, 17030), (467, 17078), (477, 17108), (494, 17144), (499, 17150), (509, 17171), (510, 17174), (525, 17225), (554, 17252), (555, 17255), (571, 17282), (584, 17309), (611, 17381), (637, 17420), (663, 17474), (678, 17516), (701, 17591), (736, 17654), (748, 17681), (749, 17684), (755, 17699), (792, 17783), (794, 17792), (795, 17795), (797, 17801), (801, 17813), (803, 17816), (812, 17846), (814, 17852), (824, 17873), (826, 17876), (849, 17930), (861, 17960), (862, 17969), (878, 18020), (886, 18053), (890, 18065), (895, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 102

Candidate Starts for Kamashten_34:

(94, 30795), (Start: 102 @30813 has 86 MA's), (Start: 126 @30849 has 1 MA's), (231, 30987), (272, 31083), (275, 31092), (297, 31161), (315, 31212), (333, 31257), (339, 31272), (377, 31353), (397, 31398), (399, 31407), (416, 31446), (453, 31497), (455, 31500), (467, 31527), (472, 31542), (480, 31566), (496, 31596), (558, 31701), (609, 31818), (616, 31836), (620, 31851), (648, 31881), (652, 31893), (653, 31896), (660, 31923), (795, 32247), (796, 32250), (811, 32298), (824, 32325), (833, 32352), (859, 32406), (865, 32433), (901, 32562),

Gene: Kamy_27 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for Kamy_27:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 151

Candidate Starts for Kanely_28:

(Start: 151 @21700 has 225 MA's), (Start: 167 @21721 has 5 MA's), (Start: 195 @21763 has 1 MA's), (228, 21808), (315, 22024), (333, 22069), (336, 22078), (353, 22117), (377, 22168), (378, 22171), (476, 22366), (510, 22435), (593, 22636), (594, 22639), (601, 22660), (652, 22756), (653, 22759), (655, 22765), (679, 22834), (684, 22852), (686, 22861), (697, 22891), (731, 22987), (747, 23020), (753, 23035), (795, 23176), (813, 23233), (861, 23344),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 134

Candidate Starts for Kanye_26:

(Start: 134 @20732 has 130 MA's), (Start: 196 @20816 has 48 MA's), (Start: 246 @20894 has 1 MA's), (280, 20981), (286, 20996), (305, 21044), (320, 21083), (361, 21170), (377, 21203), (394, 21239), (402, 21269), (405, 21275), (458, 21344), (477, 21374), (481, 21386), (482, 21389), (512, 21446), (575, 21578), (578, 21584), (602, 21650), (604, 21656), (612, 21680), (628, 21728), (642, 21752), (647, 21761), (672, 21836), (721, 21887), (726, 21902), (786, 22064), (792, 22091), (801, 22121), (843, 22226), (879, 22304), (886, 22340), (889, 22349), (899, 22382), (906, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 215

Candidate Starts for KappaFarmDelta_19:

(187, 16782), (Start: 215 @16818 has 57 MA's), (266, 16920), (296, 16998), (340, 17097), (357, 17136), (374, 17181), (392, 17217), (410, 17271), (415, 17286), (447, 17319), (471, 17367), (472, 17370), (512, 17457), (521, 17487), (604, 17670), (612, 17694), (659, 17838), (664, 17850), (713, 17910), (762, 18042), (763, 18045), (792, 18144), (797, 18162), (813, 18213), (838, 18273), (842, 18279), (871, 18342), (876, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Kareem_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 129

Candidate Starts for Karhdo_16:

(Start: 129 @14934 has 222 MA's), (199, 15021), (Start: 233 @15066 has 2 MA's), (242, 15090), (265, 15147), (283, 15195), (286, 15201), (292, 15219), (305, 15249), (350, 15354), (376, 15408), (379, 15414), (383, 15423), (389, 15435), (394, 15444), (401, 15468), (413, 15504), (415, 15510), (427, 15522), (453, 15543), (455, 15546), (460, 15555), (467, 15570), (469, 15576), (475, 15594), (480, 15609), (482, 15615), (490, 15633), (493, 15636), (504, 15651), (511, 15666), (512, 15672), (521, 15702), (526, 15720), (531, 15732), (535, 15738), (574, 15798), (579, 15810), (593, 15846), (597, 15858), (604, 15879), (624, 15933), (628, 15942), (642, 15966), (652, 15996), (718, 16101), (722,

16113), (738, 16149), (754, 16188), (766, 16227), (794, 16326), (801, 16347), (811, 16380), (826, 16410), (835, 16440), (841, 16449), (844, 16455), (859, 16470), (860, 16473), (864, 16494), (865, 16497), (881, 16539), (886, 16569), (899, 16611), (900, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Kari_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 111

Candidate Starts for Kasen3_18:

(Start: 111 @16641 has 26 MA's), (Start: 137 @16650 has 56 MA's), (143, 16656), (147, 16662), (238, 16794), (262, 16845), (273, 16875), (280, 16899), (315, 17001), (331, 17040), (333, 17046), (339, 17061), (358, 17106), (408, 17226), (429, 17283), (459, 17322), (477, 17370), (487, 17397), (496, 17409), (532, 17490), (574, 17535), (653, 17733), (662, 17763), (669, 17781), (679, 17808), (722, 17892), (735, 17910), (745, 17925), (761, 17973), (765, 17988), (786, 18051), (801, 18108), (813, 18147), (831, 18189), (862, 18240), (889, 18336), (910, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 128

Candidate Starts for KashFlow_28:

(Start: 128 @23344 has 37 MA's), (Start: 196 @23434 has 48 MA's), (199, 23437), (257, 23539), (280, 23605), (294, 23641), (307, 23671), (312, 23686), (346, 23770), (363, 23806), (377, 23833), (395, 23872), (405, 23905), (408, 23914), (455, 23971), (472, 24013), (509, 24088), (512, 24100), (531, 24160), (561, 24214), (575, 24244), (583, 24262), (588, 24271), (598, 24304), (602, 24316), (604, 24322), (616, 24361), (642, 24418), (726, 24568), (733, 24586), (753, 24628), (761, 24652), (762, 24655), (766, 24670), (777, 24700), (786, 24730), (801, 24787), (867, 24937), (901, 25057), (906, 25063),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 149

Candidate Starts for Katalie136_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19886 has 1 MA's), (238, 19955), (273, 20033), (280, 20057), (284, 20069), (285, 20072), (302, 20108), (315, 20147), (336, 20201), (378, 20294), (389, 20318), (428, 20405), (487, 20519), (510, 20558), (542, 20645), (560, 20690), (593, 20759), (601, 20783), (606, 20795), (653, 20882), (679, 20957), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (700, 21029), (712, 21062), (730, 21107), (731, 21110), (744, 21131), (813, 21356), (849, 21434), (859, 21461), (861, 21467), (899, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 149

Candidate Starts for KatherineG_30:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 149

Candidate Starts for KayGee_18:

(Start: 139 @15415 has 9 MA's), (Start: 149 @15418 has 636 MA's), (226, 15517), (Start: 246 @15559 has 1 MA's), (335, 15799), (373, 15886), (384, 15907), (388, 15916), (398, 15943), (416, 15988), (441, 16021), (451, 16036), (463, 16060), (475, 16093), (487, 16126), (496, 16138), (518, 16195), (548, 16225), (553, 16243), (569, 16273), (584, 16303), (606, 16366), (634, 16417), (653, 16453), (657, 16468), (664, 16486), (684, 16543), (686, 16552), (748, 16672), (753, 16684), (781, 16732), (794, 16783), (795, 16786), (801, 16804), (830, 16882), (842, 16909), (861, 16951), (901, 17098), (906, 17104),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 149

Candidate Starts for Kazan_31:

(98, 19916), (Start: 128 @19958 has 37 MA's), (Start: 149 @19982 has 636 MA's), (273, 20180), (285, 20219), (314, 20291), (315, 20294), (321, 20312), (336, 20348), (339, 20354), (389, 20465), (393, 20471), (405, 20510), (428, 20552), (455, 20591), (472, 20633), (476, 20636), (506, 20696), (603, 20933), (609, 20948), (653, 21029), (697, 21161), (753, 21287), (771, 21338), (774, 21347), (785, 21386), (786, 21389), (788, 21401), (813, 21485), (859, 21590), (861, 21596), (899, 21731),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 141

Candidate Starts for Keelan_51:

(Start: 141 @27923 has 6 MA's), (231, 28037), (302, 28223), (319, 28277), (389, 28433), (439, 28535), (467, 28583), (487, 28640), (589, 28817), (610, 28874), (614, 28883), (652, 28946), (684, 29042), (686, 29051), (717, 29108), (753, 29183), (758, 29198), (794, 29282), (824, 29363), (826, 29366), (830, 29381), (861, 29450), (896, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 102

Candidate Starts for Keitabear_35:

(94, 32160), (Start: 102 @32178 has 86 MA's), (Start: 126 @32214 has 1 MA's), (231, 32352), (272, 32448), (275, 32457), (297, 32526), (315, 32577), (333, 32622), (339, 32637), (377, 32718), (397, 32763), (399, 32772), (453, 32862), (467, 32892), (472, 32907), (480, 32931), (496, 32961), (558, 33066), (609, 33183), (616, 33201), (620, 33216), (652, 33258), (653, 33261), (660, 33288), (792, 33600), (795, 33612), (796, 33615), (811, 33663), (824, 33690), (833, 33717), (859, 33771), (890, 33888), (907, 33936),

Gene: KekoraPapaka_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for KekoraPapaka_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 151

Candidate Starts for Kenmech_30:

(Start: 151 @22406 has 225 MA's), (Start: 167 @22427 has 5 MA's), (Start: 195 @22469 has 1 MA's), (228, 22514), (315, 22730), (333, 22775), (336, 22784), (353, 22823), (377, 22874), (378, 22877), (476, 23072), (510, 23141), (593, 23342), (594, 23345), (601, 23366), (652, 23462), (653, 23465), (655, 23471), (679, 23540), (684, 23558), (686, 23567), (697, 23597), (731, 23693), (747, 23726), (753, 23741), (795, 23882), (813, 23939), (861, 24050),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 149

Candidate Starts for Kenna_19:

(119, 16389), (Start: 149 @16428 has 636 MA's), (Start: 156 @16440 has 1 MA's), (185, 16479), (Start: 215 @16518 has 57 MA's), (231, 16539), (253, 16587), (257, 16596), (273, 16638), (284, 16674), (304, 16731), (319, 16779), (332, 16806), (395, 16947), (416, 17004), (427, 17022), (436, 17031), (441, 17037), (477, 17115), (494, 17151), (499, 17157), (509, 17178), (510, 17181), (525, 17232), (554, 17259), (555, 17262), (571, 17289), (584, 17316), (611, 17388), (637, 17427), (663, 17481), (678, 17523), (701, 17598), (736, 17661), (748, 17688), (749, 17691), (755, 17706), (792, 17790), (794, 17799), (795, 17802), (797, 17808), (801, 17820), (803, 17823), (812, 17853), (814, 17859), (824, 17880), (826, 17883), (849, 17937), (861, 17967), (862, 17976), (878, 18027), (886, 18060), (890, 18072), (895, 18090),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 129

Candidate Starts for Kenuha5_16:

(Start: 129 @14929 has 222 MA's), (199, 15016), (Start: 233 @15061 has 2 MA's), (242, 15085), (283, 15190), (286, 15196), (292, 15214), (305, 15244), (350, 15349), (379, 15409), (389, 15430), (394, 15439), (401, 15463), (415, 15505), (453, 15538), (460, 15550), (467, 15565), (469, 15571), (475, 15589), (480, 15604), (482, 15610), (504, 15646), (506, 15649), (511, 15661), (512, 15667), (515, 15676), (526, 15715), (531, 15727), (535, 15733), (574, 15793), (579, 15805), (593, 15841), (597, 15853), (624, 15928), (628, 15937), (638, 15955), (642, 15961), (652, 15991), (718, 16096), (721, 16105), (722, 16108), (738, 16144), (766, 16222), (801, 16342), (826, 16405), (835, 16435), (841, 16444), (844, 16450), (859, 16465), (860, 16468), (865, 16492), (876, 16522), (881, 16534), (899, 16606),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for Kerberos_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (255, 20202), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 118

Candidate Starts for Keshu_22:

(Start: 111 @17570 has 26 MA's), (Start: 118 @17579 has 152 MA's), (204, 17681), (238, 17738), (262, 17789), (273, 17819), (280, 17843), (365, 18074), (369, 18083), (377, 18095), (412, 18188), (413, 18191), (459, 18263), (463, 18272), (475, 18305), (477, 18311), (496, 18350), (512, 18386), (574, 18476), (598, 18539), (635, 18626), (669, 18719), (691, 18794), (749, 18875), (765, 18923), (775, 18947), (782, 18974), (797, 19031), (811, 19076), (862, 19178), (870, 19205), (886, 19265), (889, 19274), (895, 19295), (900, 19313), (903, 19319), (910, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 134

Candidate Starts for Kevin1_18:

(Start: 134 @14957 has 130 MA's), (155, 14984), (Start: 233 @15089 has 2 MA's), (237, 15101), (254, 15137), (274, 15188), (280, 15209), (283, 15218), (286, 15224), (294, 15245), (301, 15257), (376, 15431), (379, 15437), (388, 15455), (394, 15467), (395, 15470), (401, 15491), (453, 15566), (467, 15593), (475, 15617), (476, 15620), (480, 15632), (504, 15674), (511, 15689), (512, 15695), (515, 15704), (526, 15743), (554, 15797), (574, 15821), (597, 15881), (618, 15947), (624, 15956), (628, 15965), (651, 16016), (652, 16019), (718, 16124), (738, 16172), (763, 16238), (785, 16310), (835, 16463), (841, 16472), (859, 16493), (862, 16508), (865, 16520), (879, 16556), (881, 16562),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 102

Candidate Starts for Kewpiedoll_34:

(94, 30202), (Start: 102 @30220 has 86 MA's), (Start: 126 @30256 has 1 MA's), (231, 30394), (272, 30490), (275, 30499), (297, 30568), (315, 30619), (333, 30664), (339, 30679), (377, 30760), (397, 30805), (399, 30814), (453, 30904), (467, 30934), (472, 30949), (480, 30973), (496, 31003), (558, 31108), (609, 31225), (616, 31243), (620, 31258), (648, 31288), (652, 31300), (653, 31303), (660, 31330), (795, 31654), (796, 31657), (811, 31705), (824, 31732), (833, 31759), (859, 31813), (865, 31840), (901, 31969),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 149

Candidate Starts for Keziacharles14_28:

(Start: 146 @19839 has 12 MA's), (Start: 149 @19842 has 636 MA's), (257, 19998), (285, 20079), (314, 20151), (315, 20154), (319, 20169), (336, 20208), (339, 20214), (361, 20265), (373, 20292), (377, 20298), (389, 20325), (393, 20331), (408, 20379), (428, 20412), (472, 20493), (476, 20496), (506, 20556), (553, 20682), (587, 20745), (639, 20859), (653, 20889), (658, 20907), (712, 21069), (731, 21117), (747, 21150), (753, 21165), (761, 21189), (785, 21264), (788, 21279), (813, 21363), (850, 21444), (859, 21468), (872, 21519), (889, 21576),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 116

Candidate Starts for KiSi_22:

(Start: 95 @16286 has 1 MA's), (Start: 111 @16316 has 26 MA's), (Start: 116 @16322 has 42 MA's), (143, 16349), (165, 16376), (238, 16490), (262, 16541), (283, 16604), (317, 16706), (319, 16712), (348, 16784), (365, 16820), (369, 16829), (389, 16868), (406, 16916), (412, 16934), (427, 16973), (428, 16976), (445, 16991), (455, 17003), (459, 17009), (475, 17051), (477, 17057), (487, 17084), (574, 17222), (582, 17240), (588, 17252), (614, 17330), (649, 17402), (653, 17414), (669, 17462), (691, 17537), (749, 17621), (761, 17654), (763, 17660), (773, 17687), (795, 17771), (797, 17777), (811, 17822), (813, 17828), (862, 17921), (889, 18017), (910, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 170

Candidate Starts for KidneyBean_41:

(Start: 170 @30603 has 41 MA's), (Start: 200 @30639 has 1 MA's), (212, 30657), (Start: 246 @30717 has 1 MA's), (338, 30957), (343, 30969), (347, 30984), (381, 31050), (388, 31065), (399, 31089), (400, 31092), (435, 31176), (454, 31206), (456, 31209), (501, 31266), (518, 31314), (519, 31317), (525, 31338), (587, 31443), (602, 31488), (626, 31530), (717, 31704), (727, 31734), (731, 31740), (779, 31848), (780, 31851), (801, 31926), (886, 32145), (905, 32202),

Gene: KikiBouba_30 Start: 22424, Stop: 24226, Start Num: 151

Candidate Starts for KikiBouba_30:

(Start: 151 @22424 has 225 MA's), (Start: 167 @22445 has 5 MA's), (Start: 195 @22487 has 1 MA's), (228, 22532), (315, 22748), (333, 22793), (336, 22802), (353, 22841), (377, 22892), (378, 22895), (476, 23090), (510, 23159), (593, 23360), (594, 23363), (601, 23384), (652, 23480), (653, 23483), (655, 23489), (679, 23558), (684, 23576), (686, 23585), (697, 23615), (731, 23711), (747, 23744), (753, 23759), (763, 23789), (795, 23900), (813, 23957), (861, 24068), (907, 24221),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 154

Candidate Starts for Kiko_20:

(119, 16663), (Start: 126 @16675 has 1 MA's), (Start: 154 @16705 has 7 MA's), (253, 16858), (275, 16915), (280, 16933), (284, 16945), (290, 16966), (317, 17044), (364, 17152), (377, 17176), (388, 17200), (416, 17272), (453, 17323), (494, 17419), (510, 17449), (547, 17503), (550, 17509), (571, 17557), (629, 17683), (684, 17818), (685, 17824), (686, 17827), (713, 17893), (755, 17980), (795, 18076), (796, 18079), (801, 18094), (824, 18154), (863, 18253), (864, 18259), (890, 18346), (906, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for KilKor_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's),
(183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693),
(361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891),
(458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053),
(545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377),
(660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743),
(852, 17842), (889, 17950), (906, 17998),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 151

Candidate Starts for Killigrew_25:

(Start: 151 @20612 has 225 MA's), (Start: 167 @20633 has 5 MA's), (Start: 195 @20675 has 1 MA's),
(228, 20720), (315, 20936), (333, 20981), (336, 20990), (377, 21080), (378, 21083), (476, 21278),
(510, 21347), (593, 21548), (594, 21551), (601, 21572), (652, 21668), (653, 21671), (655, 21677),
(679, 21746), (684, 21764), (686, 21773), (697, 21803), (731, 21899), (747, 21932), (753, 21947),
(795, 22088), (813, 22145), (861, 22256), (907, 22409),

Gene: Kimba_28 Start: 20807, Stop: 22606, Start Num: 149

Candidate Starts for Kimba_28:

(98, 20741), (Start: 128 @20783 has 37 MA's), (Start: 149 @20807 has 636 MA's), (188, 20849),
(Start: 246 @20945 has 1 MA's), (255, 20960), (284, 21041), (285, 21044), (315, 21119), (319, 21134),
(336, 21173), (339, 21179), (361, 21230), (389, 21290), (393, 21296), (428, 21377), (476, 21461),
(526, 21587), (533, 21605), (550, 21632), (609, 21773), (648, 21839), (652, 21851), (653, 21854),
(712, 22043), (721, 22070), (726, 22079), (736, 22100), (738, 22103), (747, 22124), (753, 22139),
(761, 22163), (785, 22238), (788, 22253), (813, 22337), (859, 22442), (861, 22448), (876, 22502),
(907, 22601),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for Kimberlium_18:

(Start: 129 @15928 has 222 MA's), (199, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (283,
16189), (286, 16195), (292, 16213), (305, 16243), (350, 16348), (355, 16354), (379, 16408), (383,
16417), (389, 16429), (394, 16438), (401, 16462), (460, 16549), (467, 16564), (475, 16588), (480,
16603), (482, 16609), (504, 16645), (506, 16648), (511, 16660), (512, 16666), (526, 16714), (531,
16726), (535, 16732), (574, 16792), (579, 16804), (593, 16840), (597, 16852), (604, 16873), (624,
16927), (628, 16936), (638, 16954), (642, 16960), (652, 16990), (718, 17095), (721, 17104), (722,
17107), (738, 17143), (763, 17209), (766, 17221), (794, 17320), (801, 17341), (811, 17374), (826,
17404), (835, 17434), (841, 17443), (844, 17449), (859, 17464), (860, 17467), (865, 17491), (876,
17521), (881, 17533), (886, 17563), (899, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 134

Candidate Starts for Kimchi_26:

(Start: 134 @19739 has 130 MA's), (Start: 196 @19823 has 48 MA's), (Start: 246 @19901 has 1
MA's), (280, 19988), (286, 20003), (305, 20051), (320, 20090), (361, 20177), (377, 20210), (394,
20246), (402, 20276), (405, 20282), (458, 20351), (477, 20381), (481, 20393), (482, 20396), (512,
20453), (575, 20585), (578, 20591), (602, 20657), (604, 20663), (612, 20687), (628, 20735), (642,
20759), (647, 20768), (672, 20843), (721, 20894), (726, 20909), (786, 21071), (792, 21098), (801,
21128), (843, 21233), (879, 21311), (886, 21347), (889, 21356), (899, 21389), (906, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 171

Candidate Starts for Kimchi1738_31:

(Start: 171 @27570 has 8 MA's), (249, 27669), (273, 27738), (285, 27777), (336, 27912), (363, 27972),
(438, 28125), (446, 28137), (452, 28146), (454, 28149), (492, 28194), (501, 28209), (506, 28218),
(510, 28227), (525, 28281), (533, 28299), (570, 28353), (666, 28569), (722, 28662), (774, 28770),
(788, 28824), (810, 28899), (866, 29028), (904, 29154),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 102

Candidate Starts for KimmyK_33:

(85, 26533), (Start: 102 @26575 has 86 MA's), (Start: 126 @26611 has 1 MA's), (Start: 153 @26644 has 10 MA's), (274, 26854), (275, 26857), (284, 26887), (307, 26953), (315, 26977), (317, 26986), (332, 27019), (399, 27172), (416, 27211), (453, 27262), (460, 27274), (467, 27292), (471, 27304), (475, 27316), (480, 27331), (496, 27361), (499, 27364), (509, 27385), (554, 27457), (579, 27505), (620, 27616), (649, 27649), (660, 27688), (663, 27691), (686, 27763), (715, 27829), (719, 27841), (795, 28012), (796, 28015), (811, 28063), (824, 28090), (833, 28117), (859, 28171), (890, 28288), (896, 28309), (907, 28336),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 149

Candidate Starts for Kimona_24:

(Start: 149 @17863 has 636 MA's), (Start: 171 @17884 has 8 MA's), (238, 17986), (240, 17989), (Start: 246 @18004 has 1 MA's), (284, 18100), (285, 18103), (315, 18178), (319, 18193), (336, 18232), (377, 18322), (397, 18367), (428, 18436), (476, 18520), (487, 18550), (506, 18580), (509, 18586), (514, 18604), (542, 18676), (560, 18721), (593, 18790), (601, 18814), (606, 18826), (609, 18832), (653, 18913), (684, 19006), (686, 19015), (697, 19045), (700, 19060), (730, 19138), (731, 19141), (744, 19162), (793, 19324), (813, 19387), (858, 19489), (861, 19498), (886, 19591), (891, 19609), (907, 19651),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Kinbote_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 149

Candidate Starts for KingCyrus_30:

(Start: 128 @20576 has 37 MA's), (Start: 149 @20600 has 636 MA's), (231, 20699), (265, 20783), (284, 20834), (285, 20837), (314, 20909), (315, 20912), (336, 20966), (353, 21005), (373, 21050), (389, 21083), (428, 21170), (472, 21251), (476, 21254), (594, 21527), (648, 21632), (653, 21647), (692, 21773), (697, 21779), (718, 21827), (721, 21836), (731, 21857), (747, 21890), (753, 21905), (755, 21911), (774, 21965), (785, 22004), (788, 22019), (813, 22103), (861, 22214),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 129

Candidate Starts for KingJulian_16:

(Start: 129 @14843 has 222 MA's), (199, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (283, 15104), (286, 15110), (292, 15128), (305, 15158), (350, 15263), (379, 15323), (389, 15344), (394, 15353), (399, 15371), (401, 15377), (475, 15503), (480, 15518), (482, 15524), (504, 15560), (506, 15563), (511, 15575), (512, 15581), (526, 15629), (531, 15641), (535, 15647), (574, 15707), (579, 15719), (593, 15755), (597, 15767), (624, 15842), (628, 15851), (638, 15869), (642, 15875), (652, 15905), (718, 16010), (721, 16019), (722, 16022), (738, 16058), (766, 16136), (794, 16235), (801, 16256), (811, 16289), (826, 16319), (835, 16349), (841, 16358), (844, 16364), (859, 16379), (860, 16382), (865, 16406), (876, 16436), (881, 16448), (886, 16478), (899, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 129

Candidate Starts for KingMidas_17:

(Start: 129 @16108 has 222 MA's), (199, 16195), (Start: 233 @16240 has 2 MA's), (242, 16264), (283, 16369), (286, 16375), (292, 16393), (305, 16423), (350, 16528), (379, 16588), (383, 16597), (394, 16618), (401, 16642), (413, 16678), (415, 16684), (453, 16717), (455, 16720), (460, 16729), (467, 16744), (469, 16750), (475, 16768), (480, 16783), (482, 16789), (490, 16807), (493, 16810), (504, 16825), (506, 16828), (511, 16840), (512, 16846), (526, 16894), (531, 16906), (535, 16912), (574, 16972), (579, 16984), (593, 17020), (597, 17032), (624, 17107), (628, 17116), (638, 17134), (642, 17140), (652, 17170), (718, 17275), (721, 17284), (722, 17287), (738, 17323), (766, 17401), (794, 17500), (801, 17521), (811, 17554), (826, 17584), (829, 17596), (835, 17614), (839, 17620), (841, 17623), (844, 17629), (859, 17644), (860, 17647), (864, 17668), (865, 17671), (881, 17713), (899, 17785), (900, 17791),

Gene: KingPhillip3_55 Start: 33490, Stop: 35226, Start Num: 113

Candidate Starts for KingPhillip3_55:

(Start: 106 @33481 has 2 MA's), (Start: 113 @33490 has 28 MA's), (Start: 179 @33580 has 33 MA's), (253, 33697), (265, 33733), (275, 33754), (283, 33781), (286, 33787), (299, 33817), (308, 33841), (330, 33892), (394, 34030), (396, 34036), (412, 34087), (413, 34090), (427, 34108), (475, 34159), (482, 34180), (483, 34183), (511, 34231), (512, 34237), (526, 34285), (528, 34291), (531, 34297), (563, 34357), (574, 34381), (575, 34384), (593, 34429), (598, 34444), (601, 34453), (604, 34462), (618, 34507), (628, 34525), (647, 34558), (722, 34696), (730, 34717), (758, 34783), (768, 34813), (784, 34867), (794, 34909), (801, 34930), (807, 34951), (811, 34963), (821, 34984), (844, 35038), (879, 35116), (886, 35152), (892, 35173), (900, 35200),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 149

Candidate Starts for Kingmustik0402_27:

(Start: 128 @19795 has 37 MA's), (Start: 149 @19819 has 636 MA's), (Start: 195 @19876 has 1 MA's), (Start: 233 @19930 has 2 MA's), (238, 19945), (Start: 246 @19963 has 1 MA's), (280, 20047), (284, 20059), (285, 20062), (315, 20137), (319, 20152), (336, 20191), (389, 20308), (428, 20395), (472, 20476), (499, 20524), (510, 20548), (542, 20635), (560, 20680), (594, 20752), (601, 20773), (609, 20791), (653, 20872), (684, 20965), (686, 20974), (692, 20998), (697, 21004), (702, 21028), (731, 21082), (744, 21103), (761, 21154), (770, 21178), (786, 21232), (813, 21328), (859, 21433), (862, 21448), (893, 21556), (899, 21574),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 129

Candidate Starts for Kingsley_17:

(Start: 129 @14662 has 222 MA's), (199, 14749), (Start: 233 @14794 has 2 MA's), (242, 14818), (283, 14923), (286, 14929), (292, 14947), (305, 14977), (350, 15082), (379, 15142), (389, 15163), (394, 15172), (401, 15196), (475, 15322), (480, 15337), (482, 15343), (504, 15379), (506, 15382), (511, 15394), (512, 15400), (526, 15448), (531, 15460), (535, 15466), (574, 15526), (579, 15538), (593, 15574), (597, 15586), (624, 15661), (628, 15670), (638, 15688), (642, 15694), (652, 15724), (718, 15829), (721, 15838), (722, 15841), (738, 15877), (766, 15955), (794, 16054), (801, 16075), (811, 16108), (826, 16138), (835, 16168), (841, 16177), (844, 16183), (859, 16198), (860, 16201), (865, 16225), (876, 16255), (881, 16267), (886, 16297), (899, 16339),

Gene: Kinmap_29 Start: 19779, Stop: 21569, Start Num: 149

Candidate Starts for Kinmap_29:

(Start: 149 @19779 has 636 MA's), (284, 20013), (285, 20016), (314, 20088), (315, 20091), (336, 20145), (428, 20349), (472, 20430), (510, 20502), (542, 20589), (594, 20706), (606, 20739), (653, 20826), (726, 21042), (731, 21054), (753, 21102), (785, 21201), (813, 21300), (849, 21378), (861, 21411), (864, 21429), (876, 21465), (899, 21546),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for Kipper29_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (405, 20504), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Kita_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 149

Candidate Starts for KittenMittens_26:

(Start: 128 @17865 has 37 MA's), (Start: 149 @17889 has 636 MA's), (Start: 195 @17946 has 1 MA's), (205, 17961), (238, 18015), (284, 18129), (285, 18132), (315, 18207), (331, 18246), (389, 18378), (428, 18465), (470, 18540), (487, 18579), (510, 18618), (542, 18705), (560, 18750), (593, 18819), (601, 18843), (606, 18855), (609, 18861), (684, 19035), (686, 19044), (692, 19068), (697, 19074), (700, 19089), (718, 19122), (744, 19173), (763, 19230), (764, 19236), (813, 19398), (859, 19503), (861, 19509), (862, 19518), (899, 19644),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 128

Candidate Starts for Klein_37:

(Start: 128 @26895 has 37 MA's), (Start: 196 @26985 has 48 MA's), (229, 27033), (242, 27063), (257, 27090), (294, 27192), (307, 27222), (346, 27321), (363, 27357), (365, 27363), (377, 27384), (405, 27456), (408, 27465), (415, 27486), (482, 27594), (483, 27597), (490, 27612), (512, 27651), (526, 27699), (531, 27711), (535, 27717), (561, 27765), (566, 27774), (575, 27795), (583, 27813), (600, 27861), (638, 27963), (667, 28035), (683, 28080), (685, 28092), (694, 28227), (695, 28233), (696, 28257), (708, 28329), (716, 28356), (802, 28605),

Gene: Klodlith_28 Start: 19699, Stop: 21489, Start Num: 149

Candidate Starts for Klodlith_28:

(98, 19633), (Start: 128 @19675 has 37 MA's), (Start: 149 @19699 has 636 MA's), (284, 19933), (285, 19936), (314, 20008), (315, 20011), (321, 20029), (336, 20065), (339, 20071), (361, 20122), (373, 20149), (377, 20155), (389, 20182), (393, 20188), (428, 20269), (472, 20350), (476, 20353), (506, 20413), (587, 20602), (609, 20665), (639, 20716), (653, 20746), (692, 20872), (731, 20974), (736, 20983), (747, 21007), (753, 21022), (761, 21046), (785, 21121), (788, 21136), (813, 21220), (859, 21325), (861, 21331), (876, 21385), (889, 21433),

Gene: Koan_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Koan_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Koduck_29 Start: 19329, Stop: 21119, Start Num: 149

Candidate Starts for Koduck_29:

(98, 19263), (Start: 128 @19305 has 37 MA's), (Start: 149 @19329 has 636 MA's), (197, 19383), (255, 19482), (273, 19527), (284, 19563), (285, 19566), (314, 19638), (315, 19641), (336, 19695), (339, 19701), (373, 19779), (389, 19812), (393, 19818), (405, 19857), (428, 19899), (472, 19980), (476, 19983), (553, 20169), (593, 20253), (609, 20295), (639, 20346), (653, 20376), (692, 20502), (736, 20613), (738, 20616), (747, 20637), (753, 20652), (761, 20676), (785, 20751), (788, 20766), (813, 20850), (859, 20955), (861, 20961), (864, 20979), (872, 21006), (876, 21015),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Koella_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (379, 15254), (389, 15275), (394, 15284), (401, 15308), (475, 15434), (480, 15449), (482, 15455), (504, 15491), (506, 15494), (511, 15506), (512, 15512), (526, 15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (624, 15773), (628, 15782), (638, 15800), (642, 15806), (652, 15836), (718, 15941), (721, 15950), (722, 15953), (738, 15989), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (865, 16337), (876, 16367), (881, 16379), (886, 16409), (899, 16451),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 149

Candidate Starts for Koko_31:

(98, 20248), (Start: 128 @20290 has 37 MA's), (Start: 149 @20314 has 636 MA's), (285, 20551), (314, 20623), (315, 20626), (319, 20641), (336, 20680), (339, 20686), (389, 20797), (393, 20803), (405, 20842), (428, 20884), (455, 20923), (472, 20965), (476, 20968), (542, 21124), (603, 21265), (609, 21280), (697, 21493), (744, 21592), (753, 21619), (771, 21670), (774, 21679), (785, 21718), (788, 21733), (813, 21817), (859, 21922), (861, 21928), (899, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 149

Candidate Starts for Koreni_26:

(Start: 128 @19449 has 37 MA's), (Start: 149 @19473 has 636 MA's), (Start: 195 @19530 has 1 MA's), (Start: 233 @19584 has 2 MA's), (238, 19599), (Start: 246 @19617 has 1 MA's), (280, 19701), (284, 19713), (285, 19716), (315, 19791), (319, 19806), (336, 19845), (389, 19962), (428, 20049), (472, 20130), (499, 20178), (510, 20202), (542, 20289), (560, 20334), (594, 20406), (601, 20427), (609, 20445), (653, 20526), (684, 20619), (686, 20628), (692, 20652), (697, 20658), (702, 20682), (731, 20736), (744, 20757), (761, 20808), (770, 20832), (786, 20886), (813, 20982), (859, 21087), (862, 21102), (893, 21210), (899, 21228),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 134

Candidate Starts for Kostya_24:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 129

Candidate Starts for Krakatau_17:

(Start: 129 @15504 has 222 MA's), (199, 15591), (Start: 233 @15636 has 2 MA's), (242, 15660), (283, 15765), (286, 15771), (292, 15789), (305, 15819), (350, 15924), (379, 15984), (389, 16005), (394, 16014), (401, 16038), (475, 16164), (480, 16179), (482, 16185), (504, 16221), (506, 16224), (511, 16236), (512, 16242), (526, 16290), (531, 16302), (535, 16308), (574, 16368), (579, 16380), (593, 16416), (597, 16428), (624, 16503), (628, 16512), (638, 16530), (642, 16536), (652, 16566), (718, 16671), (721, 16680), (722, 16683), (738, 16719), (766, 16797), (794, 16896), (801, 16917), (811,

16950), (826, 16980), (835, 17010), (841, 17019), (844, 17025), (859, 17040), (860, 17043), (865, 17067), (876, 17097), (881, 17109), (886, 17139), (899, 17181),

Gene: Kratark_27 Start: 19822, Stop: 21600, Start Num: 149

Candidate Starts for Kratark_27:

(Start: 128 @19798 has 37 MA's), (Start: 149 @19822 has 636 MA's), (Start: 195 @19879 has 1 MA's), (Start: 233 @19933 has 2 MA's), (238, 19948), (Start: 246 @19966 has 1 MA's), (280, 20050), (284, 20062), (285, 20065), (315, 20140), (319, 20155), (336, 20194), (389, 20311), (428, 20398), (472, 20479), (499, 20527), (510, 20551), (542, 20638), (560, 20683), (594, 20755), (601, 20776), (609, 20794), (653, 20875), (684, 20968), (686, 20977), (692, 21001), (697, 21007), (702, 21031), (731, 21085), (744, 21106), (761, 21157), (770, 21181), (813, 21331), (859, 21436), (862, 21451), (893, 21559), (899, 21577),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 121

Candidate Starts for Kratio_20:

(Start: 121 @17226 has 18 MA's), (124, 17232), (Start: 145 @17256 has 2 MA's), (Start: 171 @17289 has 8 MA's), (205, 17337), (238, 17391), (262, 17442), (283, 17505), (319, 17613), (365, 17721), (412, 17835), (413, 17838), (428, 17877), (445, 17892), (455, 17904), (459, 17910), (473, 17946), (475, 17952), (477, 17958), (496, 17997), (509, 18021), (574, 18123), (598, 18186), (669, 18366), (718, 18465), (753, 18543), (761, 18567), (763, 18573), (775, 18606), (795, 18684), (797, 18690), (864, 18843), (894, 18948), (895, 18951), (900, 18969),

Gene: Kraw_24 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Kraw_24:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 116 @18543 has 42 MA's), (Start: 118 @18546 has 152 MA's), (Start: 140 @18561 has 3 MA's), (Start: 171 @18603 has 8 MA's), (205, 18651), (Start: 233 @18690 has 2 MA's), (238, 18705), (Start: 246 @18723 has 1 MA's), (262, 18756), (273, 18786), (288, 18831), (294, 18849), (317, 18921), (319, 18927), (333, 18957), (334, 18960), (361, 19023), (365, 19035), (420, 19170), (427, 19188), (455, 19218), (459, 19224), (467, 19242), (477, 19272), (496, 19311), (574, 19437), (598, 19500), (669, 19701), (686, 19755), (718, 19800), (739, 19845), (749, 19869), (761, 19902), (773, 19935), (792, 20007), (795, 20019), (811, 20070), (813, 20076), (864, 20178), (900, 20304), (910, 20325),

Gene: Kremtemulon_27 Start: 19875, Stop: 21653, Start Num: 149

Candidate Starts for Kremtemulon_27:

(Start: 128 @19851 has 37 MA's), (Start: 149 @19875 has 636 MA's), (Start: 195 @19932 has 1 MA's), (Start: 233 @19986 has 2 MA's), (238, 20001), (Start: 246 @20019 has 1 MA's), (280, 20103), (284, 20115), (285, 20118), (315, 20193), (319, 20208), (336, 20247), (389, 20364), (428, 20451), (472, 20532), (499, 20580), (510, 20604), (542, 20691), (560, 20736), (594, 20808), (601, 20829), (609, 20847), (653, 20928), (684, 21021), (686, 21030), (692, 21054), (697, 21060), (702, 21084), (731, 21138), (744, 21159), (761, 21210), (770, 21234), (786, 21288), (813, 21384), (859, 21489), (862, 21504), (893, 21612), (899, 21630),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 113

Candidate Starts for Krili_55:

(Start: 106 @32976 has 2 MA's), (Start: 113 @32985 has 28 MA's), (Start: 179 @33075 has 33 MA's), (253, 33192), (265, 33228), (275, 33249), (283, 33276), (286, 33282), (299, 33312), (308, 33336), (330, 33387), (394, 33525), (396, 33531), (412, 33582), (413, 33585), (427, 33603), (475, 33654), (482, 33675), (483, 33678), (511, 33726), (512, 33732), (526, 33780), (528, 33786), (531, 33792), (563, 33852), (574, 33876), (575, 33879), (593, 33924), (598, 33939), (601, 33948), (604, 33957), (618, 34002), (628, 34020), (647, 34053), (722, 34191), (730, 34212), (758, 34278), (768, 34308), (784, 34362), (794, 34404), (801, 34425), (807, 34446), (811, 34458), (821, 34479), (844, 34533), (879, 34611), (886, 34647), (892, 34668), (900, 34695),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 172

Candidate Starts for Krishelle_23:

(Start: 163 @16605 has 3 MA's), (Start: 172 @16620 has 32 MA's), (203, 16662), (223, 16689), (241, 16725), (294, 16866), (315, 16911), (368, 17040), (389, 17082), (397, 17100), (399, 17109), (Start: 407 @17133 has 1 MA's), (416, 17151), (441, 17181), (451, 17196), (453, 17199), (470, 17238), (476, 17247), (514, 17331), (553, 17385), (560, 17400), (587, 17448), (594, 17472), (652, 17586), (679, 17664), (689, 17703), (692, 17715), (698, 17724), (718, 17745), (753, 17823), (809, 17970), (853, 18069), (859, 18084), (906, 18237),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 129

Candidate Starts for KristaRAM_17:

(Start: 129 @15479 has 222 MA's), (199, 15566), (Start: 233 @15611 has 2 MA's), (242, 15635), (283, 15740), (286, 15746), (292, 15764), (305, 15794), (350, 15899), (379, 15959), (389, 15980), (394, 15989), (401, 16013), (475, 16139), (480, 16154), (482, 16160), (504, 16196), (506, 16199), (511, 16211), (512, 16217), (526, 16265), (531, 16277), (535, 16283), (574, 16343), (579, 16355), (593, 16391), (597, 16403), (624, 16478), (628, 16487), (638, 16505), (642, 16511), (652, 16541), (718, 16646), (721, 16655), (722, 16658), (738, 16694), (766, 16772), (794, 16871), (801, 16892), (811, 16925), (826, 16955), (835, 16985), (841, 16994), (844, 17000), (859, 17015), (860, 17018), (865, 17042), (876, 17072), (881, 17084), (886, 17114), (899, 17156),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 149

Candidate Starts for Kristoff_28:

(Start: 149 @19986 has 636 MA's), (Start: 195 @20043 has 1 MA's), (205, 20058), (231, 20091), (238, 20112), (280, 20214), (284, 20226), (285, 20229), (315, 20304), (319, 20319), (336, 20358), (389, 20475), (397, 20493), (428, 20562), (470, 20637), (487, 20676), (510, 20715), (542, 20802), (560, 20847), (587, 20895), (593, 20916), (601, 20940), (606, 20952), (609, 20958), (653, 21039), (684, 21132), (686, 21141), (692, 21165), (697, 21171), (700, 21186), (718, 21219), (744, 21270), (749, 21288), (795, 21438), (813, 21495), (826, 21519), (828, 21525), (859, 21600), (861, 21606), (862, 21615), (879, 21666), (899, 21741),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 102

Candidate Starts for Kroos_35:

(Start: 102 @30392 has 86 MA's), (Start: 126 @30428 has 1 MA's), (223, 30557), (231, 30566), (240, 30590), (272, 30662), (275, 30671), (297, 30740), (315, 30791), (333, 30836), (339, 30851), (345, 30869), (377, 30932), (397, 30977), (399, 30986), (467, 31106), (472, 31121), (475, 31130), (480, 31145), (496, 31175), (609, 31397), (616, 31415), (620, 31430), (652, 31472), (653, 31475), (660, 31502), (703, 31622), (749, 31715), (795, 31826), (796, 31829), (811, 31877), (824, 31904), (833, 31931), (859, 31985),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 111

Candidate Starts for Krueger_22:

(Start: 111 @16300 has 26 MA's), (Start: 118 @16309 has 152 MA's), (143, 16339), (Start: 233 @16465 has 2 MA's), (238, 16480), (262, 16531), (273, 16561), (288, 16606), (317, 16696), (333, 16732), (369, 16819), (408, 16912), (412, 16924), (413, 16927), (455, 16993), (459, 16999), (475, 17041), (477, 17047), (536, 17173), (582, 17230), (628, 17347), (649, 17392), (653, 17404), (669, 17452), (691, 17527), (718, 17551), (762, 17647), (795, 17761), (811, 17812), (813, 17818), (862, 17911), (900, 18046), (901, 18049), (910, 18067),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 122

Candidate Starts for Ksquared_19:

(Start: 107 @16383 has 2 MA's), (Start: 122 @16407 has 48 MA's), (Start: 170 @16467 has 41 MA's), (183, 16488), (185, 16491), (260, 16611), (274, 16650), (284, 16683), (294, 16707), (344, 16827),

(361, 16866), (363, 16872), (399, 16956), (401, 16962), (405, 16974), (413, 16998), (442, 17025), (458, 17043), (473, 17082), (475, 17088), (483, 17112), (512, 17166), (516, 17178), (518, 17187), (545, 17247), (583, 17325), (597, 17364), (609, 17397), (628, 17463), (636, 17478), (642, 17487), (650, 17511), (660, 17541), (667, 17553), (733, 17655), (741, 17667), (744, 17670), (746, 17676), (748, 17685), (784, 17793), (807, 17877), (852, 17976), (889, 18084), (906, 18132),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 151

Candidate Starts for Kugel_28:

(Start: 151 @21273 has 225 MA's), (Start: 167 @21294 has 5 MA's), (Start: 195 @21336 has 1 MA's), (228, 21381), (315, 21597), (333, 21642), (336, 21651), (353, 21690), (377, 21741), (378, 21744), (476, 21939), (510, 22008), (593, 22209), (594, 22212), (601, 22233), (652, 22329), (653, 22332), (655, 22338), (679, 22407), (684, 22425), (686, 22434), (697, 22464), (731, 22560), (747, 22593), (753, 22608), (795, 22749), (813, 22806), (861, 22917),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 170

Candidate Starts for Kurt_41:

(Start: 170 @30840 has 41 MA's), (Start: 200 @30876 has 1 MA's), (212, 30894), (Start: 246 @30954 has 1 MA's), (338, 31194), (343, 31206), (347, 31221), (381, 31287), (388, 31302), (399, 31326), (400, 31329), (435, 31413), (454, 31443), (456, 31446), (501, 31503), (518, 31551), (519, 31554), (525, 31575), (587, 31680), (602, 31725), (626, 31767), (717, 31941), (727, 31971), (731, 31977), (779, 32085), (780, 32088), (801, 32163), (886, 32382), (905, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 117

Candidate Starts for Kuwabara_19:

(Start: 117 @15987 has 26 MA's), (Start: 123 @15999 has 8 MA's), (Start: 126 @16002 has 1 MA's), (301, 16299), (317, 16350), (321, 16359), (330, 16377), (347, 16419), (353, 16425), (364, 16455), (373, 16473), (397, 16524), (398, 16530), (408, 16560), (437, 16602), (453, 16623), (457, 16629), (467, 16653), (487, 16704), (489, 16707), (508, 16737), (589, 16887), (601, 16923), (660, 17049), (684, 17115), (740, 17238), (748, 17259), (753, 17271), (755, 17277), (758, 17286), (760, 17289), (787, 17343), (795, 17373), (818, 17442), (859, 17529), (861, 17535), (875, 17586), (886, 17631), (899, 17673), (907, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 215

Candidate Starts for Kwekel_32:

(Start: 215 @27487 has 57 MA's), (Start: 220 @27493 has 1 MA's), (232, 27508), (261, 27571), (305, 27694), (310, 27706), (333, 27763), (370, 27841), (419, 27964), (483, 28078), (502, 28108), (517, 28150), (545, 28213), (574, 28261), (578, 28270), (601, 28333), (614, 28369), (678, 28534), (679, 28537), (718, 28564), (740, 28615), (761, 28672), (762, 28675), (775, 28711), (777, 28720), (790, 28777), (792, 28783), (793, 28789), (808, 28837), (811, 28846), (813, 28852), (815, 28855), (831, 28894), (835, 28906), (862, 28951), (882, 29020), (895, 29068), (899, 29080), (906, 29095),

Gene: Kwobi_36 Start: 30378, Stop: 32141, Start Num: 102

Candidate Starts for Kwobi_36:

(Start: 102 @30378 has 86 MA's), (Start: 126 @30414 has 1 MA's), (223, 30543), (231, 30552), (240, 30576), (272, 30648), (275, 30657), (297, 30726), (315, 30777), (333, 30822), (339, 30837), (345, 30855), (377, 30918), (397, 30963), (399, 30972), (467, 31092), (472, 31107), (475, 31116), (480, 31131), (496, 31161), (609, 31383), (616, 31401), (620, 31416), (652, 31458), (653, 31461), (660, 31488), (703, 31608), (749, 31701), (795, 31812), (796, 31815), (811, 31863), (824, 31890), (833, 31917), (859, 31971),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 151

Candidate Starts for KyMonks1A_29:

(Start: 151 @21439 has 225 MA's), (Start: 167 @21460 has 5 MA's), (Start: 195 @21502 has 1 MA's), (228, 21547), (315, 21763), (333, 21808), (336, 21817), (353, 21856), (377, 21907), (378, 21910), (476, 22105), (510, 22174), (593, 22375), (594, 22378), (601, 22399), (652, 22495), (653, 22498), (655, 22504), (679, 22573), (684, 22591), (686, 22600), (697, 22630), (731, 22726), (747, 22759), (753, 22774), (795, 22915), (813, 22972), (861, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Kyee_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 151

Candidate Starts for Kykar_25:

(Start: 151 @20786 has 225 MA's), (Start: 167 @20807 has 5 MA's), (Start: 195 @20849 has 1 MA's), (228, 20894), (315, 21110), (333, 21155), (336, 21164), (353, 21203), (377, 21254), (378, 21257), (476, 21452), (510, 21521), (593, 21722), (594, 21725), (601, 21746), (652, 21842), (653, 21845), (655, 21851), (679, 21920), (684, 21938), (686, 21947), (697, 21977), (731, 22073), (747, 22106), (753, 22121), (795, 22262), (813, 22319), (861, 22430), (907, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 149

Candidate Starts for L5_28:

(98, 19274), (Start: 128 @19316 has 37 MA's), (Start: 149 @19340 has 636 MA's), (197, 19394), (255, 19493), (273, 19538), (284, 19574), (285, 19577), (314, 19649), (315, 19652), (336, 19706), (339, 19712), (373, 19790), (389, 19823), (393, 19829), (405, 19868), (428, 19910), (472, 19991), (476, 19994), (553, 20180), (593, 20264), (609, 20306), (639, 20357), (653, 20387), (692, 20513), (736, 20624), (738, 20627), (747, 20648), (753, 20663), (761, 20687), (785, 20762), (788, 20777), (813, 20861), (859, 20966), (861, 20972), (864, 20990), (872, 21017), (876, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for LBerry_29:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 149

Candidate Starts for LHTSCC_28:

(Start: 128 @20114 has 37 MA's), (Start: 149 @20138 has 636 MA's), (Start: 153 @20144 has 10 MA's), (Start: 195 @20198 has 1 MA's), (205, 20213), (238, 20267), (Start: 246 @20285 has 1 MA's), (280, 20369), (284, 20381), (285, 20384), (315, 20459), (319, 20474), (336, 20513), (389, 20630), (428, 20717), (472, 20798), (499, 20846), (510, 20870), (542, 20957), (560, 21002), (594, 21074), (601, 21095), (609, 21113), (653, 21194), (679, 21269), (684, 21287), (686, 21296), (692, 21320), (697, 21326), (702, 21350), (726, 21392), (731, 21404), (744, 21425), (761, 21476), (770, 21500), (786, 21554), (813, 21650), (859, 21755), (862, 21770), (893, 21878), (899, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 149

Candidate Starts for LadyBird_28:

(Start: 128 @20147 has 37 MA's), (Start: 149 @20171 has 636 MA's), (231, 20270), (284, 20405), (285, 20408), (314, 20480), (315, 20483), (336, 20537), (339, 20543), (353, 20576), (389, 20654), (428, 20741), (472, 20822), (476, 20825), (594, 21098), (648, 21203), (653, 21218), (692, 21344), (697, 21350), (718, 21398), (747, 21461), (753, 21476), (755, 21482), (764, 21512), (774, 21536), (785, 21575), (788, 21590), (813, 21674),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 179

Candidate Starts for Lamberg_17:

(Start: 179 @14694 has 33 MA's), (248, 14811), (271, 14883), (295, 14961), (347, 15084), (360, 15105), (388, 15174), (389, 15177), (409, 15234), (444, 15309), (471, 15363), (509, 15444), (526, 15504), (626, 15669), (637, 15687), (645, 15702), (654, 15726), (679, 15798), (681, 15801), (685, 15822), (792, 16056), (796, 16071), (809, 16113), (847, 16206), (849, 16209), (864, 16257), (873, 16287), (889, 16344),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Lambert1_28:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 151

Candidate Starts for Lamina13_27:

(Start: 151 @20710 has 225 MA's), (Start: 167 @20731 has 5 MA's), (Start: 195 @20773 has 1 MA's), (228, 20818), (315, 21034), (333, 21079), (336, 21088), (353, 21127), (377, 21178), (378, 21181), (416, 21274), (476, 21376), (510, 21445), (589, 21634), (593, 21646), (594, 21649), (601, 21670), (652, 21766), (653, 21769), (655, 21775), (679, 21844), (684, 21862), (686, 21871), (697, 21901), (731, 21997), (747, 22030), (753, 22045), (795, 22186), (813, 22243), (861, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 149

Candidate Starts for Landor_29:

(Start: 128 @21764 has 37 MA's), (Start: 149 @21788 has 636 MA's), (245, 21923), (255, 21941), (284, 22022), (285, 22025), (314, 22097), (315, 22100), (361, 22211), (373, 22238), (389, 22271), (405, 22316), (428, 22358), (476, 22442), (542, 22598), (554, 22631), (648, 22820), (653, 22835), (692, 22961), (697, 22967), (747, 23078), (753, 23093), (755, 23099), (774, 23153), (785, 23192), (788, 23207), (813, 23291), (859, 23396), (861, 23402), (864, 23420), (872, 23447),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 122

Candidate Starts for Langerak_19:

(Start: 107 @16345 has 2 MA's), (Start: 122 @16369 has 48 MA's), (Start: 170 @16429 has 41 MA's), (183, 16450), (185, 16453), (260, 16573), (274, 16612), (284, 16645), (294, 16669), (344, 16789), (361, 16828), (363, 16834), (399, 16918), (401, 16924), (405, 16936), (413, 16960), (442, 16987), (458, 17005), (473, 17044), (475, 17050), (483, 17074), (512, 17128), (516, 17140), (518, 17149), (545, 17209), (583, 17287), (597, 17326), (609, 17359), (628, 17425), (636, 17440), (642, 17449), (650, 17473), (660, 17503), (667, 17515), (733, 17617), (741, 17629), (744, 17632), (746, 17638), (748, 17647), (784, 17755), (807, 17839), (852, 17938), (889, 18046), (906, 18094),

Gene: LappelDuVide_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for LappelDuVide_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 149

Candidate Starts for Larenn_29:

(Start: 128 @20444 has 37 MA's), (Start: 149 @20468 has 636 MA's), (245, 20603), (255, 20621), (284, 20702), (285, 20705), (294, 20735), (314, 20777), (315, 20780), (336, 20834), (339, 20840), (366, 20903), (373, 20918), (389, 20951), (401, 20984), (428, 21038), (472, 21119), (476, 21122), (487, 21152), (594, 21395), (648, 21500), (653, 21515), (697, 21647), (747, 21758), (753, 21773), (755, 21779), (774, 21833), (785, 21872), (788, 21887), (797, 21920), (861, 22082), (876, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 149

Candidate Starts for LarryKay_29:

(Start: 149 @20465 has 636 MA's), (Start: 195 @20522 has 1 MA's), (205, 20537), (231, 20570), (238, 20591), (245, 20606), (280, 20693), (284, 20705), (285, 20708), (315, 20783), (319, 20798), (335, 20834), (428, 21041), (487, 21155), (510, 21194), (542, 21281), (593, 21395), (601, 21419), (609, 21437), (653, 21518), (679, 21593), (684, 21611), (692, 21644), (697, 21650), (706, 21689), (730, 21743), (731, 21746), (744, 21767), (763, 21824), (813, 21992), (859, 22097), (861, 22103), (899, 22238),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 118

Candidate Starts for LastHope_23:

(Start: 118 @16451 has 152 MA's), (143, 16481), (Start: 246 @16640 has 1 MA's), (262, 16673), (273, 16703), (288, 16748), (294, 16766), (317, 16838), (365, 16952), (369, 16961), (389, 17000), (406, 17048), (412, 17066), (413, 17069), (445, 17123), (459, 17141), (475, 17183), (477, 17189), (487, 17216), (509, 17252), (574, 17354), (582, 17372), (603, 17432), (614, 17462), (628, 17489), (669, 17594), (749, 17753), (762, 17789), (773, 17819), (795, 17903), (811, 17954), (862, 18053), (864, 18062), (879, 18104), (900, 18188), (901, 18191), (910, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for LastJedi_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (379, 15285), (389, 15306), (394, 15315), (401, 15339), (475, 15465), (480, 15480), (482, 15486), (504, 15522), (506, 15525), (511, 15537), (512, 15543), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (624, 15804), (628, 15813), (638, 15831), (642, 15837), (652, 15867), (718, 15972), (721, 15981), (722, 15984), (738, 16020), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (865, 16368), (876, 16398), (881, 16410), (886, 16440), (899, 16482),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 149

Candidate Starts for LastResort_30:

(98, 19030), (Start: 128 @19072 has 37 MA's), (Start: 149 @19096 has 636 MA's), (Start: 246 @19234 has 1 MA's), (272, 19291), (285, 19333), (302, 19369), (315, 19408), (343, 19477), (353, 19501), (378, 19555), (455, 19705), (476, 19750), (487, 19780), (509, 19816), (524, 19867), (540, 19903), (560, 19951), (590, 20011), (652, 20140), (679, 20218), (753, 20419), (755, 20425), (786, 20521), (845, 20686), (879, 20785),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 118

Candidate Starts for LaterM_23:

(Start: 118 @17116 has 152 MA's), (143, 17146), (Start: 246 @17305 has 1 MA's), (262, 17338), (273, 17368), (283, 17401), (288, 17413), (317, 17503), (333, 17539), (335, 17545), (365, 17617), (369, 17626), (389, 17665), (405, 17710), (412, 17731), (413, 17734), (459, 17806), (475, 17848), (477, 17854), (487, 17881), (509, 17917), (532, 17974), (574, 18019), (582, 18037), (603, 18097), (614, 18127), (628, 18154), (669, 18259), (715, 18349), (749, 18418), (762, 18454), (773, 18484), (776, 18493), (795, 18568), (811, 18619), (862, 18718), (879, 18769), (900, 18853), (901, 18856), (910, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 129

Candidate Starts for Latretium_17:

(Start: 129 @15486 has 222 MA's), (199, 15573), (Start: 215 @15594 has 57 MA's), (Start: 233 @15618 has 2 MA's), (242, 15642), (253, 15663), (283, 15747), (286, 15753), (292, 15771), (305, 15801), (350, 15906), (379, 15966), (383, 15975), (389, 15987), (394, 15996), (399, 16014), (401, 16020), (415, 16062), (453, 16095), (460, 16107), (467, 16122), (469, 16128), (475, 16146), (480, 16161), (482, 16167), (493, 16188), (506, 16206), (511, 16218), (512, 16224), (526, 16272), (531, 16284), (535, 16290), (574, 16350), (579, 16362), (593, 16398), (597, 16410), (624, 16485), (628, 16494), (638, 16512), (642, 16518), (652, 16548), (718, 16653), (721, 16662), (722, 16665), (738, 16701), (766, 16779), (794, 16878), (801, 16899), (811, 16932), (826, 16962), (835, 16992), (841, 17001), (844, 17007), (859, 17022), (860, 17025), (865, 17049), (876, 17079), (881, 17091), (886, 17121), (899, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 149

Candidate Starts for Lauer_17:

(Start: 139 @15464 has 9 MA's), (Start: 149 @15467 has 636 MA's), (226, 15566), (Start: 246 @15608 has 1 MA's), (335, 15848), (373, 15935), (384, 15956), (388, 15965), (398, 15992), (416, 16037), (441, 16070), (451, 16085), (463, 16109), (475, 16142), (487, 16175), (496, 16187), (518, 16244), (548, 16274), (553, 16292), (569, 16322), (584, 16352), (606, 16415), (634, 16466), (653, 16502), (657, 16517), (664, 16535), (684, 16592), (686, 16601), (748, 16721), (753, 16733), (781, 16781), (794, 16832), (795, 16835), (801, 16853), (830, 16931), (842, 16958), (861, 17000), (901, 17147), (906, 17153),

Gene: Lavahound_21 Start: 17255, Stop: 19009, Start Num: 118

Candidate Starts for Lavahound_21:

(Start: 95 @17216 has 1 MA's), (Start: 111 @17246 has 26 MA's), (Start: 116 @17252 has 42 MA's), (Start: 118 @17255 has 152 MA's), (Start: 137 @17267 has 56 MA's), (143, 17273), (Start: 233 @17399 has 2 MA's), (238, 17414), (262, 17465), (273, 17495), (283, 17528), (317, 17630), (335, 17672), (365, 17744), (369, 17753), (427, 17897), (428, 17900), (445, 17915), (455, 17927), (459, 17933), (467, 17951), (475, 17975), (477, 17981), (487, 18008), (509, 18044), (582, 18164), (628, 18281), (647, 18314), (649, 18326), (653, 18338), (669, 18386), (761, 18578), (773, 18611), (776, 18620), (792, 18683), (795, 18695), (811, 18746), (813, 18752), (862, 18845), (879, 18896), (889, 18941), (900, 18980), (901, 18983), (910, 19001),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 111

Candidate Starts for LeMond_22:

(Start: 95 @16357 has 1 MA's), (Start: 111 @16387 has 26 MA's), (Start: 116 @16393 has 42 MA's), (143, 16420), (165, 16447), (238, 16561), (262, 16612), (283, 16675), (317, 16777), (319, 16783), (348, 16855), (365, 16891), (369, 16900), (389, 16939), (406, 16987), (412, 17005), (427, 17044), (428, 17047), (445, 17062), (455, 17074), (459, 17080), (475, 17122), (477, 17128), (487, 17155), (574, 17293), (582, 17311), (588, 17323), (614, 17401), (649, 17473), (653, 17485), (669, 17533), (691, 17608), (749, 17692), (761, 17725), (763, 17731), (773, 17758), (795, 17842), (797, 17848), (811, 17893), (813, 17899), (862, 17992), (889, 18088), (910, 18148),

Gene: Lea83_22 Start: 17576, Stop: 19339, Start Num: 118

Candidate Starts for Lea83_22:

(Start: 111 @17567 has 26 MA's), (Start: 118 @17576 has 152 MA's), (Start: 137 @17588 has 56 MA's), (204, 17678), (238, 17735), (262, 17786), (273, 17816), (280, 17840), (365, 18071), (369, 18080), (377, 18092), (408, 18173), (412, 18185), (413, 18188), (459, 18260), (463, 18269), (475, 18302), (477, 18308), (496, 18347), (512, 18383), (574, 18473), (598, 18536), (609, 18566), (635, 18623), (669, 18716), (744, 18854), (749, 18872), (765, 18920), (775, 18944), (782, 18971), (797, 19028), (811, 19073), (862, 19175), (886, 19262), (889, 19271), (895, 19292), (900, 19310), (903, 19316), (910, 19331),

Gene: Lebo14_24 Start: 18639, Stop: 20426, Start Num: 118

Candidate Starts for Lebo14_24:

(Start: 95 @18600 has 1 MA's), (Start: 111 @18630 has 26 MA's), (Start: 116 @18636 has 42 MA's), (Start: 118 @18639 has 152 MA's), (Start: 171 @18696 has 8 MA's), (205, 18744), (Start: 233 @18783 has 2 MA's), (238, 18798), (Start: 246 @18816 has 1 MA's), (262, 18849), (273, 18879), (288, 18924), (294, 18942), (317, 19014), (319, 19020), (333, 19050), (361, 19116), (365, 19128), (420, 19263), (455, 19311), (459, 19317), (467, 19335), (477, 19365), (496, 19404), (574, 19530), (597, 19590), (598, 19593), (604, 19611), (610, 19626), (669, 19794), (686, 19848), (718, 19893), (739, 19938), (749, 19962), (761, 19995), (773, 20028), (792, 20100), (795, 20112), (811, 20163), (813, 20169), (864, 20271), (900, 20397), (910, 20418),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 123

Candidate Starts for Lederberg_17:

(Start: 123 @16305 has 8 MA's), (142, 16326), (204, 16410), (223, 16437), (228, 16443), (282, 16575), (304, 16626), (315, 16659), (317, 16668), (377, 16803), (393, 16836), (398, 16854), (424, 16908), (455, 16953), (480, 17010), (484, 17022), (508, 17061), (546, 17112), (550, 17121), (555, 17142), (589, 17208), (628, 17298), (675, 17406), (690, 17460), (692, 17466), (699, 17484), (756, 17580), (770, 17601), (788, 17646), (845, 17805), (854, 17820), (860, 17835), (862, 17847), (906, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Lemur_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 91

Candidate Starts for Lemuria_19:

(Start: 91 @16718 has 1 MA's), (205, 16865), (238, 16919), (262, 16970), (280, 17024), (307, 17102), (333, 17171), (335, 17177), (459, 17447), (463, 17456), (475, 17489), (477, 17495), (496, 17534), (511, 17564), (533, 17618), (574, 17660), (628, 17801), (669, 17906), (679, 17933), (688, 17969), (691, 17981), (761, 18098), (781, 18161), (786, 18176), (791, 18200), (811, 18266), (862, 18365), (903, 18506),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 102

Candidate Starts for Lennon_35:

(94, 31947), (Start: 102 @31965 has 86 MA's), (Start: 126 @32001 has 1 MA's), (231, 32139), (272, 32235), (275, 32244), (297, 32313), (315, 32364), (333, 32409), (339, 32424), (377, 32505), (397, 32550), (399, 32559), (453, 32649), (467, 32679), (472, 32694), (480, 32718), (496, 32748), (558,

32853), (609, 32970), (616, 32988), (620, 33003), (648, 33033), (652, 33045), (653, 33048), (660, 33075), (795, 33399), (796, 33402), (811, 33450), (824, 33477), (833, 33504), (859, 33558), (865, 33585), (907, 33723),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for LeoAvram_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (540, 20637), (542, 20640), (560, 20685), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 149

Candidate Starts for Leogania_30:

(Start: 128 @22306 has 37 MA's), (Start: 149 @22330 has 636 MA's), (245, 22465), (255, 22483), (284, 22564), (285, 22567), (314, 22639), (315, 22642), (336, 22696), (389, 22813), (401, 22846), (428, 22900), (465, 22960), (472, 22981), (476, 22984), (553, 23170), (594, 23257), (609, 23296), (653, 23377), (692, 23503), (697, 23509), (702, 23533), (718, 23557), (747, 23620), (753, 23635), (755, 23641), (774, 23695), (785, 23734), (788, 23749), (850, 23914), (861, 23944),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 214

Candidate Starts for Leonard_33:

(Start: 175 @29080 has 1 MA's), (Start: 214 @29137 has 22 MA's), (222, 29149), (240, 29182), (244, 29191), (250, 29203), (263, 29233), (274, 29266), (305, 29350), (310, 29362), (344, 29437), (370, 29497), (385, 29527), (483, 29734), (502, 29764), (517, 29806), (518, 29809), (545, 29869), (574, 29917), (601, 29989), (613, 30022), (614, 30025), (633, 30064), (649, 30103), (678, 30190), (679, 30193), (740, 30271), (762, 30331), (777, 30376), (797, 30457), (815, 30511), (862, 30607), (899, 30736), (906, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 129

Candidate Starts for Leozinho_17:

(Start: 129 @14652 has 222 MA's), (199, 14739), (Start: 233 @14784 has 2 MA's), (242, 14808), (283, 14913), (286, 14919), (292, 14937), (305, 14967), (350, 15072), (379, 15132), (389, 15153), (394, 15162), (399, 15180), (401, 15186), (475, 15312), (480, 15327), (482, 15333), (504, 15369), (506, 15372), (511, 15384), (512, 15390), (526, 15438), (531, 15450), (535, 15456), (574, 15516), (579, 15528), (593, 15564), (597, 15576), (624, 15651), (628, 15660), (638, 15678), (642, 15684), (652, 15714), (718, 15819), (721, 15828), (722, 15831), (738, 15867), (766, 15945), (794, 16044), (801, 16065), (811, 16098), (826, 16128), (835, 16158), (841, 16167), (844, 16173), (859, 16188), (860, 16191), (865, 16215), (876, 16245), (881, 16257), (886, 16287), (899, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 129

Candidate Starts for Leperchaun_16:

(Start: 129 @14796 has 222 MA's), (199, 14883), (Start: 233 @14928 has 2 MA's), (242, 14952), (283, 15057), (286, 15063), (292, 15081), (305, 15111), (350, 15216), (376, 15270), (379, 15276), (389, 15297), (394, 15306), (401, 15330), (475, 15456), (480, 15471), (482, 15477), (504, 15513), (506, 15516), (511, 15528), (512, 15534), (526, 15582), (531, 15594), (535, 15600), (574, 15660), (579, 15672), (593, 15708), (597, 15720), (624, 15795), (628, 15804), (638, 15822), (642, 15828), (652, 15858), (718, 15963), (722, 15975), (738, 16011), (766, 16089), (801, 16209), (811, 16242), (826, 16272), (829, 16284), (835, 16302), (841, 16311), (844, 16317), (859, 16332), (860, 16335), (865, 16359), (881, 16401), (886, 16431), (899, 16473),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 149

Candidate Starts for Leroy_20:

(119, 16396), (Start: 149 @16435 has 636 MA's), (Start: 156 @16447 has 1 MA's), (159, 16450), (185, 16486), (Start: 215 @16525 has 57 MA's), (231, 16546), (249, 16588), (253, 16594), (254, 16597), (260, 16609), (273, 16645), (284, 16681), (304, 16738), (319, 16786), (332, 16813), (377, 16915), (395, 16954), (416, 17011), (427, 17029), (436, 17038), (441, 17044), (467, 17092), (477, 17122), (494, 17158), (499, 17164), (509, 17185), (510, 17188), (525, 17239), (554, 17266), (555, 17269), (571, 17296), (584, 17323), (611, 17395), (637, 17434), (663, 17488), (686, 17560), (701, 17605), (748, 17695), (755, 17713), (792, 17797), (794, 17806), (795, 17809), (797, 17815), (803, 17830), (812, 17860), (814, 17866), (824, 17887), (826, 17890), (849, 17944), (861, 17974), (862, 17983), (878, 18034), (886, 18067), (890, 18079), (895, 18097),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 151

Candidate Starts for Lesedi_26:

(Start: 151 @20868 has 225 MA's), (Start: 167 @20889 has 5 MA's), (Start: 195 @20931 has 1 MA's), (228, 20976), (315, 21192), (333, 21237), (336, 21246), (353, 21285), (377, 21336), (378, 21339), (476, 21534), (510, 21603), (593, 21804), (594, 21807), (601, 21828), (652, 21924), (653, 21927), (655, 21933), (679, 22002), (684, 22020), (686, 22029), (697, 22059), (731, 22155), (747, 22188), (753, 22203), (795, 22344), (813, 22401), (861, 22512),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 121

Candidate Starts for Leston_21:

(Start: 121 @17625 has 18 MA's), (124, 17631), (Start: 145 @17655 has 2 MA's), (Start: 171 @17688 has 8 MA's), (205, 17736), (238, 17790), (262, 17841), (283, 17904), (319, 18012), (365, 18120), (412, 18234), (413, 18237), (445, 18291), (455, 18303), (459, 18309), (475, 18351), (477, 18357), (496, 18396), (509, 18420), (574, 18522), (598, 18585), (613, 18630), (669, 18765), (718, 18864), (753, 18942), (761, 18966), (763, 18972), (768, 18987), (795, 19083), (797, 19089), (864, 19242), (894, 19347), (895, 19350), (900, 19368),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 149

Candidate Starts for Lev2_24:

(Start: 149 @19477 has 636 MA's), (Start: 233 @19582 has 2 MA's), (Start: 246 @19615 has 1 MA's), (285, 19714), (315, 19789), (319, 19804), (335, 19840), (366, 19912), (373, 19927), (389, 19960), (393, 19966), (506, 20191), (509, 20197), (542, 20287), (590, 20392), (593, 20401), (609, 20443), (615, 20461), (652, 20521), (653, 20524), (679, 20599), (684, 20617), (730, 20758), (747, 20794), (813, 21007), (858, 21109), (861, 21118), (892, 21232), (899, 21253), (901, 21262),

Gene: Levia_27 Start: 21857, Stop: 23659, Start Num: 151

Candidate Starts for Levia_27:

(Start: 151 @21857 has 225 MA's), (Start: 167 @21878 has 5 MA's), (Start: 195 @21920 has 1 MA's), (228, 21965), (315, 22181), (333, 22226), (336, 22235), (353, 22274), (377, 22325), (378, 22328), (476, 22523), (510, 22592), (593, 22793), (594, 22796), (601, 22817), (652, 22913), (653, 22916), (655, 22922), (679, 22991), (684, 23009), (686, 23018), (697, 23048), (731, 23144), (747, 23177), (753, 23192), (795, 23333), (813, 23390), (861, 23501),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 149

Candidate Starts for Leviathan_30:

(Start: 128 @20665 has 37 MA's), (Start: 149 @20689 has 636 MA's), (205, 20755), (231, 20788), (265, 20872), (284, 20923), (285, 20926), (314, 20998), (315, 21001), (336, 21055), (353, 21094), (389, 21172), (428, 21259), (472, 21340), (476, 21343), (553, 21529), (594, 21616), (648, 21721), (653, 21736), (692, 21862), (697, 21868), (718, 21916), (753, 21994), (755, 22000), (774, 22054), (785, 22093), (788, 22108), (813, 22192), (861, 22303),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 151

Candidate Starts for Licorice_29:

(Start: 151 @22097 has 225 MA's), (Start: 167 @22118 has 5 MA's), (Start: 195 @22160 has 1 MA's), (228, 22205), (315, 22421), (333, 22466), (336, 22475), (353, 22514), (377, 22565), (378, 22568), (476, 22763), (510, 22832), (593, 23033), (594, 23036), (601, 23057), (652, 23153), (653, 23156), (655, 23162), (679, 23231), (684, 23249), (686, 23258), (697, 23288), (731, 23384), (747, 23417), (753, 23432), (795, 23573), (813, 23630), (861, 23741), (907, 23894),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 137

Candidate Starts for Liefie_18:

(Start: 111 @16639 has 26 MA's), (Start: 137 @16648 has 56 MA's), (143, 16654), (147, 16660), (205, 16738), (238, 16792), (262, 16843), (273, 16873), (280, 16897), (315, 16999), (331, 17038), (333, 17044), (339, 17059), (358, 17104), (408, 17224), (429, 17281), (459, 17320), (477, 17368), (487, 17395), (496, 17407), (532, 17488), (574, 17533), (653, 17731), (662, 17761), (669, 17779), (679, 17806), (722, 17890), (735, 17908), (745, 17923), (761, 17971), (765, 17986), (786, 18049), (801, 18106), (813, 18145), (831, 18187), (862, 18238), (889, 18334), (910, 18394),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 151

Candidate Starts for LilBib_28:

(Start: 151 @22310 has 225 MA's), (Start: 167 @22331 has 5 MA's), (Start: 195 @22373 has 1 MA's), (228, 22418), (315, 22634), (333, 22679), (336, 22688), (353, 22727), (377, 22778), (378, 22781), (476, 22976), (510, 23045), (593, 23246), (594, 23249), (601, 23270), (652, 23366), (653, 23369), (655, 23375), (679, 23444), (684, 23462), (686, 23471), (697, 23501), (731, 23597), (747, 23630), (753, 23645), (763, 23675), (795, 23786), (813, 23843), (861, 23954),

Gene: LilDirt_20 Start: 17352, Stop: 19124, Start Num: 121

Candidate Starts for LilDirt_20:

(Start: 121 @17352 has 18 MA's), (124, 17358), (Start: 145 @17382 has 2 MA's), (Start: 171 @17415 has 8 MA's), (205, 17463), (238, 17517), (262, 17568), (283, 17631), (319, 17739), (365, 17847), (412, 17961), (413, 17964), (428, 18003), (445, 18018), (455, 18030), (459, 18036), (473, 18072), (475, 18078), (477, 18084), (496, 18123), (509, 18147), (574, 18249), (598, 18312), (669, 18492), (718, 18591), (753, 18669), (761, 18693), (763, 18699), (775, 18732), (795, 18810), (797, 18816), (864, 18969), (894, 19074), (895, 19077), (900, 19095),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 102

Candidate Starts for LilHam_32:

(Start: 102 @28981 has 86 MA's), (Start: 126 @29017 has 1 MA's), (223, 29146), (231, 29155), (272, 29251), (275, 29260), (297, 29329), (315, 29380), (317, 29389), (333, 29425), (339, 29440), (345, 29458), (377, 29521), (397, 29566), (399, 29575), (463, 29686), (467, 29695), (472, 29710), (480, 29734), (496, 29764), (609, 29986), (616, 30004), (620, 30019), (652, 30061), (660, 30091), (703, 30211), (749, 30304), (795, 30415), (796, 30418), (811, 30466), (824, 30493), (833, 30520), (859, 30574),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for LilHazelnut_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910,

19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 129

Candidate Starts for LilMoolah_16:

(Start: 129 @14938 has 222 MA's), (199, 15025), (Start: 233 @15070 has 2 MA's), (242, 15094), (265, 15151), (283, 15199), (286, 15205), (292, 15223), (305, 15253), (350, 15358), (376, 15412), (379, 15418), (383, 15427), (394, 15448), (401, 15472), (413, 15508), (415, 15514), (453, 15547), (455, 15550), (460, 15559), (467, 15574), (469, 15580), (475, 15598), (480, 15613), (482, 15619), (490, 15637), (493, 15640), (504, 15655), (511, 15670), (512, 15676), (526, 15724), (531, 15736), (535, 15742), (574, 15802), (579, 15814), (593, 15850), (597, 15862), (624, 15937), (628, 15946), (638, 15964), (642, 15970), (652, 16000), (718, 16105), (722, 16117), (738, 16153), (766, 16231), (801, 16351), (811, 16384), (826, 16414), (829, 16426), (835, 16444), (839, 16450), (841, 16453), (844, 16459), (859, 16474), (860, 16477), (864, 16498), (865, 16501), (881, 16543), (886, 16573), (899, 16615), (900, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for LilPharaoh_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 126

Candidate Starts for LilSpotty_18:

(119, 14602), (Start: 126 @14614 has 1 MA's), (287, 14896), (304, 14944), (353, 15070), (391, 15151), (435, 15241), (441, 15250), (476, 15325), (487, 15355), (489, 15358), (496, 15367), (553, 15460), (569, 15490), (609, 15586), (610, 15589), (649, 15652), (654, 15667), (669, 15712), (684, 15757), (686, 15766), (726, 15838), (755, 15904), (795, 16000), (796, 16003), (813, 16057), (824, 16078), (826, 16081), (861, 16165), (866, 16189), (884, 16252), (896, 16297), (899, 16306),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 149

Candidate Starts for LilTurb_30:

(Start: 128 @20668 has 37 MA's), (Start: 149 @20692 has 636 MA's), (231, 20791), (265, 20875), (284, 20926), (285, 20929), (314, 21001), (315, 21004), (336, 21058), (353, 21097), (389, 21175), (428, 21262), (472, 21343), (476, 21346), (553, 21532), (594, 21619), (648, 21724), (653, 21739), (692, 21865), (697, 21871), (718, 21919), (753, 21997), (755, 22003), (774, 22057), (785, 22096), (788, 22111), (813, 22195), (861, 22306),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 134

Candidate Starts for Lilac_26:

(Start: 134 @19243 has 130 MA's), (Start: 196 @19327 has 48 MA's), (Start: 246 @19405 has 1 MA's), (280, 19492), (286, 19507), (305, 19555), (320, 19594), (361, 19681), (377, 19714), (394, 19750), (402, 19780), (405, 19786), (458, 19855), (477, 19885), (481, 19897), (482, 19900), (512, 19957), (575, 20089), (578, 20095), (602, 20161), (604, 20167), (612, 20191), (628, 20239), (642, 20263), (647, 20272), (672, 20347), (721, 20398), (726, 20413), (786, 20575), (792, 20602), (801, 20632), (843, 20737), (879, 20815), (886, 20851), (889, 20860), (899, 20893), (906, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 117

Candidate Starts for Lilas_20:

(Start: 100 @17691 has 1 MA's), (Start: 117 @17715 has 26 MA's), (158, 17763), (197, 17820), (230, 17862), (313, 18051), (373, 18198), (377, 18204), (397, 18249), (470, 18387), (508, 18462), (652, 18744), (658, 18765), (684, 18840), (719, 18927), (740, 18963), (753, 18996), (755, 19002), (787, 19068), (795, 19098), (859, 19254), (861, 19260), (864, 19278), (896, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 213

Candidate Starts for Lilbeanie_30:

(Start: 213 @24430 has 1 MA's), (Start: 215 @24436 has 57 MA's), (237, 24469), (252, 24502), (274, 24559), (346, 24739), (385, 24820), (419, 24913), (424, 24919), (428, 24928), (483, 25027), (488, 25039), (502, 25057), (517, 25099), (545, 25162), (575, 25213), (578, 25219), (633, 25357), (649, 25396), (650, 25399), (667, 25453), (669, 25459), (679, 25486), (718, 25513), (726, 25537), (740, 25564), (768, 25642), (777, 25669), (799, 25756), (808, 25786), (835, 25855), (851, 25882), (879, 25951), (880, 25954), (883, 25972), (894, 26014), (906, 26044),

Gene: Lilbunny_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for Lilbunny_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280), (315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499), (428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609, 20937), (697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (788, 21390), (813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 149

Candidate Starts for Lilith_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (231, 20477), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (487, 21062), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 134

Candidate Starts for Lilizi_26:

(Start: 134 @19451 has 130 MA's), (Start: 196 @19535 has 48 MA's), (Start: 246 @19613 has 1 MA's), (280, 19700), (286, 19715), (305, 19763), (320, 19802), (361, 19889), (377, 19922), (394, 19958), (402, 19988), (405, 19994), (458, 20063), (477, 20093), (481, 20105), (482, 20108), (512, 20165), (575, 20297), (578, 20303), (602, 20369), (604, 20375), (612, 20399), (628, 20447), (642, 20471), (647, 20480), (672, 20555), (721, 20606), (726, 20621), (786, 20783), (792, 20810), (801, 20840), (843, 20945), (879, 21023), (886, 21059), (889, 21068), (899, 21101), (906, 21116),

Gene: Lilleskat_28 Start: 21749, Stop: 23539, Start Num: 149

Candidate Starts for Lilleskat_28:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Lillie_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436,

16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 134

Candidate Starts for Lilpickle_23:

(Start: 134 @18953 has 130 MA's), (Start: 196 @19037 has 48 MA's), (Start: 246 @19115 has 1 MA's), (280, 19202), (286, 19217), (305, 19265), (320, 19304), (361, 19391), (377, 19424), (394, 19460), (402, 19490), (405, 19496), (458, 19565), (477, 19595), (481, 19607), (482, 19610), (512, 19667), (575, 19799), (578, 19805), (602, 19871), (604, 19877), (612, 19901), (628, 19949), (642, 19973), (647, 19982), (672, 20057), (721, 20108), (726, 20123), (786, 20285), (792, 20312), (801, 20342), (843, 20447), (879, 20525), (886, 20561), (889, 20570), (899, 20603), (906, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for LindNT_23:

(Start: 118 @17122 has 152 MA's), (143, 17152), (Start: 246 @17311 has 1 MA's), (262, 17344), (273, 17374), (283, 17407), (288, 17419), (317, 17509), (335, 17551), (362, 17614), (365, 17623), (369, 17632), (389, 17671), (405, 17716), (412, 17737), (413, 17740), (459, 17812), (475, 17854), (477, 17860), (487, 17887), (574, 18025), (582, 18043), (597, 18085), (603, 18103), (614, 18133), (628, 18160), (669, 18265), (749, 18424), (762, 18460), (773, 18490), (776, 18499), (795, 18574), (811, 18625), (889, 18820), (900, 18859), (901, 18862), (910, 18880),

Gene: LionsBait_29 Start: 21960, Stop: 23732, Start Num: 149

Candidate Starts for LionsBait_29:

(Start: 128 @21936 has 37 MA's), (Start: 149 @21960 has 636 MA's), (231, 22059), (265, 22143), (284, 22194), (285, 22197), (314, 22269), (315, 22272), (336, 22326), (339, 22332), (353, 22365), (389, 22443), (428, 22530), (472, 22611), (476, 22614), (496, 22656), (553, 22800), (594, 22887), (609, 22926), (653, 23007), (692, 23133), (697, 23139), (718, 23187), (747, 23250), (753, 23265), (755, 23271), (764, 23301), (774, 23325), (785, 23364), (788, 23379), (813, 23463),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 149

Candidate Starts for LitninMcQueen_20:

(119, 16383), (Start: 149 @16422 has 636 MA's), (Start: 156 @16434 has 1 MA's), (185, 16473), (Start: 215 @16512 has 57 MA's), (231, 16533), (253, 16581), (257, 16590), (273, 16632), (284, 16668), (304, 16725), (319, 16773), (332, 16800), (395, 16941), (416, 16998), (427, 17016), (436, 17025), (441, 17031), (477, 17109), (494, 17145), (499, 17151), (509, 17172), (510, 17175), (525, 17226), (554, 17253), (555, 17256), (571, 17283), (584, 17310), (611, 17382), (637, 17421), (663, 17475), (678, 17517), (701, 17592), (736, 17655), (748, 17682), (749, 17685), (755, 17700), (792, 17784), (794, 17793), (795, 17796), (797, 17802), (801, 17814), (803, 17817), (812, 17847), (814, 17853), (824, 17874), (826, 17877), (849, 17931), (861, 17961), (862, 17970), (878, 18021), (886, 18054), (890, 18066), (895, 18084),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for LittleB_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 149

Candidate Starts for LittleCherry_24:

(Start: 149 @19659 has 636 MA's), (Start: 233 @19764 has 2 MA's), (Start: 246 @19797 has 1 MA's), (285, 19896), (315, 19971), (319, 19986), (335, 20022), (366, 20094), (373, 20109), (393, 20148), (401, 20175), (408, 20196), (433, 20235), (487, 20343), (506, 20373), (509, 20379), (560, 20514), (589, 20571), (590, 20574), (593, 20583), (609, 20625), (615, 20643), (652, 20703), (653, 20706), (684, 20799), (686, 20808), (692, 20832), (730, 20940), (747, 20976), (813, 21186), (858, 21288), (861, 21297), (892, 21411), (899, 21432), (901, 21441),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 128

Candidate Starts for LittleE_37:

(Start: 128 @28308 has 37 MA's), (Start: 196 @28398 has 48 MA's), (199, 28401), (257, 28503), (280, 28569), (294, 28605), (307, 28635), (312, 28650), (346, 28734), (363, 28770), (377, 28797), (395, 28836), (405, 28869), (408, 28878), (455, 28935), (472, 28977), (509, 29052), (512, 29064), (531, 29124), (561, 29178), (575, 29208), (583, 29226), (588, 29235), (598, 29268), (602, 29280), (604, 29286), (616, 29325), (642, 29382), (726, 29532), (733, 29550), (753, 29592), (761, 29616), (762, 29619), (766, 29634), (777, 29664), (786, 29694), (801, 29751), (867, 29901), (901, 30021), (906, 30027),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 149

Candidate Starts for LittleGuy_27:

(Start: 128 @19746 has 37 MA's), (Start: 149 @19770 has 636 MA's), (Start: 195 @19827 has 1 MA's), (Start: 233 @19881 has 2 MA's), (238, 19896), (Start: 246 @19914 has 1 MA's), (280, 19998), (284, 20010), (285, 20013), (315, 20088), (319, 20103), (336, 20142), (389, 20259), (428, 20346), (472, 20427), (499, 20475), (510, 20499), (542, 20586), (560, 20631), (594, 20703), (601, 20724), (609, 20742), (653, 20823), (684, 20916), (686, 20925), (692, 20949), (697, 20955), (702, 20979), (731, 21033), (744, 21054), (761, 21105), (770, 21129), (786, 21183), (813, 21279), (859, 21384), (862, 21399), (893, 21507), (899, 21525),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 129

Candidate Starts for LittleShirley_17:

(Start: 129 @14625 has 222 MA's), (199, 14712), (Start: 215 @14733 has 57 MA's), (Start: 233 @14757 has 2 MA's), (242, 14781), (253, 14802), (283, 14886), (286, 14892), (292, 14910), (305, 14940), (350, 15045), (379, 15105), (389, 15126), (394, 15135), (401, 15159), (453, 15234), (455, 15237), (460, 15246), (467, 15261), (469, 15267), (475, 15285), (480, 15300), (482, 15306), (493, 15327), (504, 15342), (511, 15357), (512, 15363), (526, 15411), (531, 15423), (535, 15429), (574, 15489), (579, 15501), (593, 15537), (597, 15549), (624, 15624), (628, 15633), (638, 15651), (642, 15657), (652, 15687), (718, 15792), (722, 15804), (738, 15840), (766, 15918), (801, 16038), (811, 16071), (826, 16101), (829, 16113), (835, 16131), (839, 16137), (841, 16140), (844, 16146), (859, 16161), (860, 16164), (864, 16185), (865, 16188), (881, 16230), (886, 16260), (899, 16302), (900, 16308),

Gene: Livelaghbron_24 Start: 19946, Stop: 21541, Start Num: 196

Candidate Starts for Livelaghbron_24:

(Start: 134 @19862 has 130 MA's), (Start: 196 @19946 has 48 MA's), (Start: 246 @20024 has 1 MA's), (280, 20111), (286, 20126), (305, 20174), (320, 20213), (361, 20300), (377, 20333), (394, 20369), (402, 20399), (405, 20405), (458, 20474), (477, 20504), (481, 20516), (482, 20519), (512, 20576), (575, 20708), (578, 20714), (602, 20780), (604, 20786), (612, 20810), (628, 20858), (642, 20882), (647, 20891), (672, 20966), (721, 21017), (726, 21032), (786, 21194), (792, 21221), (801, 21251), (843, 21356), (879, 21434), (886, 21470), (889, 21479), (899, 21512), (906, 21527),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Lizziana_16:

(Start: 129 @14813 has 222 MA's), (199, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (283, 15074), (286, 15080), (292, 15098), (305, 15128), (350, 15233), (376, 15287), (379, 15293), (383, 15302), (394, 15323), (401, 15347), (413, 15383), (415, 15389), (453, 15422), (455, 15425), (460, 15434), (467, 15449), (469, 15455), (475, 15473), (480, 15488), (482, 15494), (490, 15512), (493, 15515), (504, 15530), (511, 15545), (512, 15551), (526, 15599), (531, 15611), (535, 15617), (574, 15677), (579, 15689), (593, 15725), (597, 15737), (624, 15812), (628, 15821), (638, 15839), (642, 15845), (652, 15875), (718, 15980), (722, 15992), (738, 16028), (766, 16106), (801, 16226), (811, 16259), (826, 16289), (829, 16301), (835, 16319), (839, 16325), (841, 16328), (844, 16334), (859, 16349), (860, 16352), (864, 16373), (865, 16376), (881, 16418), (886, 16448), (899, 16490), (900, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Llama_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Llij_16:

(Start: 129 @14790 has 222 MA's), (199, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (265, 15003), (283, 15051), (286, 15057), (292, 15075), (305, 15105), (329, 15159), (350, 15210), (376, 15264), (379, 15270), (383, 15279), (394, 15300), (401, 15324), (413, 15360), (415, 15366), (453, 15399), (455, 15402), (460, 15411), (467, 15426), (469, 15432), (475, 15450), (480, 15465), (482, 15471), (490, 15489), (493, 15492), (504, 15507), (511, 15522), (512, 15528), (526, 15576), (531, 15588), (535, 15594), (574, 15654), (579, 15666), (593, 15702), (597, 15714), (624, 15789), (628, 15798), (638, 15816), (642, 15822), (652, 15852), (718, 15957), (722, 15969), (738, 16005), (766, 16083), (801, 16203), (811, 16236), (826, 16266), (829, 16278), (835, 16296), (839, 16302), (841, 16305), (844, 16311), (859, 16326), (860, 16329), (864, 16350), (865, 16353), (881, 16395), (886, 16425), (899, 16467), (900, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Llorens_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 149

Candidate Starts for LochMonster_27:

(Start: 128 @19778 has 37 MA's), (Start: 149 @19802 has 636 MA's), (Start: 195 @19859 has 1 MA's), (Start: 233 @19913 has 2 MA's), (238, 19928), (Start: 246 @19946 has 1 MA's), (280, 20030), (284, 20042), (285, 20045), (315, 20120), (319, 20135), (336, 20174), (389, 20291), (428, 20378), (472, 20459), (499, 20507), (510, 20531), (542, 20618), (560, 20663), (594, 20735), (601, 20756), (609, 20774), (684, 20948), (686, 20957), (692, 20981), (697, 20987), (702, 21011), (731, 21065),

(744, 21086), (761, 21137), (770, 21161), (786, 21215), (813, 21311), (859, 21416), (862, 21431), (893, 21539), (899, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 151

Candidate Starts for Lockley_27:

(Start: 151 @21053 has 225 MA's), (Start: 167 @21074 has 5 MA's), (Start: 195 @21116 has 1 MA's), (228, 21161), (315, 21377), (333, 21422), (336, 21431), (377, 21521), (378, 21524), (476, 21719), (510, 21788), (527, 21848), (589, 21977), (593, 21989), (594, 21992), (601, 22013), (652, 22109), (653, 22112), (655, 22118), (679, 22187), (684, 22205), (686, 22214), (697, 22244), (731, 22340), (747, 22373), (753, 22388), (795, 22529), (813, 22586), (861, 22697),

Gene: LogiBear_30 Start: 20416, Stop: 22203, Start Num: 149

Candidate Starts for LogiBear_30:

(Start: 149 @20416 has 636 MA's), (Start: 214 @20491 has 22 MA's), (275, 20620), (284, 20650), (285, 20653), (294, 20683), (315, 20728), (336, 20782), (343, 20797), (353, 20821), (393, 20905), (395, 20911), (401, 20932), (408, 20953), (476, 21070), (500, 21118), (509, 21136), (542, 21226), (554, 21259), (594, 21343), (609, 21382), (652, 21460), (681, 21541), (684, 21556), (706, 21634), (731, 21691), (749, 21730), (753, 21739), (775, 21802), (842, 22000), (849, 22012),

Gene: Lökk_31 Start: 21813, Stop: 23609, Start Num: 128

Candidate Starts for Lökk_31:

(Start: 128 @21813 has 37 MA's), (Start: 149 @21837 has 636 MA's), (265, 22020), (284, 22071), (285, 22074), (314, 22146), (315, 22149), (336, 22203), (353, 22242), (389, 22320), (428, 22407), (472, 22488), (476, 22491), (496, 22533), (553, 22677), (594, 22764), (609, 22803), (653, 22884), (697, 23016), (747, 23127), (753, 23142), (755, 23148), (774, 23202), (785, 23241), (788, 23256), (797, 23289), (813, 23340), (849, 23418), (859, 23445), (861, 23451), (876, 23505),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 170

Candidate Starts for Lollipop1437_46:

(Start: 170 @31458 has 41 MA's), (Start: 246 @31575 has 1 MA's), (338, 31815), (343, 31827), (347, 31842), (381, 31908), (388, 31923), (435, 32034), (454, 32064), (456, 32067), (501, 32124), (525, 32196), (576, 32280), (587, 32301), (626, 32388), (652, 32436), (717, 32562), (718, 32565), (731, 32598), (763, 32655), (801, 32784), (813, 32823), (865, 32928), (884, 32991), (886, 33003), (890, 33015), (892, 33024), (905, 33060),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 149

Candidate Starts for LoneWolf_29:

(Start: 149 @21342 has 636 MA's), (284, 21576), (285, 21579), (314, 21651), (315, 21654), (319, 21669), (336, 21708), (339, 21714), (353, 21747), (361, 21765), (389, 21825), (401, 21858), (428, 21912), (472, 21993), (476, 21996), (526, 22122), (553, 22182), (587, 22245), (594, 22269), (653, 22389), (692, 22515), (699, 22533), (705, 22557), (731, 22617), (747, 22650), (753, 22665), (785, 22764), (786, 22767), (788, 22779), (813, 22863), (842, 22929), (859, 22968), (861, 22974), (872, 23019), (889, 23076), (890, 23079),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 117

Candidate Starts for LonelyBoi_20:

(Start: 100 @17694 has 1 MA's), (Start: 117 @17718 has 26 MA's), (197, 17823), (230, 17865), (265, 17940), (313, 18054), (373, 18201), (377, 18207), (397, 18252), (470, 18390), (508, 18465), (652, 18747), (658, 18768), (684, 18843), (719, 18930), (740, 18966), (753, 18999), (755, 19005), (787, 19071), (795, 19101), (861, 19263), (864, 19281), (896, 19392),

Gene: LongHai_22 Start: 16306, Stop: 18156, Start Num: 92

Candidate Starts for LongHai_22:

(83, 16270), (Start: 92 @16306 has 4 MA's), (Start: 121 @16357 has 18 MA's), (143, 16384), (186, 16444), (Start: 233 @16510 has 2 MA's), (254, 16561), (263, 16579), (381, 16885), (402, 16942), (420, 16990), (421, 16993), (444, 17056), (459, 17077), (482, 17140), (486, 17149), (496, 17164), (578, 17299), (593, 17338), (600, 17359), (612, 17395), (613, 17398), (635, 17440), (644, 17455), (647, 17461), (777, 17770), (779, 17779), (781, 17785), (785, 17797), (792, 17827), (797, 17845), (799, 17851), (847, 17971), (873, 18028), (897, 18115), (900, 18124),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 149

Candidate Starts for Looper_31:

(98, 19027), (Start: 128 @19069 has 37 MA's), (Start: 149 @19093 has 636 MA's), (Start: 246 @19231 has 1 MA's), (272, 19288), (285, 19330), (302, 19366), (315, 19405), (343, 19474), (353, 19498), (378, 19552), (455, 19702), (476, 19747), (487, 19777), (509, 19813), (524, 19864), (540, 19900), (560, 19948), (590, 20008), (652, 20137), (679, 20215), (753, 20416), (755, 20422), (786, 20518), (845, 20683), (879, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 151

Candidate Starts for Lopton_28:

(Start: 151 @22455 has 225 MA's), (Start: 167 @22476 has 5 MA's), (Start: 195 @22518 has 1 MA's), (228, 22563), (315, 22779), (333, 22824), (336, 22833), (353, 22872), (377, 22923), (378, 22926), (476, 23121), (510, 23190), (593, 23391), (594, 23394), (601, 23415), (652, 23511), (653, 23514), (655, 23520), (679, 23589), (684, 23607), (686, 23616), (697, 23646), (731, 23742), (747, 23775), (753, 23790), (795, 23931), (813, 23988), (861, 24099),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for LordFarquaad_17:

(Start: 91 @14616 has 1 MA's), (Start: 179 @14751 has 33 MA's), (271, 14940), (272, 14943), (295, 15018), (319, 15072), (347, 15141), (356, 15153), (388, 15231), (389, 15234), (444, 15366), (471, 15420), (491, 15471), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (637, 15744), (654, 15783), (685, 15879), (754, 15987), (847, 16263), (849, 16266), (864, 16314), (873, 16344),

Gene: LordVader_18 Start: 14721, Stop: 16430, Start Num: 129

Candidate Starts for LordVader_18:

(Start: 129 @14721 has 222 MA's), (199, 14808), (Start: 215 @14829 has 57 MA's), (Start: 233 @14853 has 2 MA's), (242, 14877), (283, 14982), (286, 14988), (292, 15006), (305, 15036), (350, 15141), (379, 15201), (383, 15210), (388, 15219), (389, 15222), (394, 15231), (401, 15255), (415, 15297), (453, 15330), (460, 15342), (467, 15357), (469, 15363), (475, 15381), (480, 15396), (482, 15402), (490, 15420), (493, 15423), (504, 15438), (511, 15453), (512, 15459), (526, 15507), (531, 15519), (535, 15525), (574, 15585), (579, 15597), (593, 15633), (597, 15645), (604, 15666), (624, 15720), (628, 15729), (638, 15747), (642, 15753), (652, 15783), (718, 15888), (721, 15897), (722, 15900), (738, 15936), (766, 16014), (794, 16113), (801, 16134), (811, 16167), (826, 16197), (835, 16227), (841, 16236), (844, 16242), (859, 16257), (860, 16260), (864, 16281), (865, 16284), (881, 16326), (899, 16398),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Lorde_17:

(Start: 129 @14628 has 222 MA's), (199, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (265, 14841), (283, 14889), (286, 14895), (292, 14913), (305, 14943), (350, 15048), (376, 15102), (379, 15108), (383, 15117), (389, 15129), (394, 15138), (401, 15162), (413, 15198), (415, 15204), (427, 15216), (453, 15237), (455, 15240), (460, 15249), (467, 15264), (469, 15270), (475, 15288), (480, 15303), (482, 15309), (490, 15327), (493, 15330), (504, 15345), (511, 15360), (512, 15366), (521, 15396), (526, 15414), (531, 15426), (535, 15432), (574, 15492), (579, 15504), (593, 15540), (597, 15552), (604, 15573), (624, 15627), (628, 15636), (642, 15660), (652, 15690), (718, 15795), (722,

15807), (738, 15843), (754, 15882), (766, 15921), (794, 16020), (801, 16041), (811, 16074), (826, 16104), (835, 16134), (841, 16143), (844, 16149), (859, 16164), (860, 16167), (864, 16188), (865, 16191), (881, 16233), (886, 16263), (899, 16305), (900, 16311),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Lorenzo_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 149

Candidate Starts for Loser_31:

(Start: 128 @21918 has 37 MA's), (Start: 149 @21942 has 636 MA's), (265, 22125), (284, 22176), (285, 22179), (314, 22251), (315, 22254), (336, 22308), (339, 22314), (353, 22347), (389, 22425), (393, 22431), (397, 22443), (428, 22512), (470, 22587), (472, 22593), (476, 22596), (496, 22638), (593, 22866), (594, 22869), (609, 22908), (648, 22974), (653, 22989), (697, 23121), (718, 23169), (744, 23220), (747, 23232), (753, 23247), (755, 23253), (774, 23307), (788, 23361), (813, 23445), (842, 23511), (859, 23550), (861, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 149

Candidate Starts for Louie6_29:

(Start: 149 @20466 has 636 MA's), (Start: 195 @20523 has 1 MA's), (205, 20538), (231, 20571), (238, 20592), (245, 20607), (280, 20694), (284, 20706), (285, 20709), (315, 20784), (319, 20799), (335, 20835), (428, 21042), (487, 21156), (510, 21195), (542, 21282), (593, 21396), (601, 21420), (609, 21438), (653, 21519), (679, 21594), (684, 21612), (692, 21645), (697, 21651), (706, 21690), (730, 21744), (731, 21747), (744, 21768), (763, 21825), (813, 21993), (859, 22098), (861, 22104), (899, 22239),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for LouisV14_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 102

Candidate Starts for Love_38:

(94, 31729), (Start: 102 @31747 has 86 MA's), (Start: 126 @31783 has 1 MA's), (231, 31921), (272, 32017), (275, 32026), (297, 32095), (315, 32146), (333, 32191), (339, 32206), (377, 32287), (397, 32332), (399, 32341), (453, 32431), (467, 32461), (472, 32476), (480, 32500), (496, 32530), (558, 32635), (609, 32752), (616, 32770), (620, 32785), (648, 32815), (652, 32827), (653, 32830), (660, 32857), (795, 33181), (796, 33184), (811, 33232), (824, 33259), (833, 33286), (859, 33340), (864, 33364), (865, 33367), (890, 33457), (907, 33505),

Gene: Lowa_29 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for Lowa_29:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 150

Candidate Starts for Lozinak_48:

(Start: 150 @29612 has 17 MA's), (192, 29672), (Start: 214 @29705 has 22 MA's), (Start: 233 @29735 has 2 MA's), (234, 29738), (294, 29897), (299, 29906), (353, 30035), (375, 30083), (512, 30296), (514, 30302), (521, 30326), (587, 30455), (593, 30476), (604, 30509), (672, 30707), (763, 30860), (792, 30959), (795, 30971), (798, 30980), (829, 31064), (887, 31211), (897, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 179

Candidate Starts for Lton_17:

(Start: 91 @14588 has 1 MA's), (Start: 179 @14723 has 33 MA's), (271, 14912), (272, 14915), (295, 14990), (319, 15044), (347, 15113), (388, 15203), (389, 15206), (444, 15338), (471, 15392), (509, 15473), (526, 15533), (528, 15539), (588, 15620), (626, 15698), (637, 15716), (654, 15755), (679, 15827), (681, 15830), (685, 15851), (792, 16085), (796, 16100), (809, 16142), (847, 16235), (849, 16238), (864, 16286), (873, 16316),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 149

Candidate Starts for Luchador_30:

(Start: 146 @20619 has 12 MA's), (Start: 149 @20622 has 636 MA's), (245, 20757), (275, 20826), (285, 20859), (314, 20931), (315, 20934), (321, 20952), (339, 20994), (389, 21105), (405, 21150), (408, 21159), (428, 21192), (470, 21267), (472, 21273), (476, 21276), (506, 21336), (546, 21438), (587, 21525), (594, 21549), (609, 21588), (653, 21669), (715, 21867), (753, 21954), (755, 21960), (785, 22053), (859, 22257), (861, 22263),

Gene: Lucia_17 Start: 14830, Stop: 16539, Start Num: 129

Candidate Starts for Lucia_17:

(Start: 129 @14830 has 222 MA's), (199, 14917), (Start: 233 @14962 has 2 MA's), (242, 14986), (283, 15091), (286, 15097), (292, 15115), (305, 15145), (350, 15250), (379, 15310), (389, 15331), (394, 15340), (401, 15364), (475, 15490), (480, 15505), (482, 15511), (504, 15547), (506, 15550), (511, 15562), (512, 15568), (526, 15616), (531, 15628), (535, 15634), (574, 15694), (579, 15706), (593, 15742), (597, 15754), (624, 15829), (628, 15838), (638, 15856), (642, 15862), (652, 15892), (718, 15997), (722, 16009), (738, 16045), (766, 16123), (801, 16243), (811, 16276), (826, 16306), (829, 16318), (835, 16336), (841, 16345), (844, 16351), (859, 16366), (860, 16369), (865, 16393), (881, 16435), (886, 16465), (899, 16507),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 149

Candidate Starts for Lucivia_28:

(98, 20738), (Start: 128 @20780 has 37 MA's), (Start: 149 @20804 has 636 MA's), (188, 20846), (Start: 246 @20942 has 1 MA's), (255, 20957), (284, 21038), (285, 21041), (315, 21116), (319, 21131), (336, 21170), (339, 21176), (361, 21227), (389, 21287), (393, 21293), (428, 21374), (476, 21458), (526, 21584), (533, 21602), (550, 21629), (609, 21770), (648, 21836), (652, 21848), (653, 21851), (712, 22040), (721, 22067), (726, 22076), (736, 22097), (738, 22100), (747, 22121), (753, 22136), (761, 22160), (785, 22235), (788, 22250), (813, 22334), (859, 22439), (861, 22445), (876, 22499), (907, 22598),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 117

Candidate Starts for Lucky10_18:

(Start: 117 @15185 has 26 MA's), (158, 15239), (231, 15341), (265, 15413), (301, 15494), (317, 15545), (333, 15578), (353, 15626), (373, 15674), (378, 15683), (397, 15725), (408, 15761), (437, 15803), (453, 15824), (457, 15830), (467, 15854), (487, 15905), (489, 15908), (508, 15938), (660, 16250), (684, 16316), (691, 16346), (740, 16439), (748, 16460), (753, 16472), (755, 16478), (757, 16484), (760, 16490), (787, 16544), (795, 16574), (818, 16643), (859, 16730), (861, 16736), (866, 16760), (875, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 128

Candidate Starts for Lucky2013_34:

(Start: 128 @25206 has 37 MA's), (Start: 196 @25296 has 48 MA's), (199, 25299), (257, 25401), (280, 25467), (294, 25503), (307, 25533), (312, 25548), (346, 25632), (363, 25668), (377, 25695), (395, 25734), (405, 25767), (408, 25776), (455, 25833), (472, 25875), (509, 25950), (512, 25962), (531, 26022), (561, 26076), (575, 26106), (583, 26124), (588, 26133), (598, 26166), (602, 26178), (604, 26184), (616, 26223), (642, 26280), (726, 26430), (733, 26448), (753, 26490), (761, 26514), (762, 26517), (766, 26532), (777, 26562), (786, 26592), (801, 26649), (867, 26799), (906, 26925),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 149

Candidate Starts for Lucyedi_29:

(98, 20809), (Start: 128 @20851 has 37 MA's), (Start: 149 @20875 has 636 MA's), (255, 21028), (284, 21109), (285, 21112), (314, 21184), (315, 21187), (321, 21205), (331, 21226), (336, 21241), (339, 21247), (389, 21358), (401, 21391), (428, 21445), (472, 21526), (476, 21529), (553, 21715), (587, 21778), (594, 21802), (609, 21841), (653, 21922), (692, 22048), (715, 22111), (753, 22198), (785, 22297), (797, 22345), (813, 22396), (859, 22501), (861, 22507), (876, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for LugYA_31:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Luke_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Luna22_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715,

18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 136

Candidate Starts for LunaStella_18:

(Start: 117 @15346 has 26 MA's), (Start: 120 @15352 has 1 MA's), (Start: 123 @15358 has 8 MA's), (Start: 136 @15370 has 1 MA's), (Start: 141 @15376 has 6 MA's), (Start: 233 @15496 has 2 MA's), (242, 15520), (254, 15544), (283, 15625), (286, 15631), (292, 15649), (305, 15679), (383, 15853), (394, 15874), (395, 15877), (406, 15913), (427, 15952), (469, 16006), (475, 16024), (476, 16027), (480, 16039), (482, 16045), (504, 16081), (512, 16102), (517, 16120), (526, 16150), (531, 16162), (535, 16168), (574, 16228), (593, 16276), (610, 16321), (624, 16363), (628, 16372), (642, 16396), (652, 16426), (667, 16471), (718, 16531), (721, 16540), (722, 16543), (738, 16579), (768, 16660), (805, 16789), (811, 16810), (826, 16840), (835, 16870), (841, 16879), (844, 16885), (859, 16900), (860, 16903), (906, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Lunahalos_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: LunarLander_27 Start: 20985, Stop: 22787, Start Num: 151

Candidate Starts for LunarLander_27:

(Start: 151 @20985 has 225 MA's), (Start: 167 @21006 has 5 MA's), (Start: 195 @21048 has 1 MA's), (228, 21093), (315, 21309), (333, 21354), (336, 21363), (353, 21402), (377, 21453), (378, 21456), (476, 21651), (510, 21720), (593, 21921), (594, 21924), (601, 21945), (652, 22041), (653, 22044), (655, 22050), (679, 22119), (684, 22137), (686, 22146), (697, 22176), (731, 22272), (747, 22305), (753, 22320), (795, 22461), (813, 22518), (861, 22629),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Lunsford_28:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 149

Candidate Starts for Lutum_20:

(119, 16389), (Start: 149 @16428 has 636 MA's), (Start: 156 @16440 has 1 MA's), (185, 16479), (Start: 215 @16518 has 57 MA's), (231, 16539), (253, 16587), (257, 16596), (273, 16638), (284, 16674), (304, 16731), (319, 16779), (332, 16806), (395, 16947), (416, 17004), (427, 17022), (436, 17031), (441, 17037), (477, 17115), (494, 17151), (499, 17157), (509, 17178), (510, 17181), (525, 17232), (554, 17259), (555, 17262), (571, 17289), (584, 17316), (611, 17388), (637, 17427), (663, 17481), (678, 17523), (701, 17598), (736, 17661), (748, 17688), (749, 17691), (755, 17706), (792, 17790), (794, 17799), (795, 17802), (797, 17808), (801, 17820), (803, 17823), (812, 17853), (814, 17859), (824, 17880), (826, 17883), (849, 17937), (861, 17967), (862, 17976), (878, 18027), (886,

18060), (890, 18072), (895, 18090),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 215

Candidate Starts for Lysidious_20:

(187, 17138), (Start: 215 @17174 has 57 MA's), (266, 17276), (296, 17354), (298, 17357), (340, 17453), (357, 17492), (382, 17552), (392, 17573), (410, 17627), (415, 17642), (512, 17813), (521, 17843), (604, 18026), (612, 18050), (625, 18101), (659, 18194), (664, 18206), (682, 18251), (713, 18266), (762, 18398), (763, 18401), (792, 18500), (797, 18518), (813, 18569), (842, 18635), (871, 18698), (876, 18710),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 149

Candidate Starts for MA5_27:

(Start: 149 @19523 has 636 MA's), (Start: 195 @19583 has 1 MA's), (238, 19652), (Start: 246 @19670 has 1 MA's), (280, 19754), (284, 19766), (285, 19769), (315, 19844), (319, 19859), (321, 19862), (336, 19898), (397, 20033), (428, 20102), (487, 20216), (542, 20342), (593, 20456), (594, 20459), (601, 20480), (609, 20498), (653, 20579), (679, 20654), (684, 20672), (686, 20681), (692, 20705), (697, 20711), (700, 20726), (712, 20759), (730, 20804), (731, 20807), (744, 20828), (747, 20840), (813, 21053), (826, 21077), (859, 21158), (861, 21164), (899, 21299),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 149

Candidate Starts for MAnor_18:

(Start: 139 @15422 has 9 MA's), (Start: 149 @15425 has 636 MA's), (226, 15524), (Start: 233 @15536 has 2 MA's), (Start: 246 @15566 has 1 MA's), (257, 15587), (297, 15704), (335, 15806), (373, 15893), (388, 15923), (398, 15950), (416, 15995), (428, 16013), (441, 16028), (451, 16043), (475, 16100), (487, 16133), (496, 16145), (511, 16175), (548, 16232), (553, 16250), (569, 16280), (584, 16310), (606, 16373), (634, 16424), (653, 16460), (657, 16475), (664, 16493), (684, 16550), (748, 16679), (753, 16691), (794, 16790), (795, 16793), (801, 16811), (830, 16889), (842, 16916), (861, 16958), (901, 17105), (906, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 134

Candidate Starts for MISSy_23:

(Start: 134 @19258 has 130 MA's), (Start: 196 @19342 has 48 MA's), (Start: 246 @19420 has 1 MA's), (280, 19507), (286, 19522), (305, 19570), (320, 19609), (361, 19696), (377, 19729), (394, 19765), (402, 19795), (405, 19801), (458, 19870), (477, 19900), (481, 19912), (482, 19915), (512, 19972), (575, 20104), (578, 20110), (602, 20176), (604, 20182), (612, 20206), (628, 20254), (642, 20278), (647, 20287), (672, 20362), (721, 20413), (726, 20428), (786, 20590), (792, 20617), (801, 20647), (843, 20752), (879, 20830), (886, 20866), (889, 20875), (899, 20908), (906, 20923),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 149

Candidate Starts for MK4_27:

(Start: 149 @19826 has 636 MA's), (Start: 195 @19886 has 1 MA's), (238, 19955), (280, 20057), (284, 20069), (285, 20072), (315, 20147), (319, 20162), (321, 20165), (336, 20201), (397, 20336), (428, 20405), (487, 20519), (542, 20645), (593, 20759), (594, 20762), (601, 20783), (609, 20801), (653, 20882), (679, 20957), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (700, 21029), (706, 21053), (730, 21107), (731, 21110), (744, 21131), (747, 21143), (813, 21356), (826, 21380), (859, 21461), (861, 21467), (899, 21602),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 134

Candidate Starts for MPhalcon_23:

(Start: 134 @19252 has 130 MA's), (Start: 196 @19336 has 48 MA's), (Start: 246 @19414 has 1 MA's), (280, 19501), (286, 19516), (305, 19564), (320, 19603), (361, 19690), (377, 19723), (394, 19759), (402, 19789), (405, 19795), (458, 19864), (477, 19894), (481, 19906), (482, 19909), (512, 19966), (575, 20098), (578, 20104), (602, 20170), (604, 20176), (612, 20200), (628, 20248), (642,

20272), (647, 20281), (672, 20356), (721, 20407), (726, 20422), (786, 20584), (792, 20611), (801, 20641), (843, 20746), (879, 20824), (886, 20860), (889, 20869), (899, 20902), (906, 20917),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 151

Candidate Starts for MPlant7149_26:

(Start: 151 @20687 has 225 MA's), (Start: 167 @20708 has 5 MA's), (Start: 195 @20750 has 1 MA's), (228, 20795), (315, 21011), (333, 21056), (336, 21065), (353, 21104), (377, 21155), (378, 21158), (476, 21353), (510, 21422), (593, 21623), (594, 21626), (601, 21647), (652, 21743), (653, 21746), (655, 21752), (679, 21821), (684, 21839), (686, 21848), (697, 21878), (731, 21974), (747, 22007), (753, 22022), (795, 22163), (813, 22220), (861, 22331),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 149

Candidate Starts for MScarn_20:

(119, 15335), (Start: 139 @15362 has 9 MA's), (Start: 149 @15365 has 636 MA's), (274, 15575), (333, 15743), (335, 15749), (361, 15809), (384, 15857), (388, 15866), (398, 15893), (408, 15923), (416, 15938), (441, 15971), (449, 15983), (467, 16019), (487, 16076), (496, 16088), (560, 16208), (572, 16229), (584, 16253), (653, 16403), (657, 16418), (664, 16436), (684, 16493), (748, 16622), (753, 16634), (760, 16652), (769, 16661), (794, 16733), (795, 16736), (797, 16742), (801, 16754), (842, 16859), (847, 16868), (861, 16901),

Gene: MZKinsey_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for MZKinsey_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 149

Candidate Starts for MaCh_28:

(98, 20680), (Start: 128 @20722 has 37 MA's), (Start: 149 @20746 has 636 MA's), (188, 20788), (Start: 246 @20884 has 1 MA's), (255, 20899), (284, 20980), (285, 20983), (314, 21055), (315, 21058), (319, 21073), (336, 21112), (339, 21118), (389, 21229), (393, 21235), (428, 21316), (476, 21400), (526, 21526), (533, 21544), (550, 21571), (609, 21712), (648, 21778), (652, 21790), (653, 21793), (691, 21916), (712, 21982), (721, 22009), (736, 22039), (738, 22042), (747, 22063), (753, 22078), (761, 22102), (785, 22177), (788, 22192), (813, 22276), (859, 22381), (861, 22387), (876, 22441), (907, 22540),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 149

Candidate Starts for MaVan_20:

(48, 16386), (Start: 149 @16710 has 636 MA's), (299, 16995), (301, 16998), (315, 17043), (319, 17058), (353, 17136), (373, 17181), (416, 17283), (441, 17316), (449, 17328), (451, 17331), (475, 17388), (487, 17421), (499, 17436), (522, 17502), (555, 17544), (560, 17553), (584, 17598), (606, 17661), (652, 17742), (657, 17760), (660, 17769), (664, 17778), (684, 17835), (686, 17844), (753, 17976), (769, 18003), (781, 18024), (794, 18075), (795, 18078), (830, 18174), (842, 18201), (847, 18210), (849, 18213), (861, 18243), (864, 18261), (880, 18306), (906, 18396),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 149

Candidate Starts for Mabel_28:

(98, 20741), (Start: 128 @20783 has 37 MA's), (Start: 149 @20807 has 636 MA's), (188, 20849), (Start: 246 @20945 has 1 MA's), (255, 20960), (284, 21041), (285, 21044), (315, 21119), (319, 21134), (336, 21173), (339, 21179), (389, 21290), (393, 21296), (428, 21377), (476, 21461), (526, 21587),

(533, 21605), (550, 21632), (609, 21773), (648, 21839), (652, 21851), (653, 21854), (691, 21977), (712, 22043), (721, 22070), (726, 22079), (736, 22100), (738, 22103), (747, 22124), (753, 22139), (761, 22163), (785, 22238), (788, 22253), (813, 22337), (859, 22442), (861, 22448), (876, 22502), (907, 22601),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 174

Candidate Starts for MacGully_50:

(Start: 174 @31627 has 9 MA's), (Start: 179 @31636 has 33 MA's), (226, 31690), (Start: 233 @31702 has 2 MA's), (Start: 246 @31717 has 1 MA's), (315, 31900), (329, 31933), (343, 31969), (350, 31987), (368, 32026), (381, 32050), (388, 32065), (424, 32149), (446, 32182), (456, 32197), (501, 32254), (506, 32263), (519, 32305), (521, 32311), (525, 32326), (540, 32356), (587, 32431), (602, 32476), (658, 32584), (717, 32689), (719, 32695), (732, 32728), (827, 32971), (862, 33043), (866, 33058), (890, 33142), (895, 33160), (902, 33184),

Gene: MacKat_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for MacKat_23:

(Start: 118 @17165 has 152 MA's), (143, 17195), (Start: 246 @17354 has 1 MA's), (262, 17387), (273, 17417), (283, 17450), (288, 17462), (317, 17552), (335, 17594), (365, 17666), (369, 17675), (389, 17714), (405, 17759), (406, 17762), (412, 17780), (413, 17783), (445, 17837), (459, 17855), (475, 17897), (477, 17903), (487, 17930), (574, 18068), (582, 18086), (597, 18128), (603, 18146), (614, 18176), (628, 18203), (669, 18308), (749, 18467), (762, 18503), (773, 18533), (776, 18542), (795, 18617), (811, 18668), (889, 18863), (900, 18902), (901, 18905), (910, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 118

Candidate Starts for MacnCheese_23:

(Start: 111 @17812 has 26 MA's), (Start: 118 @17821 has 152 MA's), (204, 17923), (238, 17980), (262, 18031), (273, 18061), (280, 18085), (294, 18130), (369, 18325), (378, 18340), (405, 18409), (408, 18418), (412, 18430), (413, 18433), (459, 18505), (475, 18547), (477, 18553), (496, 18592), (512, 18628), (598, 18781), (635, 18868), (669, 18961), (691, 19036), (721, 19069), (744, 19099), (749, 19117), (765, 19165), (775, 19189), (782, 19216), (797, 19273), (811, 19318), (847, 19402), (862, 19420), (886, 19507), (889, 19516), (895, 19537), (900, 19555), (903, 19561), (910, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 92

Candidate Starts for Maco6_19:

(83, 15227), (Start: 92 @15263 has 4 MA's), (143, 15341), (186, 15401), (Start: 233 @15467 has 2 MA's), (254, 15518), (262, 15533), (263, 15536), (381, 15842), (402, 15899), (406, 15908), (420, 15947), (421, 15950), (444, 16013), (459, 16034), (482, 16097), (486, 16106), (496, 16121), (509, 16145), (578, 16256), (593, 16295), (600, 16316), (612, 16352), (613, 16355), (635, 16397), (644, 16412), (647, 16418), (777, 16727), (779, 16736), (781, 16742), (785, 16754), (792, 16784), (797, 16802), (799, 16808), (847, 16928), (873, 16985), (897, 17072), (900, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 113

Candidate Starts for MadKillah_57:

(Start: 106 @33245 has 2 MA's), (Start: 113 @33254 has 28 MA's), (Start: 179 @33344 has 33 MA's), (253, 33461), (265, 33497), (275, 33518), (283, 33545), (286, 33551), (299, 33581), (308, 33605), (330, 33656), (394, 33794), (396, 33800), (412, 33851), (413, 33854), (427, 33872), (475, 33923), (482, 33944), (483, 33947), (511, 33995), (512, 34001), (526, 34049), (528, 34055), (531, 34061), (563, 34121), (574, 34145), (575, 34148), (593, 34193), (598, 34208), (601, 34217), (604, 34226), (618, 34271), (628, 34289), (647, 34322), (722, 34460), (730, 34481), (758, 34547), (768, 34577), (784, 34631), (794, 34673), (801, 34694), (807, 34715), (811, 34727), (821, 34748), (844, 34802), (879, 34880), (886, 34916), (892, 34937), (900, 34964),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 149

Candidate Starts for MadMarie_29:

(Start: 149 @20381 has 636 MA's), (Start: 195 @20438 has 1 MA's), (205, 20453), (238, 20507), (245, 20522), (280, 20609), (284, 20621), (285, 20624), (315, 20699), (319, 20714), (335, 20750), (428, 20957), (510, 21110), (542, 21197), (593, 21311), (601, 21335), (609, 21353), (653, 21434), (679, 21509), (684, 21527), (692, 21560), (697, 21566), (706, 21605), (730, 21659), (731, 21662), (744, 21683), (763, 21740), (813, 21908), (859, 22013), (861, 22019), (899, 22154),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 134

Candidate Starts for MadamMonkfish_24:

(Start: 134 @19164 has 130 MA's), (Start: 196 @19248 has 48 MA's), (Start: 246 @19326 has 1 MA's), (280, 19413), (286, 19428), (305, 19476), (320, 19515), (361, 19602), (377, 19635), (394, 19671), (402, 19701), (405, 19707), (458, 19776), (477, 19806), (481, 19818), (482, 19821), (512, 19878), (575, 20010), (578, 20016), (602, 20082), (604, 20088), (612, 20112), (628, 20160), (642, 20184), (647, 20193), (672, 20268), (721, 20319), (726, 20334), (786, 20496), (792, 20523), (801, 20553), (843, 20658), (879, 20736), (886, 20772), (889, 20781), (899, 20814), (906, 20829),

Gene: Madavieve_19 Start: 18044, Stop: 19642, Start Num: 178

Candidate Starts for Madavieve_19:

(Start: 178 @18044 has 57 MA's), (308, 18302), (315, 18320), (316, 18323), (338, 18377), (372, 18452), (398, 18521), (401, 18530), (405, 18542), (423, 18593), (437, 18620), (444, 18629), (445, 18632), (510, 18665), (526, 18722), (568, 18788), (617, 18899), (653, 18959), (685, 19061), (730, 19118), (766, 19208), (849, 19448), (873, 19526),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 178

Candidate Starts for Madeline_19:

(Start: 178 @18062 has 57 MA's), (304, 18311), (308, 18320), (315, 18338), (316, 18341), (338, 18395), (372, 18470), (398, 18539), (401, 18548), (405, 18560), (409, 18572), (423, 18611), (437, 18638), (444, 18647), (445, 18650), (509, 18680), (510, 18683), (526, 18740), (568, 18806), (601, 18884), (617, 18917), (637, 18941), (653, 18977), (685, 19079), (730, 19136), (751, 19181), (754, 19187), (766, 19226), (849, 19466), (873, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 129

Candidate Starts for Madiba_17:

(Start: 129 @14680 has 222 MA's), (199, 14767), (Start: 233 @14812 has 2 MA's), (242, 14836), (283, 14941), (286, 14947), (292, 14965), (305, 14995), (350, 15100), (379, 15160), (389, 15181), (394, 15190), (401, 15214), (453, 15289), (460, 15301), (467, 15316), (469, 15322), (475, 15340), (480, 15355), (482, 15361), (493, 15382), (504, 15397), (506, 15400), (511, 15412), (512, 15418), (515, 15427), (526, 15466), (531, 15478), (535, 15484), (574, 15544), (579, 15556), (593, 15592), (597, 15604), (624, 15679), (628, 15688), (642, 15712), (652, 15742), (718, 15847), (722, 15859), (738, 15895), (753, 15931), (754, 15934), (766, 15973), (801, 16093), (811, 16126), (826, 16156), (835, 16186), (841, 16195), (844, 16201), (859, 16216), (860, 16219), (864, 16240), (865, 16243), (881, 16285), (886, 16315), (899, 16357),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 144

Candidate Starts for MagicMan_19:

(78, 16845), (119, 16929), (Start: 126 @16941 has 1 MA's), (Start: 144 @16962 has 6 MA's), (257, 17133), (280, 17199), (290, 17232), (299, 17253), (377, 17445), (405, 17517), (427, 17559), (453, 17595), (467, 17625), (475, 17649), (494, 17691), (509, 17718), (547, 17775), (550, 17781), (589, 17868), (738, 18228), (748, 18252), (755, 18270), (795, 18366), (862, 18540), (863, 18543), (866, 18555), (887, 18630), (895, 18657),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 167

Candidate Starts for Magnar_27:

(Start: 151 @20837 has 225 MA's), (Start: 167 @20858 has 5 MA's), (Start: 195 @20900 has 1 MA's), (228, 20945), (315, 21161), (333, 21206), (336, 21215), (353, 21254), (377, 21305), (378, 21308), (476, 21503), (510, 21572), (593, 21773), (594, 21776), (601, 21797), (652, 21893), (653, 21896), (655, 21902), (679, 21971), (684, 21989), (686, 21998), (697, 22028), (731, 22124), (747, 22157), (753, 22172), (795, 22313), (813, 22370), (861, 22481), (907, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 151

Candidate Starts for Magnito_26:

(Start: 151 @20589 has 225 MA's), (Start: 167 @20610 has 5 MA's), (Start: 195 @20652 has 1 MA's), (228, 20697), (315, 20913), (333, 20958), (336, 20967), (353, 21006), (377, 21057), (378, 21060), (476, 21255), (510, 21324), (593, 21525), (594, 21528), (601, 21549), (652, 21645), (653, 21648), (655, 21654), (684, 21741), (686, 21750), (697, 21780), (731, 21876), (747, 21909), (753, 21924), (795, 22065), (813, 22122), (861, 22233),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Magsby_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 129

Candidate Starts for Mahavrat_16:

(Start: 129 @14801 has 222 MA's), (199, 14888), (Start: 233 @14933 has 2 MA's), (242, 14957), (283, 15062), (286, 15068), (292, 15086), (305, 15116), (350, 15221), (376, 15275), (379, 15281), (389, 15302), (394, 15311), (401, 15335), (415, 15377), (453, 15410), (460, 15422), (467, 15437), (469, 15443), (475, 15461), (480, 15476), (482, 15482), (493, 15503), (504, 15518), (511, 15533), (512, 15539), (526, 15587), (531, 15599), (535, 15605), (574, 15665), (593, 15713), (597, 15725), (604, 15746), (624, 15800), (628, 15809), (642, 15833), (652, 15863), (718, 15968), (722, 15980), (738, 16016), (766, 16094), (826, 16277), (835, 16307), (841, 16316), (844, 16322), (859, 16337), (860, 16340), (864, 16361), (881, 16406), (899, 16478), (900, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 208

Candidate Starts for Mahdia_18:

(Start: 208 @14818 has 12 MA's), (Start: 215 @14827 has 57 MA's), (236, 14860), (260, 14911), (261, 14914), (327, 15091), (350, 15142), (404, 15265), (470, 15382), (483, 15421), (509, 15463), (531, 15535), (551, 15568), (556, 15580), (574, 15607), (579, 15619), (593, 15655), (594, 15658), (601, 15679), (616, 15724), (649, 15793), (650, 15796), (667, 15838), (671, 15856), (678, 15868), (753, 15982), (758, 15997), (761, 16006), (773, 16039), (777, 16054), (859, 16258), (862, 16273), (879, 16324), (890, 16372),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 149

Candidate Starts for Mainiac_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 122

Candidate Starts for Majeke_19:

(Start: 122 @16391 has 48 MA's), (183, 16472), (185, 16475), (225, 16526), (257, 16589), (260, 16595), (274, 16634), (284, 16667), (294, 16691), (344, 16811), (347, 16826), (361, 16850), (363, 16856), (399, 16940), (413, 16982), (453, 17021), (458, 17027), (473, 17066), (475, 17072), (483, 17096), (512, 17150), (518, 17171), (545, 17231), (583, 17309), (597, 17348), (609, 17381), (628, 17447), (642, 17471), (650, 17495), (660, 17525), (667, 17537), (733, 17639), (741, 17651), (744, 17654), (746, 17660), (748, 17669), (784, 17777), (807, 17861), (852, 17960), (876, 18017), (889, 18068), (906, 18116),

Gene: MajorMajor_27 Start: 19074, Stop: 20864, Start Num: 149

Candidate Starts for MajorMajor_27:

(98, 19008), (Start: 128 @19050 has 37 MA's), (Start: 149 @19074 has 636 MA's), (Start: 246 @19212 has 1 MA's), (255, 19227), (284, 19308), (285, 19311), (314, 19383), (315, 19386), (336, 19440), (339, 19446), (345, 19464), (373, 19524), (389, 19557), (393, 19563), (405, 19602), (428, 19644), (472, 19725), (476, 19728), (506, 19788), (553, 19914), (593, 19998), (609, 20040), (639, 20091), (653, 20121), (692, 20247), (715, 20310), (747, 20382), (753, 20397), (761, 20421), (785, 20496), (788, 20511), (813, 20595), (859, 20700), (861, 20706), (864, 20724), (872, 20751), (876, 20760),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 186

Candidate Starts for MakCheese_20:

(Start: 129 @16009 has 222 MA's), (Start: 144 @16027 has 6 MA's), (Start: 168 @16051 has 17 MA's), (Start: 177 @16063 has 2 MA's), (186, 16078), (228, 16135), (272, 16237), (281, 16267), (289, 16291), (295, 16312), (365, 16498), (425, 16639), (455, 16669), (460, 16678), (463, 16684), (614, 16993), (665, 17122), (667, 17125), (679, 17158), (761, 17326), (763, 17332), (792, 17431), (813, 17500), (862, 17593), (910, 17749),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 151

Candidate Starts for Makemake_27:

(Start: 151 @22305 has 225 MA's), (Start: 167 @22326 has 5 MA's), (Start: 195 @22368 has 1 MA's), (228, 22413), (315, 22629), (333, 22674), (336, 22683), (353, 22722), (377, 22773), (378, 22776), (476, 22971), (510, 23040), (593, 23241), (594, 23244), (601, 23265), (652, 23361), (653, 23364), (655, 23370), (679, 23439), (684, 23457), (686, 23466), (697, 23496), (731, 23592), (747, 23625), (753, 23640), (795, 23781), (813, 23838), (861, 23949),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 215

Candidate Starts for Malachai_20:

(187, 17092), (Start: 215 @17128 has 57 MA's), (266, 17230), (296, 17308), (340, 17407), (357, 17446), (392, 17527), (410, 17581), (415, 17596), (512, 17767), (521, 17797), (604, 17980), (612, 18004), (625, 18055), (659, 18148), (664, 18160), (682, 18205), (713, 18220), (762, 18352), (763, 18355), (792, 18454), (797, 18472), (813, 18523), (842, 18589), (871, 18652), (876, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 93

Candidate Starts for MalagasyRose_24:

(Start: 93 @16589 has 2 MA's), (Start: 122 @16640 has 48 MA's), (127, 16646), (130, 16649), (207, 16739), (Start: 215 @16748 has 57 MA's), (231, 16769), (238, 16790), (284, 16904), (301, 16943), (305, 16958), (306, 16961), (330, 17030), (360, 17102), (373, 17132), (378, 17141), (393, 17171), (395, 17177), (397, 17183), (405, 17210), (413, 17234), (445, 17282), (463, 17309), (491, 17381), (536, 17474), (557, 17486), (573, 17519), (574, 17522), (597, 17582), (613, 17630), (614, 17633), (652, 17714), (679, 17792), (686, 17819), (688, 17828), (765, 17969), (773, 17987), (811, 18122), (813, 18128), (836, 18185), (862, 18221), (886, 18308), (900, 18356), (910, 18377),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 149

Candidate Starts for Malec_29:

(Start: 128 @20449 has 37 MA's), (Start: 149 @20473 has 636 MA's), (245, 20608), (255, 20626), (284, 20707), (285, 20710), (294, 20740), (314, 20782), (315, 20785), (336, 20839), (339, 20845), (366, 20908), (373, 20923), (389, 20956), (401, 20989), (428, 21043), (472, 21124), (476, 21127), (487, 21157), (594, 21400), (648, 21505), (653, 21520), (697, 21652), (747, 21763), (753, 21778), (755, 21784), (774, 21838), (785, 21877), (788, 21892), (797, 21925), (861, 22087), (876, 22141),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 211

Candidate Starts for Malibo_20:

(201, 16500), (Start: 211 @16515 has 1 MA's), (237, 16560), (261, 16611), (305, 16734), (307, 16737), (360, 16857), (385, 16911), (391, 16923), (401, 16953), (404, 16962), (411, 16983), (427, 17016), (451, 17043), (482, 17112), (490, 17130), (509, 17157), (514, 17175), (515, 17178), (518, 17190), (531, 17229), (539, 17241), (572, 17292), (574, 17298), (603, 17376), (667, 17529), (678, 17559), (679, 17562), (718, 17589), (731, 17625), (750, 17667), (773, 17730), (777, 17745), (786, 17775), (794, 17811), (797, 17820), (832, 17919), (862, 17967), (889, 18063), (897, 18093), (906, 18111),

Gene: Maliketh_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Maliketh_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for Malinsilva_31:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 149

Candidate Starts for Malisha_21:

(119, 18161), (Start: 149 @18200 has 636 MA's), (Start: 156 @18212 has 1 MA's), (159, 18215), (Start: 215 @18290 has 57 MA's), (231, 18311), (241, 18338), (249, 18353), (253, 18359), (254, 18362), (260, 18374), (273, 18410), (280, 18434), (284, 18446), (304, 18503), (311, 18524), (319, 18551), (332, 18578), (345, 18614), (395, 18719), (416, 18776), (427, 18794), (436, 18803), (441, 18809), (467, 18857), (477, 18887), (494, 18923), (499, 18929), (509, 18950), (510, 18953), (554, 19031), (555, 19034), (571, 19061), (584, 19088), (611, 19160), (637, 19199), (663, 19253), (686, 19325), (701, 19370), (736, 19433), (748, 19460), (749, 19463), (755, 19478), (792, 19562), (794, 19571), (795, 19574), (797, 19580), (803, 19595), (812, 19625), (814, 19631), (824, 19652), (826, 19655), (849, 19709), (861, 19739), (862, 19748), (878, 19799), (886, 19832), (890, 19844), (895, 19862),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 122

Candidate Starts for Malithi_19:

(Start: 107 @16286 has 2 MA's), (Start: 122 @16310 has 48 MA's), (Start: 170 @16370 has 41 MA's), (183, 16391), (185, 16394), (260, 16514), (274, 16553), (284, 16586), (294, 16610), (344, 16730), (361, 16769), (363, 16775), (399, 16859), (401, 16865), (405, 16877), (413, 16901), (442, 16928), (458, 16946), (473, 16985), (475, 16991), (483, 17015), (512, 17069), (516, 17081), (518, 17090), (545, 17150), (583, 17228), (597, 17267), (609, 17300), (628, 17366), (636, 17381), (642, 17390),

(650, 17414), (660, 17444), (667, 17456), (733, 17558), (741, 17570), (744, 17573), (746, 17579), (748, 17588), (784, 17696), (807, 17780), (852, 17879), (889, 17987), (906, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Malthus_25:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 116 @18543 has 42 MA's), (Start: 118 @18546 has 152 MA's), (Start: 140 @18561 has 3 MA's), (Start: 171 @18603 has 8 MA's), (205, 18651), (Start: 233 @18690 has 2 MA's), (238, 18705), (Start: 246 @18723 has 1 MA's), (262, 18756), (273, 18786), (288, 18831), (294, 18849), (317, 18921), (319, 18927), (333, 18957), (334, 18960), (361, 19023), (365, 19035), (420, 19170), (427, 19188), (455, 19218), (459, 19224), (467, 19242), (477, 19272), (496, 19311), (574, 19437), (598, 19500), (669, 19701), (686, 19755), (718, 19800), (739, 19845), (749, 19869), (761, 19902), (773, 19935), (792, 20007), (795, 20019), (811, 20070), (813, 20076), (864, 20178), (900, 20304), (910, 20325),

Gene: Malvina_20 Start: 16595, Stop: 18286, Start Num: 149

Candidate Starts for Malvina_20:

(119, 16562), (Start: 149 @16595 has 636 MA's), (Start: 156 @16607 has 1 MA's), (Start: 233 @16709 has 2 MA's), (Start: 246 @16739 has 1 MA's), (319, 16943), (335, 16979), (353, 17021), (373, 17066), (416, 17168), (441, 17201), (449, 17213), (451, 17216), (475, 17273), (487, 17306), (499, 17321), (511, 17348), (522, 17387), (555, 17429), (560, 17438), (584, 17483), (593, 17507), (606, 17546), (657, 17642), (660, 17651), (664, 17660), (684, 17717), (688, 17735), (731, 17810), (753, 17858), (758, 17873), (769, 17885), (794, 17957), (795, 17960), (796, 17963), (797, 17966), (830, 18056), (842, 18083), (861, 18125), (862, 18134), (864, 18143),

Gene: Maminiaina_29 Start: 21290, Stop: 23080, Start Num: 149

Candidate Starts for Maminiaina_29:

(Start: 128 @21266 has 37 MA's), (Start: 149 @21290 has 636 MA's), (284, 21524), (285, 21527), (314, 21599), (315, 21602), (319, 21617), (336, 21656), (339, 21662), (373, 21740), (389, 21773), (428, 21860), (472, 21941), (476, 21944), (526, 22070), (587, 22193), (590, 22205), (594, 22217), (596, 22223), (609, 22256), (653, 22337), (692, 22463), (712, 22517), (714, 22523), (731, 22565), (736, 22574), (747, 22598), (753, 22613), (761, 22637), (774, 22673), (785, 22712), (788, 22727), (813, 22811), (859, 22916), (861, 22922), (872, 22967), (889, 23024),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Manasvini_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 151

Candidate Starts for Manatee_28:

(Start: 151 @20835 has 225 MA's), (Start: 167 @20856 has 5 MA's), (Start: 195 @20898 has 1 MA's), (228, 20943), (315, 21159), (333, 21204), (336, 21213), (353, 21252), (377, 21303), (378, 21306), (476, 21501), (510, 21570), (593, 21771), (594, 21774), (601, 21795), (652, 21891), (653, 21894), (655, 21900), (679, 21969), (684, 21987), (686, 21996), (697, 22026), (731, 22122), (747, 22155), (753, 22170), (795, 22311), (813, 22368), (861, 22479), (907, 22632),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 134

Candidate Starts for Manda_25:

(Start: 134 @20231 has 130 MA's), (Start: 196 @20315 has 48 MA's), (Start: 246 @20393 has 1 MA's), (280, 20480), (286, 20495), (305, 20543), (320, 20582), (361, 20669), (377, 20702), (394,

20738), (402, 20768), (405, 20774), (458, 20843), (477, 20873), (481, 20885), (482, 20888), (512, 20945), (575, 21077), (578, 21083), (602, 21149), (604, 21155), (612, 21179), (628, 21227), (642, 21251), (647, 21260), (672, 21335), (721, 21386), (726, 21401), (786, 21563), (792, 21590), (801, 21620), (843, 21725), (879, 21803), (886, 21839), (889, 21848), (899, 21881), (906, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Mandlovu_16:

(Start: 129 @14904 has 222 MA's), (199, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (283, 15165), (286, 15171), (292, 15189), (305, 15219), (350, 15324), (379, 15384), (389, 15405), (394, 15414), (401, 15438), (475, 15564), (480, 15579), (482, 15585), (504, 15621), (506, 15624), (511, 15636), (512, 15642), (526, 15690), (531, 15702), (535, 15708), (574, 15768), (579, 15780), (593, 15816), (597, 15828), (624, 15903), (628, 15912), (638, 15930), (642, 15936), (652, 15966), (718, 16071), (721, 16080), (722, 16083), (738, 16119), (766, 16197), (794, 16296), (801, 16317), (811, 16350), (826, 16380), (835, 16410), (841, 16419), (844, 16425), (859, 16440), (860, 16443), (865, 16467), (876, 16497), (881, 16509), (886, 16539), (899, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 122

Candidate Starts for Mangethe_19:

(Start: 122 @16391 has 48 MA's), (183, 16472), (185, 16475), (225, 16526), (257, 16589), (260, 16595), (274, 16634), (284, 16667), (294, 16691), (344, 16811), (347, 16826), (361, 16850), (363, 16856), (399, 16940), (413, 16982), (453, 17021), (458, 17027), (473, 17066), (475, 17072), (483, 17096), (512, 17150), (518, 17171), (545, 17231), (583, 17309), (597, 17348), (609, 17381), (628, 17447), (642, 17471), (650, 17495), (660, 17525), (667, 17537), (733, 17639), (741, 17651), (744, 17654), (746, 17660), (748, 17669), (784, 17777), (807, 17861), (852, 17960), (876, 18017), (889, 18068), (906, 18116),

Gene: Manilisa_23 Start: 19041, Stop: 20699, Start Num: 174

Candidate Starts for Manilisa_23:

(69, 18852), (Start: 91 @18912 has 1 MA's), (148, 19005), (Start: 174 @19041 has 9 MA's), (Start: 181 @19053 has 3 MA's), (251, 19167), (253, 19173), (272, 19221), (281, 19251), (308, 19317), (310, 19323), (359, 19434), (363, 19443), (375, 19470), (378, 19476), (380, 19479), (390, 19500), (480, 19671), (481, 19674), (514, 19740), (518, 19755), (555, 19839), (567, 19848), (587, 19890), (593, 19911), (610, 19959), (613, 19971), (620, 19998), (650, 20067), (676, 20136), (718, 20169), (744, 20226), (762, 20277), (783, 20346), (797, 20397), (808, 20433), (813, 20448), (837, 20505), (843, 20514), (877, 20592), (880, 20598),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 129

Candidate Starts for Mantra_16:

(Start: 129 @14903 has 222 MA's), (199, 14990), (Start: 233 @15035 has 2 MA's), (242, 15059), (265, 15116), (283, 15164), (286, 15170), (292, 15188), (305, 15218), (350, 15323), (376, 15377), (379, 15383), (383, 15392), (394, 15413), (401, 15437), (413, 15473), (415, 15479), (453, 15512), (455, 15515), (460, 15524), (467, 15539), (469, 15545), (475, 15563), (480, 15578), (482, 15584), (490, 15602), (493, 15605), (504, 15620), (511, 15635), (512, 15641), (526, 15689), (531, 15701), (535, 15707), (574, 15767), (579, 15779), (593, 15815), (597, 15827), (624, 15902), (628, 15911), (638, 15929), (642, 15935), (652, 15965), (718, 16070), (722, 16082), (738, 16118), (766, 16196), (801, 16316), (811, 16349), (826, 16379), (829, 16391), (835, 16409), (839, 16415), (841, 16418), (844, 16424), (859, 16439), (860, 16442), (864, 16463), (865, 16466), (881, 16508), (886, 16538), (899, 16580), (900, 16586),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Manu_30:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510,

21189), (542, 21276), (587, 21369), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (700, 21660), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for MarQuardt_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 129

Candidate Starts for Maravista_16:

(Start: 129 @14752 has 222 MA's), (199, 14839), (Start: 233 @14884 has 2 MA's), (242, 14908), (283, 15013), (286, 15019), (292, 15037), (305, 15067), (350, 15172), (379, 15232), (389, 15253), (394, 15262), (399, 15280), (401, 15286), (475, 15412), (480, 15427), (482, 15433), (504, 15469), (506, 15472), (511, 15484), (512, 15490), (526, 15538), (531, 15550), (535, 15556), (574, 15616), (579, 15628), (593, 15664), (597, 15676), (624, 15751), (628, 15760), (638, 15778), (642, 15784), (652, 15814), (718, 15919), (721, 15928), (722, 15931), (738, 15967), (766, 16045), (794, 16144), (801, 16165), (811, 16198), (826, 16228), (835, 16258), (841, 16267), (844, 16273), (859, 16288), (860, 16291), (865, 16315), (876, 16345), (881, 16357), (886, 16387), (899, 16429),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 151

Candidate Starts for Marcell_27:

(Start: 151 @21325 has 225 MA's), (Start: 167 @21346 has 5 MA's), (Start: 195 @21388 has 1 MA's), (228, 21433), (315, 21649), (333, 21694), (336, 21703), (353, 21742), (377, 21793), (378, 21796), (476, 21991), (510, 22060), (593, 22261), (594, 22264), (601, 22285), (652, 22381), (653, 22384), (655, 22390), (679, 22459), (684, 22477), (686, 22486), (697, 22516), (731, 22612), (747, 22645), (753, 22660), (795, 22801), (813, 22858), (861, 22969), (907, 23122),

Gene: Marchesa_27 Start: 19958, Stop: 21757, Start Num: 149

Candidate Starts for Marchesa_27:

(Start: 149 @19958 has 636 MA's), (Start: 195 @20018 has 1 MA's), (238, 20087), (280, 20189), (284, 20201), (285, 20204), (315, 20279), (319, 20294), (321, 20297), (336, 20333), (397, 20468), (428, 20537), (487, 20651), (542, 20777), (593, 20891), (601, 20915), (606, 20927), (609, 20933), (653, 21014), (679, 21089), (684, 21107), (686, 21116), (692, 21140), (697, 21146), (700, 21161), (715, 21203), (726, 21230), (730, 21239), (731, 21242), (744, 21263), (747, 21275), (813, 21488), (859, 21593), (861, 21599), (899, 21734),

Gene: Marchy_26 Start: 20630, Stop: 22432, Start Num: 151

Candidate Starts for Marchy_26:

(Start: 151 @20630 has 225 MA's), (Start: 167 @20651 has 5 MA's), (Start: 195 @20693 has 1 MA's), (228, 20738), (315, 20954), (333, 20999), (336, 21008), (353, 21047), (377, 21098), (378, 21101), (476, 21296), (510, 21365), (593, 21566), (594, 21569), (601, 21590), (652, 21686), (653, 21689), (655, 21695), (679, 21764), (684, 21782), (686, 21791), (697, 21821), (731, 21917), (747, 21950), (753, 21965), (795, 22106), (813, 22163), (861, 22274),

Gene: Marco3_27 Start: 21225, Stop: 23027, Start Num: 151

Candidate Starts for Marco3_27:

(Start: 151 @21225 has 225 MA's), (Start: 167 @21246 has 5 MA's), (Start: 195 @21288 has 1 MA's), (228, 21333), (315, 21549), (333, 21594), (336, 21603), (353, 21642), (377, 21693), (378, 21696),

(476, 21891), (510, 21960), (593, 22161), (594, 22164), (601, 22185), (652, 22281), (653, 22284), (655, 22290), (679, 22359), (684, 22377), (686, 22386), (697, 22416), (731, 22512), (747, 22545), (753, 22560), (795, 22701), (813, 22758), (861, 22869),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 116

Candidate Starts for Marcoliusprime_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 116 @15013 has 42 MA's), (Start: 137 @15028 has 56 MA's), (Start: 171 @15070 has 8 MA's), (205, 15118), (Start: 233 @15157 has 2 MA's), (238, 15172), (262, 15223), (273, 15253), (283, 15286), (288, 15298), (294, 15316), (317, 15388), (319, 15394), (361, 15490), (365, 15502), (408, 15604), (413, 15619), (427, 15655), (459, 15691), (477, 15739), (496, 15778), (509, 15802), (512, 15814), (574, 15904), (578, 15913), (669, 16159), (686, 16213), (721, 16267), (773, 16381), (776, 16390), (795, 16465), (811, 16516), (813, 16522), (850, 16603), (862, 16618), (880, 16672), (900, 16753), (910, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 206

Candidate Starts for Mareelih_99:

(Start: 206 @59450 has 4 MA's), (Start: 218 @59465 has 1 MA's), (Start: 220 @59468 has 1 MA's), (237, 59495), (263, 59552), (275, 59588), (286, 59621), (299, 59651), (301, 59654), (327, 59723), (331, 59729), (402, 59894), (418, 59936), (424, 59945), (428, 59954), (443, 59966), (502, 60086), (574, 60239), (597, 60299), (655, 60446), (660, 60467), (667, 60482), (724, 60560), (726, 60566), (773, 60683), (777, 60698), (792, 60755), (801, 60785), (811, 60818), (866, 60938), (906, 61067),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 149

Candidate Starts for Margaret_21:

(119, 15439), (Start: 139 @15466 has 9 MA's), (Start: 149 @15469 has 636 MA's), (Start: 215 @15553 has 57 MA's), (274, 15676), (284, 15709), (301, 15754), (361, 15910), (373, 15937), (388, 15967), (416, 16039), (441, 16069), (449, 16081), (463, 16108), (487, 16174), (522, 16255), (555, 16297), (560, 16306), (571, 16324), (591, 16369), (627, 16453), (651, 16489), (652, 16492), (653, 16495), (655, 16501), (657, 16510), (664, 16528), (684, 16585), (748, 16714), (753, 16726), (758, 16741), (769, 16753), (794, 16825), (795, 16828), (796, 16831), (801, 16846), (830, 16927), (861, 16996), (862, 17005), (899, 17134), (906, 17149),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 151

Candidate Starts for Marge_28:

(Start: 151 @21725 has 225 MA's), (Start: 167 @21746 has 5 MA's), (Start: 195 @21788 has 1 MA's), (228, 21833), (315, 22049), (333, 22094), (336, 22103), (353, 22142), (377, 22193), (378, 22196), (416, 22289), (476, 22391), (510, 22460), (593, 22661), (594, 22664), (601, 22685), (652, 22781), (653, 22784), (655, 22790), (679, 22859), (684, 22877), (686, 22886), (697, 22916), (731, 23012), (747, 23045), (753, 23060), (795, 23201), (813, 23258), (861, 23369), (907, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 149

Candidate Starts for Margo_28:

(Start: 149 @20481 has 636 MA's), (Start: 195 @20541 has 1 MA's), (238, 20610), (280, 20712), (284, 20724), (285, 20727), (315, 20802), (319, 20817), (336, 20856), (397, 20991), (428, 21060), (487, 21174), (542, 21300), (593, 21414), (601, 21438), (606, 21450), (609, 21456), (653, 21537), (679, 21612), (684, 21630), (686, 21639), (692, 21663), (697, 21669), (700, 21684), (712, 21717), (730, 21762), (731, 21765), (744, 21786), (786, 21915), (813, 22011), (859, 22116), (861, 22122), (899, 22257),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Maridalia_18:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444,

18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for Marie_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 200

Candidate Starts for Marietta_43:

(Start: 170 @27890 has 41 MA's), (Start: 178 @27902 has 57 MA's), (Start: 200 @27926 has 1 MA's), (Start: 246 @28004 has 1 MA's), (315, 28187), (338, 28244), (343, 28256), (347, 28271), (381, 28337), (388, 28352), (399, 28376), (435, 28463), (438, 28469), (454, 28493), (501, 28553), (513, 28583), (519, 28604), (576, 28709), (587, 28730), (626, 28817), (652, 28865), (717, 28991), (731, 29027), (794, 29192), (800, 29210), (811, 29246), (884, 29420), (886, 29432), (905, 29489),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Marius_30:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 118

Candidate Starts for MarkPhew_23:

(Start: 95 @16248 has 1 MA's), (Start: 111 @16278 has 26 MA's), (Start: 118 @16287 has 152 MA's), (143, 16317), (238, 16458), (262, 16509), (283, 16572), (317, 16674), (319, 16680), (333, 16710), (369, 16797), (389, 16836), (406, 16884), (412, 16902), (427, 16941), (428, 16944), (445, 16959), (455, 16971), (459, 16977), (467, 16995), (475, 17019), (477, 17025), (487, 17052), (574, 17190), (582, 17208), (649, 17370), (653, 17382), (669, 17430), (691, 17505), (721, 17538), (723, 17544), (749, 17589), (761, 17622), (763, 17628), (773, 17655), (795, 17739), (811, 17790), (862, 17889), (889, 17985), (910, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 129

Candidate Starts for Marker_17:

(Start: 129 @14655 has 222 MA's), (199, 14742), (Start: 233 @14787 has 2 MA's), (242, 14811), (283, 14916), (286, 14922), (292, 14940), (305, 14970), (350, 15075), (379, 15135), (389, 15156), (394, 15165), (401, 15189), (453, 15264), (475, 15315), (480, 15330), (482, 15336), (504, 15372), (506, 15375), (511, 15387), (512, 15393), (526, 15441), (531, 15453), (535, 15459), (574, 15519), (579, 15531), (593, 15567), (597, 15579), (624, 15654), (628, 15663), (638, 15681), (642, 15687), (652, 15717), (718, 15822), (722, 15834), (738, 15870), (766, 15948), (794, 16047), (801, 16068), (811, 16101), (826, 16131), (835, 16161), (841, 16170), (844, 16176), (859, 16191), (860, 16194), (865, 16218), (881, 16260), (899, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 128

Candidate Starts for Marleymoo_41:

(Start: 128 @30187 has 37 MA's), (Start: 196 @30277 has 48 MA's), (229, 30325), (294, 30484), (307, 30514), (346, 30613), (363, 30649), (365, 30655), (377, 30676), (405, 30748), (408, 30757), (415, 30778), (469, 30847), (482, 30886), (483, 30889), (490, 30904), (512, 30943), (526, 30991), (531, 31003), (535, 31009), (566, 31066), (575, 31087), (583, 31105), (600, 31153), (638, 31255), (667, 31327), (726, 31411), (731, 31423), (733, 31429), (741, 31441), (744, 31444), (757, 31483), (763, 31501), (776, 31537), (777, 31543), (801, 31630), (834, 31720), (862, 31762), (867, 31780), (877, 31810), (887, 31852), (906, 31906),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Marmie_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 151

Candidate Starts for Maroc7_26:

(Start: 151 @20829 has 225 MA's), (Start: 167 @20850 has 5 MA's), (Start: 195 @20892 has 1 MA's), (228, 20937), (315, 21153), (333, 21198), (336, 21207), (353, 21246), (377, 21297), (378, 21300), (476, 21495), (510, 21564), (593, 21765), (594, 21768), (601, 21789), (652, 21885), (653, 21888), (655, 21894), (679, 21963), (684, 21981), (686, 21990), (697, 22020), (731, 22116), (747, 22149), (753, 22164), (795, 22305), (813, 22362), (861, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 151

Candidate Starts for Marsha_27:

(Start: 151 @21951 has 225 MA's), (Start: 167 @21972 has 5 MA's), (Start: 195 @22014 has 1 MA's), (228, 22059), (315, 22275), (333, 22320), (336, 22329), (353, 22368), (377, 22419), (378, 22422), (416, 22515), (476, 22617), (510, 22686), (593, 22887), (594, 22890), (601, 22911), (652, 23007), (653, 23010), (655, 23016), (679, 23085), (684, 23103), (686, 23112), (697, 23142), (731, 23238), (747, 23271), (753, 23286), (795, 23427), (813, 23484), (861, 23595),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 118

Candidate Starts for Marshawn_24:

(Start: 95 @16866 has 1 MA's), (Start: 111 @16896 has 26 MA's), (Start: 118 @16905 has 152 MA's), (Start: 121 @16911 has 18 MA's), (143, 16935), (Start: 233 @17061 has 2 MA's), (238, 17076), (Start: 246 @17094 has 1 MA's), (273, 17157), (283, 17190), (288, 17202), (294, 17220), (317, 17292), (348, 17370), (369, 17415), (377, 17427), (389, 17454), (412, 17520), (427, 17559), (428, 17562), (445, 17577), (455, 17589), (459, 17595), (475, 17637), (477, 17643), (574, 17808), (582, 17826), (603, 17886), (614, 17916), (628, 17943), (643, 17967), (649, 17988), (653, 18000), (669, 18048), (691, 18123), (723, 18162), (761, 18240), (763, 18246), (768, 18261), (773, 18273), (776, 18282), (795, 18357), (811, 18408), (862, 18507), (895, 18624), (900, 18642), (910, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 196

Candidate Starts for Marshmallow_24:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 117

Candidate Starts for Marteena_20:

(Start: 100 @17542 has 1 MA's), (Start: 117 @17566 has 26 MA's), (197, 17671), (230, 17713), (265, 17788), (313, 17902), (373, 18049), (377, 18055), (397, 18100), (470, 18238), (508, 18313), (652, 18595), (658, 18616), (684, 18691), (719, 18778), (740, 18814), (753, 18847), (755, 18853), (787, 18919), (795, 18949), (859, 19105), (861, 19111), (864, 19129), (896, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Martik_16:

(Start: 129 @14813 has 222 MA's), (199, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (283, 15074), (286, 15080), (292, 15098), (305, 15128), (350, 15233), (376, 15287), (379, 15293), (383, 15302), (394, 15323), (401, 15347), (413, 15383), (415, 15389), (453, 15422), (455, 15425), (460, 15434), (467, 15449), (469, 15455), (475, 15473), (480, 15488), (482, 15494), (490, 15512), (493, 15515), (504, 15530), (511, 15545), (512, 15551), (526, 15599), (531, 15611), (535, 15617), (574, 15677), (579, 15689), (593, 15725), (597, 15737), (624, 15812), (628, 15821), (638, 15839), (642, 15845), (652, 15875), (718, 15980), (722, 15992), (738, 16028), (766, 16106), (801, 16226), (811, 16259), (826, 16289), (829, 16301), (835, 16319), (839, 16325), (841, 16328), (844, 16334), (859, 16349), (860, 16352), (864, 16373), (865, 16376), (881, 16418), (886, 16448), (899, 16490), (900, 16496),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 151

Candidate Starts for MaryBeth_27:

(Start: 151 @21259 has 225 MA's), (Start: 167 @21280 has 5 MA's), (Start: 195 @21322 has 1 MA's), (228, 21367), (315, 21583), (333, 21628), (336, 21637), (377, 21727), (378, 21730), (416, 21823), (476, 21925), (510, 21994), (589, 22183), (593, 22195), (594, 22198), (601, 22219), (652, 22315), (653, 22318), (655, 22324), (679, 22393), (684, 22411), (686, 22420), (697, 22450), (731, 22546), (747, 22579), (753, 22594), (795, 22735), (813, 22792), (861, 22903),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 138

Candidate Starts for MarysWell_23:

(Start: 138 @19695 has 1 MA's), (Start: 149 @19707 has 636 MA's), (Start: 233 @19812 has 2 MA's), (Start: 246 @19845 has 1 MA's), (285, 19944), (315, 20019), (319, 20034), (335, 20070), (366, 20142), (373, 20157), (393, 20196), (401, 20223), (433, 20283), (487, 20391), (506, 20421), (509, 20427), (560, 20562), (589, 20619), (590, 20622), (593, 20631), (609, 20673), (615, 20691), (652, 20751), (653, 20754), (684, 20847), (686, 20856), (692, 20880), (730, 20988), (747, 21024), (813, 21234), (858, 21336), (861, 21345), (892, 21459), (899, 21480), (901, 21489),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 174

Candidate Starts for Maselop_45:

(Start: 174 @31376 has 9 MA's), (Start: 179 @31385 has 33 MA's), (226, 31439), (237, 31463), (Start: 246 @31466 has 1 MA's), (350, 31736), (381, 31799), (388, 31814), (446, 31931), (456, 31946), (501, 32003), (506, 32012), (519, 32054), (525, 32075), (540, 32105), (577, 32162), (606, 32237), (658, 32333), (717, 32438), (718, 32441), (727, 32468), (768, 32546), (780, 32585), (833, 32741), (866, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 179

Candidate Starts for Matteo_17:

(77, 14523), (Start: 91 @14559 has 1 MA's), (Start: 179 @14694 has 33 MA's), (248, 14811), (271, 14883), (272, 14886), (283, 14922), (295, 14961), (347, 15084), (360, 15105), (388, 15174), (389, 15177), (444, 15309), (471, 15363), (509, 15444), (526, 15504), (528, 15510), (626, 15669), (637, 15687), (645, 15702), (654, 15726), (679, 15798), (681, 15801), (685, 15822), (792, 16056), (796, 16071), (809, 16113), (847, 16206), (849, 16209), (864, 16257), (873, 16287), (879, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for Mattes_16:

(Start: 129 @14804 has 222 MA's), (199, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (265, 15017), (283, 15065), (286, 15071), (292, 15089), (305, 15119), (350, 15224), (376, 15278), (379, 15284), (383, 15293), (394, 15314), (401, 15338), (413, 15374), (415, 15380), (453, 15413), (455, 15416), (460, 15425), (467, 15440), (469, 15446), (475, 15464), (480, 15479), (482, 15485), (490, 15503), (493, 15506), (504, 15521), (511, 15536), (512, 15542), (526, 15590), (531, 15602), (535, 15608), (574, 15668), (579, 15680), (593, 15716), (597, 15728), (624, 15803), (628, 15812), (638, 15830), (642, 15836), (652, 15866), (718, 15971), (722, 15983), (738, 16019), (766, 16097), (801, 16217), (811, 16250), (826, 16280), (829, 16292), (835, 16310), (839, 16316), (841, 16319), (844, 16325), (859, 16340), (860, 16343), (864, 16364), (865, 16367), (881, 16409), (886, 16439), (899, 16481), (900, 16487),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Maverick_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for Maxo_27:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 196

Candidate Starts for Maxxinista_25:

(Start: 134 @19213 has 130 MA's), (Start: 196 @19297 has 48 MA's), (Start: 246 @19375 has 1 MA's), (280, 19462), (286, 19477), (305, 19525), (320, 19564), (361, 19651), (377, 19684), (394, 19720), (402, 19750), (405, 19756), (458, 19825), (477, 19855), (481, 19867), (482, 19870), (512, 19927), (575, 20059), (578, 20065), (602, 20131), (604, 20137), (612, 20161), (628, 20209), (642, 20233), (647, 20242), (672, 20317), (721, 20368), (726, 20383), (786, 20545), (792, 20572), (801, 20602), (843, 20707), (879, 20785), (886, 20821), (889, 20830), (899, 20863), (906, 20878),

Gene: Mayonnaise_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Mayonnaise_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (361, 20256), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 149

Candidate Starts for Mayweather_19:

(Start: 139 @16037 has 9 MA's), (Start: 149 @16040 has 636 MA's), (226, 16139), (Start: 246 @16181 has 1 MA's), (257, 16202), (297, 16319), (335, 16421), (373, 16508), (388, 16538), (398, 16565), (416, 16610), (428, 16628), (441, 16643), (451, 16658), (475, 16715), (487, 16748), (496, 16760), (511, 16790), (548, 16847), (553, 16865), (569, 16895), (584, 16925), (590, 16940), (606, 16988), (634, 17039), (653, 17075), (657, 17090), (664, 17108), (684, 17165), (748, 17294), (753, 17306), (794, 17405), (795, 17408), (801, 17426), (824, 17486), (830, 17504), (842, 17531), (861, 17573), (901, 17720), (906, 17726),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Mazhar510_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 178

Candidate Starts for Mbo4_17:

(Start: 91 @15625 has 1 MA's), (Start: 178 @15757 has 57 MA's), (316, 16027), (332, 16066), (378, 16177), (445, 16333), (530, 16435), (568, 16471), (587, 16507), (626, 16594), (637, 16612), (650, 16639), (666, 16690), (785, 16933), (873, 17194), (880, 17209), (892, 17263),

Gene: McCrothy_35 Start: 31555, Stop: 33318, Start Num: 102

Candidate Starts for McCrothy_35:

(94, 31537), (Start: 102 @31555 has 86 MA's), (Start: 126 @31591 has 1 MA's), (231, 31729), (272, 31825), (275, 31834), (297, 31903), (315, 31954), (333, 31999), (339, 32014), (377, 32095), (397, 32140), (399, 32149), (453, 32239), (467, 32269), (472, 32284), (480, 32308), (496, 32338), (558, 32443), (609, 32560), (616, 32578), (620, 32593), (648, 32623), (652, 32635), (653, 32638), (660, 32665), (795, 32989), (796, 32992), (811, 33040), (824, 33067), (833, 33094), (859, 33148), (864, 33172), (865, 33175), (890, 33265), (907, 33313),

Gene: McDazzle_17 Start: 15887, Stop: 17581, Start Num: 149

Candidate Starts for McDazzle_17:

(Start: 139 @15884 has 9 MA's), (Start: 149 @15887 has 636 MA's), (226, 15986), (Start: 246 @16028 has 1 MA's), (257, 16049), (335, 16268), (388, 16385), (398, 16412), (416, 16457), (423, 16463), (428, 16475), (441, 16490), (451, 16505), (475, 16562), (487, 16595), (496, 16607), (548, 16694), (553, 16712), (569, 16742), (584, 16772), (590, 16787), (606, 16835), (634, 16886), (653, 16922), (657, 16937), (664, 16955), (684, 17012), (748, 17141), (753, 17153), (781, 17201), (794, 17252), (795, 17255), (801, 17273), (830, 17351), (842, 17378), (861, 17420), (901, 17567), (906, 17573),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for McFly_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (405, 20504), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 151

Candidate Starts for McGuire_28:

(Start: 151 @21127 has 225 MA's), (Start: 167 @21148 has 5 MA's), (Start: 195 @21190 has 1 MA's), (228, 21235), (315, 21451), (333, 21496), (336, 21505), (377, 21595), (378, 21598), (416, 21691), (476, 21793), (510, 21862), (593, 22063), (594, 22066), (601, 22087), (652, 22183), (653, 22186), (655, 22192), (679, 22261), (684, 22279), (686, 22288), (697, 22318), (731, 22414), (747, 22447), (753, 22462), (795, 22603), (813, 22660), (861, 22771), (907, 22924),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 102

Candidate Starts for McKinley_37:

(94, 31755), (Start: 102 @31773 has 86 MA's), (Start: 126 @31809 has 1 MA's), (231, 31947), (272, 32043), (275, 32052), (297, 32121), (315, 32172), (333, 32217), (339, 32232), (377, 32313), (397, 32358), (399, 32367), (453, 32457), (467, 32487), (472, 32502), (480, 32526), (496, 32556), (558, 32661), (609, 32778), (616, 32796), (620, 32811), (648, 32841), (652, 32853), (653, 32856), (660, 32883), (795, 33207), (796, 33210), (811, 33258), (824, 33285), (833, 33312), (859, 33366), (865, 33393), (907, 33531),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for McMater_23:

(Start: 111 @16505 has 26 MA's), (Start: 118 @16514 has 152 MA's), (Start: 121 @16520 has 18 MA's), (143, 16544), (Start: 171 @16583 has 8 MA's), (Start: 233 @16670 has 2 MA's), (238, 16685), (Start: 246 @16703 has 1 MA's), (262, 16736), (317, 16901), (333, 16937), (365, 17015), (369, 17024), (412, 17129), (413, 17132), (428, 17171), (455, 17198), (459, 17204), (475, 17246), (477, 17252), (487, 17279), (574, 17417), (582, 17435), (614, 17525), (628, 17552), (647, 17585), (669, 17657), (686, 17711), (715, 17747), (723, 17771), (749, 17816), (761, 17849), (765, 17864), (773, 17882), (776, 17891), (795, 17966), (811, 18017), (813, 18023), (864, 18125), (900, 18251), (901, 18254), (910, 18272),

Gene: McSinger_28 Start: 21519, Stop: 23321, Start Num: 151

Candidate Starts for McSinger_28:

(Start: 151 @21519 has 225 MA's), (Start: 167 @21540 has 5 MA's), (Start: 195 @21582 has 1 MA's), (228, 21627), (315, 21843), (333, 21888), (336, 21897), (353, 21936), (377, 21987), (378, 21990), (476, 22185), (510, 22254), (593, 22455), (594, 22458), (601, 22479), (652, 22575), (653, 22578), (655, 22584), (679, 22653), (684, 22671), (686, 22680), (697, 22710), (731, 22806), (747, 22839), (753, 22854), (795, 22995), (813, 23052), (861, 23163), (907, 23316),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 178

Candidate Starts for Mcklovin_20:

(96, 19954), (Start: 178 @20071 has 57 MA's), (308, 20329), (316, 20350), (338, 20404), (356, 20443), (378, 20500), (388, 20521), (510, 20692), (515, 20710), (522, 20734), (528, 20755), (568, 20797), (602, 20878), (653, 20968), (685, 21070), (686, 21073), (730, 21127), (766, 21217), (862, 21496), (864, 21505), (873, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 118

Candidate Starts for Mdavu_19:

(Start: 118 @16685 has 152 MA's), (Start: 121 @16691 has 18 MA's), (143, 16715), (Start: 233 @16841 has 2 MA's), (238, 16856), (Start: 246 @16874 has 1 MA's), (273, 16937), (317, 17072), (319, 17078), (365, 17186), (369, 17195), (412, 17300), (455, 17369), (459, 17375), (473, 17411), (477, 17423), (509, 17486), (574, 17588), (582, 17606), (597, 17648), (598, 17651), (647, 17756), (669, 17828), (721, 17936), (723, 17942), (749, 17987), (768, 18041), (776, 18062), (795, 18137), (811, 18188), (862, 18287), (866, 18302), (879, 18338), (889, 18383), (900, 18422), (901, 18425), (910, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 118

Candidate Starts for MeaningOfLife_23:

(Start: 118 @17124 has 152 MA's), (143, 17154), (Start: 246 @17313 has 1 MA's), (262, 17346), (273, 17376), (283, 17409), (288, 17421), (317, 17511), (335, 17553), (365, 17625), (369, 17634), (389, 17673), (405, 17718), (412, 17739), (413, 17742), (445, 17796), (459, 17814), (475, 17856), (477, 17862), (487, 17889), (574, 18027), (582, 18045), (597, 18087), (603, 18105), (614, 18135), (628, 18162), (669, 18267), (749, 18426), (762, 18462), (773, 18492), (776, 18501), (795, 18576), (811, 18627), (889, 18822), (900, 18861), (901, 18864), (910, 18882),

Gene: Medindi_16 Start: 14802, Stop: 16511, Start Num: 129

Candidate Starts for Medindi_16:

(Start: 129 @14802 has 222 MA's), (199, 14889), (Start: 233 @14934 has 2 MA's), (242, 14958), (283, 15063), (286, 15069), (292, 15087), (305, 15117), (350, 15222), (379, 15282), (389, 15303), (394, 15312), (401, 15336), (453, 15411), (455, 15414), (475, 15462), (480, 15477), (482, 15483), (504, 15519), (506, 15522), (511, 15534), (512, 15540), (526, 15588), (531, 15600), (535, 15606), (574, 15666), (579, 15678), (593, 15714), (597, 15726), (624, 15801), (628, 15810), (638, 15828), (642, 15834), (652, 15864), (718, 15969), (721, 15978), (722, 15981), (738, 16017), (766, 16095), (794, 16194), (801, 16215), (811, 16248), (826, 16278), (835, 16308), (841, 16317), (844, 16323), (859, 16338), (860, 16341), (865, 16365), (876, 16395), (881, 16407), (886, 16437), (899, 16479),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Medusa_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for MeeZee_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: MegTheThird_28 Start: 19928, Stop: 21481, Start Num: 285

Candidate Starts for MegTheThird_28:

(98, 19625), (Start: 128 @19667 has 37 MA's), (Start: 149 @19691 has 636 MA's), (255, 19844), (284, 19925), (285, 19928), (314, 20000), (315, 20003), (336, 20057), (339, 20063), (361, 20114), (373, 20141), (377, 20147), (389, 20174), (393, 20180), (405, 20219), (408, 20228), (428, 20261), (472, 20342), (476, 20345), (506, 20405), (546, 20507), (550, 20516), (553, 20531), (587, 20594), (609, 20657), (653, 20738), (692, 20864), (706, 20909), (730, 20963), (731, 20966), (753, 21014), (761, 21038), (785, 21113), (788, 21128), (813, 21212), (859, 21317), (861, 21323), (872, 21368), (900, 21464),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for Megiddo_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891),

(458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 118

Candidate Starts for Megsy_23:

(Start: 118 @17125 has 152 MA's), (143, 17155), (Start: 246 @17314 has 1 MA's), (262, 17347), (273, 17377), (283, 17410), (288, 17422), (317, 17512), (335, 17554), (362, 17617), (365, 17626), (369, 17635), (389, 17674), (405, 17719), (412, 17740), (413, 17743), (459, 17815), (475, 17857), (477, 17863), (487, 17890), (574, 18028), (582, 18046), (597, 18088), (603, 18106), (614, 18136), (628, 18163), (669, 18268), (749, 18427), (762, 18463), (773, 18493), (776, 18502), (795, 18577), (811, 18628), (889, 18823), (900, 18862), (901, 18865), (910, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 214

Candidate Starts for MelBins_34:

(Start: 214 @29286 has 22 MA's), (222, 29298), (240, 29331), (244, 29340), (250, 29352), (263, 29382), (274, 29415), (305, 29499), (310, 29511), (344, 29586), (370, 29646), (385, 29676), (483, 29883), (502, 29913), (518, 29958), (522, 29970), (545, 30018), (574, 30066), (601, 30138), (613, 30171), (614, 30174), (633, 30213), (649, 30252), (678, 30339), (679, 30342), (740, 30420), (762, 30480), (777, 30525), (797, 30606), (815, 30660), (859, 30741), (862, 30756), (899, 30885), (906, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 215

Candidate Starts for Melba_19:

(187, 16614), (Start: 215 @16650 has 57 MA's), (266, 16752), (296, 16830), (298, 16833), (340, 16929), (357, 16968), (392, 17049), (410, 17103), (415, 17118), (512, 17289), (521, 17319), (604, 17502), (612, 17526), (613, 17529), (625, 17577), (659, 17670), (664, 17682), (682, 17727), (713, 17742), (762, 17874), (763, 17877), (792, 17976), (797, 17994), (813, 18045), (842, 18111), (871, 18174), (876, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 129

Candidate Starts for Melissauren88_16:

(Start: 129 @14837 has 222 MA's), (199, 14924), (Start: 233 @14969 has 2 MA's), (242, 14993), (283, 15098), (286, 15104), (292, 15122), (305, 15152), (350, 15257), (379, 15317), (389, 15338), (394, 15347), (399, 15365), (401, 15371), (475, 15497), (480, 15512), (482, 15518), (504, 15554), (506, 15557), (511, 15569), (512, 15575), (526, 15623), (531, 15635), (535, 15641), (574, 15701), (579, 15713), (593, 15749), (597, 15761), (624, 15836), (628, 15845), (638, 15863), (642, 15869), (652, 15899), (718, 16004), (721, 16013), (722, 16016), (738, 16052), (766, 16130), (794, 16229), (801, 16250), (811, 16283), (826, 16313), (835, 16343), (841, 16352), (844, 16358), (859, 16373), (860, 16376), (865, 16400), (876, 16430), (881, 16442), (886, 16472), (899, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 215

Candidate Starts for Mellie_18:

(187, 16375), (Start: 215 @16411 has 57 MA's), (266, 16513), (296, 16591), (298, 16594), (340, 16690), (357, 16729), (382, 16789), (392, 16810), (410, 16864), (415, 16879), (476, 16975), (512, 17050), (521, 17080), (604, 17263), (612, 17287), (625, 17338), (659, 17431), (664, 17443), (682, 17488), (713, 17503), (762, 17635), (763, 17638), (792, 17737), (797, 17755), (813, 17806), (838, 17866), (842, 17872), (871, 17935), (876, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Melville_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Melvin_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 170

Candidate Starts for MerCougar_42:

(Start: 170 @30743 has 41 MA's), (Start: 246 @30857 has 1 MA's), (275, 30941), (347, 31124), (381, 31190), (388, 31205), (399, 31229), (400, 31232), (435, 31316), (454, 31346), (497, 31397), (501, 31406), (510, 31424), (518, 31454), (525, 31478), (576, 31562), (587, 31583), (603, 31631), (626, 31670), (652, 31718), (717, 31844), (731, 31880), (780, 31991), (797, 32054), (801, 32066), (876, 32243), (886, 32285), (905, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 90

Candidate Starts for Mercurio_20:

(16, 16770), (71, 17289), (78, 17307), (Start: 90 @17337 has 1 MA's), (205, 17487), (238, 17541), (262, 17592), (273, 17622), (280, 17646), (307, 17724), (335, 17799), (459, 18069), (463, 18078), (477, 18117), (496, 18156), (511, 18186), (533, 18240), (574, 18282), (628, 18423), (669, 18528), (679, 18555), (729, 18648), (761, 18720), (781, 18783), (786, 18798), (791, 18822), (811, 18888), (862, 18987), (889, 19083), (903, 19128),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 151

Candidate Starts for MetalQZJ_27:

(Start: 151 @21259 has 225 MA's), (Start: 167 @21280 has 5 MA's), (Start: 195 @21322 has 1 MA's), (228, 21367), (315, 21583), (333, 21628), (336, 21637), (377, 21727), (378, 21730), (416, 21823), (476, 21925), (510, 21994), (589, 22183), (593, 22195), (594, 22198), (601, 22219), (652, 22315), (653, 22318), (655, 22324), (679, 22393), (684, 22411), (686, 22420), (697, 22450), (731, 22546), (747, 22579), (753, 22594), (795, 22735), (813, 22792), (861, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 149

Candidate Starts for Methuselah_28:

(Start: 149 @20462 has 636 MA's), (Start: 195 @20519 has 1 MA's), (205, 20534), (231, 20567), (238, 20588), (245, 20603), (280, 20690), (284, 20702), (285, 20705), (315, 20780), (319, 20795), (335, 20831), (428, 21038), (487, 21152), (510, 21191), (542, 21278), (593, 21392), (601, 21416), (609, 21434), (653, 21515), (679, 21590), (684, 21608), (692, 21641), (697, 21647), (706, 21686), (730, 21740), (731, 21743), (744, 21764), (763, 21821), (813, 21989), (859, 22094), (861, 22100), (899, 22235),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 181

Candidate Starts for Meyran_21:

(69, 18715), (Start: 91 @18775 has 1 MA's), (148, 18868), (Start: 174 @18904 has 9 MA's), (Start: 181 @18916 has 3 MA's), (251, 19030), (253, 19036), (272, 19084), (308, 19180), (310, 19186), (359, 19297), (363, 19306), (375, 19333), (378, 19339), (380, 19342), (390, 19363), (480, 19534), (481, 19537), (514, 19603), (518, 19618), (555, 19702), (567, 19711), (587, 19753), (593, 19774), (610, 19822), (613, 19834), (620, 19861), (650, 19930), (676, 19999), (718, 20032), (744, 20089), (762, 20140), (783, 20209), (797, 20260), (808, 20296), (813, 20311), (837, 20368), (843, 20377), (864, 20416), (877, 20455), (880, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 128

Candidate Starts for MiaZeal_34:

(Start: 128 @24890 has 37 MA's), (Start: 196 @24980 has 48 MA's), (199, 24983), (242, 25058), (257, 25085), (280, 25151), (294, 25187), (307, 25217), (312, 25232), (346, 25316), (363, 25352), (377, 25379), (395, 25418), (405, 25451), (408, 25460), (455, 25517), (472, 25559), (509, 25634), (512, 25646), (531, 25706), (561, 25760), (575, 25790), (583, 25808), (588, 25817), (598, 25850), (602, 25862), (604, 25868), (616, 25907), (642, 25964), (726, 26114), (733, 26132), (753, 26174), (761, 26198), (762, 26201), (766, 26216), (777, 26246), (786, 26276), (801, 26333), (867, 26483), (901, 26603), (906, 26609),

Gene: Micasa_24 Start: 19633, Stop: 21429, Start Num: 149

Candidate Starts for Micasa_24:

(Start: 149 @19633 has 636 MA's), (Start: 233 @19738 has 2 MA's), (Start: 246 @19771 has 1 MA's), (285, 19870), (315, 19945), (319, 19960), (335, 19996), (366, 20068), (373, 20083), (393, 20122), (506, 20347), (509, 20353), (560, 20488), (589, 20545), (590, 20548), (593, 20557), (609, 20599), (615, 20617), (652, 20677), (653, 20680), (684, 20773), (686, 20782), (692, 20806), (730, 20914), (747, 20950), (813, 21160), (858, 21262), (861, 21271), (899, 21406), (901, 21415),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 178

Candidate Starts for MichaelScott_20:

(96, 17586), (Start: 178 @17703 has 57 MA's), (308, 17961), (316, 17982), (338, 18036), (356, 18075), (378, 18132), (388, 18153), (510, 18324), (515, 18342), (522, 18366), (528, 18387), (568, 18429), (602, 18510), (653, 18600), (667, 18645), (685, 18702), (686, 18705), (730, 18759), (766, 18849), (862, 19128), (864, 19137), (873, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 134

Candidate Starts for MichelleMyBell_18:

(Start: 134 @14987 has 130 MA's), (155, 15014), (Start: 233 @15119 has 2 MA's), (237, 15131), (254, 15167), (274, 15218), (280, 15239), (283, 15248), (286, 15254), (294, 15275), (301, 15287), (376, 15461), (379, 15467), (388, 15485), (394, 15497), (395, 15500), (401, 15521), (453, 15596), (467, 15623), (475, 15647), (476, 15650), (480, 15662), (504, 15704), (511, 15719), (512, 15725), (515, 15734), (526, 15773), (554, 15827), (574, 15851), (597, 15911), (618, 15977), (624, 15986), (628, 15995), (651, 16046), (652, 16049), (718, 16154), (738, 16202), (753, 16238), (763, 16268), (785, 16340), (835, 16493), (841, 16502), (859, 16523), (862, 16538), (865, 16550), (879, 16586), (881, 16592),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 151

Candidate Starts for Michley_27:

(Start: 151 @21004 has 225 MA's), (Start: 167 @21025 has 5 MA's), (Start: 195 @21067 has 1 MA's), (228, 21112), (315, 21328), (333, 21373), (336, 21382), (353, 21421), (377, 21472), (378, 21475), (476, 21670), (510, 21739), (593, 21940), (594, 21943), (601, 21964), (652, 22060), (653, 22063), (655, 22069), (679, 22138), (684, 22156), (686, 22165), (697, 22195), (731, 22291), (747, 22324), (753, 22339), (795, 22480), (813, 22537), (861, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for Microwolf_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 149

Candidate Starts for MiculUcigas_28:

(Start: 128 @20189 has 37 MA's), (Start: 149 @20213 has 636 MA's), (245, 20348), (284, 20447), (285, 20450), (314, 20522), (315, 20525), (336, 20579), (339, 20585), (366, 20648), (389, 20696), (401, 20729), (428, 20783), (472, 20864), (476, 20867), (487, 20897), (553, 21053), (594, 21140), (653, 21260), (691, 21383), (692, 21386), (697, 21392), (718, 21440), (747, 21503), (753, 21518), (755, 21524), (774, 21578), (785, 21617), (788, 21632), (797, 21665), (859, 21821), (861, 21827), (876, 21881),

Gene: MicyPS_17 Start: 17411, Stop: 19057, Start Num: 170

Candidate Starts for MicyPS_17:

(Start: 170 @17411 has 41 MA's), (285, 17636), (304, 17678), (393, 17888), (428, 17969), (450, 17999), (480, 18065), (508, 18116), (519, 18152), (653, 18395), (660, 18422), (678, 18467), (693, 18524), (749, 18620), (797, 18737), (890, 19001), (896, 19022), (907, 19049),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 149

Candidate Starts for Midas2_24:

(Start: 138 @19695 has 1 MA's), (Start: 149 @19707 has 636 MA's), (Start: 233 @19812 has 2 MA's), (Start: 246 @19845 has 1 MA's), (285, 19944), (315, 20019), (319, 20034), (335, 20070), (366, 20142), (373, 20157), (393, 20196), (506, 20421), (509, 20427), (560, 20562), (589, 20619), (590, 20622), (593, 20631), (609, 20673), (615, 20691), (652, 20751), (653, 20754), (684, 20847), (686, 20856), (692, 20880), (730, 20988), (747, 21024), (813, 21234), (858, 21336), (861, 21345), (899, 21480), (901, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 149

Candidate Starts for Miko_31:

(Start: 128 @21783 has 37 MA's), (Start: 149 @21807 has 636 MA's), (265, 21990), (284, 22041), (285, 22044), (314, 22116), (315, 22119), (336, 22173), (389, 22290), (428, 22377), (465, 22437), (472, 22458), (476, 22461), (496, 22503), (553, 22647), (594, 22734), (609, 22773), (653, 22854), (697, 22986), (747, 23097), (753, 23112), (755, 23118), (774, 23172), (785, 23211), (788, 23226), (797, 23259), (813, 23310), (849, 23388), (859, 23415), (861, 23421), (876, 23475),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 129

Candidate Starts for MilanaBonita_17:

(Start: 129 @15476 has 222 MA's), (199, 15563), (Start: 233 @15608 has 2 MA's), (242, 15632), (283, 15737), (286, 15743), (292, 15761), (305, 15791), (350, 15896), (379, 15956), (389, 15977), (394, 15986), (401, 16010), (475, 16136), (480, 16151), (482, 16157), (504, 16193), (506, 16196), (511, 16208), (512, 16214), (526, 16262), (531, 16274), (535, 16280), (574, 16340), (579, 16352), (593, 16388), (597, 16400), (624, 16475), (628, 16484), (638, 16502), (642, 16508), (652, 16538), (718, 16643), (721, 16652), (722, 16655), (730, 16676), (738, 16691), (763, 16757), (766, 16769), (794, 16868), (801, 16889), (811, 16922), (826, 16952), (835, 16982), (841, 16991), (844, 16997), (859, 17012), (860, 17015), (865, 17039), (876, 17069), (881, 17081), (886, 17111), (899, 17153),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 149

Candidate Starts for Milcery_24:

(Start: 149 @19663 has 636 MA's), (Start: 233 @19768 has 2 MA's), (Start: 246 @19801 has 1 MA's), (285, 19900), (315, 19975), (319, 19990), (335, 20026), (366, 20098), (373, 20113), (393, 20152), (401, 20179), (408, 20200), (433, 20239), (506, 20377), (509, 20383), (560, 20518), (589, 20575), (590, 20578), (593, 20587), (609, 20629), (615, 20647), (652, 20707), (653, 20710), (684, 20803), (686, 20812), (692, 20836), (730, 20944), (747, 20980), (813, 21190), (858, 21292), (861, 21301), (892, 21415), (899, 21436), (901, 21445),

Gene: MilleFeuille_26 Start: 20942, Stop: 22744, Start Num: 151

Candidate Starts for MilleFeuille_26:

(Start: 151 @20942 has 225 MA's), (Start: 167 @20963 has 5 MA's), (Start: 195 @21005 has 1 MA's), (228, 21050), (315, 21266), (333, 21311), (336, 21320), (353, 21359), (377, 21410), (378, 21413), (476, 21608), (510, 21677), (593, 21878), (594, 21881), (601, 21902), (652, 21998), (653, 22001), (655, 22007), (679, 22076), (684, 22094), (686, 22103), (697, 22133), (731, 22229), (747, 22262), (753, 22277), (795, 22418), (813, 22475), (861, 22586),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 129

Candidate Starts for MilleniumForce_17:

(Start: 129 @15620 has 222 MA's), (199, 15707), (Start: 233 @15752 has 2 MA's), (242, 15776), (283, 15881), (286, 15887), (292, 15905), (305, 15935), (350, 16040), (379, 16100), (389, 16121), (394, 16130), (401, 16154), (475, 16280), (480, 16295), (482, 16301), (504, 16337), (506, 16340), (511, 16352), (512, 16358), (526, 16406), (531, 16418), (535, 16424), (574, 16484), (579, 16496), (593, 16532), (597, 16544), (624, 16619), (628, 16628), (638, 16646), (642, 16652), (652, 16682), (718, 16787), (721, 16796), (722, 16799), (738, 16835), (766, 16913), (794, 17012), (801, 17033), (811, 17066), (826, 17096), (835, 17126), (841, 17135), (844, 17141), (859, 17156), (860, 17159), (865, 17183), (876, 17213), (881, 17225), (886, 17255), (899, 17297),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 149

Candidate Starts for Millski_26:

(Start: 128 @19806 has 37 MA's), (Start: 149 @19830 has 636 MA's), (Start: 195 @19887 has 1 MA's), (Start: 233 @19941 has 2 MA's), (238, 19956), (Start: 246 @19974 has 1 MA's), (280, 20058), (284, 20070), (285, 20073), (315, 20148), (319, 20163), (336, 20202), (389, 20319), (428, 20406), (472, 20487), (499, 20535), (510, 20559), (542, 20646), (560, 20691), (594, 20763), (601, 20784), (609, 20802), (653, 20883), (684, 20976), (686, 20985), (692, 21009), (697, 21015), (702, 21039), (731, 21093), (744, 21114), (761, 21165), (770, 21189), (786, 21243), (813, 21339), (859, 21444), (862, 21459), (893, 21567), (899, 21585),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 116

Candidate Starts for Milly_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 116 @15013 has 42 MA's), (Start: 137 @15028 has 56 MA's), (Start: 171 @15070 has 8 MA's), (205, 15118), (Start: 233 @15157 has 2 MA's), (238, 15172), (262, 15223), (273, 15253), (283, 15286), (288, 15298), (294, 15316), (317, 15388), (319, 15394), (361, 15490), (365, 15502), (408, 15604), (413, 15619), (427, 15655), (459, 15691), (477, 15739), (496, 15778), (509, 15802), (512, 15814), (574, 15904), (578, 15913), (669, 16159), (686, 16213), (721, 16267), (773, 16381), (776, 16390), (795, 16465), (811, 16516), (813, 16522), (850, 16603), (862, 16618), (880, 16672), (900, 16753), (910, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 196

Candidate Starts for Mindy_24:

(Start: 134 @19524 has 130 MA's), (Start: 196 @19608 has 48 MA's), (Start: 246 @19686 has 1 MA's), (280, 19773), (286, 19788), (305, 19836), (320, 19875), (361, 19962), (377, 19995), (394, 20031), (402, 20061), (405, 20067), (458, 20136), (477, 20166), (481, 20178), (482, 20181), (512, 20238), (575, 20370), (578, 20376), (602, 20442), (604, 20448), (612, 20472), (628, 20520), (642, 20544), (647, 20553), (672, 20628), (721, 20679), (726, 20694), (786, 20856), (792, 20883), (801,

20913), (843, 21018), (879, 21096), (886, 21132), (889, 21141), (899, 21174), (906, 21189),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 149

Candidate Starts for MinecraftSteve_31:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 128

Candidate Starts for Minerva_37:

(Start: 128 @28330 has 37 MA's), (Start: 196 @28420 has 48 MA's), (229, 28468), (242, 28498), (257, 28525), (294, 28627), (307, 28657), (346, 28756), (363, 28792), (365, 28798), (377, 28819), (405, 28891), (408, 28900), (415, 28921), (482, 29029), (483, 29032), (490, 29047), (512, 29086), (526, 29134), (531, 29146), (535, 29152), (561, 29200), (566, 29209), (575, 29230), (583, 29248), (600, 29296), (638, 29398), (667, 29470), (683, 29515), (685, 29527), (694, 29662), (695, 29668), (696, 29692), (708, 29764), (716, 29791), (802, 30040),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 129

Candidate Starts for MinionDave_17:

(Start: 129 @15489 has 222 MA's), (199, 15576), (Start: 233 @15621 has 2 MA's), (242, 15645), (283, 15750), (286, 15756), (292, 15774), (305, 15804), (350, 15909), (379, 15969), (389, 15990), (394, 15999), (401, 16023), (475, 16149), (480, 16164), (482, 16170), (504, 16206), (506, 16209), (511, 16221), (512, 16227), (526, 16275), (531, 16287), (535, 16293), (574, 16353), (579, 16365), (593, 16401), (597, 16413), (624, 16488), (628, 16497), (638, 16515), (642, 16521), (652, 16551), (718, 16656), (721, 16665), (722, 16668), (738, 16704), (766, 16782), (794, 16881), (801, 16902), (811, 16935), (826, 16965), (835, 16995), (841, 17004), (844, 17010), (859, 17025), (860, 17028), (865, 17052), (876, 17082), (881, 17094), (886, 17124), (899, 17166),

Gene: Minispark_26 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for Minispark_26:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (228, 19702), (231, 19705), (274, 19807), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (336, 19972), (339, 19978), (377, 20062), (389, 20089), (393, 20095), (395, 20101), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (553, 20446), (587, 20509), (594, 20533), (606, 20566), (609, 20572), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (842, 21193), (859, 21232), (861, 21238), (872, 21283),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 134

Candidate Starts for Miniwave_24:

(Start: 134 @19943 has 130 MA's), (Start: 196 @20027 has 48 MA's), (Start: 246 @20105 has 1 MA's), (280, 20192), (286, 20207), (305, 20255), (320, 20294), (361, 20381), (377, 20414), (394, 20450), (402, 20480), (405, 20486), (458, 20555), (477, 20585), (481, 20597), (482, 20600), (512, 20657), (575, 20789), (578, 20795), (602, 20861), (604, 20867), (612, 20891), (628, 20939), (642, 20963), (647, 20972), (672, 21047), (721, 21098), (726, 21113), (786, 21275), (792, 21302), (801, 21332), (843, 21437), (879, 21515), (886, 21551), (889, 21560), (899, 21593), (906, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 129

Candidate Starts for Minnie_17:

(Start: 129 @15349 has 222 MA's), (199, 15436), (Start: 233 @15481 has 2 MA's), (242, 15505), (283, 15610), (286, 15616), (292, 15634), (305, 15664), (350, 15769), (376, 15823), (379, 15829), (389, 15850), (394, 15859), (401, 15883), (475, 16009), (480, 16024), (482, 16030), (504, 16066), (506,

16069), (511, 16081), (512, 16087), (526, 16135), (531, 16147), (535, 16153), (574, 16213), (579, 16225), (593, 16261), (597, 16273), (624, 16348), (628, 16357), (638, 16375), (642, 16381), (652, 16411), (718, 16516), (721, 16525), (722, 16528), (738, 16564), (766, 16642), (794, 16741), (801, 16762), (811, 16795), (826, 16825), (835, 16855), (841, 16864), (844, 16870), (859, 16885), (860, 16888), (865, 16912), (876, 16942), (881, 16954), (886, 16984), (899, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 215

Candidate Starts for MintFen_19:

(187, 16614), (Start: 215 @16650 has 57 MA's), (266, 16752), (296, 16830), (298, 16833), (340, 16929), (357, 16968), (392, 17049), (410, 17103), (415, 17118), (512, 17289), (521, 17319), (604, 17502), (612, 17526), (613, 17529), (625, 17577), (659, 17670), (664, 17682), (682, 17727), (713, 17742), (762, 17874), (763, 17877), (792, 17976), (797, 17994), (813, 18045), (842, 18111), (871, 18174), (876, 18186),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 153

Candidate Starts for Miramae_27:

(70, 19619), (87, 19664), (Start: 128 @19745 has 37 MA's), (Start: 149 @19769 has 636 MA's), (Start: 153 @19775 has 10 MA's), (Start: 195 @19829 has 1 MA's), (238, 19898), (273, 19976), (280, 20000), (284, 20012), (285, 20015), (315, 20090), (319, 20105), (336, 20144), (378, 20237), (389, 20261), (428, 20348), (487, 20462), (542, 20588), (560, 20633), (593, 20702), (601, 20726), (606, 20738), (653, 20825), (679, 20900), (684, 20918), (692, 20951), (697, 20957), (700, 20972), (730, 21050), (731, 21053), (744, 21074), (813, 21299), (859, 21404), (861, 21410), (899, 21545), (907, 21563),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 121

Candidate Starts for Miryou_21:

(Start: 121 @17480 has 18 MA's), (124, 17486), (Start: 145 @17510 has 2 MA's), (Start: 171 @17543 has 8 MA's), (205, 17591), (238, 17645), (262, 17696), (283, 17759), (319, 17867), (365, 17975), (412, 18089), (413, 18092), (428, 18131), (445, 18146), (455, 18158), (459, 18164), (475, 18206), (477, 18212), (496, 18251), (509, 18275), (574, 18377), (598, 18440), (613, 18485), (669, 18620), (718, 18719), (753, 18797), (761, 18821), (768, 18842), (773, 18854), (775, 18860), (795, 18938), (797, 18944), (864, 19097), (894, 19202), (895, 19205), (900, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 134

Candidate Starts for Misfit_24:

(Start: 134 @19833 has 130 MA's), (Start: 196 @19917 has 48 MA's), (Start: 246 @19995 has 1 MA's), (280, 20082), (286, 20097), (305, 20145), (320, 20184), (361, 20271), (377, 20304), (394, 20340), (402, 20370), (405, 20376), (458, 20445), (477, 20475), (481, 20487), (482, 20490), (512, 20547), (575, 20679), (578, 20685), (602, 20751), (604, 20757), (612, 20781), (628, 20829), (642, 20853), (647, 20862), (672, 20937), (721, 20988), (726, 21003), (786, 21165), (792, 21192), (801, 21222), (843, 21327), (879, 21405), (886, 21441), (889, 21450), (899, 21483), (906, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Misha28_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (297, 14971), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (389, 15178), (394, 15187), (401, 15211), (413, 15247), (415, 15253), (427, 15265), (453, 15286), (455, 15289), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (583, 15562), (593, 15589), (597, 15601), (604, 15622), (624, 15676), (628, 15685), (642, 15709), (652, 15739), (718, 15844), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (801, 16090), (811, 16123), (826, 16153), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (881, 16282), (899, 16354), (900, 16360),

Gene: Miskis_46 Start: 29375, Stop: 31066, Start Num: 150

Candidate Starts for Miskis_46:

(Start: 150 @29375 has 17 MA's), (192, 29435), (Start: 214 @29468 has 22 MA's), (Start: 233 @29498 has 2 MA's), (234, 29501), (283, 29627), (294, 29660), (299, 29669), (353, 29798), (375, 29846), (512, 30059), (514, 30065), (521, 30089), (587, 30218), (593, 30239), (604, 30272), (672, 30470), (763, 30623), (792, 30722), (795, 30734), (798, 30743), (829, 30827), (887, 30974), (897, 31010), (901, 31022),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 149

Candidate Starts for Misomonster_31:

(Start: 149 @20462 has 636 MA's), (Start: 195 @20519 has 1 MA's), (205, 20534), (231, 20567), (238, 20588), (245, 20603), (280, 20690), (284, 20702), (285, 20705), (315, 20780), (319, 20795), (335, 20831), (428, 21038), (487, 21152), (510, 21191), (542, 21278), (593, 21392), (601, 21416), (609, 21434), (653, 21515), (679, 21590), (684, 21608), (692, 21641), (697, 21647), (706, 21686), (730, 21740), (731, 21743), (744, 21764), (763, 21821), (813, 21989), (859, 22094), (861, 22100), (899, 22235),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 116

Candidate Starts for MissDaisy_24:

(Start: 95 @18349 has 1 MA's), (Start: 111 @18379 has 26 MA's), (Start: 116 @18385 has 42 MA's), (Start: 118 @18388 has 152 MA's), (Start: 171 @18442 has 8 MA's), (205, 18490), (Start: 233 @18529 has 2 MA's), (238, 18544), (Start: 246 @18562 has 1 MA's), (262, 18595), (273, 18625), (288, 18670), (294, 18688), (317, 18760), (319, 18766), (333, 18796), (361, 18862), (365, 18874), (420, 19009), (455, 19057), (459, 19063), (467, 19081), (477, 19111), (496, 19150), (574, 19276), (597, 19336), (598, 19339), (604, 19357), (610, 19372), (669, 19540), (686, 19594), (718, 19639), (739, 19684), (749, 19708), (761, 19741), (773, 19774), (776, 19783), (792, 19846), (795, 19858), (811, 19909), (813, 19915), (864, 20017), (900, 20143), (910, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 215

Candidate Starts for MissRona_21:

(187, 16926), (Start: 215 @16962 has 57 MA's), (224, 16971), (266, 17067), (296, 17145), (326, 17217), (340, 17244), (357, 17283), (392, 17364), (410, 17418), (512, 17604), (521, 17634), (573, 17733), (604, 17817), (612, 17841), (625, 17892), (659, 17985), (664, 17997), (682, 18042), (713, 18057), (762, 18189), (763, 18192), (792, 18291), (797, 18309), (813, 18360), (838, 18420), (842, 18426), (876, 18501),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 149

Candidate Starts for MissWhite_28:

(98, 19212), (Start: 128 @19254 has 37 MA's), (Start: 149 @19278 has 636 MA's), (231, 19377), (Start: 246 @19416 has 1 MA's), (284, 19512), (285, 19515), (314, 19587), (315, 19590), (319, 19605), (336, 19644), (339, 19650), (389, 19761), (393, 19767), (428, 19848), (463, 19905), (472, 19929), (476, 19932), (526, 20058), (546, 20094), (593, 20202), (609, 20244), (648, 20310), (653, 20325), (717, 20523), (731, 20556), (736, 20565), (747, 20589), (753, 20604), (761, 20628), (785, 20703), (788, 20718), (859, 20907), (861, 20913), (872, 20958),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for MisterCuddles_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (376, 15248), (379, 15254), (383, 15263), (389, 15275), (394, 15284), (401, 15308), (413, 15344), (415, 15350), (427, 15362), (453, 15383), (455, 15386), (460, 15395), (467, 15410), (469, 15416), (475, 15434), (480, 15449), (482, 15455), (490, 15473), (493, 15476), (504, 15491), (511, 15506), (512, 15512), (521, 15542), (526,

15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (604, 15719), (624, 15773), (628, 15782), (642, 15806), (652, 15836), (718, 15941), (722, 15953), (738, 15989), (754, 16028), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (864, 16334), (865, 16337), (881, 16379), (886, 16409), (899, 16451), (900, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Mitti_24:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 116 @18543 has 42 MA's), (Start: 118 @18546 has 152 MA's), (Start: 171 @18603 has 8 MA's), (205, 18651), (Start: 233 @18690 has 2 MA's), (238, 18705), (Start: 246 @18723 has 1 MA's), (262, 18756), (273, 18786), (288, 18831), (294, 18849), (317, 18921), (319, 18927), (333, 18957), (361, 19023), (365, 19035), (420, 19170), (455, 19218), (459, 19224), (467, 19242), (477, 19272), (496, 19311), (574, 19437), (597, 19497), (598, 19500), (604, 19518), (610, 19533), (669, 19701), (686, 19755), (718, 19800), (739, 19845), (749, 19869), (761, 19902), (773, 19935), (792, 20007), (795, 20019), (811, 20070), (813, 20076), (864, 20178), (900, 20304), (910, 20325),

Gene: Mkhuseli_28 Start: 21152, Stop: 22954, Start Num: 151

Candidate Starts for Mkhuseli_28:

(Start: 151 @21152 has 225 MA's), (Start: 167 @21173 has 5 MA's), (Start: 195 @21215 has 1 MA's), (228, 21260), (315, 21476), (333, 21521), (336, 21530), (353, 21569), (377, 21620), (378, 21623), (401, 21680), (476, 21818), (510, 21887), (593, 22088), (594, 22091), (601, 22112), (652, 22208), (653, 22211), (655, 22217), (679, 22286), (684, 22304), (686, 22313), (697, 22343), (731, 22439), (747, 22472), (753, 22487), (763, 22517), (795, 22628), (813, 22685), (861, 22796),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Mocha12_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 157

Candidate Starts for ModicumRichard_19:

(Start: 146 @16533 has 12 MA's), (Start: 157 @16548 has 6 MA's), (162, 16554), (Start: 181 @16584 has 3 MA's), (188, 16593), (304, 16827), (315, 16860), (334, 16908), (366, 16983), (388, 17028), (428, 17118), (441, 17133), (469, 17187), (472, 17196), (487, 17229), (508, 17262), (510, 17268), (628, 17502), (639, 17514), (652, 17541), (660, 17574), (675, 17613), (679, 17622), (700, 17694), (720, 17709), (731, 17733), (753, 17781), (791, 17868), (797, 17889), (820, 17955), (849, 18021), (864, 18069), (890, 18159), (907, 18207),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Modragons_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881,

16646), (886, 16676), (899, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 134

Candidate Starts for Moldemort_25:

(Start: 134 @19488 has 130 MA's), (Start: 196 @19572 has 48 MA's), (Start: 246 @19650 has 1 MA's), (280, 19737), (286, 19752), (305, 19800), (320, 19839), (361, 19926), (377, 19959), (394, 19995), (402, 20025), (405, 20031), (458, 20100), (477, 20130), (481, 20142), (482, 20145), (512, 20202), (575, 20334), (578, 20340), (602, 20406), (604, 20412), (612, 20436), (628, 20484), (642, 20508), (647, 20517), (672, 20592), (721, 20643), (726, 20658), (786, 20820), (792, 20847), (801, 20877), (843, 20982), (879, 21060), (886, 21096), (889, 21105), (899, 21138), (906, 21153),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 151

Candidate Starts for Molly_28:

(Start: 151 @20868 has 225 MA's), (Start: 167 @20889 has 5 MA's), (Start: 195 @20931 has 1 MA's), (228, 20976), (315, 21192), (333, 21237), (336, 21246), (353, 21285), (377, 21336), (378, 21339), (476, 21534), (510, 21603), (593, 21804), (594, 21807), (601, 21828), (652, 21924), (653, 21927), (655, 21933), (679, 22002), (684, 22020), (686, 22029), (697, 22059), (731, 22155), (747, 22188), (753, 22203), (795, 22344), (813, 22401), (861, 22512),

Gene: MollyToe_24 Start: 20001, Stop: 21596, Start Num: 196

Candidate Starts for MollyToe_24:

(Start: 134 @19917 has 130 MA's), (Start: 196 @20001 has 48 MA's), (Start: 246 @20079 has 1 MA's), (280, 20166), (286, 20181), (305, 20229), (320, 20268), (361, 20355), (377, 20388), (394, 20424), (402, 20454), (405, 20460), (458, 20529), (477, 20559), (481, 20571), (482, 20574), (512, 20631), (575, 20763), (578, 20769), (602, 20835), (604, 20841), (612, 20865), (628, 20913), (642, 20937), (647, 20946), (672, 21021), (721, 21072), (726, 21087), (786, 21249), (792, 21276), (801, 21306), (843, 21411), (879, 21489), (886, 21525), (889, 21534), (899, 21567), (906, 21582),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 149

Candidate Starts for Mollymur_31:

(Start: 149 @28168 has 636 MA's), (Start: 152 @28171 has 5 MA's), (166, 28189), (192, 28228), (325, 28531), (353, 28588), (375, 28636), (408, 28720), (430, 28858), (431, 28864), (453, 28930), (512, 29062), (514, 29068), (609, 29287), (610, 29290), (654, 29410), (672, 29470), (721, 29521), (726, 29536), (792, 29722), (795, 29734), (813, 29791), (908, 30034), (911, 30058),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 151

Candidate Starts for Monet_29:

(Start: 151 @22353 has 225 MA's), (Start: 167 @22374 has 5 MA's), (Start: 195 @22416 has 1 MA's), (228, 22461), (315, 22677), (333, 22722), (336, 22731), (353, 22770), (377, 22821), (378, 22824), (416, 22917), (476, 23019), (510, 23088), (593, 23289), (594, 23292), (601, 23313), (652, 23409), (653, 23412), (655, 23418), (679, 23487), (684, 23505), (686, 23514), (697, 23544), (731, 23640), (747, 23673), (753, 23688), (795, 23829), (813, 23886), (861, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for MoneyMay_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Montavir_28 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for Montavir_28:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 135

Candidate Starts for MooMoo_16:

(Start: 111 @14511 has 26 MA's), (114, 14514), (Start: 135 @14544 has 1 MA's), (Start: 215 @14646 has 57 MA's), (254, 14718), (264, 14742), (394, 15048), (427, 15126), (475, 15198), (480, 15213), (482, 15219), (483, 15222), (506, 15258), (512, 15276), (526, 15324), (531, 15336), (602, 15477), (624, 15537), (628, 15546), (642, 15570), (650, 15594), (651, 15597), (652, 15600), (662, 15633), (730, 15738), (777, 15861), (779, 15870), (792, 15921), (794, 15930), (813, 15990), (829, 16032), (833, 16044), (858, 16101), (859, 16104), (877, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 129

Candidate Starts for Moonbeam_17:

(Start: 129 @15298 has 222 MA's), (199, 15385), (Start: 233 @15430 has 2 MA's), (242, 15454), (283, 15559), (286, 15565), (292, 15583), (305, 15613), (350, 15718), (379, 15778), (389, 15799), (394, 15808), (401, 15832), (475, 15958), (480, 15973), (482, 15979), (504, 16015), (506, 16018), (511, 16030), (512, 16036), (526, 16084), (531, 16096), (535, 16102), (574, 16162), (579, 16174), (593, 16210), (597, 16222), (624, 16297), (628, 16306), (638, 16324), (642, 16330), (652, 16360), (718, 16465), (721, 16474), (722, 16477), (738, 16513), (766, 16591), (794, 16690), (801, 16711), (811, 16744), (826, 16774), (835, 16804), (841, 16813), (844, 16819), (859, 16834), (860, 16837), (865, 16861), (876, 16891), (881, 16903), (886, 16933), (899, 16975),

Gene: Moonflower_19 Start: 17249, Stop: 18943, Start Num: 154

Candidate Starts for Moonflower_19:

(119, 17207), (Start: 126 @17219 has 1 MA's), (Start: 154 @17249 has 7 MA's), (231, 17351), (253, 17402), (275, 17459), (290, 17510), (317, 17588), (319, 17594), (453, 17867), (477, 17927), (494, 17963), (513, 18005), (547, 18047), (571, 18101), (684, 18362), (713, 18437), (736, 18479), (755, 18524), (795, 18620), (796, 18623), (801, 18638), (863, 18797), (864, 18803), (890, 18890), (906, 18935),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 102

Candidate Starts for MoontowerMania_34:

(94, 30569), (Start: 102 @30587 has 86 MA's), (Start: 126 @30623 has 1 MA's), (231, 30761), (272, 30857), (275, 30866), (297, 30935), (315, 30986), (333, 31031), (339, 31046), (377, 31127), (397, 31172), (399, 31181), (453, 31271), (467, 31301), (472, 31316), (480, 31340), (496, 31370), (558, 31475), (609, 31592), (616, 31610), (620, 31625), (648, 31655), (652, 31667), (653, 31670), (660, 31697), (795, 32021), (796, 32024), (811, 32072), (824, 32099), (833, 32126), (859, 32180), (865, 32207), (901, 32336),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 151

Candidate Starts for Moose_26:

(Start: 151 @21094 has 225 MA's), (Start: 167 @21115 has 5 MA's), (Start: 195 @21157 has 1 MA's), (228, 21202), (315, 21418), (333, 21463), (336, 21472), (353, 21511), (377, 21562), (378, 21565), (476, 21760), (510, 21829), (593, 22030), (594, 22033), (601, 22054), (652, 22150), (653, 22153), (655, 22159), (679, 22228), (684, 22246), (686, 22255), (697, 22285), (731, 22381), (747, 22414), (753, 22429), (763, 22459), (795, 22570), (813, 22627), (861, 22738),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 179

Candidate Starts for Moosehead_17:

(Start: 91 @14528 has 1 MA's), (96, 14543), (Start: 179 @14663 has 33 MA's), (209, 14705), (248, 14780), (271, 14852), (272, 14855), (295, 14930), (338, 15026), (347, 15053), (356, 15065), (388, 15143), (389, 15146), (405, 15191), (471, 15332), (509, 15413), (526, 15473), (528, 15479), (568, 15521), (602, 15602), (606, 15614), (626, 15638), (637, 15656), (645, 15671), (654, 15695), (685, 15791), (686, 15794), (792, 16025), (796, 16040), (847, 16175), (849, 16178), (864, 16226), (873, 16256), (884, 16292),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 157

Candidate Starts for Morgana_19:

(73, 16391), (Start: 126 @16502 has 1 MA's), (Start: 146 @16526 has 12 MA's), (Start: 157 @16541 has 6 MA's), (162, 16547), (Start: 181 @16577 has 3 MA's), (188, 16586), (304, 16820), (315, 16853), (334, 16901), (366, 16976), (377, 16997), (388, 17021), (393, 17030), (401, 17057), (441, 17126), (469, 17180), (472, 17189), (487, 17222), (508, 17255), (510, 17261), (639, 17507), (652, 17534), (660, 17567), (675, 17606), (679, 17615), (700, 17687), (720, 17702), (731, 17726), (753, 17774), (791, 17861), (797, 17882), (820, 17948), (849, 18014), (864, 18062), (890, 18152),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 113

Candidate Starts for Mori_56:

(Start: 106 @33507 has 2 MA's), (Start: 113 @33516 has 28 MA's), (Start: 179 @33606 has 33 MA's), (253, 33723), (265, 33759), (275, 33780), (283, 33807), (286, 33813), (299, 33843), (308, 33867), (330, 33918), (394, 34056), (396, 34062), (412, 34113), (413, 34116), (427, 34134), (475, 34185), (482, 34206), (483, 34209), (511, 34257), (512, 34263), (526, 34311), (528, 34317), (531, 34323), (563, 34383), (574, 34407), (575, 34410), (593, 34455), (598, 34470), (601, 34479), (604, 34488), (618, 34533), (628, 34551), (647, 34584), (722, 34722), (730, 34743), (758, 34809), (768, 34839), (784, 34893), (794, 34935), (801, 34956), (807, 34977), (811, 34989), (821, 35010), (844, 35064), (879, 35142), (886, 35178), (892, 35199), (900, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 117

Candidate Starts for Morkie_18:

(Start: 117 @15153 has 26 MA's), (Start: 123 @15165 has 8 MA's), (158, 15207), (231, 15309), (265, 15381), (301, 15462), (317, 15513), (333, 15546), (347, 15588), (353, 15594), (373, 15642), (397, 15693), (408, 15729), (437, 15771), (453, 15792), (457, 15798), (467, 15822), (487, 15873), (489, 15876), (508, 15906), (660, 16218), (684, 16284), (691, 16314), (740, 16407), (748, 16428), (753, 16440), (755, 16446), (757, 16452), (760, 16458), (787, 16512), (795, 16542), (818, 16611), (859, 16698), (861, 16704), (866, 16728), (875, 16755),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 149

Candidate Starts for Morpher26_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19886 has 1 MA's), (238, 19955), (273, 20033), (280, 20057), (284, 20069), (285, 20072), (302, 20108), (315, 20147), (336, 20201), (378, 20294), (389, 20318), (428, 20405), (487, 20519), (510, 20558), (542, 20645), (560, 20690), (593, 20759), (601, 20783), (606, 20795), (653, 20882), (679, 20957), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (700, 21029), (712, 21062), (730, 21107), (731, 21110), (744, 21131), (813, 21356), (849, 21434), (859, 21461), (861, 21467), (899, 21602),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 215

Candidate Starts for Morrissey_19:

(Start: 208 @16032 has 12 MA's), (Start: 215 @16044 has 57 MA's), (236, 16077), (261, 16131), (327, 16308), (404, 16482), (470, 16599), (483, 16638), (509, 16680), (531, 16752), (551, 16785), (579, 16839), (594, 16878), (601, 16899), (650, 17016), (667, 17058), (671, 17076), (678, 17088), (718, 17118), (753, 17202), (758, 17217), (761, 17226), (777, 17274), (861, 17484), (890, 17592),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 149

Candidate Starts for Morrow_27:

(Start: 128 @19806 has 37 MA's), (Start: 149 @19830 has 636 MA's), (Start: 195 @19887 has 1 MA's), (Start: 233 @19941 has 2 MA's), (238, 19956), (Start: 246 @19974 has 1 MA's), (280, 20058), (284, 20070), (285, 20073), (315, 20148), (319, 20163), (336, 20202), (389, 20319), (428, 20406), (472, 20487), (499, 20535), (510, 20559), (542, 20646), (560, 20691), (594, 20763), (601, 20784), (609, 20802), (653, 20883), (684, 20976), (686, 20985), (692, 21009), (697, 21015), (702, 21039), (731, 21093), (744, 21114), (761, 21165), (770, 21189), (786, 21243), (813, 21339), (859, 21444), (862, 21459), (893, 21567), (899, 21585),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 117

Candidate Starts for MortyNRick_19:

(Start: 117 @16293 has 26 MA's), (Start: 123 @16305 has 8 MA's), (Start: 126 @16308 has 1 MA's), (202, 16410), (228, 16446), (257, 16512), (317, 16656), (321, 16665), (330, 16683), (347, 16725), (353, 16731), (363, 16755), (373, 16779), (397, 16830), (398, 16836), (408, 16866), (437, 16908), (453, 16929), (457, 16935), (467, 16959), (487, 17010), (489, 17013), (508, 17043), (589, 17193), (601, 17229), (660, 17355), (684, 17421), (686, 17430), (689, 17442), (691, 17451), (740, 17544), (748, 17565), (753, 17577), (755, 17583), (757, 17589), (760, 17595), (787, 17649), (795, 17679), (818, 17748), (859, 17835), (861, 17841), (875, 17892), (899, 17979), (907, 17997),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 196

Candidate Starts for Mosby_23:

(Start: 134 @19253 has 130 MA's), (Start: 196 @19337 has 48 MA's), (Start: 246 @19415 has 1 MA's), (280, 19502), (286, 19517), (305, 19565), (320, 19604), (361, 19691), (377, 19724), (394, 19760), (402, 19790), (405, 19796), (458, 19865), (477, 19895), (481, 19907), (482, 19910), (512, 19967), (575, 20099), (578, 20105), (602, 20171), (604, 20177), (612, 20201), (628, 20249), (642, 20273), (647, 20282), (672, 20357), (721, 20408), (726, 20423), (786, 20585), (792, 20612), (801, 20642), (843, 20747), (879, 20825), (886, 20861), (889, 20870), (899, 20903), (906, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 129

Candidate Starts for Mova_17:

(Start: 129 @14657 has 222 MA's), (199, 14744), (Start: 233 @14789 has 2 MA's), (242, 14813), (283, 14918), (286, 14924), (292, 14942), (305, 14972), (350, 15077), (379, 15137), (389, 15158), (394, 15167), (401, 15191), (453, 15266), (475, 15317), (480, 15332), (482, 15338), (504, 15374), (506, 15377), (511, 15389), (512, 15395), (526, 15443), (531, 15455), (535, 15461), (574, 15521), (579, 15533), (593, 15569), (597, 15581), (624, 15656), (628, 15665), (638, 15683), (642, 15689), (652, 15719), (718, 15824), (721, 15833), (722, 15836), (738, 15872), (766, 15950), (794, 16049), (801, 16070), (811, 16103), (826, 16133), (835, 16163), (841, 16172), (844, 16178), (859, 16193), (860, 16196), (865, 16220), (876, 16250), (881, 16262), (886, 16292), (899, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Mowgli_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 129

Candidate Starts for Mozy_17:

(Start: 129 @14705 has 222 MA's), (Start: 215 @14813 has 57 MA's), (Start: 233 @14837 has 2 MA's), (242, 14861), (253, 14882), (265, 14918), (274, 14936), (275, 14939), (286, 14972), (292, 14990), (305, 15020), (350, 15125), (379, 15185), (389, 15206), (394, 15215), (401, 15239), (415, 15281), (453, 15314), (469, 15347), (475, 15365), (480, 15380), (482, 15386), (504, 15422), (506, 15425), (511, 15437), (512, 15443), (521, 15473), (526, 15491), (531, 15503), (535, 15509), (574, 15569), (593, 15617), (597, 15629), (624, 15704), (628, 15713), (642, 15737), (652, 15767), (718, 15872), (722, 15884), (738, 15920), (754, 15959), (766, 15998), (801, 16118), (811, 16151), (826, 16181), (835, 16211), (839, 16217), (841, 16220), (844, 16226), (859, 16241), (860, 16244), (864, 16265), (865, 16268), (881, 16310), (886, 16340), (899, 16382),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 151

Candidate Starts for MrGordo_27:

(Start: 151 @20817 has 225 MA's), (Start: 167 @20838 has 5 MA's), (Start: 195 @20880 has 1 MA's), (228, 20925), (315, 21141), (333, 21186), (336, 21195), (353, 21234), (377, 21285), (378, 21288), (476, 21483), (510, 21552), (593, 21753), (594, 21756), (601, 21777), (652, 21873), (653, 21876), (655, 21882), (684, 21969), (697, 22008), (731, 22104), (747, 22137), (753, 22152), (795, 22293), (813, 22350), (861, 22461),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 151

Candidate Starts for Mryolo_26:

(Start: 151 @20854 has 225 MA's), (Start: 167 @20875 has 5 MA's), (Start: 195 @20917 has 1 MA's), (228, 20962), (315, 21178), (333, 21223), (336, 21232), (353, 21271), (377, 21322), (378, 21325), (476, 21520), (510, 21589), (593, 21790), (594, 21793), (601, 21814), (652, 21910), (653, 21913), (655, 21919), (679, 21988), (684, 22006), (686, 22015), (697, 22045), (731, 22141), (747, 22174), (753, 22189), (795, 22330), (813, 22387), (861, 22498),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for Ms6_16:

(Start: 129 @14816 has 222 MA's), (199, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (283, 15077), (286, 15083), (292, 15101), (305, 15131), (350, 15236), (379, 15296), (389, 15317), (394, 15326), (401, 15350), (475, 15476), (480, 15491), (482, 15497), (504, 15533), (506, 15536), (511, 15548), (512, 15554), (526, 15602), (531, 15614), (535, 15620), (574, 15680), (579, 15692), (593, 15728), (597, 15740), (624, 15815), (628, 15824), (638, 15842), (642, 15848), (652, 15878), (718, 15983), (721, 15992), (722, 15995), (738, 16031), (766, 16109), (794, 16208), (801, 16229), (811, 16262), (826, 16292), (835, 16322), (841, 16331), (844, 16337), (859, 16352), (860, 16355), (865, 16379), (876, 16409), (881, 16421), (886, 16451), (899, 16493),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for MuchMore_31:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 92

Candidate Starts for Muddy_21:

(83, 16177), (Start: 92 @16213 has 4 MA's), (143, 16291), (186, 16351), (Start: 233 @16417 has 2 MA's), (254, 16468), (262, 16483), (263, 16486), (381, 16792), (402, 16849), (406, 16858), (420, 16897), (421, 16900), (444, 16963), (459, 16984), (482, 17047), (486, 17056), (496, 17071), (509, 17095), (578, 17206), (593, 17245), (600, 17266), (612, 17302), (613, 17305), (635, 17347), (644, 17362), (647, 17368), (777, 17677), (779, 17686), (781, 17692), (785, 17704), (792, 17734), (799,

17758), (847, 17878), (873, 17935), (897, 18022), (900, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 116

Candidate Starts for Mufasa_19:

(Start: 95 @14997 has 1 MA's), (Start: 111 @15027 has 26 MA's), (Start: 116 @15033 has 42 MA's), (Start: 137 @15048 has 56 MA's), (Start: 171 @15090 has 8 MA's), (205, 15138), (Start: 233 @15177 has 2 MA's), (238, 15192), (262, 15243), (273, 15273), (283, 15306), (288, 15318), (294, 15336), (317, 15408), (319, 15414), (361, 15510), (365, 15522), (406, 15618), (459, 15711), (467, 15729), (475, 15753), (477, 15759), (496, 15798), (509, 15822), (512, 15834), (574, 15924), (578, 15933), (598, 15987), (609, 16017), (652, 16128), (669, 16179), (721, 16287), (773, 16401), (776, 16410), (795, 16485), (811, 16536), (813, 16542), (862, 16638), (880, 16692), (900, 16773), (910, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 168

Candidate Starts for Mulch_22:

(103, 17269), (Start: 168 @17344 has 17 MA's), (Start: 233 @17437 has 2 MA's), (238, 17452), (241, 17458), (273, 17533), (295, 17605), (334, 17716), (354, 17761), (361, 17779), (365, 17791), (455, 17962), (460, 17971), (463, 17977), (475, 18010), (506, 18073), (523, 18124), (557, 18148), (573, 18172), (601, 18247), (614, 18286), (667, 18418), (721, 18532), (761, 18619), (794, 18733), (797, 18742), (835, 18847), (877, 18934), (910, 19042),

Gene: MulchExplorer_18 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for MulchExplorer_18:

(Start: 129 @15928 has 222 MA's), (199, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (283, 16189), (286, 16195), (292, 16213), (305, 16243), (350, 16348), (355, 16354), (379, 16408), (383, 16417), (389, 16429), (394, 16438), (401, 16462), (460, 16549), (467, 16564), (475, 16588), (480, 16603), (482, 16609), (504, 16645), (506, 16648), (511, 16660), (512, 16666), (526, 16714), (531, 16726), (535, 16732), (574, 16792), (579, 16804), (593, 16840), (597, 16852), (604, 16873), (624, 16927), (628, 16936), (638, 16954), (642, 16960), (652, 16990), (718, 17095), (721, 17104), (722, 17107), (738, 17143), (763, 17209), (766, 17221), (794, 17320), (801, 17341), (811, 17374), (826, 17404), (835, 17434), (841, 17443), (844, 17449), (859, 17464), (860, 17467), (865, 17491), (876, 17521), (881, 17533), (886, 17563), (899, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 129

Candidate Starts for MulchSalad_16:

(Start: 129 @14726 has 222 MA's), (199, 14813), (Start: 215 @14834 has 57 MA's), (Start: 233 @14858 has 2 MA's), (242, 14882), (283, 14987), (286, 14993), (292, 15011), (297, 15020), (305, 15041), (350, 15146), (376, 15200), (379, 15206), (389, 15227), (394, 15236), (401, 15260), (475, 15386), (480, 15401), (482, 15407), (493, 15428), (504, 15443), (506, 15446), (511, 15458), (512, 15464), (526, 15512), (531, 15524), (535, 15530), (574, 15590), (579, 15602), (593, 15638), (597, 15650), (624, 15725), (628, 15734), (638, 15752), (642, 15758), (652, 15788), (718, 15893), (721, 15902), (722, 15905), (738, 15941), (766, 16019), (794, 16118), (801, 16139), (811, 16172), (826, 16202), (835, 16232), (841, 16241), (844, 16247), (859, 16262), (860, 16265), (864, 16286), (865, 16289), (881, 16331), (899, 16403),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 149

Candidate Starts for Mulciber_28:

(98, 20683), (Start: 128 @20725 has 37 MA's), (Start: 149 @20749 has 636 MA's), (188, 20791), (Start: 246 @20887 has 1 MA's), (255, 20902), (284, 20983), (285, 20986), (315, 21061), (319, 21076), (336, 21115), (339, 21121), (361, 21172), (389, 21232), (393, 21238), (428, 21319), (476, 21403), (526, 21529), (533, 21547), (550, 21574), (609, 21715), (648, 21781), (652, 21793), (653, 21796), (712, 21985), (721, 22012), (726, 22021), (736, 22042), (738, 22045), (747, 22066), (753, 22081), (761, 22105), (785, 22180), (788, 22195), (813, 22279), (859, 22384), (861, 22390), (876, 22444), (907, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 151

Candidate Starts for Mule_27:

(Start: 151 @21163 has 225 MA's), (Start: 167 @21184 has 5 MA's), (Start: 195 @21226 has 1 MA's), (228, 21271), (315, 21487), (333, 21532), (336, 21541), (353, 21580), (377, 21631), (378, 21634), (476, 21829), (510, 21898), (593, 22099), (594, 22102), (601, 22123), (652, 22219), (653, 22222), (655, 22228), (679, 22297), (684, 22315), (686, 22324), (697, 22354), (731, 22450), (747, 22483), (753, 22498), (795, 22639), (813, 22696), (861, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 149

Candidate Starts for Munch_28:

(98, 20689), (Start: 128 @20731 has 37 MA's), (Start: 149 @20755 has 636 MA's), (188, 20797), (Start: 246 @20893 has 1 MA's), (255, 20908), (284, 20989), (285, 20992), (315, 21067), (319, 21082), (336, 21121), (339, 21127), (361, 21178), (389, 21238), (393, 21244), (428, 21325), (476, 21409), (526, 21535), (533, 21553), (550, 21580), (609, 21721), (648, 21787), (652, 21799), (653, 21802), (712, 21991), (721, 22018), (726, 22027), (736, 22048), (738, 22051), (747, 22072), (753, 22087), (761, 22111), (785, 22186), (788, 22201), (813, 22285), (859, 22390), (861, 22396), (876, 22450), (907, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 149

Candidate Starts for Mundrea_27:

(Start: 128 @19767 has 37 MA's), (Start: 149 @19791 has 636 MA's), (Start: 153 @19797 has 10 MA's), (Start: 195 @19851 has 1 MA's), (238, 19920), (273, 19998), (280, 20022), (285, 20037), (315, 20112), (319, 20127), (336, 20166), (378, 20259), (389, 20283), (428, 20370), (487, 20484), (510, 20523), (542, 20610), (560, 20655), (593, 20724), (601, 20748), (606, 20760), (653, 20847), (679, 20922), (684, 20940), (686, 20949), (692, 20973), (697, 20979), (700, 20994), (712, 21027), (730, 21072), (731, 21075), (744, 21096), (813, 21321), (859, 21426), (861, 21432), (889, 21534), (899, 21567),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 149

Candidate Starts for MunkgeeRoachy_18:

(Start: 139 @15777 has 9 MA's), (Start: 149 @15780 has 636 MA's), (274, 15990), (307, 16089), (315, 16113), (335, 16164), (373, 16251), (388, 16281), (395, 16296), (398, 16308), (441, 16386), (449, 16398), (463, 16425), (475, 16458), (487, 16491), (496, 16503), (514, 16545), (584, 16668), (611, 16740), (653, 16818), (657, 16833), (664, 16851), (684, 16908), (731, 17001), (748, 17037), (753, 17049), (755, 17055), (760, 17067), (769, 17076), (794, 17148), (795, 17151), (797, 17157), (801, 17169), (824, 17229), (842, 17274), (847, 17283), (861, 17316), (881, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 106

Candidate Starts for Murai_57:

(Start: 106 @33688 has 2 MA's), (Start: 113 @33697 has 28 MA's), (Start: 179 @33787 has 33 MA's), (253, 33904), (265, 33940), (275, 33961), (283, 33988), (286, 33994), (299, 34024), (308, 34048), (330, 34099), (394, 34237), (396, 34243), (412, 34294), (413, 34297), (427, 34315), (475, 34366), (482, 34387), (483, 34390), (511, 34438), (512, 34444), (526, 34492), (528, 34498), (531, 34504), (563, 34564), (574, 34588), (575, 34591), (593, 34636), (598, 34651), (601, 34660), (604, 34669), (618, 34714), (628, 34732), (647, 34765), (722, 34903), (730, 34924), (758, 34990), (768, 35020), (784, 35074), (794, 35116), (801, 35137), (807, 35158), (811, 35170), (821, 35191), (844, 35245), (879, 35323), (886, 35359), (892, 35380), (900, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 196

Candidate Starts for Murica_23:

(Start: 134 @19730 has 130 MA's), (Start: 196 @19814 has 48 MA's), (Start: 246 @19892 has 1 MA's), (280, 19979), (286, 19994), (305, 20042), (320, 20081), (361, 20168), (377, 20201), (394,

20237), (402, 20267), (405, 20273), (458, 20342), (477, 20372), (481, 20384), (482, 20387), (512, 20444), (575, 20576), (578, 20582), (602, 20648), (604, 20654), (612, 20678), (628, 20726), (642, 20750), (647, 20759), (672, 20834), (721, 20885), (726, 20900), (786, 21062), (792, 21089), (801, 21119), (843, 21224), (879, 21302), (886, 21338), (889, 21347), (899, 21380), (906, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 215

Candidate Starts for Murp_19:

(187, 16682), (Start: 215 @16718 has 57 MA's), (266, 16820), (296, 16898), (340, 16997), (357, 17036), (392, 17117), (410, 17171), (415, 17186), (447, 17219), (471, 17267), (472, 17270), (512, 17357), (521, 17387), (604, 17570), (612, 17594), (643, 17678), (659, 17738), (664, 17750), (713, 17810), (763, 17945), (792, 18044), (797, 18062), (813, 18113), (838, 18173), (842, 18179), (871, 18242), (876, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 196

Candidate Starts for Murphy_25:

(Start: 134 @19725 has 130 MA's), (Start: 196 @19809 has 48 MA's), (Start: 246 @19887 has 1 MA's), (280, 19974), (286, 19989), (305, 20037), (320, 20076), (361, 20163), (377, 20196), (394, 20232), (402, 20262), (405, 20268), (458, 20337), (477, 20367), (481, 20379), (482, 20382), (512, 20439), (575, 20571), (578, 20577), (602, 20643), (604, 20649), (612, 20673), (628, 20721), (642, 20745), (647, 20754), (672, 20829), (721, 20880), (726, 20895), (786, 21057), (792, 21084), (801, 21114), (843, 21219), (879, 21297), (886, 21333), (889, 21342), (899, 21375), (906, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 118

Candidate Starts for Murucutumbu_23:

(Start: 118 @17106 has 152 MA's), (143, 17136), (Start: 246 @17295 has 1 MA's), (262, 17328), (273, 17358), (283, 17391), (288, 17403), (317, 17493), (333, 17529), (335, 17535), (365, 17607), (369, 17616), (389, 17655), (405, 17700), (412, 17721), (413, 17724), (459, 17796), (475, 17838), (477, 17844), (487, 17871), (509, 17907), (574, 18009), (582, 18027), (603, 18087), (614, 18117), (628, 18144), (669, 18249), (715, 18339), (749, 18408), (762, 18444), (773, 18474), (795, 18558), (811, 18609), (862, 18708), (879, 18759), (900, 18843), (901, 18846), (910, 18864),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 151

Candidate Starts for Museum_29:

(Start: 151 @21173 has 225 MA's), (Start: 167 @21194 has 5 MA's), (Start: 195 @21236 has 1 MA's), (228, 21281), (315, 21497), (333, 21542), (336, 21551), (353, 21590), (377, 21641), (378, 21644), (416, 21737), (476, 21839), (510, 21908), (593, 22109), (594, 22112), (601, 22133), (652, 22229), (653, 22232), (655, 22238), (679, 22307), (684, 22325), (686, 22334), (697, 22364), (731, 22460), (747, 22493), (753, 22508), (795, 22649), (813, 22706), (861, 22817),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 129

Candidate Starts for Mutaforma13_16:

(Start: 129 @14853 has 222 MA's), (199, 14940), (Start: 233 @14985 has 2 MA's), (242, 15009), (283, 15114), (286, 15120), (292, 15138), (305, 15168), (350, 15273), (379, 15333), (389, 15354), (394, 15363), (399, 15381), (401, 15387), (453, 15462), (455, 15465), (475, 15513), (480, 15528), (482, 15534), (504, 15570), (506, 15573), (511, 15585), (512, 15591), (526, 15639), (531, 15651), (535, 15657), (574, 15717), (579, 15729), (593, 15765), (597, 15777), (624, 15852), (628, 15861), (638, 15879), (642, 15885), (652, 15915), (718, 16020), (721, 16029), (722, 16032), (738, 16068), (766, 16146), (794, 16245), (801, 16266), (811, 16299), (826, 16329), (835, 16359), (841, 16368), (844, 16374), (859, 16389), (860, 16392), (865, 16416), (876, 16446), (881, 16458), (886, 16488), (899, 16530),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 102

Candidate Starts for Mutzi_33:

(85, 26248), (94, 26278), (Start: 102 @26290 has 86 MA's), (Start: 126 @26326 has 1 MA's), (Start: 153 @26359 has 10 MA's), (274, 26569), (275, 26572), (284, 26602), (307, 26668), (315, 26692), (317, 26701), (332, 26734), (380, 26839), (399, 26887), (405, 26905), (416, 26926), (453, 26977), (460, 26989), (467, 27007), (471, 27019), (475, 27031), (480, 27046), (496, 27076), (499, 27079), (509, 27100), (554, 27172), (579, 27220), (597, 27268), (601, 27280), (620, 27331), (649, 27364), (663, 27406), (686, 27478), (715, 27544), (719, 27556), (782, 27676), (795, 27727), (796, 27730), (811, 27778), (824, 27805), (826, 27808), (833, 27832), (859, 27886), (890, 28003), (896, 28024), (907, 28051),

Gene: Mwanjiwa_16 Start: 14789, Stop: 16498, Start Num: 129

Candidate Starts for Mwanjiwa_16:

(Start: 129 @14789 has 222 MA's), (199, 14876), (242, 14945), (283, 15050), (286, 15056), (292, 15074), (305, 15104), (350, 15209), (379, 15269), (394, 15299), (401, 15323), (415, 15365), (453, 15398), (460, 15410), (475, 15449), (480, 15464), (482, 15470), (493, 15491), (504, 15506), (506, 15509), (511, 15521), (512, 15527), (526, 15575), (531, 15587), (535, 15593), (574, 15653), (579, 15665), (593, 15701), (597, 15713), (604, 15734), (624, 15788), (628, 15797), (638, 15815), (642, 15821), (652, 15851), (718, 15956), (721, 15965), (722, 15968), (738, 16004), (753, 16040), (754, 16043), (766, 16082), (801, 16202), (811, 16235), (826, 16265), (835, 16295), (841, 16304), (844, 16310), (859, 16325), (860, 16328), (864, 16349), (865, 16352), (881, 16394), (886, 16424), (899, 16466),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Mynx_23:

(Start: 118 @17171 has 152 MA's), (143, 17201), (Start: 246 @17360 has 1 MA's), (262, 17393), (273, 17423), (283, 17456), (288, 17468), (317, 17558), (335, 17600), (365, 17672), (369, 17681), (389, 17720), (405, 17765), (412, 17786), (413, 17789), (445, 17843), (459, 17861), (475, 17903), (477, 17909), (487, 17936), (524, 18023), (574, 18074), (582, 18092), (597, 18134), (603, 18152), (614, 18182), (628, 18209), (669, 18314), (749, 18473), (762, 18509), (773, 18539), (776, 18548), (795, 18623), (811, 18674), (889, 18869), (900, 18908), (901, 18911), (910, 18929),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 151

Candidate Starts for MyraDee_25:

(Start: 128 @18028 has 37 MA's), (Start: 151 @18055 has 225 MA's), (207, 18136), (Start: 233 @18172 has 2 MA's), (Start: 246 @18205 has 1 MA's), (284, 18301), (285, 18304), (302, 18340), (315, 18379), (319, 18394), (377, 18523), (389, 18550), (401, 18583), (428, 18637), (487, 18751), (499, 18766), (529, 18853), (530, 18856), (560, 18919), (593, 18988), (609, 19030), (653, 19111), (679, 19186), (684, 19204), (692, 19237), (697, 19243), (700, 19258), (706, 19282), (731, 19339), (736, 19348), (747, 19372), (753, 19387), (795, 19528), (859, 19690), (861, 19696), (862, 19705), (901, 19840),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 134

Candidate Starts for Myrale_24:

(Start: 134 @19616 has 130 MA's), (Start: 196 @19700 has 48 MA's), (Start: 246 @19778 has 1 MA's), (280, 19865), (286, 19880), (305, 19928), (320, 19967), (361, 20054), (377, 20087), (394, 20123), (402, 20153), (405, 20159), (458, 20228), (477, 20258), (481, 20270), (482, 20273), (512, 20330), (575, 20462), (578, 20468), (602, 20534), (604, 20540), (612, 20564), (628, 20612), (642, 20636), (647, 20645), (672, 20720), (721, 20771), (726, 20786), (786, 20948), (792, 20975), (801, 21005), (843, 21110), (879, 21188), (886, 21224), (889, 21233), (899, 21266), (906, 21281),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 146

Candidate Starts for Myxus_30:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319),

(472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (706, 22967), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 151

Candidate Starts for NEHalo_27:

(Start: 151 @20911 has 225 MA's), (Start: 167 @20932 has 5 MA's), (Start: 195 @20974 has 1 MA's), (228, 21019), (315, 21235), (333, 21280), (336, 21289), (377, 21379), (378, 21382), (416, 21475), (476, 21577), (510, 21646), (593, 21847), (594, 21850), (601, 21871), (652, 21967), (653, 21970), (655, 21976), (679, 22045), (684, 22063), (686, 22072), (697, 22102), (731, 22198), (747, 22231), (753, 22246), (795, 22387), (813, 22444), (861, 22555),

Gene: NaLuna_19 Start: 16647, Stop: 18377, Start Num: 146

Candidate Starts for NaLuna_19:

(78, 16527), (119, 16611), (Start: 146 @16647 has 12 MA's), (Start: 233 @16767 has 2 MA's), (267, 16851), (280, 16884), (290, 16917), (319, 17001), (405, 17202), (427, 17244), (453, 17280), (467, 17310), (475, 17334), (494, 17376), (509, 17403), (510, 17406), (547, 17460), (550, 17466), (589, 17553), (738, 17913), (748, 17937), (755, 17955), (795, 18051), (801, 18069), (863, 18228), (887, 18315), (895, 18342),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 149

Candidate Starts for NaSiaTalie_28:

(Start: 128 @20187 has 37 MA's), (Start: 149 @20211 has 636 MA's), (245, 20346), (255, 20364), (284, 20445), (285, 20448), (314, 20520), (315, 20523), (336, 20577), (339, 20583), (366, 20646), (389, 20694), (401, 20727), (428, 20781), (472, 20862), (476, 20865), (487, 20895), (553, 21051), (594, 21138), (653, 21258), (691, 21381), (692, 21384), (697, 21390), (718, 21438), (747, 21501), (753, 21516), (755, 21522), (774, 21576), (785, 21615), (788, 21630), (797, 21663), (811, 21708), (859, 21819), (861, 21825), (876, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 149

Candidate Starts for Naca_24:

(Start: 149 @19512 has 636 MA's), (285, 19749), (315, 19824), (319, 19839), (335, 19875), (366, 19947), (373, 19962), (389, 19995), (393, 20001), (487, 20196), (506, 20226), (509, 20232), (542, 20322), (560, 20367), (593, 20436), (609, 20478), (615, 20496), (652, 20556), (653, 20559), (684, 20652), (730, 20793), (747, 20829), (858, 21144), (861, 21153), (899, 21288),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 168

Candidate Starts for Nadeem_22:

(103, 17269), (Start: 168 @17344 has 17 MA's), (Start: 233 @17437 has 2 MA's), (238, 17452), (241, 17458), (273, 17533), (295, 17605), (334, 17716), (354, 17761), (361, 17779), (365, 17791), (455, 17962), (460, 17971), (463, 17977), (475, 18010), (506, 18073), (523, 18124), (557, 18148), (573, 18172), (601, 18247), (614, 18286), (667, 18418), (721, 18532), (761, 18619), (794, 18733), (797, 18742), (835, 18847), (877, 18934), (910, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 170

Candidate Starts for NadineRae_41:

(Start: 170 @27143 has 41 MA's), (Start: 178 @27155 has 57 MA's), (Start: 200 @27179 has 1 MA's), (Start: 246 @27257 has 1 MA's), (315, 27440), (338, 27497), (343, 27509), (347, 27524), (381, 27590), (388, 27605), (399, 27629), (435, 27716), (438, 27722), (454, 27746), (501, 27806), (513, 27836), (519, 27857), (576, 27962), (587, 27983), (626, 28070), (652, 28118), (717, 28244), (731, 28280), (794, 28445), (800, 28463), (811, 28499), (884, 28673), (886, 28685), (905, 28742),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Naiad_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 151

Candidate Starts for Naira_28:

(Start: 151 @22770 has 225 MA's), (Start: 167 @22791 has 5 MA's), (Start: 195 @22833 has 1 MA's), (228, 22878), (315, 23094), (333, 23139), (336, 23148), (353, 23187), (377, 23238), (378, 23241), (476, 23436), (510, 23505), (527, 23565), (593, 23706), (594, 23709), (601, 23730), (652, 23826), (653, 23829), (655, 23835), (679, 23904), (684, 23922), (686, 23931), (697, 23961), (731, 24057), (747, 24090), (753, 24105), (795, 24246), (813, 24303), (861, 24414),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for Naji_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (709, 21273), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 196

Candidate Starts for Nala_24:

(Start: 134 @19772 has 130 MA's), (Start: 196 @19856 has 48 MA's), (Start: 246 @19934 has 1 MA's), (280, 20021), (286, 20036), (305, 20084), (320, 20123), (361, 20210), (377, 20243), (394, 20279), (402, 20309), (405, 20315), (458, 20384), (477, 20414), (481, 20426), (482, 20429), (512, 20486), (575, 20618), (578, 20624), (602, 20690), (604, 20696), (612, 20720), (628, 20768), (642, 20792), (647, 20801), (672, 20876), (721, 20927), (726, 20942), (786, 21104), (792, 21131), (801, 21161), (843, 21266), (879, 21344), (886, 21380), (889, 21389), (899, 21422), (906, 21437),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Nancinator_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 168

Candidate Starts for NancyRae_22:

(103, 17275), (Start: 168 @17350 has 17 MA's), (Start: 233 @17443 has 2 MA's), (238, 17458), (241, 17464), (273, 17539), (295, 17611), (334, 17722), (354, 17767), (361, 17785), (365, 17797), (455, 17968), (460, 17977), (463, 17983), (475, 18016), (506, 18079), (523, 18130), (557, 18154), (573, 18178), (601, 18253), (610, 18277), (614, 18292), (667, 18424), (721, 18538), (761, 18625), (794, 18739), (797, 18748), (835, 18853), (877, 18940), (910, 19048),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 170

Candidate Starts for NatB6_41:

(Start: 170 @29876 has 41 MA's), (Start: 200 @29912 has 1 MA's), (212, 29930), (Start: 246 @29990 has 1 MA's), (338, 30230), (343, 30242), (347, 30257), (381, 30323), (388, 30338), (399, 30362), (400, 30365), (435, 30449), (454, 30479), (456, 30482), (501, 30539), (518, 30587), (519, 30590), (525, 30611), (587, 30716), (602, 30761), (626, 30803), (717, 30977), (727, 31007), (731, 31013), (779, 31121), (780, 31124), (801, 31199), (886, 31418), (905, 31475),

Gene: Natkenzie_35 Start: 30754, Stop: 32376, Start Num: 214

Candidate Starts for Natkenzie_35:

(Start: 214 @30754 has 22 MA's), (232, 30775), (237, 30787), (261, 30838), (281, 30901), (310, 30973), (346, 31060), (370, 31111), (385, 31141), (414, 31222), (428, 31249), (483, 31348), (502, 31378), (508, 31387), (517, 31420), (518, 31423), (519, 31426), (522, 31435), (545, 31483), (574, 31531), (578, 31540), (614, 31639), (633, 31678), (640, 31690), (679, 31807), (722, 31846), (740, 31885), (761, 31942), (775, 31981), (777, 31990), (790, 32047), (793, 32059), (811, 32116), (813, 32122), (824, 32143), (835, 32176), (862, 32221), (899, 32350), (901, 32359),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Natosaleda_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 122

Candidate Starts for Nazo_18:

(Start: 122 @16129 has 48 MA's), (185, 16213), (257, 16327), (260, 16333), (265, 16354), (274, 16372), (284, 16405), (294, 16429), (361, 16588), (363, 16594), (409, 16708), (458, 16765), (473, 16804), (475, 16810), (483, 16834), (512, 16888), (516, 16900), (518, 16909), (545, 16969), (569, 17014), (583, 17047), (597, 17086), (609, 17119), (612, 17131), (628, 17185), (650, 17233), (660, 17263), (667, 17275), (733, 17377), (741, 17389), (744, 17392), (746, 17398), (748, 17407), (784, 17515), (807, 17599), (852, 17698), (876, 17755), (906, 17854),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 149

Candidate Starts for NearlyHeadless_24:

(Start: 128 @18646 has 37 MA's), (Start: 149 @18670 has 636 MA's), (226, 18763), (Start: 246 @18808 has 1 MA's), (285, 18907), (302, 18943), (315, 18982), (319, 18997), (335, 19033), (389, 19153), (393, 19159), (455, 19279), (514, 19408), (542, 19480), (593, 19594), (684, 19810), (692, 19843), (731, 19945), (747, 19978), (753, 19993), (763, 20023), (858, 20293), (861, 20302), (862, 20311), (895, 20425),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 105

Candidate Starts for Nebkiss_17:

(Start: 105 @15060 has 2 MA's), (112, 15069), (125, 15090), (180, 15159), (193, 15177), (205, 15195), (238, 15249), (254, 15285), (262, 15300), (263, 15303), (283, 15363), (315, 15456), (333, 15501), (335, 15507), (338, 15513), (345, 15534), (351, 15546), (373, 15594), (393, 15633), (394, 15636), (395, 15639), (406, 15675), (412, 15693), (422, 15720), (426, 15729), (459, 15768), (467, 15786), (483, 15834), (507, 15876), (524, 15930), (525, 15936), (527, 15942), (544, 15972), (559, 16011), (562, 16020), (573, 16044), (575, 16050), (609, 16140), (613, 16155), (644, 16221), (653, 16251), (669, 16299), (678, 16323), (679, 16326), (686, 16353), (723, 16413), (731, 16434), (740, 16455), (758, 16503), (762, 16515), (777, 16560), (792, 16620), (826, 16716), (828, 16722), (835, 16746), (842, 16758), (847, 16767), (862, 16785), (879, 16836), (890, 16884), (892, 16893), (895, 16902), (897, 16911), (899, 16914), (910, 16941),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Nebs_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 149

Candidate Starts for Nebulosus_30:

(98, 19027), (Start: 128 @19069 has 37 MA's), (Start: 149 @19093 has 636 MA's), (Start: 246 @19231 has 1 MA's), (272, 19288), (285, 19330), (302, 19366), (315, 19405), (343, 19474), (353, 19498), (378, 19552), (455, 19702), (476, 19747), (487, 19777), (509, 19813), (524, 19864), (540, 19900), (560, 19948), (590, 20008), (652, 20137), (679, 20215), (753, 20416), (755, 20422), (786, 20518), (845, 20683), (879, 20782),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Necropolis_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 149

Candidate Starts for Nedarya_29:

(98, 19673), (Start: 128 @19715 has 37 MA's), (Start: 138 @19727 has 1 MA's), (Start: 149 @19739 has 636 MA's), (207, 19808), (272, 19934), (285, 19976), (302, 20012), (315, 20051), (319, 20066), (343, 20120), (353, 20144), (362, 20165), (397, 20240), (476, 20393), (487, 20423), (499, 20438), (509, 20459), (560, 20564), (590, 20624), (652, 20753), (749, 21023), (775, 21095), (813, 21227), (842, 21293), (845, 21299), (849, 21305), (859, 21332), (889, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for Neeharika16_31:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 128

Candidate Starts for Nekros_34:

(Start: 128 @27091 has 37 MA's), (Start: 196 @27181 has 48 MA's), (199, 27184), (257, 27286), (280, 27352), (294, 27388), (307, 27418), (312, 27433), (345, 27514), (346, 27517), (363, 27553), (377, 27580), (395, 27619), (405, 27652), (408, 27661), (455, 27718), (472, 27760), (509, 27835), (512, 27847), (531, 27907), (535, 27913), (561, 27961), (575, 27991), (583, 28009), (588, 28018), (598, 28051), (602, 28063), (604, 28069), (616, 28108), (642, 28165), (726, 28315), (733, 28333), (753, 28375), (761, 28399), (762, 28402), (766, 28417), (777, 28447), (786, 28477), (801, 28534), (866, 28681), (867, 28684), (906, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 196

Candidate Starts for NelitzaMV_24:

(Start: 134 @19815 has 130 MA's), (Start: 196 @19899 has 48 MA's), (Start: 246 @19977 has 1 MA's), (280, 20064), (286, 20079), (305, 20127), (320, 20166), (361, 20253), (377, 20286), (394, 20322), (402, 20352), (405, 20358), (458, 20427), (477, 20457), (481, 20469), (482, 20472), (512, 20529), (575, 20661), (578, 20667), (602, 20733), (604, 20739), (612, 20763), (628, 20811), (642, 20835), (647, 20844), (672, 20919), (721, 20970), (726, 20985), (786, 21147), (792, 21174), (801, 21204), (843, 21309), (879, 21387), (886, 21423), (889, 21432), (899, 21465), (906, 21480),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 149

Candidate Starts for Nemo27_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19883 has 1 MA's), (Start: 233 @19937 has 2 MA's), (238, 19952), (Start: 246 @19970 has 1 MA's), (280, 20054), (284, 20066), (285, 20069), (315, 20144), (319, 20159), (336, 20198), (389, 20315), (428, 20402), (472, 20483), (499, 20531), (510, 20555), (542, 20642), (560, 20687), (594, 20759), (601, 20780), (609, 20798), (653, 20879), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (702, 21035), (731, 21089), (744, 21110), (761, 21161), (770, 21185), (786, 21239), (813, 21335), (859, 21440), (862, 21455), (893, 21563), (899, 21581),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Nenae_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Neobush_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Neoh_18 Start: 16632, Stop: 18395, Start Num: 111

Candidate Starts for Neoh_18:

(Start: 111 @16632 has 26 MA's), (Start: 137 @16641 has 56 MA's), (143, 16647), (147, 16653), (238, 16785), (262, 16836), (273, 16866), (280, 16890), (315, 16992), (331, 17031), (333, 17037), (339, 17052), (358, 17097), (408, 17217), (429, 17274), (459, 17313), (477, 17361), (487, 17388), (496, 17400), (532, 17481), (574, 17526), (653, 17724), (662, 17754), (669, 17772), (679, 17799), (722, 17883), (735, 17901), (745, 17916), (761, 17964), (765, 17979), (786, 18042), (801, 18099), (813, 18138), (831, 18180), (862, 18231), (889, 18327), (910, 18387),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 93

Candidate Starts for Nergal_22:

(Start: 93 @17111 has 2 MA's), (98, 17126), (127, 17168), (130, 17171), (205, 17258), (231, 17291), (294, 17453), (330, 17552), (360, 17624), (373, 17654), (393, 17693), (405, 17732), (413, 17756), (491, 17903), (511, 17939), (533, 17993), (573, 18041), (597, 18104), (679, 18314), (688, 18350),

(765, 18491), (776, 18518), (797, 18599), (824, 18671), (836, 18707), (847, 18725), (887, 18833), (896, 18863), (900, 18878),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 151

Candidate Starts for Nerujay_28:

(Start: 151 @21579 has 225 MA's), (Start: 167 @21600 has 5 MA's), (Start: 195 @21642 has 1 MA's), (228, 21687), (315, 21903), (333, 21948), (336, 21957), (353, 21996), (377, 22047), (378, 22050), (476, 22245), (510, 22314), (593, 22515), (594, 22518), (601, 22539), (652, 22635), (653, 22638), (655, 22644), (679, 22713), (684, 22731), (686, 22740), (697, 22770), (731, 22866), (747, 22899), (753, 22914), (795, 23055), (813, 23112), (861, 23223),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 179

Candidate Starts for Nettuno_17:

(Start: 179 @14697 has 33 MA's), (248, 14814), (271, 14886), (295, 14964), (347, 15087), (360, 15108), (388, 15177), (389, 15180), (409, 15237), (444, 15312), (471, 15366), (509, 15447), (526, 15507), (528, 15513), (626, 15672), (637, 15690), (645, 15705), (654, 15729), (679, 15801), (681, 15804), (685, 15825), (792, 16059), (796, 16074), (809, 16116), (847, 16209), (849, 16212), (864, 16260), (873, 16290), (889, 16347),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for Newrala_31:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 151

Candidate Starts for Nhonho_27:

(Start: 151 @21330 has 225 MA's), (Start: 167 @21351 has 5 MA's), (Start: 195 @21393 has 1 MA's), (228, 21438), (315, 21654), (333, 21699), (336, 21708), (353, 21747), (377, 21798), (378, 21801), (416, 21894), (476, 21996), (510, 22065), (593, 22266), (594, 22269), (601, 22290), (652, 22386), (653, 22389), (655, 22395), (679, 22464), (684, 22482), (686, 22491), (697, 22521), (731, 22617), (747, 22650), (753, 22665), (795, 22806), (813, 22863), (861, 22974), (907, 23127),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 118

Candidate Starts for Nibb_22:

(Start: 95 @16392 has 1 MA's), (Start: 111 @16422 has 26 MA's), (Start: 118 @16431 has 152 MA's), (143, 16461), (Start: 233 @16587 has 2 MA's), (238, 16602), (262, 16653), (283, 16716), (317, 16818), (319, 16824), (333, 16854), (365, 16932), (369, 16941), (389, 16980), (406, 17028), (412, 17046), (427, 17085), (428, 17088), (445, 17103), (459, 17121), (467, 17139), (475, 17163), (477, 17169), (487, 17196), (514, 17250), (574, 17334), (582, 17352), (649, 17514), (653, 17526), (669, 17574), (691, 17649), (723, 17688), (749, 17733), (761, 17766), (763, 17772), (773, 17799), (795, 17883), (811, 17934), (813, 17940), (862, 18033), (864, 18042), (889, 18129), (910, 18189),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 149

Candidate Starts for Nibbles_20:

(48, 16386), (Start: 149 @16710 has 636 MA's), (299, 16995), (301, 16998), (315, 17043), (319, 17058), (353, 17136), (373, 17181), (416, 17283), (441, 17316), (449, 17328), (451, 17331), (475, 17388), (487, 17421), (499, 17436), (522, 17502), (555, 17544), (560, 17553), (584, 17598), (606, 17661), (652, 17742), (657, 17760), (660, 17769), (664, 17778), (684, 17835), (686, 17844), (753, 17976), (769, 18003), (781, 18024), (794, 18075), (795, 18078), (830, 18174), (842, 18201), (847, 18210), (849, 18213), (861, 18243), (864, 18261), (880, 18306), (906, 18396),

Gene: Nibley_29 Start: 23862, Stop: 25505, Start Num: 196

Candidate Starts for Nibley_29:

(Start: 128 @23772 has 37 MA's), (Start: 196 @23862 has 48 MA's), (199, 23865), (242, 23940), (257, 23967), (294, 24069), (307, 24099), (312, 24114), (346, 24198), (363, 24234), (377, 24261), (395, 24300), (405, 24333), (408, 24342), (455, 24399), (472, 24441), (509, 24516), (512, 24528), (531, 24588), (561, 24642), (575, 24672), (583, 24690), (588, 24699), (598, 24732), (602, 24744), (604, 24750), (616, 24789), (642, 24846), (726, 24996), (733, 25014), (753, 25056), (761, 25080), (762, 25083), (766, 25098), (777, 25128), (786, 25158), (801, 25215), (867, 25365), (901, 25485), (906, 25491),

Gene: Nichirin_16 Start: 15006, Stop: 16715, Start Num: 129

Candidate Starts for Nichirin_16:

(Start: 129 @15006 has 222 MA's), (199, 15093), (Start: 215 @15114 has 57 MA's), (Start: 233 @15138 has 2 MA's), (242, 15162), (253, 15183), (283, 15267), (286, 15273), (292, 15291), (305, 15321), (350, 15426), (376, 15480), (379, 15486), (388, 15504), (389, 15507), (394, 15516), (401, 15540), (453, 15615), (460, 15627), (467, 15642), (469, 15648), (475, 15666), (480, 15681), (482, 15687), (498, 15714), (504, 15723), (511, 15738), (512, 15744), (526, 15792), (531, 15804), (535, 15810), (574, 15870), (579, 15882), (593, 15918), (597, 15930), (604, 15951), (624, 16005), (628, 16014), (638, 16032), (642, 16038), (652, 16068), (718, 16173), (721, 16182), (722, 16185), (738, 16221), (754, 16260), (766, 16299), (801, 16419), (811, 16452), (826, 16482), (835, 16512), (841, 16521), (844, 16527), (859, 16542), (860, 16545), (864, 16566), (865, 16569), (879, 16605), (881, 16611), (886, 16641), (899, 16683),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 149

Candidate Starts for NicoleTera_32:

(Start: 128 @21988 has 37 MA's), (Start: 149 @22012 has 636 MA's), (265, 22195), (284, 22246), (285, 22249), (314, 22321), (315, 22324), (336, 22378), (339, 22384), (353, 22417), (389, 22495), (428, 22582), (472, 22663), (476, 22666), (594, 22939), (609, 22978), (652, 23056), (653, 23059), (697, 23191), (718, 23239), (731, 23269), (747, 23302), (753, 23317), (758, 23332), (764, 23353), (774, 23377), (785, 23416), (788, 23431), (797, 23464), (813, 23515), (859, 23620), (861, 23626), (876, 23680),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 113

Candidate Starts for NiebruSaylor_55:

(Start: 106 @32895 has 2 MA's), (Start: 113 @32904 has 28 MA's), (Start: 179 @32994 has 33 MA's), (253, 33111), (265, 33147), (275, 33168), (283, 33195), (286, 33201), (299, 33231), (308, 33255), (330, 33306), (394, 33444), (396, 33450), (412, 33501), (413, 33504), (427, 33522), (475, 33573), (482, 33594), (483, 33597), (511, 33645), (512, 33651), (526, 33699), (528, 33705), (531, 33711), (563, 33771), (574, 33795), (575, 33798), (593, 33843), (598, 33858), (601, 33867), (604, 33876), (618, 33921), (628, 33939), (647, 33972), (722, 34110), (730, 34131), (758, 34197), (768, 34227), (784, 34281), (794, 34323), (801, 34344), (807, 34365), (811, 34377), (821, 34398), (844, 34452), (879, 34530), (886, 34566), (892, 34587), (900, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Nikao_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 118

Candidate Starts for Niklas_23:

(Start: 111 @16508 has 26 MA's), (Start: 118 @16517 has 152 MA's), (Start: 121 @16523 has 18 MA's), (143, 16547), (Start: 171 @16586 has 8 MA's), (Start: 233 @16673 has 2 MA's), (238, 16688), (Start: 246 @16706 has 1 MA's), (262, 16739), (317, 16904), (333, 16940), (365, 17018), (369, 17027), (412, 17132), (413, 17135), (428, 17174), (455, 17201), (459, 17207), (475, 17249), (477, 17255), (487, 17282), (574, 17420), (582, 17438), (614, 17528), (628, 17555), (647, 17588), (669, 17660), (686, 17714), (715, 17750), (723, 17774), (749, 17819), (761, 17852), (765, 17867), (773, 17885), (776, 17894), (795, 17969), (811, 18020), (813, 18026), (864, 18128), (900, 18254), (901, 18257), (910, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 129

Candidate Starts for Nimbo_16:

(Start: 129 @14808 has 222 MA's), (199, 14895), (Start: 233 @14940 has 2 MA's), (242, 14964), (283, 15069), (286, 15075), (292, 15093), (305, 15123), (350, 15228), (379, 15288), (389, 15309), (394, 15318), (401, 15342), (475, 15468), (480, 15483), (482, 15489), (504, 15525), (506, 15528), (511, 15540), (512, 15546), (526, 15594), (531, 15606), (535, 15612), (574, 15672), (579, 15684), (593, 15720), (597, 15732), (624, 15807), (628, 15816), (638, 15834), (642, 15840), (652, 15870), (718, 15975), (721, 15984), (722, 15987), (738, 16023), (766, 16101), (794, 16200), (801, 16221), (811, 16254), (826, 16284), (835, 16314), (841, 16323), (844, 16329), (859, 16344), (860, 16347), (864, 16368), (865, 16371), (881, 16413), (886, 16443), (899, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 134

Candidate Starts for Nimrod_24:

(Start: 134 @19991 has 130 MA's), (Start: 196 @20075 has 48 MA's), (Start: 246 @20153 has 1 MA's), (280, 20240), (286, 20255), (305, 20303), (320, 20342), (361, 20429), (377, 20462), (394, 20498), (402, 20528), (405, 20534), (458, 20603), (477, 20633), (481, 20645), (482, 20648), (512, 20705), (575, 20837), (578, 20843), (602, 20909), (604, 20915), (612, 20939), (628, 20987), (642, 21011), (647, 21020), (672, 21095), (721, 21146), (726, 21161), (786, 21323), (792, 21350), (801, 21380), (843, 21485), (879, 21563), (886, 21599), (889, 21608), (899, 21641), (906, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 149

Candidate Starts for Nina_19:

(Start: 139 @16771 has 9 MA's), (Start: 149 @16774 has 636 MA's), (274, 16984), (315, 17107), (335, 17158), (373, 17245), (378, 17254), (388, 17275), (395, 17290), (398, 17302), (441, 17380), (449, 17392), (463, 17419), (475, 17452), (487, 17485), (496, 17497), (514, 17539), (584, 17662), (611, 17734), (653, 17812), (657, 17827), (664, 17845), (684, 17902), (731, 17995), (748, 18031), (753, 18043), (755, 18049), (760, 18061), (769, 18070), (794, 18142), (795, 18145), (797, 18151), (801, 18163), (824, 18223), (842, 18268), (847, 18277), (861, 18310), (881, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 131

Candidate Starts for Nitzel_17:

(Start: 131 @15550 has 1 MA's), (Start: 233 @15682 has 2 MA's), (242, 15706), (248, 15715), (275, 15784), (286, 15817), (292, 15835), (297, 15844), (350, 15970), (379, 16030), (389, 16051), (394, 16060), (401, 16084), (415, 16126), (453, 16159), (455, 16162), (460, 16171), (467, 16186), (469, 16192), (475, 16210), (480, 16225), (482, 16231), (504, 16267), (506, 16270), (511, 16282), (512, 16288), (515, 16297), (526, 16336), (531, 16348), (593, 16462), (597, 16474), (610, 16507), (624, 16549), (628, 16558), (638, 16576), (642, 16582), (718, 16717), (722, 16729), (738, 16765), (766, 16843), (826, 17026), (834, 17053), (835, 17056), (841, 17065), (844, 17071), (859, 17086), (864, 17110), (865, 17113), (868, 17122), (881, 17155), (899, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Nivrat_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (376, 15286), (379, 15292), (383, 15301), (394, 15322), (401, 15346), (413, 15382), (415, 15388), (453, 15421), (455, 15424), (460, 15433), (467, 15448), (469, 15454), (475, 15472), (480, 15487), (482, 15493), (490, 15511), (493, 15514), (504, 15529), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (722, 15991), (738, 16027), (766, 16105), (801, 16225), (811, 16258), (826, 16288), (829, 16300), (835, 16318), (839, 16324), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (864, 16372), (865, 16375), (881, 16417), (886, 16447), (899, 16489), (900, 16495),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 151

Candidate Starts for Niza_29:

(Start: 151 @22150 has 225 MA's), (Start: 167 @22171 has 5 MA's), (Start: 195 @22213 has 1 MA's), (228, 22258), (315, 22474), (333, 22519), (336, 22528), (353, 22567), (377, 22618), (378, 22621), (476, 22816), (510, 22885), (527, 22945), (593, 23086), (594, 23089), (601, 23110), (652, 23206), (653, 23209), (655, 23215), (679, 23284), (684, 23302), (686, 23311), (697, 23341), (731, 23437), (747, 23470), (753, 23485), (795, 23626), (813, 23683), (861, 23794),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 92

Candidate Starts for NoShow_18:

(Start: 92 @15497 has 4 MA's), (180, 15614), (Start: 233 @15689 has 2 MA's), (238, 15704), (263, 15758), (279, 15806), (341, 15977), (377, 16055), (378, 16058), (389, 16082), (399, 16109), (423, 16178), (424, 16181), (434, 16229), (455, 16259), (459, 16265), (467, 16283), (468, 16286), (477, 16313), (482, 16328), (509, 16376), (512, 16388), (573, 16475), (579, 16490), (609, 16571), (635, 16628), (647, 16649), (652, 16670), (724, 16838), (775, 16940), (777, 16949), (785, 16976), (792, 17006), (811, 17069), (813, 17075), (862, 17168), (897, 17294), (900, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 134

Candidate Starts for NoSleep_25:

(Start: 134 @19485 has 130 MA's), (Start: 196 @19569 has 48 MA's), (Start: 246 @19647 has 1 MA's), (280, 19734), (286, 19749), (305, 19797), (320, 19836), (361, 19923), (377, 19956), (394, 19992), (402, 20022), (405, 20028), (458, 20097), (477, 20127), (481, 20139), (482, 20142), (512, 20199), (575, 20331), (578, 20337), (602, 20403), (604, 20409), (612, 20433), (628, 20481), (642, 20505), (647, 20514), (672, 20589), (721, 20640), (726, 20655), (786, 20817), (792, 20844), (801, 20874), (843, 20979), (879, 21057), (886, 21093), (889, 21102), (899, 21135), (906, 21150),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 139

Candidate Starts for Nodigi_20:

(30, 15278), (42, 15389), (119, 15725), (Start: 139 @15752 has 9 MA's), (Start: 149 @15755 has 636 MA's), (Start: 215 @15839 has 57 MA's), (Start: 246 @15896 has 1 MA's), (284, 15995), (302, 16046), (373, 16223), (388, 16253), (398, 16280), (405, 16301), (408, 16310), (416, 16325), (441, 16355), (449, 16367), (453, 16373), (455, 16376), (461, 16391), (487, 16460), (522, 16541), (555, 16583), (560, 16592), (571, 16610), (591, 16655), (627, 16739), (651, 16775), (652, 16778), (653, 16781), (657, 16796), (664, 16814), (684, 16871), (692, 16904), (748, 17000), (753, 17012), (755, 17018), (758, 17027), (769, 17039), (794, 17111), (795, 17114), (796, 17117), (801, 17132), (847, 17249), (861, 17282), (862, 17291), (899, 17420), (906, 17435),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 149

Candidate Starts for Noella_28:

(Start: 149 @20456 has 636 MA's), (Start: 195 @20516 has 1 MA's), (238, 20585), (280, 20687), (284, 20699), (285, 20702), (315, 20777), (319, 20792), (336, 20831), (397, 20966), (428, 21035), (487,

21149), (542, 21275), (593, 21389), (601, 21413), (606, 21425), (609, 21431), (653, 21512), (679, 21587), (684, 21605), (686, 21614), (692, 21638), (697, 21644), (700, 21659), (712, 21692), (730, 21737), (731, 21740), (744, 21761), (786, 21890), (813, 21986), (859, 22091), (861, 22097), (899, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 153

Candidate Starts for Noelle_27:

(Start: 128 @19858 has 37 MA's), (Start: 149 @19882 has 636 MA's), (Start: 153 @19888 has 10 MA's), (Start: 195 @19942 has 1 MA's), (238, 20011), (245, 20026), (273, 20089), (280, 20113), (284, 20125), (285, 20128), (315, 20203), (319, 20218), (378, 20350), (389, 20374), (428, 20461), (487, 20575), (510, 20614), (542, 20701), (560, 20746), (593, 20815), (601, 20839), (609, 20857), (653, 20938), (679, 21013), (684, 21031), (692, 21064), (697, 21070), (700, 21085), (706, 21109), (730, 21163), (731, 21166), (744, 21187), (813, 21412), (859, 21517), (861, 21523), (899, 21658),

Gene: NonchalantPear_24 Start: 19441, Stop: 21120, Start Num: 134

Candidate Starts for NonchalantPear_24:

(Start: 134 @19441 has 130 MA's), (Start: 196 @19525 has 48 MA's), (Start: 246 @19603 has 1 MA's), (280, 19690), (286, 19705), (305, 19753), (320, 19792), (361, 19879), (377, 19912), (394, 19948), (402, 19978), (405, 19984), (458, 20053), (477, 20083), (481, 20095), (482, 20098), (512, 20155), (575, 20287), (578, 20293), (602, 20359), (604, 20365), (612, 20389), (628, 20437), (642, 20461), (647, 20470), (672, 20545), (721, 20596), (726, 20611), (786, 20773), (792, 20800), (801, 20830), (843, 20935), (879, 21013), (886, 21049), (889, 21058), (899, 21091), (906, 21106),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Norbert_27:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 102

Candidate Starts for Nordenberg_29:

(94, 29925), (Start: 102 @29943 has 86 MA's), (Start: 126 @29979 has 1 MA's), (231, 30117), (272, 30213), (275, 30222), (297, 30291), (315, 30342), (333, 30387), (339, 30402), (377, 30483), (397, 30528), (399, 30537), (453, 30627), (467, 30657), (472, 30672), (480, 30696), (496, 30726), (558, 30831), (609, 30948), (616, 30966), (620, 30981), (648, 31011), (652, 31023), (653, 31026), (660, 31053), (795, 31377), (796, 31380), (811, 31428), (824, 31455), (833, 31482), (859, 31536), (864, 31560), (865, 31563), (890, 31653), (907, 31701),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for NormanBulbieJr_16:

(Start: 129 @14800 has 222 MA's), (199, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (283, 15061), (286, 15067), (292, 15085), (305, 15115), (350, 15220), (379, 15280), (389, 15301), (394, 15310), (401, 15334), (475, 15460), (480, 15475), (482, 15481), (504, 15517), (506, 15520), (511, 15532), (512, 15538), (526, 15586), (531, 15598), (535, 15604), (574, 15664), (579, 15676), (593, 15712), (597, 15724), (624, 15799), (628, 15808), (638, 15826), (642, 15832), (652, 15862), (718, 15967), (722, 15979), (738, 16015), (766, 16093), (794, 16192), (801, 16213), (811, 16246), (826, 16276), (829, 16288), (835, 16306), (839, 16312), (841, 16315), (844, 16321), (859, 16336), (860, 16339), (864, 16360), (865, 16363), (881, 16405), (886, 16435), (899, 16477), (900, 16483),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for NorthStar_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 150

Candidate Starts for Norvs_49:

(Start: 150 @29614 has 17 MA's), (192, 29674), (Start: 214 @29707 has 22 MA's), (Start: 233 @29737 has 2 MA's), (234, 29740), (294, 29899), (299, 29908), (353, 30037), (375, 30085), (512, 30298), (514, 30304), (521, 30328), (587, 30457), (593, 30478), (604, 30511), (672, 30709), (763, 30862), (792, 30961), (795, 30973), (798, 30982), (829, 31066), (887, 31213), (897, 31249),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 151

Candidate Starts for Norz_29:

(Start: 151 @21986 has 225 MA's), (Start: 167 @22007 has 5 MA's), (Start: 195 @22049 has 1 MA's), (228, 22094), (315, 22310), (333, 22355), (336, 22364), (353, 22403), (377, 22454), (378, 22457), (476, 22652), (510, 22721), (593, 22922), (594, 22925), (601, 22946), (652, 23042), (653, 23045), (655, 23051), (679, 23120), (684, 23138), (686, 23147), (697, 23177), (731, 23273), (747, 23306), (753, 23321), (795, 23462), (813, 23519), (861, 23630),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 170

Candidate Starts for NosilaM_44:

(Start: 170 @30458 has 41 MA's), (Start: 246 @30572 has 1 MA's), (275, 30656), (347, 30839), (381, 30905), (388, 30920), (399, 30944), (435, 31031), (454, 31061), (456, 31064), (501, 31121), (525, 31193), (587, 31298), (626, 31385), (652, 31433), (717, 31559), (731, 31595), (780, 31706), (801, 31781), (876, 31958), (886, 32000), (905, 32057),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 149

Candidate Starts for NotAPhaseMom_27:

(Start: 128 @19807 has 37 MA's), (Start: 149 @19831 has 636 MA's), (Start: 195 @19888 has 1 MA's), (Start: 233 @19942 has 2 MA's), (238, 19957), (Start: 246 @19975 has 1 MA's), (280, 20059), (284, 20071), (285, 20074), (315, 20149), (319, 20164), (336, 20203), (389, 20320), (428, 20407), (472, 20488), (499, 20536), (510, 20560), (542, 20647), (560, 20692), (594, 20764), (601, 20785), (609, 20803), (653, 20884), (684, 20977), (686, 20986), (692, 21010), (697, 21016), (702, 21040), (731, 21094), (744, 21115), (761, 21166), (770, 21190), (786, 21244), (813, 21340), (859, 21445), (862, 21460), (893, 21568), (899, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 149

Candidate Starts for NothingSpecial_30:

(98, 22143), (Start: 128 @22185 has 37 MA's), (Start: 149 @22209 has 636 MA's), (245, 22344), (255, 22362), (284, 22443), (285, 22446), (314, 22518), (315, 22521), (336, 22575), (339, 22581), (389, 22692), (408, 22746), (428, 22779), (472, 22860), (476, 22863), (532, 23004), (542, 23019), (550, 23034), (594, 23136), (653, 23256), (697, 23388), (702, 23412), (744, 23487), (747, 23499), (753, 23514), (755, 23520), (785, 23613), (788, 23628), (813, 23712), (859, 23817), (861, 23823), (876, 23877),

Gene: November_21 Start: 17472, Stop: 19238, Start Num: 118

Candidate Starts for November_21:

(Start: 118 @17472 has 152 MA's), (143, 17502), (Start: 233 @17628 has 2 MA's), (238, 17643), (Start: 246 @17661 has 1 MA's), (262, 17694), (273, 17724), (283, 17757), (288, 17769), (317, 17859), (333, 17895), (335, 17901), (369, 17982), (408, 18075), (412, 18087), (413, 18090), (427, 18126), (445, 18144), (459, 18162), (467, 18180), (475, 18204), (477, 18210), (487, 18237), (509, 18273), (582, 18393), (614, 18483), (628, 18510), (649, 18555), (669, 18615), (691, 18690), (718, 18714), (762, 18810), (773, 18840), (776, 18849), (795, 18924), (864, 19083), (900, 19209), (901, 19212), (910, 19230),

Gene: NovoPizza_20 Start: 18353, Stop: 20119, Start Num: 97

Candidate Starts for NovoPizza_20:

(Start: 97 @18353 has 1 MA's), (142, 18410), (155, 18428), (184, 18467), (Start: 213 @18503 has 1 MA's), (Start: 233 @18536 has 2 MA's), (238, 18551), (360, 18875), (363, 18884), (373, 18905), (397, 18956), (411, 18998), (460, 19070), (467, 19085), (499, 19157), (506, 19172), (523, 19223), (557, 19244), (615, 19388), (644, 19436), (653, 19466), (667, 19508), (679, 19541), (718, 19613), (721, 19622), (722, 19625), (761, 19691), (763, 19697), (794, 19805), (804, 19835), (809, 19853), (813, 19865), (822, 19880), (824, 19883), (864, 19964), (875, 19997), (877, 20003), (879, 20006), (910, 20111),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 170

Candidate Starts for NovumRegina_41:

(Start: 170 @30206 has 41 MA's), (Start: 200 @30242 has 1 MA's), (212, 30260), (Start: 246 @30320 has 1 MA's), (338, 30560), (343, 30572), (347, 30587), (381, 30653), (388, 30668), (399, 30692), (400, 30695), (435, 30779), (454, 30809), (456, 30812), (501, 30869), (518, 30917), (519, 30920), (525, 30941), (587, 31046), (602, 31091), (626, 31133), (717, 31307), (727, 31337), (731, 31343), (779, 31451), (780, 31454), (801, 31529), (886, 31748), (905, 31805),

Gene: Noxious_30 Start: 22615, Stop: 24417, Start Num: 151

Candidate Starts for Noxious_30:

(Start: 151 @22615 has 225 MA's), (Start: 167 @22636 has 5 MA's), (Start: 195 @22678 has 1 MA's), (228, 22723), (315, 22939), (333, 22984), (336, 22993), (353, 23032), (377, 23083), (378, 23086), (476, 23281), (510, 23350), (593, 23551), (594, 23554), (601, 23575), (652, 23671), (653, 23674), (655, 23680), (679, 23749), (684, 23767), (686, 23776), (697, 23806), (731, 23902), (747, 23935), (753, 23950), (763, 23980), (795, 24091), (813, 24148), (861, 24259), (907, 24412),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 102

Candidate Starts for Nubi_31:

(85, 25821), (Start: 102 @25863 has 86 MA's), (Start: 126 @25899 has 1 MA's), (Start: 153 @25932 has 10 MA's), (274, 26142), (275, 26145), (284, 26175), (307, 26241), (315, 26265), (317, 26274), (332, 26307), (399, 26460), (416, 26499), (453, 26550), (460, 26562), (467, 26580), (471, 26592), (475, 26604), (480, 26619), (496, 26649), (499, 26652), (509, 26673), (554, 26745), (579, 26793), (620, 26904), (649, 26937), (660, 26976), (663, 26979), (686, 27051), (715, 27117), (719, 27129), (795, 27300), (796, 27303), (811, 27351), (824, 27378), (833, 27405), (835, 27411), (859, 27459), (890, 27576), (896, 27597), (907, 27624),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Nutello_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 174

Candidate Starts for Nyceirae_23:

(Start: 91 @18639 has 1 MA's), (148, 18732), (Start: 174 @18768 has 9 MA's), (Start: 181 @18780 has 3 MA's), (251, 18894), (263, 18924), (281, 18978), (308, 19044), (310, 19050), (359, 19161), (363, 19170), (375, 19197), (378, 19203), (380, 19206), (390, 19227), (427, 19311), (480, 19398), (481, 19401), (514, 19467), (518, 19482), (541, 19536), (555, 19566), (567, 19575), (587, 19617), (593, 19638), (610, 19686), (613, 19698), (620, 19725), (650, 19794), (676, 19863), (718, 19896), (744, 19953), (762, 20004), (783, 20073), (808, 20160), (813, 20175), (837, 20232), (843, 20241), (864, 20280), (877, 20319), (880, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for Nymphadora_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 149

Candidate Starts for Nyxis_27:

(Start: 128 @19746 has 37 MA's), (Start: 149 @19770 has 636 MA's), (Start: 195 @19827 has 1 MA's), (Start: 233 @19881 has 2 MA's), (238, 19896), (Start: 246 @19914 has 1 MA's), (280, 19998), (284, 20010), (285, 20013), (315, 20088), (319, 20103), (336, 20142), (389, 20259), (428, 20346), (472, 20427), (499, 20475), (510, 20499), (542, 20586), (560, 20631), (594, 20703), (601, 20724), (609, 20742), (653, 20823), (684, 20916), (686, 20925), (692, 20949), (697, 20955), (702, 20979), (731, 21033), (744, 21054), (761, 21105), (770, 21129), (813, 21279), (859, 21384), (862, 21399), (893, 21507), (899, 21525),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 116

Candidate Starts for OBUpride_22:

(Start: 116 @17400 has 42 MA's), (Start: 121 @17409 has 18 MA's), (155, 17451), (193, 17502), (Start: 213 @17526 has 1 MA's), (219, 17538), (Start: 233 @17559 has 2 MA's), (238, 17574), (247, 17592), (263, 17625), (272, 17652), (294, 17724), (323, 17814), (360, 17898), (363, 17907), (373, 17928), (401, 17994), (411, 18021), (425, 18054), (445, 18072), (460, 18093), (467, 18108), (468, 18111), (496, 18177), (499, 18180), (523, 18246), (537, 18258), (557, 18267), (564, 18270), (598, 18357), (615, 18411), (643, 18456), (646, 18462), (668, 18534), (679, 18564), (686, 18591), (715, 18627), (718, 18636), (761, 18714), (804, 18858), (809, 18876), (813, 18888), (822, 18903), (824, 18906), (831, 18927), (835, 18939), (864, 18987), (875, 19020), (895, 19095), (900, 19113), (910, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 117

Candidate Starts for ODay_25:

(Start: 117 @18641 has 26 MA's), (Start: 123 @18653 has 8 MA's), (Start: 126 @18656 has 1 MA's), (158, 18695), (257, 18860), (301, 18953), (317, 19004), (321, 19013), (330, 19031), (347, 19073), (353, 19079), (363, 19103), (364, 19109), (373, 19127), (397, 19178), (398, 19184), (408, 19214), (437, 19256), (453, 19277), (457, 19283), (467, 19307), (487, 19358), (489, 19361), (508, 19391), (510, 19397), (589, 19541), (660, 19703), (684, 19769), (686, 19778), (691, 19799), (740, 19892), (748, 19913), (753, 19925), (755, 19931), (758, 19940), (760, 19943), (787, 19997), (795, 20027), (818, 20096), (859, 20183), (861, 20189), (875, 20240), (886, 20285), (899, 20327), (907, 20345),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 149

Candidate Starts for OKCentral2016_27:

(Start: 128 @19468 has 37 MA's), (Start: 149 @19492 has 636 MA's), (Start: 195 @19549 has 1 MA's), (205, 19564), (238, 19618), (280, 19720), (284, 19732), (285, 19735), (315, 19810), (319, 19825), (336, 19864), (389, 19981), (397, 19999), (428, 20068), (470, 20143), (487, 20182), (510, 20221), (542, 20308), (553, 20338), (560, 20353), (587, 20401), (601, 20446), (606, 20458), (609, 20464), (652, 20542), (653, 20545), (684, 20638), (686, 20647), (692, 20671), (697, 20677), (700, 20692), (718, 20725), (744, 20776), (749, 20794), (763, 20833), (764, 20839), (795, 20944), (813, 21001), (826, 21025), (828, 21031), (859, 21106), (861, 21112), (862, 21121), (899, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 149

Candidate Starts for OKaNui_28:

(Start: 128 @19856 has 37 MA's), (Start: 149 @19880 has 636 MA's), (Start: 195 @19937 has 1 MA's), (Start: 233 @19991 has 2 MA's), (238, 20006), (Start: 246 @20024 has 1 MA's), (280, 20108), (284, 20120), (285, 20123), (315, 20198), (319, 20213), (336, 20252), (389, 20369), (428, 20456), (472, 20537), (499, 20585), (510, 20609), (542, 20696), (560, 20741), (594, 20813), (601, 20834), (609, 20852), (653, 20933), (684, 21026), (686, 21035), (692, 21059), (697, 21065), (702, 21089), (731, 21143), (744, 21164), (761, 21215), (770, 21239), (786, 21293), (813, 21389), (859, 21494), (862, 21509), (893, 21617), (899, 21635),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 157

Candidate Starts for ObLaDi_19:

(Start: 146 @16512 has 12 MA's), (Start: 157 @16527 has 6 MA's), (162, 16533), (Start: 181 @16563 has 3 MA's), (188, 16572), (304, 16806), (315, 16839), (334, 16887), (366, 16962), (388, 17007), (428, 17097), (441, 17112), (469, 17166), (472, 17175), (487, 17208), (508, 17241), (510, 17247), (628, 17481), (639, 17493), (652, 17520), (660, 17553), (675, 17592), (679, 17601), (700, 17673), (720, 17688), (731, 17712), (753, 17760), (791, 17847), (797, 17868), (820, 17934), (849, 18000), (864, 18048), (890, 18138), (907, 18186),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 149

Candidate Starts for Obama12_28:

(Start: 128 @20116 has 37 MA's), (Start: 149 @20140 has 636 MA's), (Start: 153 @20146 has 10 MA's), (Start: 195 @20200 has 1 MA's), (205, 20215), (238, 20269), (Start: 246 @20287 has 1 MA's), (280, 20371), (284, 20383), (285, 20386), (315, 20461), (319, 20476), (336, 20515), (389, 20632), (428, 20719), (472, 20800), (499, 20848), (510, 20872), (542, 20959), (560, 21004), (594, 21076), (601, 21097), (609, 21115), (653, 21196), (679, 21271), (684, 21289), (686, 21298), (692, 21322), (697, 21328), (702, 21352), (726, 21394), (731, 21406), (744, 21427), (761, 21478), (770, 21502), (786, 21556), (813, 21652), (859, 21757), (862, 21772), (893, 21880), (899, 21898),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 215

Candidate Starts for Obliviate_18:

(187, 16404), (Start: 215 @16440 has 57 MA's), (266, 16542), (296, 16620), (298, 16623), (340, 16719), (357, 16758), (382, 16818), (392, 16839), (410, 16893), (415, 16908), (512, 17079), (521, 17109), (604, 17292), (612, 17316), (625, 17367), (659, 17460), (664, 17472), (682, 17517), (713, 17532), (762, 17664), (763, 17667), (792, 17766), (797, 17784), (813, 17835), (842, 17901), (871, 17964), (876, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Ochi17_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628,

16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for OctaviousRex_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 128

Candidate Starts for Odette_36:

(Start: 128 @26877 has 37 MA's), (Start: 196 @26967 has 48 MA's), (229, 27015), (242, 27045), (257, 27072), (294, 27174), (307, 27204), (346, 27303), (363, 27339), (365, 27345), (377, 27366), (405, 27438), (408, 27447), (415, 27468), (469, 27537), (482, 27576), (483, 27579), (490, 27594), (512, 27633), (526, 27681), (531, 27693), (535, 27699), (561, 27747), (566, 27756), (575, 27777), (583, 27795), (600, 27843), (638, 27945), (660, 28005), (667, 28017), (726, 28101), (731, 28113), (733, 28119), (741, 28131), (744, 28134), (757, 28173), (763, 28191), (776, 28227), (777, 28233), (801, 28320), (834, 28410), (862, 28452), (867, 28470), (877, 28500), (887, 28542), (906, 28596),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 149

Candidate Starts for Odin_27:

(98, 18895), (Start: 128 @18937 has 37 MA's), (Start: 149 @18961 has 636 MA's), (255, 19114), (284, 19195), (285, 19198), (314, 19270), (315, 19273), (319, 19288), (336, 19327), (339, 19333), (389, 19444), (393, 19450), (401, 19477), (428, 19531), (472, 19612), (542, 19771), (553, 19801), (609, 19927), (639, 19978), (653, 20008), (692, 20134), (710, 20188), (721, 20215), (726, 20224), (731, 20236), (747, 20269), (753, 20284), (761, 20308), (785, 20383), (786, 20386), (788, 20398), (813, 20482), (859, 20587), (872, 20638), (876, 20647), (899, 20728),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for OfUltron_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 129

Candidate Starts for Ogopogo_19:

(Start: 129 @15066 has 222 MA's), (199, 15153), (Start: 215 @15174 has 57 MA's), (Start: 233 @15198 has 2 MA's), (242, 15222), (253, 15243), (283, 15327), (286, 15333), (292, 15351), (305, 15381), (350, 15486), (376, 15540), (379, 15546), (383, 15555), (389, 15567), (394, 15576), (401, 15600), (415, 15642), (453, 15675), (469, 15708), (475, 15726), (480, 15741), (482, 15747), (504, 15783), (511, 15798), (512, 15804), (526, 15852), (531, 15864), (535, 15870), (574, 15930), (593,

15978), (597, 15990), (624, 16065), (628, 16074), (638, 16092), (642, 16098), (652, 16128), (718, 16233), (722, 16245), (738, 16281), (801, 16479), (811, 16512), (826, 16542), (829, 16554), (835, 16572), (841, 16581), (844, 16587), (859, 16602), (860, 16605), (864, 16626), (865, 16629), (881, 16671), (886, 16701), (899, 16743), (900, 16749),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Ohfah_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 178

Candidate Starts for Ohgeesy_19:

(Start: 178 @17387 has 57 MA's), (304, 17636), (308, 17645), (315, 17663), (316, 17666), (338, 17720), (372, 17795), (398, 17864), (401, 17873), (405, 17885), (409, 17897), (423, 17936), (437, 17963), (444, 17972), (445, 17975), (510, 18008), (526, 18065), (568, 18131), (617, 18242), (653, 18302), (685, 18404), (730, 18461), (766, 18551), (849, 18791), (873, 18869),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 151

Candidate Starts for Ohno789_27:

(Start: 151 @20972 has 225 MA's), (Start: 167 @20993 has 5 MA's), (Start: 195 @21035 has 1 MA's), (228, 21080), (315, 21296), (333, 21341), (336, 21350), (353, 21389), (377, 21440), (378, 21443), (476, 21638), (510, 21707), (593, 21908), (594, 21911), (601, 21932), (652, 22028), (653, 22031), (655, 22037), (679, 22106), (684, 22124), (686, 22133), (697, 22163), (731, 22259), (747, 22292), (753, 22307), (795, 22448), (813, 22505), (861, 22616),

Gene: Okabe_18 Start: 15596, Stop: 17305, Start Num: 129

Candidate Starts for Okabe_18:

(Start: 129 @15596 has 222 MA's), (199, 15683), (242, 15752), (253, 15773), (283, 15857), (286, 15863), (292, 15881), (305, 15911), (350, 16016), (379, 16076), (383, 16085), (394, 16106), (399, 16124), (401, 16130), (415, 16172), (453, 16205), (467, 16232), (469, 16238), (475, 16256), (480, 16271), (482, 16277), (493, 16298), (504, 16313), (506, 16316), (511, 16328), (512, 16334), (526, 16382), (531, 16394), (535, 16400), (574, 16460), (579, 16472), (593, 16508), (597, 16520), (604, 16541), (624, 16595), (628, 16604), (638, 16622), (642, 16628), (652, 16658), (718, 16763), (722, 16775), (738, 16811), (753, 16847), (754, 16850), (766, 16889), (794, 16988), (801, 17009), (811, 17042), (826, 17072), (835, 17102), (841, 17111), (844, 17117), (859, 17132), (860, 17135), (864, 17156), (865, 17159), (881, 17201), (886, 17231), (899, 17273),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 121

Candidate Starts for OkiRoe_21:

(Start: 121 @17496 has 18 MA's), (124, 17502), (Start: 145 @17526 has 2 MA's), (Start: 171 @17559 has 8 MA's), (205, 17607), (238, 17661), (262, 17712), (283, 17775), (319, 17883), (365, 17991), (412, 18105), (413, 18108), (428, 18147), (455, 18174), (459, 18180), (475, 18222), (477, 18228), (496, 18267), (509, 18291), (574, 18393), (598, 18456), (613, 18501), (669, 18636), (718, 18735), (753, 18813), (761, 18837), (768, 18858), (795, 18954), (797, 18960), (864, 19113), (894, 19218), (895, 19221), (900, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 129

Candidate Starts for Oksu_17:

(Start: 129 @14871 has 222 MA's), (199, 14958), (Start: 233 @15003 has 2 MA's), (242, 15027), (283, 15132), (286, 15138), (292, 15156), (305, 15186), (350, 15291), (379, 15351), (389, 15372), (394, 15381), (401, 15405), (453, 15480), (475, 15531), (480, 15546), (482, 15552), (504, 15588), (511, 15603), (512, 15609), (526, 15657), (531, 15669), (535, 15675), (574, 15735), (579, 15747), (593, 15783), (597, 15795), (604, 15816), (624, 15870), (628, 15879), (638, 15897), (642, 15903), (652, 15933), (718, 16038), (721, 16047), (722, 16050), (738, 16086), (766, 16164), (794, 16263), (801, 16284), (811, 16317), (826, 16347), (835, 16377), (841, 16386), (844, 16392), (859, 16407), (860, 16410), (864, 16431), (865, 16434), (879, 16470), (881, 16476), (899, 16548),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 149

Candidate Starts for OlanP_29:

(Start: 149 @20640 has 636 MA's), (Start: 195 @20697 has 1 MA's), (205, 20712), (238, 20766), (245, 20781), (280, 20868), (284, 20880), (285, 20883), (315, 20958), (319, 20973), (428, 21216), (510, 21369), (542, 21456), (593, 21570), (601, 21594), (609, 21612), (653, 21693), (679, 21768), (684, 21786), (686, 21795), (692, 21819), (697, 21825), (700, 21840), (706, 21864), (730, 21918), (731, 21921), (744, 21942), (861, 22278), (899, 22413),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 129

Candidate Starts for OldBen_16:

(Start: 129 @14778 has 222 MA's), (199, 14865), (Start: 233 @14910 has 2 MA's), (242, 14934), (283, 15039), (286, 15045), (292, 15063), (297, 15072), (305, 15093), (350, 15198), (379, 15258), (389, 15279), (394, 15288), (401, 15312), (475, 15438), (480, 15453), (482, 15459), (504, 15495), (506, 15498), (511, 15510), (512, 15516), (526, 15564), (531, 15576), (535, 15582), (574, 15642), (579, 15654), (593, 15690), (597, 15702), (624, 15777), (628, 15786), (638, 15804), (642, 15810), (652, 15840), (718, 15945), (721, 15954), (722, 15957), (738, 15993), (766, 16071), (794, 16170), (801, 16191), (811, 16224), (826, 16254), (835, 16284), (841, 16293), (844, 16299), (859, 16314), (860, 16317), (864, 16338), (865, 16341), (881, 16383), (886, 16413), (899, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Olga_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 149

Candidate Starts for Ollie_29:

(Start: 149 @20249 has 636 MA's), (Start: 195 @20306 has 1 MA's), (205, 20321), (231, 20354), (238, 20375), (245, 20390), (280, 20477), (284, 20489), (285, 20492), (315, 20567), (319, 20582), (335, 20618), (428, 20825), (487, 20939), (510, 20978), (542, 21065), (593, 21179), (601, 21203), (609, 21221), (653, 21302), (679, 21377), (684, 21395), (692, 21428), (697, 21434), (706, 21473), (730, 21527), (731, 21530), (744, 21551), (763, 21608), (813, 21776), (859, 21881), (861, 21887), (899, 22022),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 129

Candidate Starts for OlympiaSaint_16:

(Start: 129 @15002 has 222 MA's), (199, 15089), (Start: 233 @15134 has 2 MA's), (242, 15158), (283, 15263), (286, 15269), (292, 15287), (305, 15317), (350, 15422), (379, 15482), (389, 15503), (394, 15512), (401, 15536), (453, 15611), (455, 15614), (475, 15662), (480, 15677), (482, 15683), (504, 15719), (506, 15722), (511, 15734), (512, 15740), (526, 15788), (531, 15800), (535, 15806), (574, 15866), (579, 15878), (593, 15914), (597, 15926), (624, 16001), (628, 16010), (638, 16028), (642,

16034), (652, 16064), (718, 16169), (722, 16181), (738, 16217), (766, 16295), (801, 16415), (811, 16448), (826, 16478), (835, 16508), (841, 16517), (844, 16523), (859, 16538), (860, 16541), (865, 16565), (876, 16595), (881, 16607), (886, 16637), (899, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 128

Candidate Starts for Omega_36:

(Start: 128 @28767 has 37 MA's), (Start: 196 @28857 has 48 MA's), (199, 28860), (242, 28935), (257, 28962), (280, 29028), (294, 29064), (307, 29094), (312, 29109), (346, 29193), (363, 29229), (377, 29256), (395, 29295), (405, 29328), (408, 29337), (455, 29394), (472, 29436), (509, 29511), (512, 29523), (531, 29583), (535, 29589), (561, 29637), (575, 29667), (583, 29685), (588, 29694), (598, 29727), (602, 29739), (604, 29745), (616, 29784), (642, 29841), (726, 29991), (733, 30009), (753, 30051), (761, 30075), (762, 30078), (766, 30093), (777, 30123), (786, 30153), (801, 30210), (867, 30360), (901, 30480), (906, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 118

Candidate Starts for OmniCritical_24:

(Start: 95 @18492 has 1 MA's), (Start: 111 @18522 has 26 MA's), (Start: 116 @18528 has 42 MA's), (Start: 118 @18531 has 152 MA's), (Start: 171 @18588 has 8 MA's), (205, 18636), (Start: 233 @18675 has 2 MA's), (238, 18690), (Start: 246 @18708 has 1 MA's), (262, 18741), (273, 18771), (288, 18816), (294, 18834), (317, 18906), (319, 18912), (333, 18942), (361, 19008), (365, 19020), (420, 19155), (455, 19203), (459, 19209), (467, 19227), (477, 19257), (496, 19296), (574, 19422), (597, 19482), (598, 19485), (604, 19503), (610, 19518), (669, 19686), (686, 19740), (718, 19785), (739, 19830), (749, 19854), (761, 19887), (773, 19920), (792, 19992), (795, 20004), (811, 20055), (813, 20061), (864, 20163), (900, 20289), (910, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 179

Candidate Starts for OneDirection_17:

(Start: 91 @14529 has 1 MA's), (Start: 179 @14664 has 33 MA's), (271, 14853), (272, 14856), (295, 14931), (319, 14985), (347, 15054), (388, 15144), (389, 15147), (444, 15279), (471, 15333), (509, 15414), (526, 15474), (528, 15480), (588, 15561), (626, 15639), (637, 15657), (654, 15696), (679, 15768), (681, 15771), (685, 15792), (792, 16026), (796, 16041), (809, 16083), (847, 16176), (849, 16179), (864, 16227), (873, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 150

Candidate Starts for OneUp_42:

(Start: 150 @27048 has 17 MA's), (192, 27108), (Start: 214 @27141 has 22 MA's), (272, 27264), (292, 27330), (312, 27378), (347, 27465), (353, 27471), (375, 27519), (377, 27522), (396, 27564), (480, 27669), (509, 27720), (512, 27732), (514, 27738), (597, 27924), (667, 28122), (672, 28140), (718, 28182), (736, 28227), (740, 28233), (763, 28293), (795, 28404), (879, 28605), (887, 28644), (897, 28680),

Gene: Onglai_29 Start: 20083, Stop: 21873, Start Num: 149

Candidate Starts for Onglai_29:

(Start: 146 @20080 has 12 MA's), (Start: 149 @20083 has 636 MA's), (284, 20317), (285, 20320), (314, 20392), (315, 20395), (319, 20410), (336, 20449), (339, 20455), (389, 20566), (428, 20653), (472, 20734), (476, 20737), (553, 20923), (587, 20986), (594, 21010), (596, 21016), (609, 21049), (653, 21130), (692, 21256), (705, 21298), (731, 21358), (747, 21391), (753, 21406), (785, 21505), (786, 21508), (788, 21520), (813, 21604), (842, 21670), (859, 21709), (861, 21715), (872, 21760), (889, 21817), (890, 21820),

Gene: Oofda_30 Start: 19067, Stop: 20854, Start Num: 149

Candidate Starts for Oofda_30:

(98, 19001), (Start: 128 @19043 has 37 MA's), (Start: 149 @19067 has 636 MA's), (Start: 246 @19205 has 1 MA's), (272, 19262), (285, 19304), (302, 19340), (315, 19379), (343, 19448), (353, 19472), (378, 19526), (455, 19676), (476, 19721), (487, 19751), (509, 19787), (524, 19838), (540, 19874), (560, 19922), (590, 19982), (652, 20111), (679, 20189), (753, 20390), (755, 20396), (786, 20492), (845, 20657), (879, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 151

Candidate Starts for Oogway_26:

(Start: 151 @21094 has 225 MA's), (Start: 167 @21115 has 5 MA's), (Start: 195 @21157 has 1 MA's), (228, 21202), (315, 21418), (333, 21463), (336, 21472), (353, 21511), (377, 21562), (378, 21565), (476, 21760), (510, 21829), (593, 22030), (594, 22033), (601, 22054), (652, 22150), (653, 22153), (655, 22159), (679, 22228), (684, 22246), (686, 22255), (697, 22285), (731, 22381), (747, 22414), (753, 22429), (795, 22570), (813, 22627), (861, 22738), (907, 22891),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 144

Candidate Starts for Opie_19:

(78, 16868), (119, 16952), (Start: 126 @16964 has 1 MA's), (Start: 144 @16985 has 6 MA's), (290, 17255), (319, 17339), (377, 17468), (405, 17540), (427, 17582), (453, 17618), (467, 17648), (475, 17672), (494, 17714), (509, 17741), (547, 17798), (550, 17804), (589, 17891), (738, 18251), (748, 18275), (755, 18293), (795, 18389), (849, 18524), (862, 18563), (863, 18566), (887, 18653), (895, 18680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 128

Candidate Starts for Optimus_35:

(Start: 128 @27884 has 37 MA's), (Start: 196 @27974 has 48 MA's), (229, 28022), (242, 28052), (294, 28181), (307, 28211), (325, 28262), (346, 28310), (363, 28346), (377, 28373), (405, 28445), (408, 28454), (415, 28475), (469, 28544), (482, 28583), (483, 28586), (490, 28601), (512, 28640), (526, 28688), (531, 28700), (535, 28706), (561, 28754), (566, 28763), (575, 28784), (583, 28802), (600, 28850), (638, 28952), (667, 29024), (683, 29069), (685, 29081), (694, 29216), (695, 29222), (696, 29246), (708, 29318), (716, 29345), (802, 29594),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 149

Candidate Starts for Orange_28:

(98, 20689), (Start: 128 @20731 has 37 MA's), (Start: 149 @20755 has 636 MA's), (188, 20797), (Start: 246 @20893 has 1 MA's), (255, 20908), (284, 20989), (285, 20992), (315, 21067), (319, 21082), (336, 21121), (339, 21127), (361, 21178), (389, 21238), (393, 21244), (428, 21325), (476, 21409), (526, 21535), (533, 21553), (550, 21580), (609, 21721), (648, 21787), (652, 21799), (653, 21802), (712, 21991), (721, 22018), (726, 22027), (736, 22048), (738, 22051), (747, 22072), (753, 22087), (761, 22111), (785, 22186), (788, 22201), (813, 22285), (859, 22390), (861, 22396), (876, 22450), (907, 22549),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 178

Candidate Starts for Oregano_20:

(96, 17251), (Start: 178 @17368 has 57 MA's), (308, 17626), (316, 17647), (338, 17701), (356, 17740), (378, 17797), (388, 17818), (510, 17989), (515, 18007), (522, 18031), (528, 18052), (568, 18094), (602, 18175), (653, 18265), (685, 18367), (686, 18370), (730, 18424), (766, 18514), (862, 18793), (864, 18802), (873, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 134

Candidate Starts for OrionPax_25:

(Start: 134 @19491 has 130 MA's), (Start: 196 @19575 has 48 MA's), (Start: 246 @19653 has 1 MA's), (280, 19740), (286, 19755), (305, 19803), (320, 19842), (361, 19929), (377, 19962), (394, 19998), (402, 20028), (405, 20034), (458, 20103), (477, 20133), (481, 20145), (482, 20148), (512,

20205), (575, 20337), (578, 20343), (602, 20409), (604, 20415), (612, 20439), (628, 20487), (642, 20511), (647, 20520), (672, 20595), (721, 20646), (726, 20661), (786, 20823), (792, 20850), (801, 20880), (843, 20985), (879, 21063), (886, 21099), (889, 21108), (899, 21141), (906, 21156),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 149

Candidate Starts for Orla_20:

(119, 15729), (Start: 139 @15756 has 9 MA's), (Start: 149 @15759 has 636 MA's), (Start: 246 @15900 has 1 MA's), (284, 15999), (302, 16050), (311, 16077), (373, 16227), (388, 16257), (398, 16284), (405, 16305), (408, 16314), (416, 16329), (441, 16359), (449, 16371), (453, 16377), (455, 16380), (461, 16395), (487, 16464), (499, 16479), (522, 16545), (555, 16587), (560, 16596), (571, 16614), (591, 16659), (627, 16743), (651, 16779), (652, 16782), (653, 16785), (657, 16800), (664, 16818), (684, 16875), (692, 16908), (748, 17004), (753, 17016), (755, 17022), (758, 17031), (769, 17043), (794, 17115), (795, 17118), (796, 17121), (801, 17136), (842, 17244), (847, 17253), (861, 17286), (862, 17295), (899, 17424), (906, 17439),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 116

Candidate Starts for Oscar_22:

(Start: 95 @16358 has 1 MA's), (Start: 111 @16388 has 26 MA's), (Start: 116 @16394 has 42 MA's), (143, 16421), (165, 16448), (238, 16562), (262, 16613), (283, 16676), (317, 16778), (319, 16784), (348, 16856), (365, 16892), (369, 16901), (389, 16940), (406, 16988), (412, 17006), (427, 17045), (445, 17063), (455, 17075), (459, 17081), (475, 17123), (477, 17129), (487, 17156), (574, 17294), (582, 17312), (588, 17324), (614, 17402), (649, 17474), (653, 17486), (669, 17534), (691, 17609), (749, 17693), (761, 17726), (763, 17732), (773, 17759), (795, 17843), (797, 17849), (811, 17894), (813, 17900), (862, 17993), (889, 18089), (910, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 170

Candidate Starts for Outis_42:

(Start: 170 @30437 has 41 MA's), (Start: 246 @30551 has 1 MA's), (347, 30818), (381, 30884), (388, 30899), (399, 30923), (400, 30926), (435, 31010), (454, 31040), (462, 31058), (497, 31091), (501, 31100), (510, 31118), (518, 31148), (525, 31172), (576, 31256), (587, 31277), (603, 31325), (626, 31364), (652, 31412), (717, 31538), (731, 31574), (780, 31685), (801, 31760), (876, 31937), (886, 31979), (905, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Ovechkin_16:

(Start: 129 @14836 has 222 MA's), (199, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (283, 15097), (286, 15103), (292, 15121), (305, 15151), (350, 15256), (379, 15316), (389, 15337), (394, 15346), (401, 15370), (475, 15496), (480, 15511), (482, 15517), (504, 15553), (506, 15556), (511, 15568), (512, 15574), (526, 15622), (531, 15634), (535, 15640), (574, 15700), (579, 15712), (593, 15748), (597, 15760), (624, 15835), (628, 15844), (638, 15862), (642, 15868), (652, 15898), (718, 16003), (721, 16012), (722, 16015), (738, 16051), (766, 16129), (794, 16228), (801, 16249), (811, 16282), (826, 16312), (835, 16342), (841, 16351), (844, 16357), (859, 16372), (860, 16375), (865, 16399), (876, 16429), (881, 16441), (886, 16471), (899, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 129

Candidate Starts for OwlsT2W_18:

(Start: 129 @15174 has 222 MA's), (199, 15261), (Start: 233 @15306 has 2 MA's), (242, 15330), (283, 15435), (286, 15441), (292, 15459), (305, 15489), (350, 15594), (379, 15654), (383, 15663), (388, 15672), (389, 15675), (394, 15684), (401, 15708), (453, 15783), (455, 15786), (475, 15834), (480, 15849), (482, 15855), (504, 15891), (506, 15894), (511, 15906), (512, 15912), (526, 15960), (531, 15972), (535, 15978), (574, 16038), (579, 16050), (593, 16086), (597, 16098), (624, 16173), (628, 16182), (638, 16200), (642, 16206), (652, 16236), (718, 16341), (721, 16350), (722, 16353), (738, 16389), (763, 16455), (766, 16467), (794, 16566), (801, 16587), (811, 16620), (826, 16650), (835,

16680), (841, 16689), (844, 16695), (859, 16710), (860, 16713), (865, 16737), (876, 16767), (881, 16779), (886, 16809), (899, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 170

Candidate Starts for P1201_47:

(Start: 170 @34468 has 41 MA's), (285, 34690), (315, 34771), (322, 34792), (389, 34936), (446, 35071), (501, 35143), (506, 35152), (549, 35251), (552, 35266), (600, 35359), (673, 35524), (686, 35563), (762, 35668), (774, 35701), (785, 35740), (805, 35812), (827, 35866), (834, 35890), (838, 35899), (872, 35980), (898, 36070),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for P28Green_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: P3MA_18 Start: 14293, Stop: 16050, Start Num: 118

Candidate Starts for P3MA_18:

(101, 14269), (Start: 118 @14293 has 152 MA's), (193, 14386), (283, 14575), (317, 14677), (377, 14812), (380, 14818), (389, 14839), (397, 14857), (408, 14893), (416, 14917), (468, 14995), (474, 15013), (482, 15037), (505, 15079), (509, 15085), (510, 15088), (574, 15187), (614, 15298), (647, 15358), (669, 15430), (718, 15529), (721, 15538), (749, 15586), (774, 15655), (795, 15736), (801, 15754), (805, 15766), (811, 15787), (824, 15814), (831, 15835), (836, 15850), (864, 15895), (868, 15907), (873, 15925), (890, 15982),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 215

Candidate Starts for PCoral7_19:

(4, 15693), (6, 15738), (7, 15762), (8, 15768), (9, 15876), (12, 15924), (17, 15996), (25, 16071), (35, 16209), (38, 16239), (39, 16245), (53, 16377), (59, 16434), (60, 16443), (114, 16602), (187, 16704), (Start: 215 @16740 has 57 MA's), (266, 16845), (296, 16923), (320, 16983), (326, 16995), (328, 16998), (410, 17196), (415, 17211), (472, 17295), (476, 17307), (479, 17316), (480, 17319), (488, 17340), (512, 17382), (521, 17412), (604, 17595), (612, 17619), (625, 17670), (643, 17703), (659, 17763), (664, 17775), (680, 17817), (713, 17835), (763, 17970), (792, 18069), (797, 18087), (813, 18138), (838, 18198), (842, 18204), (876, 18279),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for PGHhamlin_31:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 129

Candidate Starts for PHappiness_16:

(Start: 129 @14786 has 222 MA's), (199, 14873), (Start: 233 @14918 has 2 MA's), (242, 14942), (283, 15047), (286, 15053), (292, 15071), (305, 15101), (350, 15206), (379, 15266), (389, 15287), (394, 15296), (401, 15320), (475, 15446), (480, 15461), (482, 15467), (504, 15503), (506, 15506), (511, 15518), (512, 15524), (526, 15572), (531, 15584), (535, 15590), (574, 15650), (579, 15662), (593, 15698), (597, 15710), (624, 15785), (628, 15794), (638, 15812), (642, 15818), (652, 15848), (718,

15953), (721, 15962), (722, 15965), (738, 16001), (766, 16079), (794, 16178), (801, 16199), (811, 16232), (826, 16262), (835, 16292), (841, 16301), (844, 16307), (859, 16322), (860, 16325), (864, 16346), (865, 16349), (881, 16391), (886, 16421), (899, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for PMC_16:

(Start: 129 @14790 has 222 MA's), (199, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (265, 15003), (283, 15051), (286, 15057), (292, 15075), (305, 15105), (329, 15159), (350, 15210), (376, 15264), (379, 15270), (383, 15279), (394, 15300), (401, 15324), (413, 15360), (415, 15366), (453, 15399), (455, 15402), (460, 15411), (467, 15426), (469, 15432), (475, 15450), (480, 15465), (482, 15471), (490, 15489), (493, 15492), (504, 15507), (511, 15522), (512, 15528), (526, 15576), (531, 15588), (535, 15594), (574, 15654), (579, 15666), (593, 15702), (597, 15714), (624, 15789), (628, 15798), (638, 15816), (642, 15822), (652, 15852), (718, 15957), (722, 15969), (738, 16005), (766, 16083), (801, 16203), (811, 16236), (826, 16266), (829, 16278), (835, 16296), (839, 16302), (841, 16305), (844, 16311), (859, 16326), (860, 16329), (864, 16350), (865, 16353), (881, 16395), (886, 16425), (899, 16467), (900, 16473),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 149

Candidate Starts for PP_37:

(22, 25235), (31, 25340), (32, 25346), (40, 25436), (45, 25478), (51, 25508), (70, 25676), (98, 25760), (Start: 128 @25802 has 37 MA's), (Start: 149 @25826 has 636 MA's), (Start: 167 @25835 has 5 MA's), (231, 25925), (245, 25961), (255, 25979), (284, 26060), (285, 26063), (315, 26138), (336, 26192), (393, 26315), (401, 26342), (428, 26396), (470, 26471), (472, 26477), (476, 26480), (526, 26606), (594, 26753), (609, 26792), (692, 26999), (700, 27020), (706, 27044), (726, 27089), (730, 27098), (731, 27101), (747, 27134), (753, 27149), (761, 27173), (764, 27185), (785, 27248), (786, 27251), (813, 27347), (824, 27368), (849, 27425), (859, 27452), (861, 27458), (864, 27476), (872, 27503), (876, 27512), (899, 27593),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 170

Candidate Starts for PSonyx_17:

(Start: 170 @17526 has 41 MA's), (285, 17751), (304, 17793), (393, 18003), (395, 18009), (450, 18114), (480, 18180), (508, 18231), (554, 18306), (653, 18510), (660, 18537), (678, 18582), (693, 18639), (797, 18852), (890, 19116), (896, 19137), (907, 19164),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for PSullivan_29:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (353, 22002), (377, 22053), (378, 22056), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for Pacc40_16:

(Start: 129 @14976 has 222 MA's), (199, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (283, 15237), (286, 15243), (292, 15261), (305, 15291), (350, 15396), (379, 15456), (389, 15477), (394, 15486), (401, 15510), (475, 15636), (480, 15651), (482, 15657), (504, 15693), (506, 15696), (511, 15708), (512, 15714), (526, 15762), (531, 15774), (535, 15780), (574, 15840), (579, 15852), (593, 15888), (597, 15900), (624, 15975), (628, 15984), (638, 16002), (642, 16008), (652, 16038), (718, 16143), (721, 16152), (722, 16155), (738, 16191), (766, 16269), (794, 16368), (801, 16389), (811, 16422), (826, 16452), (835, 16482), (841, 16491), (844, 16497), (859, 16512), (860, 16515), (864, 16536), (865, 16539), (881, 16581), (886, 16611), (899, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 140

Candidate Starts for Pace1224_18:

(Start: 140 @16851 has 3 MA's), (205, 16923), (273, 17058), (301, 17133), (315, 17184), (319, 17199), (333, 17229), (335, 17235), (358, 17289), (408, 17409), (459, 17505), (463, 17514), (477, 17553), (496, 17592), (512, 17628), (532, 17673), (574, 17718), (628, 17859), (653, 17916), (669, 17964), (679, 17991), (688, 18027), (691, 18039), (735, 18081), (761, 18144), (791, 18246), (811, 18312), (884, 18486), (903, 18552),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 151

Candidate Starts for PacerPaul_27:

(Start: 151 @21373 has 225 MA's), (Start: 167 @21394 has 5 MA's), (Start: 195 @21436 has 1 MA's), (228, 21481), (315, 21697), (333, 21742), (336, 21751), (377, 21841), (378, 21844), (476, 22039), (510, 22108), (589, 22297), (593, 22309), (594, 22312), (601, 22333), (652, 22429), (653, 22432), (655, 22438), (679, 22507), (684, 22525), (686, 22534), (697, 22564), (731, 22660), (747, 22693), (753, 22708), (795, 22849), (813, 22906), (861, 23017), (907, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 146

Candidate Starts for PackMan_30:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (706, 22967), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: PaddyBaddy_25 Start: 19585, Stop: 21180, Start Num: 196

Candidate Starts for PaddyBaddy_25:

(Start: 134 @19501 has 130 MA's), (Start: 196 @19585 has 48 MA's), (Start: 246 @19663 has 1 MA's), (280, 19750), (286, 19765), (305, 19813), (320, 19852), (361, 19939), (377, 19972), (394, 20008), (402, 20038), (405, 20044), (458, 20113), (477, 20143), (481, 20155), (482, 20158), (512, 20215), (575, 20347), (578, 20353), (602, 20419), (604, 20425), (612, 20449), (628, 20497), (642, 20521), (647, 20530), (672, 20605), (721, 20656), (726, 20671), (786, 20833), (792, 20860), (801, 20890), (843, 20995), (879, 21073), (886, 21109), (889, 21118), (899, 21151), (906, 21166),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Padfoot_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 118

Candidate Starts for Padpat_23:

(Start: 118 @17148 has 152 MA's), (143, 17178), (Start: 246 @17337 has 1 MA's), (262, 17370), (273, 17400), (283, 17433), (288, 17445), (317, 17535), (335, 17577), (365, 17649), (369, 17658), (389, 17697), (405, 17742), (412, 17763), (413, 17766), (445, 17820), (459, 17838), (475, 17880), (477, 17886), (487, 17913), (574, 18051), (582, 18069), (597, 18111), (603, 18129), (614, 18159), (628, 18186), (669, 18291), (749, 18450), (762, 18486), (773, 18516), (776, 18525), (795, 18600), (811, 18651), (889, 18846), (900, 18885), (901, 18888), (910, 18906),

Gene: PaintedDog_18 Start: 15935, Stop: 17668, Start Num: 137

Candidate Starts for PaintedDog_18:

(Start: 137 @15935 has 56 MA's), (Start: 214 @16034 has 22 MA's), (219, 16043), (254, 16109), (264, 16133), (284, 16193), (286, 16196), (297, 16223), (376, 16403), (388, 16427), (394, 16439), (401, 16463), (475, 16589), (480, 16604), (506, 16649), (512, 16667), (597, 16853), (618, 16919), (624, 16928), (642, 16961), (721, 17105), (741, 17150), (777, 17252), (779, 17261), (784, 17279), (785, 17282), (835, 17441), (846, 17459), (859, 17495), (862, 17510), (879, 17558), (896, 17627),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 149

Candidate Starts for PainterBoy_29:

(Start: 128 @20851 has 37 MA's), (Start: 149 @20875 has 636 MA's), (255, 21028), (284, 21109), (285, 21112), (314, 21184), (315, 21187), (321, 21205), (331, 21226), (336, 21241), (339, 21247), (361, 21298), (389, 21358), (401, 21391), (428, 21445), (472, 21526), (476, 21529), (553, 21715), (594, 21802), (609, 21841), (653, 21922), (692, 22048), (715, 22111), (730, 22147), (753, 22198), (785, 22297), (797, 22345), (813, 22396), (859, 22501), (861, 22507), (876, 22561),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 137

Candidate Starts for Paito_18:

(23, 16239), (Start: 111 @16773 has 26 MA's), (Start: 137 @16782 has 56 MA's), (143, 16788), (147, 16794), (205, 16872), (238, 16926), (262, 16977), (273, 17007), (280, 17031), (315, 17133), (331, 17172), (333, 17178), (339, 17193), (358, 17238), (406, 17352), (408, 17358), (429, 17415), (459, 17454), (475, 17496), (477, 17502), (496, 17541), (532, 17622), (574, 17667), (592, 17712), (652, 17862), (653, 17865), (662, 17895), (669, 17913), (679, 17940), (722, 18024), (729, 18033), (735, 18042), (745, 18057), (761, 18105), (765, 18120), (786, 18183), (801, 18240), (813, 18279), (831, 18321), (862, 18372), (889, 18468), (910, 18528),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Palestino_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 196

Candidate Starts for Palpatine_24:

(Start: 134 @19763 has 130 MA's), (Start: 196 @19847 has 48 MA's), (Start: 246 @19925 has 1 MA's), (280, 20012), (286, 20027), (305, 20075), (320, 20114), (361, 20201), (377, 20234), (394, 20270), (402, 20300), (405, 20306), (458, 20375), (477, 20405), (481, 20417), (482, 20420), (512, 20477), (575, 20609), (578, 20615), (602, 20681), (604, 20687), (612, 20711), (628, 20759), (642, 20783), (647, 20792), (672, 20867), (721, 20918), (726, 20933), (786, 21095), (792, 21122), (801, 21152), (843, 21257), (879, 21335), (886, 21371), (889, 21380), (899, 21413), (906, 21428),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Panamaxus_27:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 134

Candidate Starts for Panchino_18:

(Start: 134 @14966 has 130 MA's), (155, 14993), (183, 15032), (Start: 233 @15098 has 2 MA's), (237, 15110), (254, 15146), (264, 15170), (274, 15197), (280, 15218), (283, 15227), (286, 15233), (301, 15266), (376, 15440), (379, 15446), (383, 15455), (388, 15464), (394, 15476), (401, 15500), (415, 15542), (453, 15575), (475, 15626), (476, 15629), (480, 15641), (504, 15683), (511, 15698), (512, 15704), (526, 15752), (554, 15806), (574, 15830), (601, 15902), (618, 15956), (624, 15965), (628, 15974), (642, 15998), (651, 16025), (652, 16028), (718, 16133), (721, 16142), (738, 16181), (768, 16262), (785, 16319), (794, 16358), (835, 16472), (859, 16502), (860, 16505), (865, 16529), (879, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 178

Candidate Starts for PantheRoc_19:

(Start: 178 @17095 has 57 MA's), (308, 17353), (315, 17371), (316, 17374), (338, 17428), (372, 17503), (398, 17572), (401, 17581), (405, 17593), (409, 17605), (423, 17644), (437, 17671), (444, 17680), (445, 17683), (510, 17716), (526, 17773), (568, 17839), (617, 17950), (653, 18010), (685, 18112), (730, 18169), (766, 18259), (849, 18499), (873, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Paola_21:

(Start: 121 @17495 has 18 MA's), (124, 17501), (Start: 145 @17525 has 2 MA's), (Start: 171 @17558 has 8 MA's), (205, 17606), (238, 17660), (262, 17711), (283, 17774), (319, 17882), (365, 17990), (412, 18104), (413, 18107), (428, 18146), (445, 18161), (455, 18173), (459, 18179), (475, 18221), (477, 18227), (496, 18266), (509, 18290), (574, 18392), (598, 18455), (613, 18500), (669, 18635), (718, 18734), (753, 18812), (761, 18836), (763, 18842), (768, 18857), (795, 18953), (797, 18959), (864, 19112), (894, 19217), (895, 19220), (900, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 134

Candidate Starts for Paperbeatsrock_26:

(Start: 134 @20726 has 130 MA's), (Start: 196 @20810 has 48 MA's), (Start: 246 @20888 has 1 MA's), (280, 20975), (286, 20990), (305, 21038), (320, 21077), (361, 21164), (377, 21197), (394, 21233), (402, 21263), (405, 21269), (458, 21338), (477, 21368), (481, 21380), (482, 21383), (512, 21440), (575, 21572), (578, 21578), (602, 21644), (604, 21650), (612, 21674), (628, 21722), (642, 21746), (647, 21755), (672, 21830), (721, 21881), (726, 21896), (786, 22058), (792, 22085), (801, 22115), (843, 22220), (879, 22298), (886, 22334), (889, 22343), (899, 22376), (906, 22391),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 167

Candidate Starts for Papez_29:

(Start: 151 @22810 has 225 MA's), (Start: 167 @22831 has 5 MA's), (Start: 195 @22873 has 1 MA's), (228, 22918), (315, 23134), (333, 23179), (336, 23188), (353, 23227), (377, 23278), (378, 23281), (476, 23476), (510, 23545), (593, 23746), (594, 23749), (601, 23770), (652, 23866), (653, 23869), (655, 23875), (679, 23944), (684, 23962), (686, 23971), (697, 24001), (731, 24097), (747, 24130), (753, 24145), (795, 24286), (813, 24343), (861, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 151

Candidate Starts for Paphu_26:

(Start: 149 @20883 has 636 MA's), (Start: 151 @20886 has 225 MA's), (Start: 167 @20907 has 5 MA's), (Start: 195 @20949 has 1 MA's), (228, 20994), (315, 21210), (333, 21255), (336, 21264), (353, 21303), (377, 21354), (378, 21357), (476, 21552), (510, 21621), (593, 21822), (594, 21825), (601, 21846), (652, 21942), (653, 21945), (655, 21951), (679, 22020), (684, 22038), (686, 22047), (697, 22077), (731, 22173), (747, 22206), (753, 22221), (795, 22362), (813, 22419), (861, 22530), (907, 22683),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 168

Candidate Starts for Parada_22:

(103, 17269), (Start: 168 @17344 has 17 MA's), (Start: 233 @17437 has 2 MA's), (238, 17452), (241, 17458), (273, 17533), (295, 17605), (334, 17716), (354, 17761), (361, 17779), (365, 17791), (455, 17962), (460, 17971), (463, 17977), (475, 18010), (506, 18073), (523, 18124), (557, 18148), (573, 18172), (601, 18247), (614, 18286), (667, 18418), (721, 18532), (761, 18619), (794, 18733), (797, 18742), (835, 18847), (877, 18934), (910, 19042),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 151

Candidate Starts for Paraselene_26:

(Start: 151 @21257 has 225 MA's), (Start: 167 @21278 has 5 MA's), (Start: 195 @21320 has 1 MA's), (228, 21365), (315, 21581), (333, 21626), (336, 21635), (353, 21674), (377, 21725), (378, 21728), (476, 21923), (510, 21992), (593, 22193), (594, 22196), (601, 22217), (652, 22313), (653, 22316), (655, 22322), (679, 22391), (684, 22409), (686, 22418), (697, 22448), (731, 22544), (747, 22577), (753, 22592), (795, 22733), (813, 22790), (861, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 151

Candidate Starts for Pari_28:

(Start: 151 @20846 has 225 MA's), (Start: 167 @20867 has 5 MA's), (Start: 195 @20909 has 1 MA's), (228, 20954), (315, 21170), (333, 21215), (336, 21224), (377, 21314), (378, 21317), (416, 21410), (476, 21512), (510, 21581), (589, 21770), (593, 21782), (594, 21785), (601, 21806), (652, 21902), (653, 21905), (655, 21911), (679, 21980), (684, 21998), (686, 22007), (697, 22037), (731, 22133), (747, 22166), (753, 22181), (795, 22322), (813, 22379), (861, 22490), (907, 22643),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 102

Candidate Starts for Paries_37:

(94, 31391), (Start: 102 @31409 has 86 MA's), (Start: 126 @31445 has 1 MA's), (231, 31583), (272, 31679), (275, 31688), (297, 31757), (315, 31808), (333, 31853), (339, 31868), (377, 31949), (397, 31994), (399, 32003), (453, 32093), (467, 32123), (472, 32138), (480, 32162), (496, 32192), (558, 32297), (609, 32414), (616, 32432), (620, 32447), (648, 32477), (652, 32489), (653, 32492), (660, 32519), (794, 32840), (795, 32843), (796, 32846), (811, 32894), (824, 32921), (833, 32948), (859, 33002), (864, 33026), (865, 33029), (890, 33119), (907, 33167),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 151

Candidate Starts for Parliament_26:

(Start: 151 @21181 has 225 MA's), (Start: 167 @21202 has 5 MA's), (Start: 195 @21244 has 1 MA's), (228, 21289), (315, 21505), (333, 21550), (336, 21559), (377, 21649), (378, 21652), (389, 21676), (416, 21745), (476, 21847), (510, 21916), (589, 22105), (593, 22117), (594, 22120), (601, 22141), (652, 22237), (653, 22240), (655, 22246), (679, 22315), (684, 22333), (686, 22342), (697, 22372), (731, 22468), (747, 22501), (753, 22516), (795, 22657), (813, 22714), (861, 22825),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Parmesanjohn_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 172

Candidate Starts for Partridge_23:

(Start: 163 @16367 has 3 MA's), (Start: 172 @16382 has 32 MA's), (223, 16451), (241, 16487), (315, 16673), (368, 16802), (389, 16844), (397, 16862), (399, 16871), (Start: 407 @16895 has 1 MA's), (416, 16913), (441, 16943), (451, 16958), (453, 16961), (470, 17000), (476, 17009), (514, 17093), (587, 17210), (594, 17234), (652, 17348), (679, 17426), (689, 17465), (692, 17477), (698, 17486), (718, 17507), (753, 17585), (809, 17732), (853, 17831), (859, 17846), (906, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 151

Candidate Starts for PascalRango_26:

(Start: 151 @20874 has 225 MA's), (Start: 167 @20895 has 5 MA's), (Start: 195 @20937 has 1 MA's), (228, 20982), (315, 21198), (333, 21243), (336, 21252), (353, 21291), (377, 21342), (378, 21345), (416, 21438), (476, 21540), (510, 21609), (593, 21810), (594, 21813), (601, 21834), (652, 21930), (653, 21933), (655, 21939), (679, 22008), (684, 22026), (686, 22035), (697, 22065), (731, 22161), (747, 22194), (753, 22209), (795, 22350), (813, 22407), (861, 22518),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 134

Candidate Starts for Pat3_23:

(Start: 134 @18472 has 130 MA's), (Start: 196 @18556 has 48 MA's), (Start: 246 @18634 has 1 MA's), (280, 18721), (286, 18736), (305, 18784), (320, 18823), (361, 18910), (377, 18943), (394, 18979), (402, 19009), (405, 19015), (458, 19084), (477, 19114), (481, 19126), (482, 19129), (512, 19186), (575, 19318), (578, 19324), (602, 19390), (604, 19396), (612, 19420), (628, 19468), (642, 19492), (647, 19501), (672, 19576), (721, 19627), (726, 19642), (786, 19804), (792, 19831), (801, 19861), (843, 19966), (879, 20044), (886, 20080), (889, 20089), (899, 20122), (906, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 170

Candidate Starts for Patio_44:

(Start: 170 @30694 has 41 MA's), (Start: 246 @30811 has 1 MA's), (273, 30889), (338, 31051), (343, 31063), (347, 31078), (381, 31144), (388, 31159), (435, 31270), (454, 31300), (456, 31303), (501, 31360), (518, 31408), (525, 31432), (587, 31537), (626, 31624), (652, 31672), (717, 31798), (718, 31801), (731, 31834), (752, 31861), (763, 31891), (801, 32020), (813, 32059), (865, 32164), (884, 32227), (886, 32239), (890, 32251), (892, 32260), (905, 32296),

Gene: PatoPoderoso_16 Start: 14843, Stop: 16552, Start Num: 129

Candidate Starts for PatoPoderoso_16:

(Start: 129 @14843 has 222 MA's), (199, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (283, 15104), (286, 15110), (292, 15128), (305, 15158), (350, 15263), (379, 15323), (389, 15344), (394, 15353), (399, 15371), (401, 15377), (475, 15503), (480, 15518), (482, 15524), (504, 15560), (506, 15563), (511, 15575), (512, 15581), (526, 15629), (531, 15641), (535, 15647), (574, 15707), (579, 15719), (593, 15755), (597, 15767), (624, 15842), (628, 15851), (638, 15869), (642, 15875), (652, 15905), (718, 16010), (721, 16019), (722, 16022), (738, 16058), (766, 16136), (794, 16235), (801, 16256), (811, 16289), (826, 16319), (835, 16349), (841, 16358), (844, 16364), (859, 16379), (860, 16382), (865, 16406), (876, 16436), (881, 16448), (886, 16478), (899, 16520),

Gene: PatriciaStar_18 Start: 16850, Stop: 18544, Start Num: 154

Candidate Starts for PatriciaStar_18:

(119, 16808), (Start: 126 @16820 has 1 MA's), (Start: 154 @16850 has 7 MA's), (231, 16952), (253, 17003), (275, 17060), (290, 17111), (317, 17189), (319, 17195), (388, 17345), (453, 17468), (455, 17471), (477, 17528), (494, 17564), (513, 17606), (547, 17648), (571, 17702), (597, 17765), (684, 17963), (713, 18038), (736, 18080), (755, 18125), (795, 18221), (796, 18224), (863, 18398), (864, 18404), (890, 18491), (906, 18536),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 118

Candidate Starts for Patt_24:

(Start: 95 @18325 has 1 MA's), (Start: 111 @18355 has 26 MA's), (Start: 116 @18361 has 42 MA's), (Start: 118 @18364 has 152 MA's), (Start: 171 @18421 has 8 MA's), (205, 18469), (Start: 233 @18508 has 2 MA's), (238, 18523), (Start: 246 @18541 has 1 MA's), (262, 18574), (273, 18604), (288, 18649), (294, 18667), (317, 18739), (319, 18745), (333, 18775), (334, 18778), (361, 18841), (365, 18853), (420, 18988), (455, 19036), (459, 19042), (467, 19060), (477, 19090), (496, 19129), (574, 19255), (597, 19315), (598, 19318), (610, 19351), (669, 19519), (686, 19573), (718, 19618), (739, 19663), (749, 19687), (761, 19720), (773, 19753), (776, 19762), (792, 19825), (795, 19837), (811, 19888), (813, 19894), (864, 19996), (900, 20122), (910, 20143),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 151

Candidate Starts for PattyP_29:

(Start: 151 @21382 has 225 MA's), (Start: 167 @21403 has 5 MA's), (Start: 195 @21445 has 1 MA's), (228, 21490), (315, 21706), (333, 21751), (336, 21760), (353, 21799), (377, 21850), (378, 21853), (476, 22048), (510, 22117), (593, 22318), (594, 22321), (601, 22342), (652, 22438), (653, 22441), (655, 22447), (679, 22516), (684, 22534), (686, 22543), (697, 22573), (731, 22669), (747, 22702), (753, 22717), (795, 22858), (813, 22915), (861, 23026),

Gene: Pawn_29 Start: 20460, Stop: 22256, Start Num: 149

Candidate Starts for Pawn_29:

(Start: 149 @20460 has 636 MA's), (Start: 195 @20517 has 1 MA's), (205, 20532), (238, 20586), (245, 20601), (280, 20688), (284, 20700), (285, 20703), (315, 20778), (319, 20793), (428, 21036), (510, 21189), (542, 21276), (587, 21369), (593, 21390), (601, 21414), (606, 21426), (609, 21432), (653, 21513), (679, 21588), (684, 21606), (686, 21615), (692, 21639), (697, 21645), (700, 21660), (706, 21684), (730, 21738), (731, 21741), (744, 21762), (859, 22092), (861, 22098), (899, 22233),

Gene: Payneful_27 Start: 20630, Stop: 22432, Start Num: 151

Candidate Starts for Payneful_27:

(Start: 151 @20630 has 225 MA's), (Start: 167 @20651 has 5 MA's), (Start: 195 @20693 has 1 MA's), (228, 20738), (315, 20954), (333, 20999), (336, 21008), (353, 21047), (377, 21098), (378, 21101), (476, 21296), (510, 21365), (593, 21566), (594, 21569), (601, 21590), (652, 21686), (653, 21689), (655, 21695), (679, 21764), (684, 21782), (686, 21791), (697, 21821), (731, 21917), (747, 21950), (753, 21965), (795, 22106), (813, 22163), (861, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 149

Candidate Starts for PeaceMeal1_26:

(Start: 128 @17866 has 37 MA's), (Start: 149 @17890 has 636 MA's), (Start: 195 @17947 has 1 MA's), (205, 17962), (238, 18016), (284, 18130), (285, 18133), (315, 18208), (331, 18247), (389, 18379), (428, 18466), (470, 18541), (487, 18580), (510, 18619), (542, 18706), (560, 18751), (593, 18820), (601, 18844), (606, 18856), (609, 18862), (684, 19036), (686, 19045), (692, 19069), (697, 19075), (700, 19090), (718, 19123), (744, 19174), (763, 19231), (764, 19237), (813, 19399), (859, 19504), (861, 19510), (862, 19519), (899, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 149

Candidate Starts for Peaches_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19883 has 1 MA's), (Start: 233 @19937 has 2 MA's), (238, 19952), (Start: 246 @19970 has 1 MA's), (280, 20054), (284, 20066), (285, 20069), (315, 20144), (319, 20159), (336, 20198), (389, 20315), (428, 20402), (472, 20483), (499, 20531), (510, 20555), (542, 20642), (560, 20687), (594, 20759), (601, 20780), (609, 20798), (653, 20879), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (702, 21035), (731, 21089), (744, 21110), (761, 21161), (770, 21185), (786, 21239), (813, 21335), (859, 21440), (862, 21455), (893, 21563), (899, 21581),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Peanam_23:

(Start: 111 @16505 has 26 MA's), (Start: 118 @16514 has 152 MA's), (Start: 121 @16520 has 18 MA's), (143, 16544), (Start: 171 @16583 has 8 MA's), (Start: 233 @16670 has 2 MA's), (238, 16685), (Start: 246 @16703 has 1 MA's), (262, 16736), (273, 16766), (317, 16901), (333, 16937), (365, 17015), (369, 17024), (412, 17129), (413, 17132), (428, 17171), (455, 17198), (459, 17204), (475, 17246), (477, 17252), (487, 17279), (574, 17417), (582, 17435), (614, 17525), (628, 17552), (647, 17585), (669, 17657), (686, 17711), (715, 17747), (723, 17771), (749, 17816), (761, 17849), (765, 17864), (773, 17882), (776, 17891), (795, 17966), (811, 18017), (813, 18023), (864, 18125), (900, 18251), (901, 18254), (910, 18272),

Gene: PeanutPie_19 Start: 16392, Stop: 18128, Start Num: 122

Candidate Starts for PeanutPie_19:

(Start: 107 @16368 has 2 MA's), (Start: 122 @16392 has 48 MA's), (Start: 170 @16452 has 41 MA's), (183, 16473), (185, 16476), (260, 16596), (274, 16635), (284, 16668), (294, 16692), (344, 16812), (361, 16851), (363, 16857), (399, 16941), (401, 16947), (405, 16959), (413, 16983), (442, 17010), (458, 17028), (473, 17067), (475, 17073), (483, 17097), (512, 17151), (516, 17163), (518, 17172), (545, 17232), (583, 17310), (597, 17349), (609, 17382), (628, 17448), (636, 17463), (642, 17472), (650, 17496), (660, 17526), (667, 17538), (733, 17640), (741, 17652), (744, 17655), (746, 17661), (748, 17670), (784, 17778), (807, 17862), (852, 17961), (889, 18069), (906, 18117),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Peeb_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (205, 16739), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Peel_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 151

Candidate Starts for Pelly_28:

(Start: 151 @21801 has 225 MA's), (Start: 167 @21822 has 5 MA's), (Start: 195 @21864 has 1 MA's), (228, 21909), (315, 22125), (333, 22170), (336, 22179), (353, 22218), (377, 22269), (378, 22272), (476, 22467), (510, 22536), (593, 22737), (594, 22740), (601, 22761), (652, 22857), (653, 22860), (655, 22866), (679, 22935), (684, 22953), (686, 22962), (697, 22992), (731, 23088), (747, 23121), (753, 23136), (763, 23166), (795, 23277), (813, 23334), (861, 23445),

Gene: Pemberton_45 Start: 27895, Stop: 29499, Start Num: 178

Candidate Starts for Pemberton_45:

(Start: 170 @27883 has 41 MA's), (Start: 176 @27892 has 1 MA's), (Start: 178 @27895 has 57 MA's), (Start: 200 @27919 has 1 MA's), (Start: 246 @27997 has 1 MA's), (315, 28180), (338, 28237), (343, 28249), (347, 28264), (381, 28330), (388, 28345), (399, 28369), (435, 28456), (438, 28462), (454, 28486), (501, 28546), (513, 28576), (519, 28597), (576, 28702), (587, 28723), (626, 28810), (652, 28858), (717, 28984), (731, 29020), (794, 29185), (800, 29203), (811, 29239), (884, 29413), (886,

29425), (905, 29482),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 149

Candidate Starts for Pembroke_29:

(Start: 149 @20380 has 636 MA's), (Start: 195 @20437 has 1 MA's), (205, 20452), (231, 20485), (238, 20506), (245, 20521), (280, 20608), (284, 20620), (285, 20623), (315, 20698), (319, 20713), (335, 20749), (428, 20956), (487, 21070), (510, 21109), (542, 21196), (593, 21310), (601, 21334), (609, 21352), (653, 21433), (679, 21508), (684, 21526), (692, 21559), (697, 21565), (706, 21604), (730, 21658), (731, 21661), (744, 21682), (763, 21739), (813, 21907), (859, 22012), (861, 22018), (899, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for Penny1_29:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 151

Candidate Starts for Pepe_28:

(Start: 151 @21983 has 225 MA's), (Start: 167 @22004 has 5 MA's), (Start: 195 @22046 has 1 MA's), (228, 22091), (315, 22307), (333, 22352), (336, 22361), (353, 22400), (377, 22451), (378, 22454), (476, 22649), (510, 22718), (593, 22919), (594, 22922), (601, 22943), (652, 23039), (653, 23042), (655, 23048), (679, 23117), (684, 23135), (686, 23144), (697, 23174), (731, 23270), (747, 23303), (753, 23318), (795, 23459), (813, 23516), (861, 23627),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 179

Candidate Starts for Pepperoni_17:

(Start: 91 @14879 has 1 MA's), (Start: 179 @15014 has 33 MA's), (271, 15203), (272, 15206), (295, 15281), (319, 15335), (347, 15404), (388, 15494), (389, 15497), (444, 15629), (471, 15683), (509, 15764), (526, 15824), (528, 15830), (588, 15911), (626, 15989), (637, 16007), (654, 16046), (679, 16118), (681, 16121), (685, 16142), (792, 16376), (796, 16391), (809, 16433), (847, 16526), (849, 16529), (864, 16577), (873, 16607),

Gene: Peridot_18 Start: 14615, Stop: 16324, Start Num: 129

Candidate Starts for Peridot_18:

(Start: 129 @14615 has 222 MA's), (199, 14702), (Start: 233 @14747 has 2 MA's), (242, 14771), (283, 14876), (286, 14882), (292, 14900), (305, 14930), (350, 15035), (379, 15095), (389, 15116), (394, 15125), (401, 15149), (475, 15275), (480, 15290), (482, 15296), (504, 15332), (506, 15335), (511, 15347), (512, 15353), (526, 15401), (531, 15413), (535, 15419), (574, 15479), (579, 15491), (593, 15527), (597, 15539), (624, 15614), (628, 15623), (638, 15641), (642, 15647), (652, 15677), (718, 15782), (721, 15791), (722, 15794), (738, 15830), (766, 15908), (794, 16007), (801, 16028), (811, 16061), (826, 16091), (835, 16121), (841, 16130), (844, 16136), (859, 16151), (860, 16154), (865, 16178), (876, 16208), (881, 16220), (886, 16250), (899, 16292),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Periodt_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722,

17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 149

Candidate Starts for Periwinkle_22:

(119, 16854), (Start: 149 @16893 has 636 MA's), (Start: 156 @16905 has 1 MA's), (Start: 215 @16983 has 57 MA's), (231, 17004), (253, 17052), (257, 17061), (273, 17103), (284, 17139), (304, 17196), (311, 17217), (319, 17244), (332, 17271), (389, 17400), (416, 17469), (427, 17487), (436, 17496), (441, 17502), (467, 17550), (477, 17580), (494, 17616), (499, 17622), (509, 17643), (510, 17646), (525, 17697), (555, 17727), (571, 17754), (584, 17781), (611, 17853), (637, 17892), (663, 17946), (678, 17988), (701, 18063), (736, 18126), (748, 18153), (749, 18156), (755, 18171), (792, 18255), (794, 18264), (795, 18267), (797, 18273), (801, 18285), (803, 18288), (812, 18318), (814, 18324), (824, 18345), (826, 18348), (849, 18402), (861, 18432), (862, 18441), (878, 18492), (886, 18525), (890, 18537), (895, 18555),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 149

Candidate Starts for Perplexer_27:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 153 @19829 has 10 MA's), (Start: 195 @19883 has 1 MA's), (238, 19952), (273, 20030), (280, 20054), (285, 20069), (302, 20105), (315, 20144), (319, 20159), (378, 20291), (389, 20315), (428, 20402), (487, 20516), (510, 20555), (542, 20642), (560, 20687), (593, 20756), (601, 20780), (606, 20792), (653, 20879), (679, 20954), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (700, 21026), (712, 21059), (730, 21104), (731, 21107), (744, 21128), (813, 21353), (849, 21431), (859, 21458), (861, 21464), (899, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 151

Candidate Starts for Perseus_28:

(Start: 151 @21723 has 225 MA's), (Start: 167 @21744 has 5 MA's), (Start: 195 @21786 has 1 MA's), (228, 21831), (315, 22047), (333, 22092), (336, 22101), (353, 22140), (377, 22191), (378, 22194), (405, 22263), (476, 22389), (510, 22458), (593, 22659), (594, 22662), (601, 22683), (652, 22779), (653, 22782), (655, 22788), (679, 22857), (684, 22875), (686, 22884), (697, 22914), (731, 23010), (747, 23043), (753, 23058), (795, 23199), (813, 23256), (861, 23367), (907, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for PeterPeter_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (361, 20256), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Petersenfast_27 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Petersenfast_27:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (361, 21175), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 151

Candidate Starts for Peterson_30:

(Start: 151 @23011 has 225 MA's), (Start: 167 @23032 has 5 MA's), (Start: 195 @23074 has 1 MA's), (228, 23119), (315, 23335), (333, 23380), (336, 23389), (353, 23428), (377, 23479), (378, 23482), (389, 23506), (476, 23677), (510, 23746), (589, 23935), (593, 23947), (594, 23950), (601, 23971), (652, 24067), (653, 24070), (655, 24076), (679, 24145), (684, 24163), (686, 24172), (697, 24202), (731, 24298), (747, 24331), (753, 24346), (795, 24487), (813, 24544), (861, 24655), (907, 24808),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 171

Candidate Starts for PeteyPab_33:

(Start: 171 @29327 has 8 MA's), (249, 29426), (273, 29495), (285, 29534), (336, 29669), (363, 29729), (438, 29882), (446, 29894), (452, 29903), (454, 29906), (492, 29951), (501, 29966), (506, 29975), (510, 29984), (525, 30038), (533, 30056), (570, 30110), (666, 30326), (722, 30419), (774, 30527), (788, 30581), (810, 30656), (866, 30785), (904, 30911),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 149

Candidate Starts for PetiteSangsue_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 153 @19832 has 10 MA's), (Start: 195 @19886 has 1 MA's), (238, 19955), (280, 20057), (285, 20072), (302, 20108), (315, 20147), (319, 20162), (336, 20201), (378, 20294), (389, 20318), (428, 20405), (487, 20519), (510, 20558), (542, 20645), (560, 20690), (593, 20759), (601, 20783), (606, 20795), (653, 20882), (679, 20957), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (700, 21029), (712, 21062), (730, 21107), (731, 21110), (744, 21131), (813, 21356), (849, 21434), (859, 21461), (861, 21467), (899, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 151

Candidate Starts for Petp2012_29:

(Start: 151 @22053 has 225 MA's), (Start: 167 @22074 has 5 MA's), (Start: 195 @22116 has 1 MA's), (228, 22161), (315, 22377), (333, 22422), (336, 22431), (353, 22470), (377, 22521), (378, 22524), (476, 22719), (510, 22788), (593, 22989), (594, 22992), (601, 23013), (652, 23109), (653, 23112), (655, 23118), (679, 23187), (684, 23205), (686, 23214), (697, 23244), (731, 23340), (747, 23373), (753, 23388), (795, 23529), (813, 23586), (861, 23697),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 215

Candidate Starts for Petra_21:

(187, 17015), (Start: 215 @17051 has 57 MA's), (266, 17153), (296, 17231), (326, 17303), (340, 17330), (357, 17369), (382, 17429), (392, 17450), (410, 17504), (415, 17519), (447, 17552), (471, 17600), (472, 17603), (512, 17690), (521, 17720), (604, 17903), (612, 17927), (643, 18011), (659, 18071), (664, 18083), (713, 18143), (763, 18278), (792, 18377), (797, 18395), (813, 18446), (838, 18506), (842, 18512), (871, 18575), (876, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 196

Candidate Starts for Petra64142_26:

(Start: 134 @20206 has 130 MA's), (Start: 196 @20290 has 48 MA's), (Start: 246 @20368 has 1 MA's), (280, 20455), (286, 20470), (305, 20518), (320, 20557), (361, 20644), (377, 20677), (394, 20713), (402, 20743), (405, 20749), (458, 20818), (477, 20848), (481, 20860), (482, 20863), (512, 20920), (575, 21052), (578, 21058), (602, 21124), (604, 21130), (612, 21154), (628, 21202), (642, 21226), (647, 21235), (672, 21310), (721, 21361), (726, 21376), (786, 21538), (792, 21565), (801, 21595), (843, 21700), (879, 21778), (886, 21814), (889, 21823), (899, 21856), (906, 21871),

Gene: Petruchio_28 Start: 21511, Stop: 23313, Start Num: 151

Candidate Starts for Petruchio_28:

(Start: 151 @21511 has 225 MA's), (Start: 167 @21532 has 5 MA's), (Start: 195 @21574 has 1 MA's), (228, 21619), (315, 21835), (333, 21880), (336, 21889), (353, 21928), (377, 21979), (378, 21982), (476, 22177), (510, 22246), (593, 22447), (594, 22450), (601, 22471), (652, 22567), (653, 22570), (679, 22645), (684, 22663), (686, 22672), (697, 22702), (731, 22798), (747, 22831), (753, 22846), (763, 22876), (795, 22987), (813, 23044), (861, 23155),

Gene: PetterN_25 Start: 18946, Stop: 20745, Start Num: 149

Candidate Starts for PetterN_25:

(Start: 149 @18946 has 636 MA's), (285, 19183), (315, 19258), (319, 19273), (335, 19309), (366, 19381), (373, 19396), (389, 19429), (393, 19435), (487, 19630), (506, 19660), (509, 19666), (542, 19756), (560, 19801), (593, 19870), (609, 19912), (615, 19930), (652, 19990), (653, 19993), (684, 20086), (730, 20227), (747, 20263), (749, 20269), (858, 20578), (861, 20587), (899, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 149

Candidate Starts for Ph8s_29:

(98, 18853), (Start: 128 @18895 has 37 MA's), (Start: 149 @18919 has 636 MA's), (190, 18964), (202, 18979), (255, 19072), (284, 19153), (285, 19156), (314, 19228), (315, 19231), (319, 19246), (336, 19285), (339, 19291), (389, 19402), (393, 19408), (401, 19435), (428, 19489), (472, 19570), (542, 19729), (553, 19759), (596, 19852), (609, 19885), (639, 19936), (653, 19966), (692, 20092), (721, 20173), (726, 20182), (747, 20227), (753, 20242), (761, 20266), (785, 20341), (786, 20344), (788, 20356), (813, 20440), (859, 20545), (876, 20605), (899, 20686),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 149

Candidate Starts for Phabuloso_20:

(119, 16383), (Start: 149 @16422 has 636 MA's), (Start: 156 @16434 has 1 MA's), (185, 16473), (Start: 215 @16512 has 57 MA's), (231, 16533), (253, 16581), (257, 16590), (273, 16632), (284, 16668), (304, 16725), (319, 16773), (332, 16800), (395, 16941), (416, 16998), (427, 17016), (436, 17025), (441, 17031), (477, 17109), (494, 17145), (499, 17151), (509, 17172), (510, 17175), (525, 17226), (554, 17253), (555, 17256), (571, 17283), (584, 17310), (611, 17382), (637, 17421), (663, 17475), (678, 17517), (701, 17592), (736, 17655), (748, 17682), (749, 17685), (755, 17700), (792, 17784), (794, 17793), (795, 17796), (797, 17802), (801, 17814), (803, 17817), (812, 17847), (814, 17853), (824, 17874), (826, 17877), (849, 17931), (861, 17961), (862, 17970), (878, 18021), (886, 18054), (890, 18066), (895, 18084),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 149

Candidate Starts for Phacado_27:

(Start: 128 @19802 has 37 MA's), (Start: 149 @19826 has 636 MA's), (Start: 195 @19883 has 1 MA's), (Start: 233 @19937 has 2 MA's), (238, 19952), (Start: 246 @19970 has 1 MA's), (280, 20054), (284, 20066), (285, 20069), (315, 20144), (319, 20159), (336, 20198), (389, 20315), (428, 20402), (472, 20483), (499, 20531), (510, 20555), (542, 20642), (560, 20687), (594, 20759), (601, 20780), (609, 20798), (653, 20879), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (702, 21035), (731, 21089), (744, 21110), (761, 21161), (770, 21185), (786, 21239), (813, 21335), (859, 21440), (862, 21455), (893, 21563), (899, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 149

Candidate Starts for Phaded_31:

(Start: 128 @22111 has 37 MA's), (Start: 149 @22135 has 636 MA's), (245, 22270), (255, 22288), (284, 22369), (285, 22372), (314, 22444), (315, 22447), (361, 22558), (373, 22585), (389, 22618), (405, 22663), (428, 22705), (476, 22789), (542, 22945), (554, 22978), (648, 23167), (653, 23182), (692, 23308), (697, 23314), (747, 23425), (753, 23440), (755, 23446), (761, 23464), (774, 23500), (785, 23539), (788, 23554), (813, 23638), (859, 23743), (861, 23749), (864, 23767), (872, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 146

Candidate Starts for Phaeder_30:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (706, 22967), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 172

Candidate Starts for PhailMary_22:

(Start: 163 @16656 has 3 MA's), (Start: 172 @16671 has 32 MA's), (223, 16740), (241, 16776), (315, 16962), (368, 17091), (389, 17133), (397, 17151), (399, 17160), (Start: 407 @17184 has 1 MA's), (416, 17202), (441, 17232), (451, 17247), (453, 17250), (470, 17289), (476, 17298), (514, 17382), (553, 17436), (560, 17451), (587, 17499), (594, 17523), (652, 17637), (679, 17715), (689, 17754), (692, 17766), (698, 17775), (718, 17796), (753, 17874), (809, 18021), (853, 18120), (859, 18135), (906, 18288),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 196

Candidate Starts for Phaja_24:

(Start: 134 @19922 has 130 MA's), (Start: 196 @20006 has 48 MA's), (Start: 246 @20084 has 1 MA's), (280, 20171), (286, 20186), (305, 20234), (320, 20273), (361, 20360), (377, 20393), (394, 20429), (402, 20459), (405, 20465), (458, 20534), (477, 20564), (481, 20576), (482, 20579), (512, 20636), (575, 20768), (578, 20774), (602, 20840), (604, 20846), (612, 20870), (628, 20918), (642, 20942), (647, 20951), (672, 21026), (721, 21077), (726, 21092), (786, 21254), (792, 21281), (801, 21311), (843, 21416), (879, 21494), (886, 21530), (889, 21539), (899, 21572), (906, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Phalconet_16:

(Start: 129 @14857 has 222 MA's), (199, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (283, 15118), (286, 15124), (292, 15142), (305, 15172), (350, 15277), (379, 15337), (389, 15358), (394, 15367), (401, 15391), (475, 15517), (480, 15532), (482, 15538), (504, 15574), (506, 15577), (511, 15589), (512, 15595), (526, 15643), (531, 15655), (535, 15661), (574, 15721), (579, 15733), (593, 15769), (597, 15781), (624, 15856), (628, 15865), (638, 15883), (642, 15889), (652, 15919), (718, 16024), (721, 16033), (722, 16036), (738, 16072), (766, 16150), (794, 16249), (801, 16270), (811, 16303), (835, 16363), (841, 16372), (844, 16378), (859, 16393), (860, 16396), (865, 16420), (876, 16450), (881, 16462), (886, 16492), (899, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for Phalm_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891), (458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for PhancyPhin_18:

(Start: 134 @14990 has 130 MA's), (155, 15017), (183, 15056), (Start: 233 @15122 has 2 MA's), (237, 15134), (254, 15170), (264, 15194), (274, 15221), (280, 15242), (283, 15251), (286, 15257), (301, 15290), (376, 15464), (379, 15470), (383, 15479), (388, 15488), (394, 15500), (401, 15524), (415, 15566), (453, 15599), (475, 15650), (476, 15653), (480, 15665), (504, 15707), (511, 15722), (512,

15728), (526, 15776), (554, 15830), (574, 15854), (601, 15926), (618, 15980), (624, 15989), (628, 15998), (642, 16022), (651, 16049), (652, 16052), (718, 16157), (721, 16166), (738, 16205), (768, 16286), (785, 16343), (794, 16382), (835, 16496), (859, 16526), (860, 16529), (865, 16553), (879, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 129

Candidate Starts for Phanphagia_16:

(Start: 129 @14859 has 222 MA's), (199, 14946), (Start: 233 @14991 has 2 MA's), (242, 15015), (283, 15120), (286, 15126), (292, 15144), (305, 15174), (350, 15279), (379, 15339), (389, 15360), (394, 15369), (401, 15393), (453, 15468), (455, 15471), (475, 15519), (480, 15534), (482, 15540), (504, 15576), (506, 15579), (511, 15591), (512, 15597), (526, 15645), (531, 15657), (535, 15663), (574, 15723), (579, 15735), (593, 15771), (597, 15783), (624, 15858), (628, 15867), (638, 15885), (642, 15891), (652, 15921), (718, 16026), (721, 16035), (722, 16038), (738, 16074), (766, 16152), (794, 16251), (801, 16272), (811, 16305), (826, 16335), (835, 16365), (841, 16374), (844, 16380), (859, 16395), (860, 16398), (865, 16422), (876, 16452), (881, 16464), (886, 16494), (899, 16536),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 149

Candidate Starts for Phantastic_27:

(Start: 149 @19872 has 636 MA's), (Start: 195 @19929 has 1 MA's), (238, 19998), (280, 20100), (284, 20112), (285, 20115), (315, 20190), (336, 20244), (397, 20379), (428, 20448), (487, 20562), (542, 20688), (593, 20802), (601, 20826), (609, 20844), (653, 20925), (679, 21000), (684, 21018), (686, 21027), (697, 21057), (700, 21072), (706, 21096), (712, 21105), (730, 21150), (731, 21153), (744, 21174), (747, 21186), (813, 21399), (826, 21423), (859, 21504), (861, 21510), (899, 21645),

Gene: PhaoMing_17 Start: 15617, Stop: 17380, Start Num: 123

Candidate Starts for PhaoMing_17:

(119, 15608), (Start: 123 @15617 has 8 MA's), (189, 15704), (Start: 215 @15740 has 57 MA's), (244, 15791), (254, 15815), (257, 15821), (269, 15881), (273, 15896), (297, 15971), (301, 15977), (325, 16046), (339, 16076), (347, 16103), (353, 16109), (364, 16139), (373, 16157), (387, 16184), (391, 16193), (397, 16208), (398, 16214), (408, 16244), (437, 16286), (453, 16307), (457, 16313), (461, 16325), (489, 16391), (506, 16418), (508, 16421), (579, 16547), (601, 16607), (615, 16643), (652, 16703), (653, 16706), (658, 16724), (660, 16733), (684, 16799), (740, 16922), (753, 16955), (758, 16970), (767, 16979), (787, 17027), (795, 17057), (813, 17114), (815, 17117), (818, 17126), (835, 17168), (859, 17213), (861, 17219), (866, 17243), (868, 17249), (875, 17270), (889, 17324), (896, 17348), (901, 17366), (907, 17375),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 149

Candidate Starts for Pharaoh_28:

(Start: 128 @21232 has 37 MA's), (Start: 149 @21256 has 636 MA's), (255, 21409), (257, 21412), (284, 21490), (285, 21493), (294, 21523), (314, 21565), (315, 21568), (319, 21583), (336, 21622), (339, 21628), (361, 21679), (389, 21739), (401, 21772), (428, 21826), (472, 21907), (476, 21910), (533, 22054), (553, 22096), (609, 22222), (653, 22303), (692, 22429), (705, 22471), (731, 22531), (747, 22564), (753, 22579), (755, 22585), (774, 22639), (785, 22678), (788, 22693), (813, 22777), (861, 22888), (872, 22933), (899, 23023),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 118

Candidate Starts for Pharb_22:

(Start: 111 @17418 has 26 MA's), (Start: 116 @17424 has 42 MA's), (Start: 118 @17427 has 152 MA's), (Start: 137 @17439 has 56 MA's), (204, 17529), (238, 17586), (262, 17637), (273, 17667), (280, 17691), (369, 17931), (377, 17943), (413, 18039), (445, 18093), (459, 18111), (477, 18159), (496, 18198), (512, 18234), (597, 18384), (598, 18387), (609, 18417), (635, 18474), (669, 18567), (686, 18621), (721, 18675), (744, 18705), (749, 18723), (765, 18771), (775, 18795), (782, 18822), (797, 18879), (811, 18924), (862, 19026), (889, 19122), (895, 19143), (900, 19161), (903, 19167), (910,

19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 134

Candidate Starts for Pharsalus_25:

(Start: 134 @20526 has 130 MA's), (Start: 196 @20610 has 48 MA's), (Start: 246 @20688 has 1 MA's), (280, 20775), (286, 20790), (305, 20838), (320, 20877), (361, 20964), (377, 20997), (394, 21033), (402, 21063), (405, 21069), (458, 21138), (477, 21168), (481, 21180), (482, 21183), (512, 21240), (575, 21372), (578, 21378), (602, 21444), (604, 21450), (612, 21474), (628, 21522), (642, 21546), (647, 21555), (672, 21630), (721, 21681), (726, 21696), (786, 21858), (792, 21885), (801, 21915), (843, 22020), (879, 22098), (886, 22134), (889, 22143), (899, 22176), (906, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 129

Candidate Starts for Phasih_17:

(Start: 129 @15342 has 222 MA's), (199, 15429), (Start: 233 @15474 has 2 MA's), (242, 15498), (283, 15603), (286, 15609), (292, 15627), (305, 15657), (350, 15762), (376, 15816), (379, 15822), (383, 15831), (389, 15843), (394, 15852), (401, 15876), (413, 15912), (415, 15918), (427, 15930), (453, 15951), (455, 15954), (460, 15963), (467, 15978), (469, 15984), (475, 16002), (480, 16017), (482, 16023), (490, 16041), (493, 16044), (504, 16059), (511, 16074), (512, 16080), (521, 16110), (526, 16128), (531, 16140), (535, 16146), (574, 16206), (579, 16218), (593, 16254), (597, 16266), (604, 16287), (624, 16341), (628, 16350), (642, 16374), (652, 16404), (718, 16509), (722, 16521), (738, 16557), (754, 16596), (766, 16635), (794, 16734), (801, 16755), (811, 16788), (826, 16818), (835, 16848), (841, 16857), (844, 16863), (859, 16878), (860, 16881), (864, 16902), (865, 16905), (881, 16947), (886, 16977), (899, 17019), (900, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 134

Candidate Starts for PhatBacter_24:

(Start: 134 @19774 has 130 MA's), (Start: 196 @19858 has 48 MA's), (Start: 246 @19936 has 1 MA's), (280, 20023), (286, 20038), (305, 20086), (320, 20125), (361, 20212), (377, 20245), (394, 20281), (402, 20311), (405, 20317), (458, 20386), (477, 20416), (481, 20428), (482, 20431), (512, 20488), (575, 20620), (578, 20626), (602, 20692), (604, 20698), (612, 20722), (628, 20770), (642, 20794), (647, 20803), (672, 20878), (721, 20929), (726, 20944), (786, 21106), (792, 21133), (801, 21163), (843, 21268), (879, 21346), (886, 21382), (889, 21391), (899, 21424), (906, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 129

Candidate Starts for Phatniss_17:

(Start: 129 @15310 has 222 MA's), (199, 15397), (Start: 233 @15442 has 2 MA's), (242, 15466), (265, 15523), (283, 15571), (286, 15577), (292, 15595), (305, 15625), (350, 15730), (376, 15784), (379, 15790), (383, 15799), (389, 15811), (394, 15820), (401, 15844), (413, 15880), (415, 15886), (427, 15898), (453, 15919), (455, 15922), (460, 15931), (467, 15946), (469, 15952), (475, 15970), (480, 15985), (482, 15991), (490, 16009), (493, 16012), (504, 16027), (511, 16042), (512, 16048), (521, 16078), (526, 16096), (531, 16108), (535, 16114), (574, 16174), (579, 16186), (593, 16222), (597, 16234), (604, 16255), (624, 16309), (628, 16318), (642, 16342), (652, 16372), (718, 16477), (722, 16489), (738, 16525), (754, 16564), (766, 16603), (794, 16702), (801, 16723), (811, 16756), (826, 16786), (835, 16816), (841, 16825), (844, 16831), (859, 16846), (860, 16849), (864, 16870), (865, 16873), (881, 16915), (886, 16945), (899, 16987), (900, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 214

Candidate Starts for Phauci_26:

(Start: 214 @25726 has 22 MA's), (222, 25738), (240, 25771), (244, 25780), (250, 25792), (263, 25822), (305, 25939), (310, 25951), (344, 26026), (370, 26086), (385, 26116), (483, 26323), (502, 26353), (518, 26398), (545, 26458), (574, 26506), (601, 26578), (613, 26611), (614, 26614), (633, 26653), (649, 26692), (678, 26779), (679, 26782), (740, 26860), (762, 26920), (777, 26965), (797, 27046), (815, 27100), (862, 27196), (899, 27325), (906, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 134

Candidate Starts for Phaux_23:

(Start: 134 @19772 has 130 MA's), (Start: 196 @19856 has 48 MA's), (Start: 246 @19934 has 1 MA's), (280, 20021), (286, 20036), (305, 20084), (320, 20123), (361, 20210), (377, 20243), (394, 20279), (402, 20309), (405, 20315), (458, 20384), (477, 20414), (481, 20426), (482, 20429), (512, 20486), (575, 20618), (578, 20624), (602, 20690), (604, 20696), (612, 20720), (628, 20768), (642, 20792), (647, 20801), (672, 20876), (721, 20927), (726, 20942), (786, 21104), (792, 21131), (801, 21161), (843, 21266), (879, 21344), (886, 21380), (889, 21389), (899, 21422), (906, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 122

Candidate Starts for Phayonce_18:

(Start: 122 @16079 has 48 MA's), (183, 16160), (185, 16163), (225, 16214), (227, 16217), (Start: 233 @16226 has 2 MA's), (260, 16283), (274, 16322), (280, 16343), (284, 16355), (292, 16376), (294, 16379), (297, 16385), (344, 16499), (361, 16538), (363, 16544), (409, 16658), (453, 16709), (458, 16715), (473, 16754), (475, 16760), (483, 16784), (512, 16838), (516, 16850), (518, 16859), (545, 16919), (583, 16997), (597, 17036), (628, 17135), (642, 17159), (650, 17183), (660, 17213), (733, 17327), (741, 17339), (746, 17348), (748, 17357), (784, 17465), (834, 17618), (852, 17648), (899, 17789), (906, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 122

Candidate Starts for Phegasus_19:

(Start: 122 @16391 has 48 MA's), (183, 16472), (185, 16475), (225, 16526), (257, 16589), (260, 16595), (274, 16634), (284, 16667), (294, 16691), (344, 16811), (347, 16826), (361, 16850), (363, 16856), (399, 16940), (413, 16982), (453, 17021), (458, 17027), (473, 17066), (475, 17072), (483, 17096), (512, 17150), (518, 17171), (545, 17231), (583, 17309), (597, 17348), (609, 17381), (628, 17447), (642, 17471), (650, 17495), (660, 17525), (667, 17537), (733, 17639), (741, 17651), (744, 17654), (746, 17660), (748, 17669), (784, 17777), (807, 17861), (852, 17960), (876, 18017), (889, 18068), (906, 18116),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Phelipe_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 118

Candidate Starts for PhelpsODU_22:

(Start: 111 @16363 has 26 MA's), (Start: 118 @16372 has 152 MA's), (143, 16402), (238, 16543), (Start: 246 @16561 has 1 MA's), (262, 16594), (273, 16624), (288, 16669), (317, 16759), (333, 16795), (369, 16882), (408, 16975), (412, 16987), (413, 16990), (420, 17008), (428, 17029), (445, 17044), (455, 17056), (459, 17062), (475, 17104), (477, 17110), (582, 17293), (603, 17353), (644, 17437), (649, 17455), (669, 17515), (691, 17590), (718, 17614), (749, 17674), (761, 17707), (762, 17710), (768, 17728), (776, 17749), (795, 17824), (811, 17875), (824, 17902), (862, 17974), (879, 18025), (900, 18109), (901, 18112), (910, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 215

Candidate Starts for Phendrix_87:

(Start: 215 @52198 has 57 MA's), (Start: 220 @52204 has 1 MA's), (263, 52288), (286, 52357), (299, 52387), (301, 52390), (311, 52420), (327, 52459), (402, 52630), (411, 52654), (418, 52672), (428, 52690), (453, 52720), (481, 52786), (482, 52789), (502, 52822), (522, 52879), (526, 52894), (527, 52897), (528, 52900), (573, 52972), (579, 52987), (586, 53002), (593, 53023), (598, 53038), (655, 53182), (660, 53203), (667, 53218), (724, 53296), (736, 53323), (740, 53329), (762, 53389), (777, 53434), (792, 53491), (794, 53500), (801, 53521), (813, 53560), (835, 53614), (862, 53659), (864, 53668),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 151

Candidate Starts for PherrisBueller_28:

(Start: 151 @20966 has 225 MA's), (Start: 167 @20987 has 5 MA's), (Start: 195 @21029 has 1 MA's), (228, 21074), (315, 21290), (333, 21335), (336, 21344), (353, 21383), (377, 21434), (378, 21437), (476, 21632), (510, 21701), (593, 21902), (594, 21905), (601, 21926), (652, 22022), (653, 22025), (655, 22031), (679, 22100), (684, 22118), (686, 22127), (697, 22157), (731, 22253), (747, 22286), (753, 22301), (795, 22442), (813, 22499), (861, 22610), (907, 22763),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 129

Candidate Starts for PhesterPhotato_16:

(Start: 129 @14827 has 222 MA's), (199, 14914), (Start: 233 @14959 has 2 MA's), (242, 14983), (283, 15088), (286, 15094), (292, 15112), (305, 15142), (350, 15247), (379, 15307), (389, 15328), (394, 15337), (401, 15361), (475, 15487), (480, 15502), (482, 15508), (504, 15544), (506, 15547), (511, 15559), (512, 15565), (526, 15613), (531, 15625), (535, 15631), (574, 15691), (579, 15703), (593, 15739), (597, 15751), (624, 15826), (628, 15835), (638, 15853), (642, 15859), (652, 15889), (718, 15994), (721, 16003), (722, 16006), (738, 16042), (766, 16120), (794, 16219), (801, 16240), (811, 16273), (826, 16303), (835, 16333), (841, 16342), (844, 16348), (859, 16363), (860, 16366), (865, 16390), (876, 16420), (881, 16432), (886, 16462), (899, 16504),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 149

Candidate Starts for Phighter1804_27:

(Start: 128 @19781 has 37 MA's), (Start: 149 @19805 has 636 MA's), (Start: 195 @19862 has 1 MA's), (Start: 233 @19916 has 2 MA's), (238, 19931), (Start: 246 @19949 has 1 MA's), (280, 20033), (284, 20045), (285, 20048), (315, 20123), (319, 20138), (336, 20177), (389, 20294), (428, 20381), (472, 20462), (499, 20510), (510, 20534), (542, 20621), (560, 20666), (594, 20738), (601, 20759), (609, 20777), (684, 20951), (686, 20960), (692, 20984), (697, 20990), (702, 21014), (731, 21068), (744, 21089), (761, 21140), (770, 21164), (786, 21218), (813, 21314), (859, 21419), (862, 21434), (893, 21542), (899, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 149

Candidate Starts for Phillis_24:

(Start: 128 @18604 has 37 MA's), (Start: 149 @18628 has 636 MA's), (226, 18721), (Start: 246 @18766 has 1 MA's), (285, 18865), (302, 18901), (315, 18940), (319, 18955), (335, 18991), (389, 19111), (393, 19117), (455, 19237), (514, 19366), (542, 19438), (593, 19552), (684, 19768), (691, 19798), (692, 19801), (731, 19903), (747, 19936), (753, 19951), (763, 19981), (858, 20251), (861, 20260), (862, 20269), (895, 20383),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Philonius_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835,

16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Philus_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (265, 15025), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (376, 15286), (379, 15292), (383, 15301), (394, 15322), (401, 15346), (413, 15382), (415, 15388), (453, 15421), (455, 15424), (460, 15433), (467, 15448), (469, 15454), (475, 15472), (480, 15487), (482, 15493), (490, 15511), (493, 15514), (504, 15529), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (722, 15991), (738, 16027), (766, 16105), (801, 16225), (811, 16258), (826, 16288), (829, 16300), (835, 16318), (839, 16324), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (864, 16372), (865, 16375), (881, 16417), (886, 16447), (899, 16489), (900, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 214

Candidate Starts for Phinally_33:

(Start: 175 @29077 has 1 MA's), (Start: 214 @29134 has 22 MA's), (222, 29146), (240, 29179), (244, 29188), (250, 29200), (263, 29230), (274, 29263), (305, 29347), (310, 29359), (344, 29434), (370, 29494), (385, 29524), (483, 29731), (502, 29761), (517, 29803), (518, 29806), (545, 29866), (574, 29914), (601, 29986), (613, 30019), (614, 30022), (633, 30061), (649, 30100), (678, 30187), (679, 30190), (740, 30268), (762, 30328), (777, 30373), (797, 30454), (815, 30508), (862, 30604), (899, 30733), (906, 30748),

Gene: PhineBark_26 Start: 21857, Stop: 23659, Start Num: 151

Candidate Starts for PhineBark_26:

(Start: 151 @21857 has 225 MA's), (Start: 167 @21878 has 5 MA's), (Start: 195 @21920 has 1 MA's), (228, 21965), (315, 22181), (333, 22226), (336, 22235), (353, 22274), (377, 22325), (378, 22328), (476, 22523), (510, 22592), (593, 22793), (594, 22796), (601, 22817), (652, 22913), (653, 22916), (655, 22922), (679, 22991), (684, 23009), (686, 23018), (697, 23048), (731, 23144), (747, 23177), (753, 23192), (795, 23333), (813, 23390), (861, 23501),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 122

Candidate Starts for Phineas_19:

(Start: 107 @16358 has 2 MA's), (Start: 122 @16382 has 48 MA's), (Start: 170 @16442 has 41 MA's), (183, 16463), (185, 16466), (260, 16586), (274, 16625), (284, 16658), (294, 16682), (344, 16802), (361, 16841), (363, 16847), (399, 16931), (401, 16937), (405, 16949), (413, 16973), (442, 17000), (458, 17018), (473, 17057), (475, 17063), (483, 17087), (512, 17141), (516, 17153), (518, 17162), (545, 17222), (583, 17300), (597, 17339), (609, 17372), (628, 17438), (636, 17453), (642, 17462), (650, 17486), (660, 17516), (667, 17528), (733, 17630), (741, 17642), (744, 17645), (746, 17651), (748, 17660), (784, 17768), (807, 17852), (852, 17951), (889, 18059), (906, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 150

Candidate Starts for PhinkBoden_48:

(Start: 150 @29995 has 17 MA's), (192, 30055), (Start: 214 @30088 has 22 MA's), (234, 30121), (283, 30247), (294, 30280), (299, 30289), (353, 30418), (375, 30466), (512, 30679), (514, 30685), (521, 30709), (587, 30838), (593, 30859), (604, 30892), (672, 31090), (763, 31243), (792, 31342), (795, 31354), (798, 31363), (829, 31447), (887, 31594), (897, 31630), (901, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Phish_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339,

17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 149

Candidate Starts for PhishRPhriends_28:

(Start: 149 @19644 has 636 MA's), (Start: 195 @19701 has 1 MA's), (205, 19716), (238, 19770), (245, 19785), (280, 19872), (284, 19884), (285, 19887), (315, 19962), (319, 19977), (428, 20220), (510, 20373), (542, 20460), (587, 20553), (593, 20574), (601, 20598), (606, 20610), (609, 20616), (653, 20697), (679, 20772), (684, 20790), (686, 20799), (692, 20823), (697, 20829), (700, 20844), (706, 20868), (730, 20922), (731, 20925), (744, 20946), (859, 21276), (861, 21282), (899, 21417),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 174

Candidate Starts for Phishy_22:

(69, 18581), (Start: 91 @18641 has 1 MA's), (148, 18734), (Start: 174 @18770 has 9 MA's), (Start: 181 @18782 has 3 MA's), (251, 18896), (253, 18902), (281, 18980), (308, 19046), (310, 19052), (359, 19163), (363, 19172), (375, 19199), (380, 19208), (390, 19229), (480, 19400), (481, 19403), (514, 19469), (518, 19484), (555, 19568), (567, 19577), (587, 19619), (593, 19640), (610, 19688), (613, 19700), (620, 19727), (650, 19796), (676, 19865), (718, 19898), (744, 19955), (762, 20006), (783, 20075), (808, 20162), (813, 20177), (837, 20234), (843, 20243), (877, 20321), (880, 20327),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 149

Candidate Starts for Phistory_21:

(119, 17161), (Start: 149 @17200 has 636 MA's), (Start: 156 @17212 has 1 MA's), (159, 17215), (185, 17251), (Start: 215 @17290 has 57 MA's), (231, 17311), (249, 17353), (253, 17359), (254, 17362), (260, 17374), (273, 17410), (284, 17446), (304, 17503), (319, 17551), (332, 17578), (377, 17680), (395, 17719), (416, 17776), (427, 17794), (436, 17803), (441, 17809), (467, 17857), (477, 17887), (494, 17923), (499, 17929), (509, 17950), (510, 17953), (525, 18004), (554, 18031), (555, 18034), (571, 18061), (584, 18088), (611, 18160), (637, 18199), (663, 18253), (686, 18325), (701, 18370), (748, 18460), (755, 18478), (792, 18562), (794, 18571), (795, 18574), (797, 18580), (803, 18595), (812, 18625), (814, 18631), (824, 18652), (826, 18655), (849, 18709), (861, 18739), (862, 18748), (878, 18799), (886, 18832), (890, 18844), (895, 18862),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 149

Candidate Starts for Phlei_23:

(Start: 149 @21753 has 636 MA's), (231, 21852), (Start: 233 @21858 has 2 MA's), (Start: 246 @21891 has 1 MA's), (273, 21951), (284, 21987), (285, 21990), (315, 22065), (397, 22254), (428, 22323), (472, 22404), (476, 22407), (506, 22467), (514, 22491), (553, 22587), (594, 22674), (609, 22713), (652, 22788), (717, 22986), (730, 23016), (731, 23019), (753, 23067), (777, 23139), (785, 23166), (813, 23265), (842, 23331), (849, 23343), (859, 23370), (861, 23376), (890, 23481),

Gene: PhlipPhlop_16 Start: 14759, Stop: 16468, Start Num: 129

Candidate Starts for PhlipPhlop_16:

(Start: 129 @14759 has 222 MA's), (199, 14846), (Start: 233 @14891 has 2 MA's), (242, 14915), (283, 15020), (286, 15026), (292, 15044), (305, 15074), (350, 15179), (379, 15239), (388, 15257), (389, 15260), (394, 15269), (401, 15293), (475, 15419), (480, 15434), (482, 15440), (504, 15476), (506, 15479), (511, 15491), (512, 15497), (526, 15545), (531, 15557), (535, 15563), (574, 15623), (579, 15635), (593, 15671), (597, 15683), (624, 15758), (628, 15767), (638, 15785), (642, 15791), (652, 15821), (718, 15926), (722, 15938), (738, 15974), (766, 16052), (801, 16172), (811, 16205), (826, 16235), (829, 16247), (835, 16265), (839, 16271), (841, 16274), (844, 16280), (859, 16295), (860, 16298), (864, 16319), (865, 16322), (881, 16364), (886, 16394), (899, 16436), (900, 16442),

Gene: Phlippers_26 Start: 22182, Stop: 23984, Start Num: 151

Candidate Starts for Phlippers_26:

(Start: 151 @22182 has 225 MA's), (Start: 167 @22203 has 5 MA's), (Start: 195 @22245 has 1 MA's), (228, 22290), (315, 22506), (333, 22551), (336, 22560), (377, 22650), (378, 22653), (416, 22746), (476, 22848), (510, 22917), (589, 23106), (593, 23118), (594, 23121), (601, 23142), (652, 23238), (653, 23241), (655, 23247), (679, 23316), (684, 23334), (686, 23343), (697, 23373), (731, 23469), (747, 23502), (753, 23517), (763, 23547), (795, 23658), (813, 23715), (861, 23826),

Gene: Phloodle_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Phloodle_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 102

Candidate Starts for Phlop_31:

(85, 25903), (Start: 102 @25945 has 86 MA's), (Start: 126 @25981 has 1 MA's), (Start: 153 @26014 has 10 MA's), (274, 26224), (275, 26227), (284, 26257), (307, 26323), (315, 26347), (317, 26356), (332, 26389), (399, 26542), (416, 26581), (453, 26632), (460, 26644), (467, 26662), (471, 26674), (475, 26686), (480, 26701), (496, 26731), (499, 26734), (509, 26755), (554, 26827), (579, 26875), (620, 26986), (649, 27019), (660, 27058), (663, 27061), (686, 27133), (715, 27199), (719, 27211), (795, 27382), (796, 27385), (811, 27433), (824, 27460), (833, 27487), (859, 27541), (890, 27658), (896, 27679), (907, 27706),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 149

Candidate Starts for Phlorence_24:

(Start: 149 @19764 has 636 MA's), (Start: 233 @19869 has 2 MA's), (Start: 246 @19902 has 1 MA's), (285, 20001), (315, 20076), (319, 20091), (335, 20127), (366, 20199), (373, 20214), (389, 20247), (393, 20253), (506, 20478), (509, 20484), (542, 20574), (590, 20679), (593, 20688), (609, 20730), (615, 20748), (652, 20808), (653, 20811), (679, 20886), (684, 20904), (730, 21045), (747, 21081), (813, 21294), (858, 21396), (861, 21405), (892, 21519), (899, 21540), (901, 21549),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Phloss_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 149

Candidate Starts for Phoebe_29:

(Start: 149 @20377 has 636 MA's), (Start: 195 @20434 has 1 MA's), (205, 20449), (231, 20482), (238, 20503), (245, 20518), (280, 20605), (284, 20617), (285, 20620), (315, 20695), (319, 20710), (335, 20746), (428, 20953), (487, 21067), (510, 21106), (542, 21193), (593, 21307), (601, 21331), (609, 21349), (653, 21430), (679, 21505), (684, 21523), (692, 21556), (697, 21562), (706, 21601), (730, 21655), (731, 21658), (744, 21679), (763, 21736), (813, 21904), (859, 22009), (861, 22015), (899, 22150),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 128

Candidate Starts for Phoebus_36:

(Start: 128 @27621 has 37 MA's), (Start: 196 @27711 has 48 MA's), (229, 27759), (242, 27789), (294, 27918), (307, 27948), (346, 28047), (363, 28083), (377, 28110), (405, 28182), (408, 28191), (415, 28212), (469, 28281), (482, 28320), (483, 28323), (490, 28338), (512, 28377), (526, 28425), (531, 28437), (535, 28443), (561, 28491), (566, 28500), (575, 28521), (583, 28539), (600, 28587), (638, 28689), (667, 28761), (683, 28806), (685, 28818), (694, 28953), (695, 28959), (696, 28983), (708, 29055), (716, 29082), (802, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 170

Candidate Starts for Phomeo_40:

(Start: 170 @30475 has 41 MA's), (Start: 200 @30511 has 1 MA's), (212, 30529), (Start: 246 @30589 has 1 MA's), (338, 30829), (343, 30841), (347, 30856), (381, 30922), (388, 30937), (399, 30961), (400, 30964), (435, 31048), (454, 31078), (456, 31081), (501, 31138), (518, 31186), (519, 31189), (525, 31210), (587, 31315), (602, 31360), (626, 31402), (717, 31576), (727, 31606), (731, 31612), (779, 31720), (780, 31723), (801, 31798), (886, 32017), (905, 32074),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Phonnegut_30:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 149

Candidate Starts for Phontbonne_27:

(Start: 128 @19747 has 37 MA's), (Start: 149 @19771 has 636 MA's), (Start: 195 @19828 has 1 MA's), (Start: 233 @19882 has 2 MA's), (238, 19897), (Start: 246 @19915 has 1 MA's), (280, 19999), (284, 20011), (285, 20014), (315, 20089), (319, 20104), (336, 20143), (389, 20260), (428, 20347), (472, 20428), (499, 20476), (510, 20500), (542, 20587), (560, 20632), (594, 20704), (601, 20725), (609, 20743), (653, 20824), (684, 20917), (686, 20926), (692, 20950), (697, 20956), (702, 20980), (731, 21034), (744, 21055), (761, 21106), (770, 21130), (813, 21280), (859, 21385), (862, 21400), (893, 21508), (899, 21526),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 117

Candidate Starts for PhorbesPhlower_18:

(Start: 117 @15153 has 26 MA's), (Start: 123 @15165 has 8 MA's), (158, 15207), (231, 15309), (265, 15381), (301, 15462), (317, 15513), (333, 15546), (347, 15588), (353, 15594), (373, 15642), (397, 15693), (408, 15729), (437, 15771), (453, 15792), (457, 15798), (467, 15822), (487, 15873), (489, 15876), (508, 15906), (660, 16218), (684, 16284), (691, 16314), (740, 16407), (748, 16428), (753, 16440), (755, 16446), (757, 16452), (760, 16458), (787, 16512), (795, 16542), (818, 16611), (859, 16698), (861, 16704), (866, 16728), (875, 16755),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 149

Candidate Starts for Phoxy_29:

(Start: 149 @20463 has 636 MA's), (Start: 195 @20520 has 1 MA's), (205, 20535), (231, 20568), (238, 20589), (245, 20604), (280, 20691), (284, 20703), (285, 20706), (315, 20781), (319, 20796), (335, 20832), (428, 21039), (487, 21153), (510, 21192), (542, 21279), (593, 21393), (601, 21417), (609, 21435), (653, 21516), (679, 21591), (684, 21609), (692, 21642), (697, 21648), (706, 21687), (730, 21741), (731, 21744), (744, 21765), (763, 21822), (813, 21990), (859, 22095), (861, 22101), (899,

22236),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 118

Candidate Starts for Phrank_22:

(Start: 111 @16317 has 26 MA's), (Start: 118 @16326 has 152 MA's), (143, 16356), (Start: 233 @16482 has 2 MA's), (238, 16497), (Start: 246 @16515 has 1 MA's), (262, 16548), (273, 16578), (288, 16623), (317, 16713), (333, 16749), (365, 16827), (369, 16836), (405, 16920), (408, 16929), (412, 16941), (413, 16944), (428, 16983), (445, 16998), (459, 17016), (475, 17058), (477, 17064), (582, 17247), (603, 17307), (644, 17391), (649, 17409), (669, 17469), (691, 17544), (718, 17568), (749, 17628), (761, 17661), (762, 17664), (768, 17682), (776, 17703), (795, 17778), (811, 17829), (813, 17835), (824, 17856), (862, 17928), (879, 17979), (900, 18063), (901, 18066), (910, 18084),

Gene: Phrankenstein_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Phrankenstein_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Phrann_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 149

Candidate Starts for Phranny_30:

(Start: 149 @20452 has 636 MA's), (Start: 195 @20509 has 1 MA's), (205, 20524), (238, 20578), (245, 20593), (280, 20680), (284, 20692), (285, 20695), (315, 20770), (319, 20785), (428, 21028), (510, 21181), (542, 21268), (587, 21361), (593, 21382), (601, 21406), (606, 21418), (609, 21424), (653, 21505), (679, 21580), (684, 21598), (686, 21607), (692, 21631), (697, 21637), (706, 21676), (730, 21730), (731, 21733), (744, 21754), (813, 21979), (859, 22084), (861, 22090), (899, 22225),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Phreak_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 178

Candidate Starts for PhriskyACE_19:

(11, 16045), (24, 16201), (41, 16396), (44, 16432), (46, 16435), (54, 16519), (55, 16525), (75, 16651), (96, 16705), (Start: 178 @16822 has 57 MA's), (275, 16993), (308, 17080), (315, 17098), (316, 17101), (338, 17155), (356, 17194), (378, 17251), (388, 17272), (510, 17443), (515, 17461), (522, 17485),

(528, 17506), (568, 17548), (602, 17629), (653, 17719), (685, 17821), (730, 17878), (766, 17968), (862, 18247), (864, 18256), (873, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 215

Candidate Starts for PhrostedPhlake_20:

(187, 16990), (Start: 215 @17026 has 57 MA's), (266, 17128), (279, 17164), (296, 17206), (320, 17266), (340, 17305), (357, 17344), (374, 17389), (382, 17404), (392, 17425), (410, 17479), (415, 17494), (512, 17665), (521, 17695), (604, 17878), (612, 17902), (659, 18046), (664, 18058), (713, 18118), (762, 18250), (763, 18253), (792, 18352), (797, 18370), (813, 18421), (838, 18481), (842, 18487), (871, 18550), (876, 18562),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 151

Candidate Starts for PhrostyMug_27:

(Start: 151 @21160 has 225 MA's), (Start: 167 @21181 has 5 MA's), (Start: 195 @21223 has 1 MA's), (228, 21268), (315, 21484), (333, 21529), (336, 21538), (353, 21577), (377, 21628), (378, 21631), (476, 21826), (510, 21895), (593, 22096), (594, 22099), (601, 22120), (652, 22216), (653, 22219), (655, 22225), (679, 22294), (684, 22312), (686, 22321), (697, 22351), (731, 22447), (747, 22480), (753, 22495), (795, 22636), (813, 22693), (861, 22804),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 134

Candidate Starts for Phrux_24:

(Start: 134 @19487 has 130 MA's), (Start: 196 @19571 has 48 MA's), (Start: 246 @19649 has 1 MA's), (280, 19736), (286, 19751), (305, 19799), (320, 19838), (361, 19925), (377, 19958), (394, 19994), (402, 20024), (405, 20030), (458, 20099), (477, 20129), (481, 20141), (482, 20144), (512, 20201), (575, 20333), (578, 20339), (602, 20405), (604, 20411), (612, 20435), (628, 20483), (642, 20507), (647, 20516), (672, 20591), (721, 20642), (726, 20657), (786, 20819), (792, 20846), (801, 20876), (843, 20981), (879, 21059), (886, 21095), (889, 21104), (899, 21137), (906, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Piatt_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 179

Candidate Starts for Pickett_17:

(Start: 91 @14547 has 1 MA's), (Start: 179 @14682 has 33 MA's), (248, 14799), (271, 14871), (272, 14874), (283, 14910), (295, 14949), (308, 14970), (347, 15072), (388, 15162), (389, 15165), (444, 15297), (471, 15351), (491, 15402), (509, 15432), (526, 15492), (530, 15504), (568, 15540), (588, 15579), (602, 15621), (626, 15657), (637, 15675), (645, 15690), (654, 15714), (679, 15786), (685, 15810), (754, 15918), (792, 16044), (796, 16059), (809, 16101), (847, 16194), (849, 16197), (864, 16245), (873, 16275), (881, 16293), (882, 16305), (892, 16344),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 149

Candidate Starts for PickleBack_24:

(Start: 149 @19478 has 636 MA's), (Start: 233 @19583 has 2 MA's), (Start: 246 @19616 has 1 MA's), (285, 19715), (315, 19790), (319, 19805), (335, 19841), (366, 19913), (373, 19928), (389, 19961), (393, 19967), (436, 20060), (487, 20162), (506, 20192), (509, 20198), (542, 20288), (553, 20318), (589, 20390), (593, 20402), (594, 20405), (609, 20444), (615, 20462), (652, 20522), (653, 20525), (670, 20576), (684, 20618), (730, 20759), (749, 20801), (861, 21119), (899, 21254),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 168

Candidate Starts for Pimento_23:

(103, 16966), (Start: 168 @17041 has 17 MA's), (Start: 233 @17134 has 2 MA's), (238, 17149), (241, 17155), (273, 17230), (284, 17266), (295, 17302), (334, 17413), (354, 17458), (361, 17476), (365, 17488), (455, 17659), (460, 17668), (463, 17674), (475, 17707), (506, 17770), (523, 17821), (557, 17845), (573, 17869), (601, 17944), (614, 17983), (667, 18115), (721, 18229), (761, 18316), (794, 18430), (797, 18439), (835, 18544), (877, 18631), (910, 18739),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 102

Candidate Starts for PinkCoffee_33:

(85, 26542), (Start: 102 @26584 has 86 MA's), (Start: 126 @26620 has 1 MA's), (Start: 153 @26653 has 10 MA's), (274, 26863), (275, 26866), (284, 26896), (307, 26962), (315, 26986), (317, 26995), (332, 27028), (399, 27181), (416, 27220), (453, 27271), (460, 27283), (467, 27301), (471, 27313), (475, 27325), (480, 27340), (496, 27370), (499, 27373), (509, 27394), (554, 27466), (579, 27514), (620, 27625), (649, 27658), (663, 27700), (686, 27772), (715, 27838), (719, 27850), (795, 28021), (796, 28024), (811, 28072), (824, 28099), (833, 28126), (859, 28180), (890, 28297), (896, 28318), (907, 28345),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 151

Candidate Starts for PinkPlastic_26:

(Start: 151 @20900 has 225 MA's), (Start: 167 @20921 has 5 MA's), (Start: 195 @20963 has 1 MA's), (228, 21008), (315, 21224), (333, 21269), (336, 21278), (377, 21368), (378, 21371), (416, 21464), (476, 21566), (510, 21635), (593, 21836), (594, 21839), (601, 21860), (652, 21956), (653, 21959), (655, 21965), (679, 22034), (684, 22052), (686, 22061), (697, 22091), (731, 22187), (747, 22220), (753, 22235), (795, 22376), (813, 22433), (861, 22544),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 111

Candidate Starts for PinkYoshi_18:

(Start: 111 @16631 has 26 MA's), (Start: 137 @16640 has 56 MA's), (143, 16646), (147, 16652), (238, 16784), (262, 16835), (273, 16865), (280, 16889), (315, 16991), (331, 17030), (333, 17036), (339, 17051), (358, 17096), (408, 17216), (429, 17273), (459, 17312), (477, 17360), (487, 17387), (496, 17399), (532, 17480), (574, 17525), (653, 17723), (662, 17753), (669, 17771), (679, 17798), (722, 17882), (735, 17900), (745, 17915), (761, 17963), (765, 17978), (786, 18041), (801, 18098), (813, 18137), (831, 18179), (862, 18230), (889, 18326), (910, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 137

Candidate Starts for Pinnie_19:

(Start: 137 @17358 has 56 MA's), (234, 17478), (262, 17541), (272, 17568), (273, 17571), (315, 17697), (319, 17712), (331, 17736), (333, 17742), (335, 17748), (358, 17802), (408, 17922), (459, 18018), (463, 18027), (475, 18060), (477, 18066), (496, 18105), (574, 18231), (598, 18294), (653, 18423), (669, 18471), (679, 18498), (688, 18534), (722, 18582), (735, 18588), (772, 18681), (801, 18786), (829, 18861), (889, 19014), (901, 19056), (903, 19059),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 151

Candidate Starts for Pinto_30:

(Start: 151 @21713 has 225 MA's), (Start: 167 @21734 has 5 MA's), (Start: 195 @21776 has 1 MA's), (228, 21821), (315, 22037), (333, 22082), (336, 22091), (377, 22181), (378, 22184), (476, 22379), (510, 22448), (593, 22649), (594, 22652), (601, 22673), (652, 22769), (653, 22772), (655, 22778), (679, 22847), (684, 22865), (686, 22874), (697, 22904), (731, 23000), (747, 23033), (753, 23048), (795, 23189), (813, 23246), (861, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Pioneer_30:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Pipcraft_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Piper2020_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (388, 15175), (389, 15178), (394, 15187), (401, 15211), (453, 15286), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (593, 15589), (597, 15601), (604, 15622), (624, 15676), (628, 15685), (638, 15703), (642, 15709), (652, 15739), (718, 15844), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (811, 16123), (826, 16153), (829, 16165), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (865, 16240), (876, 16270), (881, 16282), (899, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 215

Candidate Starts for Pipp_19:

(187, 16608), (Start: 215 @16644 has 57 MA's), (266, 16746), (296, 16824), (340, 16923), (357, 16962), (392, 17043), (410, 17097), (415, 17112), (476, 17208), (512, 17283), (521, 17313), (604, 17496), (612, 17520), (625, 17571), (659, 17664), (664, 17676), (682, 17721), (713, 17736), (762, 17868), (763, 17871), (792, 17970), (797, 17988), (813, 18039), (838, 18099), (842, 18105), (871, 18168), (876, 18180),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 151

Candidate Starts for Pippin_29:

(Start: 151 @21464 has 225 MA's), (Start: 167 @21485 has 5 MA's), (Start: 195 @21527 has 1 MA's), (228, 21572), (315, 21788), (333, 21833), (336, 21842), (353, 21881), (377, 21932), (378, 21935), (476, 22130), (510, 22199), (593, 22400), (594, 22403), (601, 22424), (652, 22520), (653, 22523), (655, 22529), (679, 22598), (684, 22616), (686, 22625), (697, 22655), (731, 22751), (747, 22784), (753, 22799), (795, 22940), (813, 22997), (861, 23108),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 129

Candidate Starts for Pippy_16:

(Start: 129 @14798 has 222 MA's), (199, 14885), (Start: 233 @14930 has 2 MA's), (242, 14954), (283, 15059), (286, 15065), (292, 15083), (305, 15113), (350, 15218), (379, 15278), (389, 15299), (394, 15308), (401, 15332), (475, 15458), (480, 15473), (482, 15479), (504, 15515), (506, 15518), (511, 15530), (512, 15536), (526, 15584), (531, 15596), (535, 15602), (574, 15662), (579, 15674), (593, 15710), (597, 15722), (624, 15797), (628, 15806), (638, 15824), (642, 15830), (652, 15860), (718,

15965), (721, 15974), (722, 15977), (738, 16013), (766, 16091), (794, 16190), (801, 16211), (811, 16244), (826, 16274), (835, 16304), (841, 16313), (844, 16319), (859, 16334), (860, 16337), (865, 16361), (876, 16391), (881, 16403), (886, 16433), (899, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Pipsqueaks_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 149

Candidate Starts for Piro94_29:

(Start: 128 @20648 has 37 MA's), (Start: 149 @20672 has 636 MA's), (245, 20807), (255, 20825), (284, 20906), (285, 20909), (314, 20981), (315, 20984), (336, 21038), (339, 21044), (366, 21107), (389, 21155), (401, 21188), (428, 21242), (472, 21323), (476, 21326), (487, 21356), (553, 21512), (594, 21599), (653, 21719), (691, 21842), (692, 21845), (697, 21851), (718, 21899), (747, 21962), (753, 21977), (755, 21983), (774, 22037), (785, 22076), (788, 22091), (797, 22124), (811, 22169), (859, 22280), (861, 22286), (876, 22340),

Gene: Pisa1_22 Start: 17226, Stop: 18992, Start Num: 118

Candidate Starts for Pisa1_22:

(Start: 118 @17226 has 152 MA's), (143, 17256), (Start: 246 @17415 has 1 MA's), (262, 17448), (273, 17478), (283, 17511), (288, 17523), (317, 17613), (335, 17655), (365, 17727), (369, 17736), (389, 17775), (405, 17820), (413, 17844), (459, 17916), (475, 17958), (477, 17964), (487, 17991), (574, 18129), (582, 18147), (597, 18189), (603, 18207), (614, 18237), (628, 18264), (669, 18369), (762, 18564), (773, 18594), (776, 18603), (795, 18678), (811, 18729), (862, 18828), (879, 18879), (889, 18924), (900, 18963), (901, 18966), (910, 18984),

Gene: Pisa4_22 Start: 17226, Stop: 18992, Start Num: 118

Candidate Starts for Pisa4_22:

(Start: 118 @17226 has 152 MA's), (143, 17256), (Start: 246 @17415 has 1 MA's), (262, 17448), (273, 17478), (283, 17511), (288, 17523), (317, 17613), (335, 17655), (365, 17727), (369, 17736), (389, 17775), (405, 17820), (413, 17844), (459, 17916), (475, 17958), (477, 17964), (487, 17991), (574, 18129), (582, 18147), (597, 18189), (603, 18207), (614, 18237), (628, 18264), (669, 18369), (762, 18564), (773, 18594), (776, 18603), (795, 18678), (811, 18729), (862, 18828), (879, 18879), (889, 18924), (900, 18963), (901, 18966), (910, 18984),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 149

Candidate Starts for Pistachio_28:

(Start: 149 @19451 has 636 MA's), (Start: 195 @19508 has 1 MA's), (238, 19577), (280, 19679), (284, 19691), (285, 19694), (315, 19769), (319, 19784), (336, 19823), (397, 19958), (428, 20027), (487, 20141), (542, 20267), (593, 20381), (601, 20405), (609, 20423), (653, 20504), (679, 20579), (684, 20597), (686, 20606), (692, 20630), (697, 20636), (700, 20651), (712, 20684), (730, 20729), (731, 20732), (744, 20753), (747, 20765), (749, 20771), (770, 20828), (813, 20978), (826, 21002), (859, 21083), (861, 21089), (899, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for Pita2_29:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (353, 22002), (377, 22053), (378, 22056), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 118

Candidate Starts for Pixie_22:

(Start: 111 @17349 has 26 MA's), (Start: 118 @17358 has 152 MA's), (204, 17460), (238, 17517), (262, 17568), (273, 17598), (280, 17622), (365, 17853), (369, 17862), (377, 17874), (412, 17967), (413, 17970), (459, 18042), (463, 18051), (475, 18084), (477, 18090), (496, 18129), (512, 18165), (574, 18255), (598, 18318), (635, 18405), (669, 18498), (691, 18573), (749, 18654), (765, 18702), (775, 18726), (782, 18753), (797, 18810), (811, 18855), (862, 18957), (870, 18984), (886, 19044), (889, 19053), (895, 19074), (900, 19092), (903, 19098), (910, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Plagueis_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 170

Candidate Starts for Pleakley_50:

(Start: 170 @30683 has 41 MA's), (Start: 179 @30698 has 33 MA's), (212, 30737), (Start: 246 @30797 has 1 MA's), (275, 30881), (347, 31064), (381, 31130), (388, 31145), (402, 31181), (435, 31256), (454, 31286), (456, 31289), (464, 31307), (501, 31346), (513, 31376), (606, 31580), (626, 31610), (652, 31658), (653, 31661), (717, 31784), (731, 31820), (801, 32006), (868, 32159), (884, 32213), (886, 32225), (890, 32237), (905, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Plumbus_17:

(Start: 129 @14635 has 222 MA's), (199, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (253, 14812), (283, 14896), (286, 14902), (292, 14920), (305, 14950), (350, 15055), (379, 15115), (389, 15136), (394, 15145), (401, 15169), (475, 15295), (480, 15310), (482, 15316), (504, 15352), (506, 15355), (511, 15367), (512, 15373), (526, 15421), (531, 15433), (535, 15439), (574, 15499), (579, 15511), (593, 15547), (597, 15559), (624, 15634), (628, 15643), (638, 15661), (642, 15667), (652, 15697), (718, 15802), (721, 15811), (722, 15814), (738, 15850), (766, 15928), (794, 16027), (801, 16048), (811, 16081), (826, 16111), (835, 16141), (841, 16150), (844, 16156), (859, 16171), (860, 16174), (865, 16198), (876, 16228), (881, 16240), (886, 16270), (899, 16312),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 149

Candidate Starts for Pmask_31:

(98, 19904), (Start: 128 @19946 has 37 MA's), (Start: 149 @19970 has 636 MA's), (273, 20168), (285, 20207), (314, 20279), (315, 20282), (321, 20300), (336, 20336), (339, 20342), (389, 20453), (393, 20459), (405, 20498), (428, 20540), (455, 20579), (472, 20621), (476, 20624), (506, 20684), (603, 20921), (609, 20936), (653, 21017), (697, 21149), (753, 21275), (771, 21326), (774, 21335), (785, 21374), (786, 21377), (788, 21389), (813, 21473), (859, 21578), (861, 21584), (899, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 149

Candidate Starts for Pocahontas_28:

(Start: 149 @20452 has 636 MA's), (Start: 195 @20512 has 1 MA's), (238, 20581), (280, 20683), (284, 20695), (285, 20698), (315, 20773), (319, 20788), (336, 20827), (397, 20962), (428, 21031), (487, 21145), (542, 21271), (593, 21385), (601, 21409), (606, 21421), (609, 21427), (653, 21508), (679, 21583), (684, 21601), (686, 21610), (692, 21634), (697, 21640), (700, 21655), (712, 21688), (730, 21733), (731, 21736), (744, 21757), (786, 21886), (813, 21982), (859, 22087), (861, 22093), (899, 22228),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Poenanya_16:

(Start: 129 @14940 has 222 MA's), (199, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (283, 15201), (286, 15207), (292, 15225), (305, 15255), (350, 15360), (379, 15420), (389, 15441), (394, 15450), (401, 15474), (453, 15549), (475, 15600), (480, 15615), (482, 15621), (504, 15657), (506, 15660), (511, 15672), (512, 15678), (526, 15726), (531, 15738), (535, 15744), (574, 15804), (579, 15816), (593, 15852), (597, 15864), (624, 15939), (628, 15948), (638, 15966), (642, 15972), (652, 16002), (718, 16107), (722, 16119), (738, 16155), (766, 16233), (794, 16332), (801, 16353), (811, 16386), (826, 16416), (835, 16446), (839, 16452), (841, 16455), (844, 16461), (859, 16476), (860, 16479), (864, 16500), (865, 16503), (881, 16545), (899, 16617), (900, 16623),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 118

Candidate Starts for Pokerus_22:

(Start: 118 @17105 has 152 MA's), (143, 17135), (Start: 246 @17294 has 1 MA's), (262, 17327), (273, 17357), (283, 17390), (317, 17492), (335, 17534), (365, 17606), (369, 17615), (389, 17654), (405, 17699), (412, 17720), (413, 17723), (445, 17777), (459, 17795), (475, 17837), (477, 17843), (487, 17870), (574, 18008), (582, 18026), (597, 18068), (603, 18086), (614, 18116), (628, 18143), (669, 18248), (749, 18407), (762, 18443), (773, 18473), (776, 18482), (795, 18557), (811, 18608), (889, 18803), (900, 18842), (901, 18845), (910, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 196

Candidate Starts for Policronamos_24:

(Start: 134 @19774 has 130 MA's), (Start: 196 @19858 has 48 MA's), (Start: 246 @19936 has 1 MA's), (280, 20023), (286, 20038), (305, 20086), (320, 20125), (361, 20212), (377, 20245), (394, 20281), (402, 20311), (405, 20317), (458, 20386), (477, 20416), (481, 20428), (482, 20431), (512, 20488), (575, 20620), (578, 20626), (602, 20692), (604, 20698), (612, 20722), (628, 20770), (642, 20794), (647, 20803), (672, 20878), (721, 20929), (726, 20944), (786, 21106), (792, 21133), (801, 21163), (843, 21268), (879, 21346), (886, 21382), (889, 21391), (899, 21424), (906, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 129

Candidate Starts for Polka14_17:

(Start: 129 @15348 has 222 MA's), (199, 15435), (Start: 233 @15480 has 2 MA's), (242, 15504), (283, 15609), (286, 15615), (292, 15633), (305, 15663), (350, 15768), (379, 15828), (389, 15849), (394, 15858), (401, 15882), (475, 16008), (480, 16023), (482, 16029), (504, 16065), (506, 16068), (511, 16080), (512, 16086), (526, 16134), (531, 16146), (535, 16152), (574, 16212), (579, 16224), (593, 16260), (597, 16272), (604, 16293), (624, 16347), (628, 16356), (638, 16374), (642, 16380), (652, 16410), (718, 16515), (722, 16527), (738, 16563), (754, 16602), (766, 16641), (794, 16740), (801, 16761), (811, 16794), (826, 16824), (835, 16854), (839, 16860), (841, 16863), (844, 16869), (859, 16884), (860, 16887), (864, 16908), (865, 16911), (881, 16953), (886, 16983), (899, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 122

Candidate Starts for Polkaroo_19:

(Start: 107 @16377 has 2 MA's), (Start: 122 @16401 has 48 MA's), (Start: 170 @16461 has 41 MA's), (183, 16482), (185, 16485), (260, 16605), (274, 16644), (284, 16677), (294, 16701), (344, 16821), (361, 16860), (363, 16866), (399, 16950), (401, 16956), (405, 16968), (413, 16992), (442, 17019), (458, 17037), (473, 17076), (475, 17082), (483, 17106), (512, 17160), (516, 17172), (518, 17181),

(545, 17241), (583, 17319), (597, 17358), (609, 17391), (628, 17457), (636, 17472), (642, 17481), (650, 17505), (660, 17535), (667, 17547), (733, 17649), (741, 17661), (744, 17664), (746, 17670), (748, 17679), (784, 17787), (807, 17871), (852, 17970), (899, 18111), (906, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 117

Candidate Starts for Pollux_20:

(Start: 100 @17542 has 1 MA's), (Start: 117 @17566 has 26 MA's), (197, 17671), (230, 17713), (265, 17788), (313, 17902), (373, 18049), (377, 18055), (397, 18100), (470, 18238), (508, 18313), (652, 18595), (658, 18616), (684, 18691), (719, 18778), (740, 18814), (753, 18847), (755, 18853), (787, 18919), (795, 18949), (859, 19105), (861, 19111), (864, 19129), (896, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Polly_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Polymorphads_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Polyphemus_31 Start: 19968, Stop: 21740, Start Num: 149

Candidate Starts for Polyphemus_31:

(98, 19902), (Start: 128 @19944 has 37 MA's), (Start: 149 @19968 has 636 MA's), (273, 20166), (285, 20205), (314, 20277), (315, 20280), (321, 20298), (336, 20334), (339, 20340), (389, 20451), (393, 20457), (405, 20496), (428, 20538), (455, 20577), (472, 20619), (476, 20622), (506, 20682), (603, 20919), (609, 20934), (653, 21015), (697, 21147), (753, 21273), (771, 21324), (774, 21333), (785, 21372), (786, 21375), (788, 21387), (813, 21471), (859, 21576), (861, 21582), (899, 21717),

Gene: Polyuki_45 Start: 31365, Stop: 32939, Start Num: 174

Candidate Starts for Polyuki_45:

(Start: 174 @31365 has 9 MA's), (Start: 179 @31374 has 33 MA's), (226, 31428), (237, 31452), (Start: 246 @31455 has 1 MA's), (350, 31725), (381, 31788), (388, 31803), (446, 31920), (456, 31935), (501, 31992), (506, 32001), (519, 32043), (525, 32064), (540, 32094), (577, 32151), (606, 32226), (658, 32322), (717, 32427), (718, 32430), (727, 32457), (768, 32535), (780, 32574), (833, 32730), (866, 32796),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 149

Candidate Starts for Pomar16_31:

(98, 20024), (Start: 128 @20066 has 37 MA's), (Start: 149 @20090 has 636 MA's), (255, 20243), (284, 20324), (285, 20327), (314, 20399), (315, 20402), (319, 20417), (336, 20456), (339, 20462), (389, 20573), (397, 20591), (428, 20660), (472, 20741), (476, 20744), (542, 20900), (553, 20930), (653, 21137), (692, 21263), (731, 21365), (747, 21398), (753, 21413), (761, 21437), (785, 21512), (786, 21515), (788, 21527), (813, 21611), (849, 21689), (859, 21716), (861, 21722), (872, 21767), (876, 21776), (899, 21857),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 139

Candidate Starts for Pons_18:

(Start: 139 @15412 has 9 MA's), (Start: 149 @15415 has 636 MA's), (226, 15514), (Start: 246 @15556 has 1 MA's), (257, 15577), (297, 15694), (335, 15796), (373, 15883), (388, 15913), (398, 15940), (416, 15985), (428, 16003), (441, 16018), (451, 16033), (475, 16090), (487, 16123), (496, 16135), (511, 16165), (548, 16222), (553, 16240), (569, 16270), (584, 16300), (590, 16315), (606, 16363), (634, 16414), (653, 16450), (657, 16465), (664, 16483), (684, 16540), (748, 16669), (753, 16681), (794, 16780), (795, 16783), (801, 16801), (830, 16879), (842, 16906), (861, 16948), (901, 17095), (906, 17101),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 149

Candidate Starts for Poompha_26:

(Start: 128 @17864 has 37 MA's), (Start: 149 @17888 has 636 MA's), (Start: 195 @17945 has 1 MA's), (205, 17960), (238, 18014), (284, 18128), (285, 18131), (315, 18206), (331, 18245), (389, 18377), (428, 18464), (470, 18539), (487, 18578), (510, 18617), (542, 18704), (560, 18749), (593, 18818), (601, 18842), (606, 18854), (609, 18860), (639, 18911), (684, 19034), (686, 19043), (692, 19067), (697, 19073), (700, 19088), (718, 19121), (744, 19172), (763, 19229), (764, 19235), (813, 19397), (859, 19502), (861, 19508), (862, 19517), (899, 19643),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for PopTart_16:

(Start: 129 @14854 has 222 MA's), (199, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (283, 15115), (286, 15121), (292, 15139), (305, 15169), (350, 15274), (379, 15334), (383, 15343), (388, 15352), (389, 15355), (394, 15364), (401, 15388), (475, 15514), (480, 15529), (482, 15535), (504, 15571), (506, 15574), (511, 15586), (512, 15592), (526, 15640), (531, 15652), (535, 15658), (574, 15718), (579, 15730), (593, 15766), (597, 15778), (624, 15853), (628, 15862), (638, 15880), (642, 15886), (652, 15916), (718, 16021), (721, 16030), (722, 16033), (738, 16069), (766, 16147), (794, 16246), (801, 16267), (811, 16300), (826, 16330), (835, 16360), (841, 16369), (844, 16375), (859, 16390), (860, 16393), (865, 16417), (876, 16447), (881, 16459), (886, 16489), (899, 16531),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 149

Candidate Starts for Popcicle_28:

(Start: 149 @20452 has 636 MA's), (Start: 195 @20512 has 1 MA's), (238, 20581), (280, 20683), (284, 20695), (285, 20698), (315, 20773), (319, 20788), (336, 20827), (397, 20962), (428, 21031), (487, 21145), (542, 21271), (593, 21385), (601, 21409), (606, 21421), (609, 21427), (653, 21508), (679, 21583), (684, 21601), (686, 21610), (692, 21634), (697, 21640), (700, 21655), (712, 21688), (730, 21733), (731, 21736), (744, 21757), (786, 21886), (813, 21982), (859, 22087), (861, 22093), (899, 22228),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 128

Candidate Starts for Porcelain_33:

(Start: 128 @24890 has 37 MA's), (Start: 196 @24980 has 48 MA's), (199, 24983), (242, 25058), (257, 25085), (280, 25151), (294, 25187), (307, 25217), (312, 25232), (346, 25316), (363, 25352), (377, 25379), (395, 25418), (405, 25451), (408, 25460), (455, 25517), (472, 25559), (509, 25634), (512, 25646), (531, 25706), (561, 25760), (575, 25790), (583, 25808), (588, 25817), (598, 25850), (602, 25862), (604, 25868), (616, 25907), (642, 25964), (726, 26114), (733, 26132), (753, 26174), (761, 26198), (762, 26201), (766, 26216), (777, 26246), (786, 26276), (801, 26333), (867, 26483), (901, 26603), (906, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 196

Candidate Starts for Porky_24:

(Start: 134 @19583 has 130 MA's), (Start: 196 @19667 has 48 MA's), (Start: 246 @19745 has 1 MA's), (280, 19832), (286, 19847), (305, 19895), (320, 19934), (361, 20021), (377, 20054), (394, 20090), (402, 20120), (405, 20126), (458, 20195), (477, 20225), (481, 20237), (482, 20240), (512, 20297), (575, 20429), (578, 20435), (602, 20501), (604, 20507), (612, 20531), (628, 20579), (642, 20603), (647, 20612), (672, 20687), (721, 20738), (726, 20753), (786, 20915), (792, 20942), (801, 20972), (843, 21077), (879, 21155), (886, 21191), (889, 21200), (899, 21233), (906, 21248),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 102

Candidate Starts for Portcullis_31:

(85, 25852), (Start: 102 @25894 has 86 MA's), (Start: 126 @25930 has 1 MA's), (Start: 153 @25963 has 10 MA's), (274, 26173), (275, 26176), (284, 26206), (307, 26272), (315, 26296), (317, 26305), (332, 26338), (399, 26491), (416, 26530), (453, 26581), (460, 26593), (467, 26611), (471, 26623), (475, 26635), (480, 26650), (496, 26680), (499, 26683), (509, 26704), (554, 26776), (579, 26824), (620, 26935), (649, 26968), (660, 27007), (663, 27010), (686, 27082), (715, 27148), (719, 27160), (795, 27331), (796, 27334), (811, 27382), (824, 27409), (833, 27436), (835, 27442), (859, 27490), (890, 27607), (896, 27628), (907, 27655),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 117

Candidate Starts for Posh_20:

(Start: 100 @17506 has 1 MA's), (Start: 117 @17530 has 26 MA's), (197, 17635), (230, 17677), (265, 17752), (313, 17866), (373, 18013), (377, 18019), (397, 18064), (470, 18202), (508, 18277), (652, 18559), (658, 18580), (684, 18655), (719, 18742), (740, 18778), (753, 18811), (755, 18817), (787, 18883), (795, 18913), (859, 19069), (861, 19075), (864, 19093), (896, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 139

Candidate Starts for PotPie_18:

(Start: 139 @16277 has 9 MA's), (Start: 149 @16280 has 636 MA's), (226, 16379), (Start: 246 @16421 has 1 MA's), (335, 16661), (373, 16748), (384, 16769), (388, 16778), (398, 16805), (416, 16850), (441, 16883), (451, 16898), (463, 16922), (475, 16955), (487, 16988), (496, 17000), (518, 17057), (553, 17105), (569, 17135), (584, 17165), (590, 17180), (606, 17228), (634, 17279), (653, 17315), (657, 17330), (664, 17348), (684, 17405), (686, 17414), (748, 17534), (753, 17546), (781, 17594), (794, 17645), (795, 17648), (801, 17666), (830, 17744), (842, 17771), (861, 17813), (901, 17960), (906, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 171

Candidate Starts for PotatoChip_34:

(Start: 171 @29329 has 8 MA's), (249, 29428), (273, 29497), (285, 29536), (336, 29671), (363, 29731), (438, 29884), (446, 29896), (452, 29905), (454, 29908), (492, 29953), (501, 29968), (506, 29977), (510, 29986), (525, 30040), (533, 30058), (570, 30112), (666, 30328), (722, 30421), (774, 30529), (788, 30583), (810, 30658), (866, 30787), (904, 30913),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 149

Candidate Starts for PotatoSplit_30:

(Start: 149 @20379 has 636 MA's), (Start: 195 @20436 has 1 MA's), (205, 20451), (231, 20484), (238, 20505), (245, 20520), (280, 20607), (284, 20619), (285, 20622), (315, 20697), (319, 20712), (335, 20748), (428, 20955), (487, 21069), (510, 21108), (542, 21195), (593, 21309), (601, 21333), (609, 21351), (653, 21432), (679, 21507), (684, 21525), (692, 21558), (697, 21564), (706, 21603), (730, 21657), (731, 21660), (744, 21681), (763, 21738), (813, 21906), (859, 22011), (861, 22017), (899, 22152),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 151

Candidate Starts for Poushou_19:

(Start: 151 @17425 has 225 MA's), (Start: 174 @17458 has 9 MA's), (304, 17716), (333, 17794), (388, 17917), (393, 17926), (394, 17929), (397, 17938), (399, 17947), (476, 18088), (480, 18100), (509, 18154), (585, 18289), (597, 18322), (604, 18340), (609, 18352), (615, 18367), (652, 18427), (658, 18448), (660, 18457), (684, 18523), (692, 18556), (718, 18586), (720, 18592), (721, 18595), (753, 18664), (794, 18763), (797, 18772), (860, 18928), (862, 18940),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for Power_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (231, 20217), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (692, 21291), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (813, 21621), (861, 21732), (899, 21867),

Gene: PowerRanger_28 Start: 22638, Stop: 24419, Start Num: 167

Candidate Starts for PowerRanger_28:

(Start: 151 @22617 has 225 MA's), (Start: 167 @22638 has 5 MA's), (Start: 195 @22680 has 1 MA's), (228, 22725), (315, 22941), (333, 22986), (336, 22995), (353, 23034), (377, 23085), (378, 23088), (476, 23283), (510, 23352), (593, 23553), (594, 23556), (601, 23577), (652, 23673), (653, 23676), (655, 23682), (679, 23751), (684, 23769), (686, 23778), (697, 23808), (731, 23904), (747, 23937), (753, 23952), (795, 24093), (813, 24150), (861, 24261),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 178

Candidate Starts for Powerball_19:

(Start: 178 @16819 has 57 MA's), (308, 17077), (316, 17098), (338, 17152), (345, 17170), (356, 17191), (378, 17248), (388, 17269), (510, 17440), (515, 17458), (522, 17482), (528, 17503), (568, 17545), (602, 17626), (653, 17716), (685, 17818), (686, 17821), (730, 17875), (862, 18244), (864, 18253), (866, 18259), (873, 18283), (879, 18295),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 149

Candidate Starts for Priamo_31:

(98, 19953), (Start: 128 @19995 has 37 MA's), (Start: 149 @20019 has 636 MA's), (Start: 246 @20157 has 1 MA's), (273, 20217), (284, 20253), (285, 20256), (314, 20328), (315, 20331), (336, 20385), (339, 20391), (361, 20442), (389, 20502), (393, 20508), (405, 20547), (428, 20589), (455, 20628), (472, 20670), (476, 20673), (506, 20733), (603, 20970), (609, 20985), (653, 21066), (683, 21153), (697, 21198), (753, 21324), (774, 21384), (785, 21423), (786, 21426), (788, 21438), (813, 21522), (859, 21627), (861, 21633), (899, 21768),

Gene: Prinashel1_25 Start: 19626, Stop: 21422, Start Num: 149

Candidate Starts for Prinashel1_25:

(Start: 149 @19626 has 636 MA's), (Start: 233 @19731 has 2 MA's), (Start: 246 @19764 has 1 MA's), (285, 19863), (315, 19938), (319, 19953), (335, 19989), (366, 20061), (373, 20076), (393, 20115), (401, 20142), (408, 20163), (433, 20202), (506, 20340), (509, 20346), (560, 20481), (589, 20538), (590, 20541), (593, 20550), (609, 20592), (615, 20610), (652, 20670), (653, 20673), (684, 20766), (686, 20775), (692, 20799), (730, 20907), (747, 20943), (813, 21153), (858, 21255), (861, 21264), (892, 21378), (899, 21399), (901, 21408),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 215

Candidate Starts for PrincePatrick_19:

(35, 16283), (38, 16313), (39, 16319), (53, 16451), (59, 16508), (60, 16517), (114, 16676), (187, 16778), (Start: 215 @16814 has 57 MA's), (266, 16919), (296, 16997), (320, 17057), (326, 17069), (328, 17072), (410, 17270), (415, 17285), (428, 17300), (472, 17369), (476, 17381), (479, 17390), (480, 17393), (488, 17414), (512, 17456), (521, 17486), (604, 17669), (612, 17693), (625, 17744),

(659, 17837), (664, 17849), (680, 17891), (713, 17909), (763, 18044), (792, 18143), (797, 18161), (813, 18212), (838, 18272), (842, 18278), (876, 18353),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for Priscilla_16:

(Start: 129 @14816 has 222 MA's), (199, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (283, 15077), (286, 15083), (292, 15101), (305, 15131), (350, 15236), (379, 15296), (389, 15317), (394, 15326), (401, 15350), (453, 15425), (455, 15428), (475, 15476), (480, 15491), (482, 15497), (504, 15533), (506, 15536), (511, 15548), (512, 15554), (526, 15602), (531, 15614), (535, 15620), (574, 15680), (579, 15692), (593, 15728), (597, 15740), (624, 15815), (628, 15824), (638, 15842), (642, 15848), (652, 15878), (718, 15983), (722, 15995), (738, 16031), (766, 16109), (801, 16229), (811, 16262), (826, 16292), (835, 16322), (841, 16331), (844, 16337), (859, 16352), (860, 16355), (865, 16379), (876, 16409), (881, 16421), (886, 16451), (899, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for Prithvi_23:

(Start: 118 @17122 has 152 MA's), (143, 17152), (Start: 246 @17311 has 1 MA's), (262, 17344), (273, 17374), (283, 17407), (288, 17419), (317, 17509), (335, 17551), (362, 17614), (365, 17623), (369, 17632), (389, 17671), (405, 17716), (412, 17737), (413, 17740), (459, 17812), (475, 17854), (477, 17860), (487, 17887), (574, 18025), (582, 18043), (597, 18085), (603, 18103), (614, 18133), (628, 18160), (669, 18265), (749, 18424), (762, 18460), (773, 18490), (776, 18499), (795, 18574), (811, 18625), (889, 18820), (900, 18859), (901, 18862), (910, 18880),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 149

Candidate Starts for Priya_30:

(Start: 146 @21777 has 12 MA's), (Start: 149 @21780 has 636 MA's), (284, 22014), (285, 22017), (314, 22089), (315, 22092), (319, 22107), (336, 22146), (339, 22152), (389, 22263), (428, 22350), (472, 22431), (476, 22434), (506, 22494), (553, 22620), (587, 22683), (594, 22707), (596, 22713), (609, 22746), (653, 22827), (692, 22953), (705, 22995), (706, 22998), (731, 23055), (747, 23088), (753, 23103), (785, 23202), (786, 23205), (788, 23217), (813, 23301), (842, 23367), (859, 23406), (861, 23412), (872, 23457), (889, 23514), (890, 23517),

Gene: ProMouse_26 Start: 21605, Stop: 23407, Start Num: 151

Candidate Starts for ProMouse_26:

(Start: 151 @21605 has 225 MA's), (Start: 167 @21626 has 5 MA's), (Start: 195 @21668 has 1 MA's), (228, 21713), (315, 21929), (333, 21974), (377, 22073), (378, 22076), (416, 22169), (476, 22271), (510, 22340), (589, 22529), (593, 22541), (594, 22544), (601, 22565), (652, 22661), (653, 22664), (655, 22670), (679, 22739), (684, 22757), (686, 22766), (697, 22796), (731, 22892), (747, 22925), (753, 22940), (795, 23081), (813, 23138), (861, 23249), (907, 23402),

Gene: Prudy_30 Start: 21974, Stop: 23746, Start Num: 149

Candidate Starts for Prudy_30:

(Start: 128 @21950 has 37 MA's), (Start: 149 @21974 has 636 MA's), (265, 22157), (284, 22208), (285, 22211), (314, 22283), (315, 22286), (336, 22340), (353, 22379), (389, 22457), (428, 22544), (472, 22625), (476, 22628), (553, 22814), (593, 22898), (594, 22901), (609, 22940), (648, 23006), (653, 23021), (692, 23147), (718, 23201), (744, 23252), (747, 23264), (753, 23279), (755, 23285), (774, 23339), (788, 23393), (813, 23477), (842, 23543), (859, 23582), (861, 23588),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 139

Candidate Starts for PsychoKiller_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611,

16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: Ptowny_24 Start: 19212, Stop: 20807, Start Num: 196

Candidate Starts for Ptowny_24:

(Start: 134 @19128 has 130 MA's), (Start: 196 @19212 has 48 MA's), (Start: 246 @19290 has 1 MA's), (280, 19377), (286, 19392), (305, 19440), (320, 19479), (361, 19566), (377, 19599), (394, 19635), (402, 19665), (405, 19671), (458, 19740), (477, 19770), (481, 19782), (482, 19785), (512, 19842), (575, 19974), (578, 19980), (602, 20046), (604, 20052), (612, 20076), (628, 20124), (642, 20148), (647, 20157), (672, 20232), (721, 20283), (726, 20298), (786, 20460), (792, 20487), (801, 20517), (843, 20622), (879, 20700), (886, 20736), (889, 20745), (899, 20778), (906, 20793),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 149

Candidate Starts for Pukovnik_30:

(Start: 128 @21666 has 37 MA's), (Start: 149 @21690 has 636 MA's), (245, 21825), (255, 21843), (284, 21924), (285, 21927), (314, 21999), (315, 22002), (339, 22062), (389, 22173), (428, 22260), (472, 22341), (476, 22344), (526, 22470), (542, 22500), (648, 22722), (653, 22737), (692, 22863), (697, 22869), (718, 22917), (747, 22980), (753, 22995), (755, 23001), (761, 23019), (774, 23055), (785, 23094), (788, 23109), (813, 23193), (849, 23271), (859, 23298), (861, 23304), (872, 23349),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 102

Candidate Starts for PullumCavea_31:

(85, 25903), (Start: 102 @25945 has 86 MA's), (Start: 126 @25981 has 1 MA's), (Start: 153 @26014 has 10 MA's), (274, 26224), (275, 26227), (284, 26257), (307, 26323), (315, 26347), (317, 26356), (332, 26389), (399, 26542), (416, 26581), (453, 26632), (460, 26644), (467, 26662), (471, 26674), (475, 26686), (480, 26701), (496, 26731), (499, 26734), (509, 26755), (554, 26827), (579, 26875), (620, 26986), (649, 27019), (660, 27058), (663, 27061), (686, 27133), (715, 27199), (719, 27211), (795, 27382), (796, 27385), (811, 27433), (824, 27460), (833, 27487), (859, 27541), (890, 27658), (896, 27679), (907, 27706),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 149

Candidate Starts for Pumbaa_27:

(Start: 128 @19778 has 37 MA's), (Start: 149 @19802 has 636 MA's), (183, 19844), (Start: 195 @19859 has 1 MA's), (Start: 233 @19913 has 2 MA's), (238, 19928), (Start: 246 @19946 has 1 MA's), (280, 20030), (284, 20042), (285, 20045), (315, 20120), (319, 20135), (336, 20174), (389, 20291), (428, 20378), (472, 20459), (499, 20507), (510, 20531), (542, 20618), (560, 20663), (594, 20735), (601, 20756), (609, 20774), (653, 20855), (684, 20948), (686, 20957), (692, 20981), (697, 20987), (702, 21011), (731, 21065), (744, 21086), (761, 21137), (770, 21161), (786, 21215), (813, 21311), (859, 21416), (862, 21431), (893, 21539), (899, 21557),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 196

Candidate Starts for Pumpkin_26:

(Start: 134 @19826 has 130 MA's), (Start: 196 @19910 has 48 MA's), (Start: 246 @19988 has 1 MA's), (280, 20075), (286, 20090), (305, 20138), (320, 20177), (361, 20264), (377, 20297), (394, 20333), (402, 20363), (405, 20369), (458, 20438), (477, 20468), (481, 20480), (482, 20483), (512, 20540), (575, 20672), (578, 20678), (602, 20744), (604, 20750), (612, 20774), (628, 20822), (642, 20846), (647, 20855), (672, 20930), (721, 20981), (726, 20996), (786, 21158), (792, 21185), (801, 21215), (843, 21320), (879, 21398), (886, 21434), (889, 21443), (899, 21476), (906, 21491),

Gene: Pumpkiney_36 Start: 28077, Stop: 29699, Start Num: 214

Candidate Starts for Pumpkiney_36:

(Start: 214 @28077 has 22 MA's), (232, 28098), (237, 28110), (261, 28161), (281, 28224), (310, 28296), (346, 28383), (370, 28434), (385, 28464), (414, 28545), (483, 28671), (502, 28701), (517, 28743), (518, 28746), (545, 28806), (574, 28854), (578, 28863), (614, 28962), (633, 29001), (640, 29013), (679, 29130), (722, 29169), (740, 29208), (761, 29265), (763, 29271), (775, 29304), (777, 29313), (790, 29370), (793, 29382), (808, 29430), (811, 29439), (813, 29445), (824, 29466), (835, 29499), (862, 29544), (899, 29673), (901, 29682),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 208

Candidate Starts for Puppies_18:

(Start: 208 @15139 has 12 MA's), (260, 15235), (321, 15403), (350, 15466), (404, 15589), (470, 15706), (508, 15784), (531, 15859), (551, 15892), (594, 15985), (601, 16006), (650, 16123), (667, 16165), (671, 16183), (678, 16195), (679, 16198), (750, 16303), (753, 16309), (758, 16324), (777, 16381), (862, 16600), (890, 16699),

Gene: Puppet_27 Start: 21164, Stop: 22966, Start Num: 151

Candidate Starts for Puppet_27:

(Start: 151 @21164 has 225 MA's), (Start: 167 @21185 has 5 MA's), (Start: 195 @21227 has 1 MA's), (228, 21272), (315, 21488), (333, 21533), (336, 21542), (353, 21581), (377, 21632), (378, 21635), (476, 21830), (510, 21899), (593, 22100), (594, 22103), (601, 22124), (652, 22220), (653, 22223), (655, 22229), (679, 22298), (684, 22316), (686, 22325), (697, 22355), (731, 22451), (747, 22484), (753, 22499), (795, 22640), (813, 22697), (861, 22808),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 149

Candidate Starts for Puppy_28:

(Start: 149 @19523 has 636 MA's), (Start: 195 @19580 has 1 MA's), (238, 19649), (280, 19751), (284, 19763), (285, 19766), (315, 19841), (319, 19856), (336, 19895), (397, 20030), (428, 20099), (487, 20213), (542, 20339), (601, 20477), (609, 20495), (653, 20576), (679, 20651), (684, 20669), (686, 20678), (692, 20702), (697, 20708), (700, 20723), (712, 20756), (730, 20801), (731, 20804), (744, 20825), (747, 20837), (770, 20900), (813, 21050), (859, 21155), (861, 21161), (899, 21296),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Purgamenstris_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 122

Candidate Starts for Purky_18:

(Start: 122 @15971 has 48 MA's), (185, 16055), (225, 16106), (227, 16109), (260, 16175), (265, 16196), (274, 16214), (284, 16247), (294, 16271), (339, 16379), (344, 16391), (361, 16430), (363, 16436), (377, 16466), (388, 16490), (408, 16547), (409, 16550), (458, 16607), (473, 16646), (475, 16652), (483, 16676), (512, 16730), (518, 16751), (545, 16811), (583, 16889), (609, 16961), (628, 17027), (642, 17051), (650, 17075), (660, 17105), (667, 17117), (733, 17219), (741, 17231), (784, 17357), (807, 17441), (811, 17453), (834, 17510), (906, 17696),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 149

Candidate Starts for PurpleHaze_29:

(Start: 149 @20459 has 636 MA's), (Start: 195 @20516 has 1 MA's), (205, 20531), (238, 20585), (245, 20600), (280, 20687), (284, 20699), (285, 20702), (315, 20777), (319, 20792), (428, 21035), (510, 21188), (542, 21275), (587, 21368), (593, 21389), (601, 21413), (606, 21425), (609, 21431), (653, 21512), (679, 21587), (684, 21605), (686, 21614), (692, 21638), (697, 21644), (700, 21659), (706, 21683), (730, 21737), (731, 21740), (744, 21761), (859, 22091), (861, 22097), (899, 22232),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 122

Candidate Starts for Pygmy_18:

(Start: 107 @16084 has 2 MA's), (Start: 122 @16108 has 48 MA's), (Start: 170 @16168 has 41 MA's), (183, 16189), (185, 16192), (260, 16312), (274, 16351), (284, 16384), (294, 16408), (344, 16528), (361, 16567), (363, 16573), (399, 16657), (401, 16663), (405, 16675), (413, 16699), (442, 16726), (458, 16744), (473, 16783), (475, 16789), (483, 16813), (512, 16867), (516, 16879), (518, 16888), (545, 16948), (583, 17026), (597, 17065), (609, 17098), (628, 17164), (636, 17179), (642, 17188), (650, 17212), (660, 17242), (667, 17254), (733, 17356), (741, 17368), (744, 17371), (746, 17377), (748, 17386), (784, 17494), (807, 17578), (852, 17677), (889, 17785), (906, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 117

Candidate Starts for Pytheas_20:

(Start: 100 @17652 has 1 MA's), (Start: 117 @17676 has 26 MA's), (197, 17781), (230, 17823), (265, 17898), (313, 18012), (373, 18159), (377, 18165), (470, 18348), (508, 18423), (652, 18705), (658, 18726), (684, 18801), (740, 18924), (753, 18957), (755, 18963), (787, 19029), (795, 19059), (859, 19215), (861, 19221), (864, 19239), (896, 19350),

Gene: QTRLifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 151

Candidate Starts for QTRLifeCrisis_27:

(Start: 151 @21720 has 225 MA's), (Start: 167 @21741 has 5 MA's), (Start: 195 @21783 has 1 MA's), (228, 21828), (315, 22044), (333, 22089), (336, 22098), (353, 22137), (377, 22188), (378, 22191), (476, 22386), (510, 22455), (593, 22656), (594, 22659), (601, 22680), (652, 22776), (653, 22779), (655, 22785), (679, 22854), (684, 22872), (686, 22881), (697, 22911), (731, 23007), (747, 23040), (753, 23055), (795, 23196), (813, 23253), (861, 23364),

Gene: Qhanda_25 Start: 18642, Stop: 20429, Start Num: 118

Candidate Starts for Qhanda_25:

(Start: 95 @18603 has 1 MA's), (Start: 111 @18633 has 26 MA's), (Start: 116 @18639 has 42 MA's), (Start: 118 @18642 has 152 MA's), (Start: 171 @18699 has 8 MA's), (205, 18747), (Start: 233 @18786 has 2 MA's), (238, 18801), (Start: 246 @18819 has 1 MA's), (262, 18852), (273, 18882), (288, 18927), (294, 18945), (317, 19017), (319, 19023), (333, 19053), (361, 19119), (365, 19131), (420, 19266), (455, 19314), (459, 19320), (467, 19338), (477, 19368), (496, 19407), (574, 19533), (597, 19593), (598, 19596), (604, 19614), (610, 19629), (669, 19797), (686, 19851), (718, 19896), (739, 19941), (749, 19965), (761, 19998), (773, 20031), (792, 20103), (795, 20115), (811, 20166), (813, 20172), (864, 20274), (900, 20400), (910, 20421),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 146

Candidate Starts for Qobbit_30:

(Start: 146 @21776 has 12 MA's), (Start: 149 @21779 has 636 MA's), (284, 22013), (285, 22016), (314, 22088), (315, 22091), (319, 22106), (336, 22145), (339, 22151), (389, 22262), (428, 22349), (472, 22430), (476, 22433), (553, 22619), (587, 22682), (594, 22706), (596, 22712), (609, 22745), (653, 22826), (692, 22952), (705, 22994), (731, 23054), (747, 23087), (753, 23102), (785, 23201), (786, 23204), (788, 23216), (813, 23300), (842, 23366), (859, 23405), (861, 23411), (872, 23456), (889, 23513), (890, 23516),

Gene: Qualification_25 Start: 19952, Stop: 21631, Start Num: 134

Candidate Starts for Qualification_25:

(Start: 134 @19952 has 130 MA's), (Start: 196 @20036 has 48 MA's), (Start: 246 @20114 has 1 MA's), (280, 20201), (286, 20216), (305, 20264), (320, 20303), (361, 20390), (377, 20423), (394, 20459), (402, 20489), (405, 20495), (458, 20564), (477, 20594), (481, 20606), (482, 20609), (512, 20666), (575, 20798), (578, 20804), (602, 20870), (604, 20876), (612, 20900), (628, 20948), (642, 20972), (647, 20981), (672, 21056), (721, 21107), (726, 21122), (786, 21284), (792, 21311), (801, 21341), (843, 21446), (879, 21524), (886, 21560), (889, 21569), (899, 21602), (906, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 149

Candidate Starts for Quasar_18:

(Start: 139 @16338 has 9 MA's), (Start: 149 @16341 has 636 MA's), (274, 16551), (315, 16674), (335, 16725), (373, 16812), (378, 16821), (388, 16842), (395, 16857), (398, 16869), (441, 16947), (449, 16959), (463, 16986), (475, 17019), (487, 17052), (496, 17064), (584, 17229), (611, 17301), (653, 17379), (657, 17394), (664, 17412), (684, 17469), (731, 17562), (748, 17598), (753, 17610), (755, 17616), (760, 17628), (769, 17637), (794, 17709), (795, 17712), (797, 17718), (801, 17730), (824, 17790), (842, 17835), (847, 17844), (861, 17877), (881, 17943),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 149

Candidate Starts for QueenB2_28:

(98, 20170), (Start: 128 @20212 has 37 MA's), (Start: 149 @20236 has 636 MA's), (284, 20470), (285, 20473), (314, 20545), (315, 20548), (336, 20602), (353, 20641), (373, 20686), (389, 20719), (428, 20806), (472, 20887), (476, 20890), (594, 21163), (653, 21283), (692, 21409), (718, 21463), (721, 21472), (731, 21493), (747, 21526), (753, 21541), (755, 21547), (774, 21601), (785, 21640), (788, 21655), (813, 21739), (861, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for QueenBeesly_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (231, 20217), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (692, 21291), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (792, 21552), (813, 21621), (861, 21732), (899, 21867),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 137

Candidate Starts for QueenHazel_19:

(67, 16344), (74, 16371), (76, 16374), (83, 16383), (Start: 118 @16464 has 152 MA's), (Start: 137 @16491 has 56 MA's), (Start: 214 @16590 has 22 MA's), (219, 16599), (254, 16665), (264, 16689), (284, 16749), (286, 16752), (297, 16779), (376, 16959), (388, 16983), (394, 16995), (401, 17019), (475, 17145), (480, 17160), (483, 17169), (506, 17205), (512, 17223), (531, 17283), (618, 17475), (624, 17484), (642, 17517), (721, 17661), (741, 17706), (777, 17808), (779, 17817), (784, 17835), (785, 17838), (813, 17937), (835, 17997), (846, 18015), (859, 18051), (862, 18066), (879, 18114), (896, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 129

Candidate Starts for QuickMath_17:

(Start: 129 @16152 has 222 MA's), (199, 16239), (Start: 233 @16284 has 2 MA's), (242, 16308), (283, 16413), (286, 16419), (292, 16437), (305, 16467), (350, 16572), (355, 16578), (379, 16632), (383, 16641), (389, 16653), (394, 16662), (401, 16686), (460, 16773), (467, 16788), (475, 16812), (480, 16827), (482, 16833), (504, 16869), (506, 16872), (511, 16884), (512, 16890), (526, 16938), (531, 16950), (535, 16956), (574, 17016), (579, 17028), (593, 17064), (597, 17076), (604, 17097), (624, 17151), (628, 17160), (638, 17178), (642, 17184), (652, 17214), (718, 17319), (721, 17328), (722, 17331), (738, 17367), (763, 17433), (766, 17445), (794, 17544), (801, 17565), (811, 17598), (826, 17628), (835, 17658), (841, 17667), (844, 17673), (859, 17688), (860, 17691), (865, 17715), (876, 17745), (881, 17757), (886, 17787), (899, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 129

Candidate Starts for Quico_17:

(Start: 129 @14636 has 222 MA's), (199, 14723), (Start: 233 @14768 has 2 MA's), (242, 14792), (283, 14897), (286, 14903), (292, 14921), (305, 14951), (350, 15056), (379, 15116), (389, 15137), (394, 15146), (401, 15170), (475, 15296), (480, 15311), (482, 15317), (490, 15335), (493, 15338), (504, 15353), (506, 15356), (511, 15368), (512, 15374), (515, 15383), (526, 15422), (531, 15434), (535, 15440), (574, 15500), (593, 15548), (597, 15560), (624, 15635), (628, 15644), (638, 15662), (642, 15668), (652, 15698), (718, 15803), (722, 15815), (738, 15851), (766, 15929), (794, 16028), (801, 16049), (811, 16082), (826, 16112), (835, 16142), (841, 16151), (844, 16157), (859, 16172), (860, 16175), (864, 16196), (865, 16199), (881, 16241), (886, 16271), (899, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 118

Candidate Starts for QuincyRose_22:

(Start: 118 @17168 has 152 MA's), (143, 17198), (Start: 246 @17357 has 1 MA's), (262, 17390), (273, 17420), (283, 17453), (288, 17465), (317, 17555), (335, 17597), (365, 17669), (369, 17678), (389, 17717), (405, 17762), (412, 17783), (413, 17786), (445, 17840), (459, 17858), (475, 17900), (477, 17906), (487, 17933), (574, 18071), (582, 18089), (597, 18131), (603, 18149), (614, 18179), (628, 18206), (669, 18311), (749, 18470), (762, 18506), (776, 18545), (795, 18620), (811, 18671), (889, 18866), (900, 18905), (901, 18908), (910, 18926),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for QuinnKiro_27:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Quokka_26 Start: 19074, Stop: 20864, Start Num: 149

Candidate Starts for Quokka_26:

(98, 19008), (Start: 128 @19050 has 37 MA's), (Start: 149 @19074 has 636 MA's), (Start: 246 @19212 has 1 MA's), (255, 19227), (284, 19308), (285, 19311), (314, 19383), (315, 19386), (336, 19440), (339, 19446), (345, 19464), (373, 19524), (389, 19557), (393, 19563), (405, 19602), (428, 19644), (472, 19725), (476, 19728), (506, 19788), (553, 19914), (593, 19998), (609, 20040), (639, 20091), (653, 20121), (692, 20247), (715, 20310), (747, 20382), (753, 20397), (761, 20421), (785, 20496), (788, 20511), (813, 20595), (859, 20700), (861, 20706), (864, 20724), (872, 20751), (876, 20760),

Gene: RADical_19 Start: 15730, Stop: 17430, Start Num: 139

Candidate Starts for RADical_19:

(Start: 139 @15730 has 9 MA's), (Start: 149 @15733 has 636 MA's), (274, 15943), (315, 16066), (335, 16117), (373, 16204), (378, 16213), (388, 16234), (395, 16249), (398, 16261), (441, 16339), (449, 16351), (463, 16378), (475, 16411), (487, 16444), (496, 16456), (514, 16498), (584, 16621), (611, 16693), (653, 16771), (657, 16786), (664, 16804), (684, 16861), (731, 16954), (748, 16990), (753, 17002), (755, 17008), (760, 17020), (769, 17029), (794, 17101), (795, 17104), (797, 17110), (801, 17122), (824, 17182), (842, 17227), (847, 17236), (861, 17269), (881, 17335),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 216

Candidate Starts for REQ2_20:

(Start: 216 @19089 has 1 MA's), (261, 19173), (274, 19212), (325, 19347), (363, 19428), (394, 19491), (480, 19671), (481, 19674), (482, 19677), (512, 19737), (526, 19785), (565, 19848), (574, 19866), (579, 19878), (589, 19902), (597, 19926), (601, 19938), (614, 19974), (667, 20073), (678, 20103),

(679, 20106), (733, 20175), (746, 20196), (761, 20241), (766, 20259), (777, 20289), (790, 20340), (807, 20397), (826, 20439), (892, 20616),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 157

Candidate Starts for REQ3_50:

(Start: 146 @32259 has 12 MA's), (Start: 157 @32274 has 6 MA's), (165, 32283), (272, 32466), (275, 32475), (294, 32538), (304, 32550), (315, 32583), (333, 32625), (335, 32631), (361, 32691), (373, 32718), (377, 32724), (397, 32769), (408, 32805), (427, 32835), (441, 32853), (469, 32904), (480, 32928), (506, 32976), (554, 33054), (616, 33195), (637, 33222), (649, 33243), (652, 33252), (684, 33348), (685, 33354), (697, 33387), (717, 33408), (777, 33522), (797, 33597), (892, 33873), (896, 33885), (901, 33903), (906, 33909),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 172

Candidate Starts for RER2_16:

(Start: 163 @13206 has 3 MA's), (Start: 172 @13221 has 32 MA's), (223, 13290), (241, 13326), (273, 13398), (315, 13512), (368, 13641), (389, 13683), (397, 13701), (399, 13710), (Start: 407 @13734 has 1 MA's), (416, 13752), (436, 13776), (441, 13782), (451, 13797), (453, 13800), (476, 13848), (587, 14049), (594, 14073), (652, 14187), (679, 14265), (689, 14304), (692, 14316), (718, 14346), (753, 14424), (809, 14571), (853, 14670), (859, 14685), (906, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 223

Candidate Starts for RGL3_16:

(Start: 145 @13356 has 2 MA's), (Start: 163 @13368 has 3 MA's), (Start: 172 @13383 has 32 MA's), (223, 13452), (241, 13488), (259, 13521), (273, 13560), (294, 13629), (315, 13674), (319, 13689), (368, 13803), (373, 13812), (401, 13878), (Start: 407 @13896 has 1 MA's), (416, 13914), (441, 13944), (451, 13959), (453, 13962), (470, 14001), (476, 14010), (487, 14040), (560, 14160), (594, 14232), (609, 14271), (639, 14319), (652, 14346), (689, 14463), (692, 14475), (718, 14505), (753, 14583), (809, 14730), (835, 14796), (853, 14829), (859, 14844), (906, 14997),

Gene: RSchmailzl_19 Start: 15873, Stop: 17573, Start Num: 139

Candidate Starts for RSchmailzl_19:

(Start: 139 @15873 has 9 MA's), (Start: 149 @15876 has 636 MA's), (274, 16086), (315, 16209), (317, 16218), (335, 16260), (373, 16347), (378, 16356), (388, 16377), (395, 16392), (398, 16404), (441, 16482), (449, 16494), (463, 16521), (475, 16554), (487, 16587), (496, 16599), (514, 16641), (584, 16764), (611, 16836), (653, 16914), (657, 16929), (664, 16947), (684, 17004), (731, 17097), (748, 17133), (753, 17145), (755, 17151), (760, 17163), (769, 17172), (794, 17244), (795, 17247), (797, 17253), (801, 17265), (824, 17325), (842, 17370), (847, 17379), (861, 17412), (881, 17478),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 111

Candidate Starts for Rabbs_18:

(Start: 111 @16648 has 26 MA's), (Start: 137 @16657 has 56 MA's), (143, 16663), (147, 16669), (205, 16747), (238, 16801), (262, 16852), (273, 16882), (280, 16906), (315, 17008), (331, 17047), (333, 17053), (339, 17068), (408, 17233), (429, 17290), (459, 17329), (475, 17371), (477, 17377), (496, 17416), (558, 17515), (574, 17542), (662, 17770), (669, 17788), (679, 17815), (722, 17899), (735, 17917), (745, 17932), (765, 17995), (786, 18058), (791, 18082), (801, 18115), (813, 18154), (831, 18196), (889, 18343), (910, 18403),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 149

Candidate Starts for Rachaly_31:

(Start: 128 @21810 has 37 MA's), (Start: 149 @21834 has 636 MA's), (265, 22017), (284, 22068), (285, 22071), (314, 22143), (315, 22146), (336, 22200), (353, 22239), (389, 22317), (428, 22404), (472, 22485), (476, 22488), (496, 22530), (553, 22674), (587, 22737), (594, 22761), (609, 22800), (653, 22881), (697, 23013), (747, 23124), (753, 23139), (755, 23145), (764, 23175), (774, 23199),

(785, 23238), (788, 23253), (797, 23286), (813, 23337), (849, 23415), (859, 23442), (861, 23448), (876, 23502),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 129

Candidate Starts for Radiance_16:

(Start: 129 @14789 has 222 MA's), (199, 14876), (Start: 233 @14921 has 2 MA's), (242, 14945), (265, 15002), (283, 15050), (286, 15056), (292, 15074), (305, 15104), (350, 15209), (379, 15269), (383, 15278), (394, 15299), (401, 15323), (413, 15359), (415, 15365), (453, 15398), (455, 15401), (460, 15410), (467, 15425), (469, 15431), (475, 15449), (480, 15464), (482, 15470), (490, 15488), (493, 15491), (504, 15506), (506, 15509), (511, 15521), (512, 15527), (526, 15575), (531, 15587), (535, 15593), (574, 15653), (579, 15665), (593, 15701), (597, 15713), (624, 15788), (628, 15797), (638, 15815), (642, 15821), (652, 15851), (718, 15956), (721, 15965), (722, 15968), (738, 16004), (766, 16082), (794, 16181), (801, 16202), (811, 16235), (826, 16265), (835, 16295), (841, 16304), (844, 16310), (859, 16325), (860, 16328), (865, 16352), (876, 16382), (881, 16394), (886, 16424), (899, 16466),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for Rahalelujah_27:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (228, 19702), (231, 19705), (274, 19807), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (336, 19972), (339, 19978), (377, 20062), (389, 20089), (393, 20095), (395, 20101), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (553, 20446), (587, 20509), (594, 20533), (606, 20566), (609, 20572), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (842, 21193), (859, 21232), (861, 21238), (872, 21283),

Gene: Raid_27 Start: 21169, Stop: 22971, Start Num: 151

Candidate Starts for Raid_27:

(Start: 151 @21169 has 225 MA's), (Start: 167 @21190 has 5 MA's), (Start: 195 @21232 has 1 MA's), (228, 21277), (315, 21493), (333, 21538), (336, 21547), (353, 21586), (377, 21637), (378, 21640), (476, 21835), (510, 21904), (593, 22105), (594, 22108), (601, 22129), (652, 22225), (653, 22228), (655, 22234), (679, 22303), (684, 22321), (686, 22330), (697, 22360), (731, 22456), (747, 22489), (753, 22504), (795, 22645), (813, 22702), (861, 22813),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 151

Candidate Starts for Rajelicia_27:

(Start: 151 @20881 has 225 MA's), (Start: 167 @20902 has 5 MA's), (Start: 195 @20944 has 1 MA's), (228, 20989), (315, 21205), (333, 21250), (336, 21259), (377, 21349), (378, 21352), (416, 21445), (476, 21547), (510, 21616), (589, 21805), (593, 21817), (594, 21820), (601, 21841), (652, 21937), (653, 21940), (655, 21946), (679, 22015), (684, 22033), (686, 22042), (697, 22072), (731, 22168), (747, 22201), (753, 22216), (795, 22357), (813, 22414), (861, 22525),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 196

Candidate Starts for Rakim_25:

(Start: 134 @19859 has 130 MA's), (Start: 196 @19943 has 48 MA's), (Start: 246 @20021 has 1 MA's), (280, 20108), (286, 20123), (305, 20171), (320, 20210), (361, 20297), (377, 20330), (394, 20366), (402, 20396), (405, 20402), (458, 20471), (477, 20501), (481, 20513), (482, 20516), (512, 20573), (575, 20705), (578, 20711), (602, 20777), (604, 20783), (612, 20807), (628, 20855), (642, 20879), (647, 20888), (672, 20963), (721, 21014), (726, 21029), (786, 21191), (792, 21218), (801, 21248), (843, 21353), (879, 21431), (886, 21467), (889, 21476), (899, 21509), (906, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 118

Candidate Starts for Ramen_23:

(Start: 118 @17154 has 152 MA's), (143, 17184), (Start: 246 @17343 has 1 MA's), (262, 17376), (273, 17406), (283, 17439), (288, 17451), (317, 17541), (335, 17583), (365, 17655), (369, 17664), (389, 17703), (405, 17748), (412, 17769), (413, 17772), (445, 17826), (459, 17844), (475, 17886), (477, 17892), (487, 17919), (574, 18057), (582, 18075), (597, 18117), (603, 18135), (614, 18165), (628, 18192), (669, 18297), (749, 18456), (762, 18492), (773, 18522), (776, 18531), (795, 18606), (811, 18657), (889, 18852), (900, 18891), (901, 18894), (910, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 129

Candidate Starts for Ramsey_17:

(Start: 129 @14835 has 222 MA's), (199, 14922), (Start: 233 @14967 has 2 MA's), (242, 14991), (283, 15096), (286, 15102), (292, 15120), (305, 15150), (350, 15255), (379, 15315), (389, 15336), (394, 15345), (401, 15369), (453, 15444), (475, 15495), (480, 15510), (482, 15516), (504, 15552), (506, 15555), (511, 15567), (512, 15573), (526, 15621), (531, 15633), (535, 15639), (574, 15699), (579, 15711), (593, 15747), (597, 15759), (624, 15834), (628, 15843), (638, 15861), (642, 15867), (652, 15897), (718, 16002), (722, 16014), (738, 16050), (766, 16128), (794, 16227), (801, 16248), (811, 16281), (826, 16311), (835, 16341), (839, 16347), (841, 16350), (844, 16356), (859, 16371), (860, 16374), (864, 16395), (865, 16398), (881, 16440), (899, 16512), (900, 16518),

Gene: RanchParmCat_21 Start: 15469, Stop: 17157, Start Num: 149

Candidate Starts for RanchParmCat_21:

(48, 15154), (119, 15439), (Start: 139 @15466 has 9 MA's), (Start: 149 @15469 has 636 MA's), (Start: 215 @15553 has 57 MA's), (274, 15676), (284, 15709), (301, 15754), (361, 15910), (373, 15937), (388, 15967), (416, 16039), (441, 16069), (449, 16081), (463, 16108), (487, 16174), (522, 16255), (555, 16297), (560, 16306), (571, 16324), (591, 16369), (627, 16453), (651, 16489), (652, 16492), (653, 16495), (655, 16501), (657, 16510), (664, 16528), (684, 16585), (748, 16714), (753, 16726), (758, 16741), (769, 16753), (794, 16825), (795, 16828), (796, 16831), (801, 16846), (830, 16927), (861, 16996), (862, 17005), (899, 17134), (906, 17149),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Rapunzel97_23:

(Start: 118 @17155 has 152 MA's), (143, 17185), (Start: 246 @17344 has 1 MA's), (262, 17377), (273, 17407), (283, 17440), (288, 17452), (317, 17542), (335, 17584), (365, 17656), (369, 17665), (389, 17704), (405, 17749), (412, 17770), (413, 17773), (445, 17827), (459, 17845), (475, 17887), (477, 17893), (487, 17920), (574, 18058), (582, 18076), (597, 18118), (603, 18136), (614, 18166), (628, 18193), (669, 18298), (749, 18457), (762, 18493), (773, 18523), (776, 18532), (795, 18607), (811, 18658), (862, 18757), (889, 18853), (900, 18892), (901, 18895), (910, 18913),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 172

Candidate Starts for Rasputin_23:

(Start: 163 @16302 has 3 MA's), (Start: 172 @16317 has 32 MA's), (223, 16386), (241, 16422), (315, 16608), (368, 16737), (389, 16779), (399, 16806), (Start: 407 @16830 has 1 MA's), (416, 16848), (441, 16878), (451, 16893), (476, 16944), (514, 17028), (587, 17145), (594, 17169), (652, 17283), (668, 17331), (679, 17361), (689, 17400), (692, 17412), (718, 17442), (753, 17520), (809, 17667), (818, 17691), (833, 17727), (853, 17766), (906, 17934),

Gene: Rattrick_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Rattrick_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Ravana_30 Start: 19057, Stop: 20844, Start Num: 149

Candidate Starts for Ravana_30:

(98, 18991), (Start: 128 @19033 has 37 MA's), (Start: 149 @19057 has 636 MA's), (Start: 246 @19195 has 1 MA's), (272, 19252), (285, 19294), (302, 19330), (315, 19369), (343, 19438), (353, 19462), (378, 19516), (455, 19666), (476, 19711), (487, 19741), (509, 19777), (524, 19828), (540, 19864), (560, 19912), (590, 19972), (652, 20101), (679, 20179), (753, 20380), (755, 20386), (786, 20482), (845, 20647), (879, 20746),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 179

Candidate Starts for RavenCo17_17:

(77, 15379), (Start: 91 @15415 has 1 MA's), (Start: 179 @15550 has 33 MA's), (248, 15667), (295, 15817), (338, 15913), (347, 15940), (388, 16030), (389, 16033), (395, 16045), (471, 16219), (519, 16336), (526, 16360), (568, 16408), (626, 16525), (654, 16582), (666, 16621), (685, 16678), (761, 16807), (847, 17062), (849, 17065), (864, 17113), (873, 17143),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 154

Candidate Starts for RayTheFireFly_19:

(Start: 126 @17499 has 1 MA's), (Start: 154 @17529 has 7 MA's), (231, 17631), (253, 17682), (275, 17739), (290, 17790), (317, 17868), (319, 17874), (388, 18024), (453, 18147), (477, 18207), (494, 18243), (513, 18285), (547, 18327), (554, 18351), (571, 18381), (684, 18642), (713, 18717), (736, 18759), (755, 18804), (795, 18900), (796, 18903), (801, 18918), (863, 19077), (864, 19083), (890, 19170), (906, 19215),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Raymond7_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592), (881, 16598),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 149

Candidate Starts for ReMo_30:

(98, 19027), (Start: 128 @19069 has 37 MA's), (Start: 149 @19093 has 636 MA's), (Start: 246 @19231 has 1 MA's), (272, 19288), (285, 19330), (302, 19366), (315, 19405), (343, 19474), (353, 19498), (378, 19552), (455, 19702), (476, 19747), (487, 19777), (509, 19813), (524, 19864), (540, 19900), (560, 19948), (590, 20008), (652, 20137), (679, 20215), (753, 20416), (755, 20422), (786, 20518), (845, 20683), (879, 20782),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 128

Candidate Starts for Rearden_31:

(Start: 128 @23859 has 37 MA's), (Start: 196 @23949 has 48 MA's), (199, 23952), (257, 24054), (280, 24120), (294, 24156), (307, 24186), (312, 24201), (345, 24282), (346, 24285), (363, 24321), (377, 24348), (395, 24387), (405, 24420), (408, 24429), (455, 24486), (472, 24528), (509, 24603), (512, 24615), (531, 24675), (561, 24729), (575, 24759), (583, 24777), (588, 24786), (598, 24819), (602, 24831), (604, 24837), (616, 24876), (642, 24933), (726, 25083), (733, 25101), (753, 25143), (761, 25167), (762, 25170), (766, 25185), (777, 25215), (786, 25245), (801, 25302), (867, 25452), (906, 25578),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 149

Candidate Starts for Reba_30:

(Start: 149 @20125 has 636 MA's), (Start: 195 @20182 has 1 MA's), (205, 20197), (238, 20251), (245, 20266), (280, 20353), (284, 20365), (285, 20368), (315, 20443), (319, 20458), (428, 20701), (510, 20854), (542, 20941), (587, 21034), (593, 21055), (601, 21079), (606, 21091), (609, 21097), (653, 21178), (679, 21253), (684, 21271), (686, 21280), (692, 21304), (697, 21310), (706, 21349), (730, 21403), (731, 21406), (744, 21427), (813, 21652), (859, 21757), (861, 21763), (899, 21898),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Rebel_18:

(Start: 134 @14990 has 130 MA's), (155, 15017), (183, 15056), (Start: 233 @15122 has 2 MA's), (237, 15134), (254, 15170), (264, 15194), (274, 15221), (280, 15242), (283, 15251), (286, 15257), (301, 15290), (376, 15464), (379, 15470), (383, 15479), (388, 15488), (394, 15500), (401, 15524), (415, 15566), (453, 15599), (475, 15650), (476, 15653), (480, 15665), (504, 15707), (511, 15722), (512, 15728), (526, 15776), (554, 15830), (574, 15854), (601, 15926), (618, 15980), (624, 15989), (628, 15998), (642, 16022), (651, 16049), (652, 16052), (718, 16157), (721, 16166), (738, 16205), (768, 16286), (785, 16343), (794, 16382), (835, 16496), (859, 16526), (860, 16529), (865, 16553), (879, 16589),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 149

Candidate Starts for Rebeuca_28:

(Start: 149 @19987 has 636 MA's), (Start: 195 @20044 has 1 MA's), (205, 20059), (231, 20092), (238, 20113), (280, 20215), (284, 20227), (285, 20230), (315, 20305), (319, 20320), (336, 20359), (389, 20476), (395, 20488), (397, 20494), (428, 20563), (461, 20617), (470, 20638), (487, 20677), (510, 20716), (542, 20803), (560, 20848), (587, 20896), (593, 20917), (601, 20941), (606, 20953), (609, 20959), (653, 21040), (684, 21133), (686, 21142), (692, 21166), (697, 21172), (700, 21187), (718, 21220), (744, 21271), (749, 21289), (795, 21439), (813, 21496), (826, 21520), (828, 21526), (859, 21601), (861, 21607), (862, 21616), (879, 21667), (899, 21742),

Gene: RedBaron_20 Start: 15776, Stop: 17473, Start Num: 149

Candidate Starts for RedBaron_20:

(119, 15746), (Start: 139 @15773 has 9 MA's), (Start: 149 @15776 has 636 MA's), (274, 15986), (315, 16109), (335, 16160), (373, 16247), (395, 16292), (398, 16304), (441, 16382), (449, 16394), (463, 16421), (475, 16454), (487, 16487), (496, 16499), (514, 16541), (584, 16664), (611, 16736), (653, 16814), (657, 16829), (664, 16847), (684, 16904), (731, 16997), (748, 17033), (753, 17045), (755, 17051), (760, 17063), (769, 17072), (794, 17144), (795, 17147), (797, 17153), (801, 17165), (824, 17225), (842, 17270), (847, 17279), (861, 17312), (881, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 129

Candidate Starts for RedBird_16:

(Start: 129 @14766 has 222 MA's), (199, 14853), (Start: 233 @14898 has 2 MA's), (242, 14922), (283, 15027), (286, 15033), (292, 15051), (305, 15081), (350, 15186), (379, 15246), (389, 15267), (394, 15276), (401, 15300), (475, 15426), (480, 15441), (482, 15447), (504, 15483), (506, 15486), (511, 15498), (512, 15504), (526, 15552), (531, 15564), (535, 15570), (574, 15630), (579, 15642), (593, 15678), (597, 15690), (624, 15765), (628, 15774), (638, 15792), (642, 15798), (652, 15828), (718, 15933), (721, 15942), (722, 15945), (738, 15981), (766, 16059), (794, 16158), (801, 16179), (811, 16212), (826, 16242), (835, 16272), (841, 16281), (844, 16287), (859, 16302), (860, 16305), (865, 16329), (881, 16371), (886, 16401), (899, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 170

Candidate Starts for RedRaider_48:

(Start: 170 @32716 has 41 MA's), (Start: 246 @32833 has 1 MA's), (273, 32911), (338, 33073), (343, 33085), (347, 33100), (381, 33166), (388, 33181), (435, 33292), (454, 33322), (456, 33325), (501,

33382), (525, 33454), (587, 33559), (626, 33646), (652, 33694), (717, 33820), (718, 33823), (731, 33856), (763, 33913), (801, 34042), (813, 34081), (865, 34186), (884, 34249), (886, 34261), (890, 34273), (905, 34318),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 149

Candidate Starts for RedRock_31:

(Start: 128 @22076 has 37 MA's), (Start: 149 @22100 has 636 MA's), (265, 22283), (285, 22337), (314, 22409), (315, 22412), (336, 22466), (339, 22472), (353, 22505), (389, 22583), (393, 22589), (397, 22601), (428, 22670), (470, 22745), (472, 22751), (476, 22754), (496, 22796), (554, 22943), (593, 23024), (594, 23027), (609, 23066), (648, 23132), (653, 23147), (697, 23279), (718, 23327), (744, 23378), (747, 23390), (753, 23405), (755, 23411), (774, 23465), (788, 23519), (813, 23603), (842, 23669), (859, 23708), (861, 23714),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Redi_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 128

Candidate Starts for Redno2_35:

(Start: 128 @27084 has 37 MA's), (Start: 196 @27174 has 48 MA's), (229, 27222), (242, 27252), (294, 27381), (307, 27411), (346, 27510), (363, 27546), (377, 27573), (405, 27645), (408, 27654), (415, 27675), (469, 27744), (482, 27783), (483, 27786), (490, 27801), (512, 27840), (526, 27888), (531, 27900), (535, 27906), (561, 27954), (566, 27963), (575, 27984), (583, 28002), (600, 28050), (638, 28152), (667, 28224), (683, 28269), (685, 28281), (694, 28416), (695, 28422), (696, 28446), (708, 28518), (716, 28545), (802, 28794),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 149

Candidate Starts for Refuge_31:

(98, 23046), (Start: 128 @23088 has 37 MA's), (Start: 136 @23097 has 1 MA's), (Start: 149 @23112 has 636 MA's), (255, 23265), (284, 23346), (285, 23349), (314, 23421), (315, 23424), (336, 23478), (339, 23484), (389, 23595), (428, 23682), (472, 23763), (476, 23766), (609, 24078), (653, 24159), (657, 24174), (736, 24378), (747, 24402), (753, 24417), (755, 24423), (761, 24441), (763, 24447), (785, 24516), (788, 24531), (797, 24564), (813, 24615), (899, 24861),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for Relief_27:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 116

Candidate Starts for Rem711_25:

(Start: 116 @19029 has 42 MA's), (189, 19101), (258, 19221), (316, 19401), (341, 19464), (363, 19515), (373, 19536), (395, 19581), (459, 19698), (460, 19701), (496, 19785), (499, 19788), (506, 19803), (512, 19821), (686, 20205), (687, 20211), (770, 20364), (804, 20484), (809, 20502), (879, 20655), (900, 20739), (901, 20742), (910, 20760),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 149

Candidate Starts for Remus_30:

(98, 18991), (Start: 128 @19033 has 37 MA's), (Start: 149 @19057 has 636 MA's), (Start: 246 @19195 has 1 MA's), (272, 19252), (285, 19294), (302, 19330), (315, 19369), (343, 19438), (353, 19462), (378, 19516), (455, 19666), (476, 19711), (487, 19741), (509, 19777), (524, 19828), (540, 19864), (560, 19912), (590, 19972), (652, 20101), (679, 20179), (753, 20380), (755, 20386), (786, 20482), (845, 20647), (879, 20746),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Remy19_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Renaissance_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 116

Candidate Starts for Reptar3000_24:

(Start: 95 @18327 has 1 MA's), (Start: 111 @18357 has 26 MA's), (Start: 116 @18363 has 42 MA's), (Start: 118 @18366 has 152 MA's), (205, 18468), (Start: 233 @18507 has 2 MA's), (238, 18522), (Start: 246 @18540 has 1 MA's), (262, 18573), (273, 18603), (288, 18648), (317, 18738), (319, 18744), (333, 18774), (361, 18840), (365, 18852), (420, 18987), (455, 19035), (459, 19041), (477, 19089), (496, 19128), (585, 19278), (598, 19317), (604, 19335), (613, 19362), (643, 19437), (669, 19518), (686, 19572), (718, 19617), (734, 19653), (739, 19662), (761, 19719), (773, 19752), (776, 19761), (792, 19824), (795, 19836), (811, 19887), (813, 19893), (862, 19986), (864, 19995), (900, 20121), (910, 20142),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for ResDef_28:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 149

Candidate Starts for Retro23_28:

(Start: 128 @20242 has 37 MA's), (Start: 149 @20266 has 636 MA's), (284, 20500), (285, 20503), (314, 20575), (315, 20578), (336, 20632), (353, 20671), (373, 20716), (389, 20749), (428, 20836), (472, 20917), (476, 20920), (594, 21193), (653, 21313), (692, 21439), (718, 21493), (747, 21556), (753, 21571), (755, 21577), (774, 21631), (785, 21670), (788, 21685), (813, 21769), (861, 21880), (899, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 172

Candidate Starts for RexFury_23:

(Start: 163 @16365 has 3 MA's), (Start: 172 @16380 has 32 MA's), (223, 16449), (241, 16485), (273, 16557), (315, 16671), (368, 16800), (389, 16842), (397, 16860), (399, 16869), (Start: 407 @16893 has 1 MA's), (416, 16911), (436, 16935), (441, 16941), (451, 16956), (453, 16959), (476, 17007), (587, 17208), (594, 17232), (652, 17346), (679, 17424), (689, 17463), (692, 17475), (718, 17505), (753, 17583), (809, 17730), (853, 17829), (859, 17844), (906, 17997),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 208

Candidate Starts for Reyja_19:

(Start: 208 @15160 has 12 MA's), (261, 15259), (267, 15283), (310, 15394), (311, 15397), (317, 15415), (321, 15424), (353, 15490), (360, 15505), (363, 15514), (365, 15520), (398, 15592), (404, 15610), (427, 15664), (439, 15673), (470, 15727), (482, 15763), (483, 15766), (528, 15874), (572, 15946), (574, 15952), (578, 15961), (586, 15979), (616, 16069), (649, 16138), (667, 16183), (671, 16201), (678, 16213), (731, 16279), (753, 16327), (757, 16339), (761, 16351), (768, 16372), (773, 16384), (777, 16399), (786, 16429), (794, 16465), (872, 16654), (890, 16717), (896, 16738), (906, 16762),

Gene: Rhodalysa_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Rhodalysa_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 149

Candidate Starts for RhynO_28:

(Start: 149 @19944 has 636 MA's), (Start: 195 @20001 has 1 MA's), (205, 20016), (231, 20049), (238, 20070), (280, 20172), (284, 20184), (285, 20187), (315, 20262), (319, 20277), (336, 20316), (389, 20433), (397, 20451), (428, 20520), (461, 20574), (470, 20595), (487, 20634), (510, 20673), (542, 20760), (560, 20805), (587, 20853), (593, 20874), (601, 20898), (606, 20910), (609, 20916), (653, 20997), (684, 21090), (686, 21099), (692, 21123), (697, 21129), (700, 21144), (718, 21177), (744, 21228), (749, 21246), (764, 21291), (795, 21396), (813, 21453), (826, 21477), (828, 21483), (859, 21558), (861, 21564), (862, 21573), (879, 21624), (899, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 151

Candidate Starts for Rhynn_27:

(Start: 151 @21169 has 225 MA's), (Start: 167 @21190 has 5 MA's), (Start: 195 @21232 has 1 MA's), (228, 21277), (315, 21493), (333, 21538), (336, 21547), (353, 21586), (377, 21637), (378, 21640), (476, 21835), (510, 21904), (593, 22105), (594, 22108), (601, 22129), (652, 22225), (653, 22228), (655, 22234), (679, 22303), (684, 22321), (686, 22330), (697, 22360), (731, 22456), (747, 22489), (753, 22504), (795, 22645), (813, 22702), (861, 22813),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 129

Candidate Starts for Rialto_18:

(Start: 129 @15316 has 222 MA's), (199, 15403), (Start: 215 @15424 has 57 MA's), (Start: 233 @15448 has 2 MA's), (242, 15472), (253, 15493), (283, 15577), (286, 15583), (292, 15601), (305, 15631), (350, 15736), (379, 15796), (389, 15817), (394, 15826), (401, 15850), (453, 15925), (455, 15928), (460, 15937), (467, 15952), (469, 15958), (475, 15976), (480, 15991), (482, 15997), (493, 16018), (504, 16033), (511, 16048), (512, 16054), (526, 16102), (531, 16114), (535, 16120), (574, 16180), (579, 16192), (593, 16228), (597, 16240), (624, 16315), (628, 16324), (638, 16342), (642, 16348), (652, 16378), (718, 16483), (722, 16495), (738, 16531), (766, 16609), (801, 16729), (811, 16762), (826, 16792), (829, 16804), (835, 16822), (839, 16828), (841, 16831), (844, 16837), (859, 16852), (860, 16855), (864, 16876), (865, 16879), (881, 16921), (886, 16951), (899, 16993), (900, 16999),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 102

Candidate Starts for Ribeye_35:

(Start: 102 @30796 has 86 MA's), (Start: 126 @30832 has 1 MA's), (223, 30961), (231, 30970), (272, 31066), (275, 31075), (297, 31144), (315, 31195), (333, 31240), (339, 31255), (345, 31273), (377, 31336), (397, 31381), (399, 31390), (467, 31510), (472, 31525), (480, 31549), (496, 31579), (609, 31801), (616, 31819), (620, 31834), (652, 31876), (660, 31906), (703, 32026), (749, 32119), (795, 32230), (796, 32233), (811, 32281), (824, 32308), (833, 32335), (859, 32389),

Gene: Richarlison_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Richarlison_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Richo_23:

(Start: 111 @16505 has 26 MA's), (Start: 118 @16514 has 152 MA's), (Start: 121 @16520 has 18 MA's), (143, 16544), (Start: 171 @16583 has 8 MA's), (Start: 233 @16670 has 2 MA's), (238, 16685), (Start: 246 @16703 has 1 MA's), (262, 16736), (317, 16901), (333, 16937), (365, 17015), (369, 17024), (412, 17129), (413, 17132), (428, 17171), (455, 17198), (459, 17204), (475, 17246), (477, 17252), (487, 17279), (574, 17417), (582, 17435), (614, 17525), (628, 17552), (647, 17585), (669, 17657), (686, 17711), (715, 17747), (723, 17771), (749, 17816), (761, 17849), (765, 17864), (773, 17882), (776, 17891), (795, 17966), (811, 18017), (813, 18023), (864, 18125), (900, 18251), (901, 18254), (910, 18272),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 151

Candidate Starts for RidgeCB_27:

(Start: 151 @20944 has 225 MA's), (Start: 167 @20965 has 5 MA's), (Start: 195 @21007 has 1 MA's), (228, 21052), (315, 21268), (333, 21313), (336, 21322), (353, 21361), (377, 21412), (378, 21415), (476, 21610), (510, 21679), (593, 21880), (594, 21883), (601, 21904), (652, 22000), (653, 22003), (655, 22009), (679, 22078), (684, 22096), (686, 22105), (697, 22135), (731, 22231), (747, 22264), (753, 22279), (795, 22420), (813, 22477), (861, 22588), (907, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 149

Candidate Starts for Rifter_31:

(98, 19896), (Start: 128 @19938 has 37 MA's), (Start: 149 @19962 has 636 MA's), (285, 20199), (314, 20271), (315, 20274), (319, 20289), (336, 20328), (339, 20334), (389, 20445), (393, 20451), (405, 20490), (428, 20532), (455, 20571), (472, 20613), (476, 20616), (542, 20772), (603, 20913), (609, 20928), (697, 21141), (744, 21240), (753, 21267), (771, 21318), (774, 21327), (785, 21366), (788,

21381), (859, 21570), (861, 21576), (899, 21711),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 134

Candidate Starts for Rimmer_23:

(Start: 134 @19312 has 130 MA's), (Start: 196 @19396 has 48 MA's), (Start: 246 @19474 has 1 MA's), (280, 19561), (286, 19576), (305, 19624), (320, 19663), (361, 19750), (377, 19783), (394, 19819), (402, 19849), (405, 19855), (458, 19924), (477, 19954), (481, 19966), (482, 19969), (512, 20026), (575, 20158), (578, 20164), (602, 20230), (604, 20236), (612, 20260), (628, 20308), (642, 20332), (647, 20341), (672, 20416), (721, 20467), (726, 20482), (786, 20644), (792, 20671), (801, 20701), (843, 20806), (879, 20884), (886, 20920), (889, 20929), (899, 20962), (906, 20977),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 151

Candidate Starts for Ringer_27:

(Start: 151 @21821 has 225 MA's), (Start: 167 @21842 has 5 MA's), (Start: 195 @21884 has 1 MA's), (228, 21929), (315, 22145), (333, 22190), (336, 22199), (353, 22238), (377, 22289), (378, 22292), (476, 22487), (510, 22556), (593, 22757), (594, 22760), (601, 22781), (652, 22877), (653, 22880), (655, 22886), (679, 22955), (684, 22973), (686, 22982), (697, 23012), (731, 23108), (747, 23141), (753, 23156), (795, 23297), (813, 23354), (861, 23465), (907, 23618),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 129

Candidate Starts for Rita_16:

(Start: 129 @14819 has 222 MA's), (199, 14906), (Start: 233 @14951 has 2 MA's), (242, 14975), (283, 15080), (286, 15086), (292, 15104), (297, 15113), (305, 15134), (350, 15239), (379, 15299), (389, 15320), (394, 15329), (401, 15353), (475, 15479), (480, 15494), (482, 15500), (504, 15536), (506, 15539), (511, 15551), (512, 15557), (526, 15605), (531, 15617), (535, 15623), (574, 15683), (579, 15695), (593, 15731), (597, 15743), (624, 15818), (628, 15827), (638, 15845), (642, 15851), (652, 15881), (718, 15986), (721, 15995), (722, 15998), (738, 16034), (766, 16112), (794, 16211), (801, 16232), (811, 16265), (826, 16295), (835, 16325), (841, 16334), (844, 16340), (859, 16355), (860, 16358), (865, 16382), (876, 16412), (881, 16424), (886, 16454), (899, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 129

Candidate Starts for RitaG_16:

(Start: 129 @14948 has 222 MA's), (199, 15035), (Start: 233 @15080 has 2 MA's), (242, 15104), (283, 15209), (286, 15215), (292, 15233), (305, 15263), (350, 15368), (376, 15422), (379, 15428), (389, 15449), (394, 15458), (401, 15482), (475, 15608), (480, 15623), (482, 15629), (504, 15665), (506, 15668), (511, 15680), (512, 15686), (526, 15734), (531, 15746), (535, 15752), (574, 15812), (579, 15824), (593, 15860), (597, 15872), (624, 15947), (628, 15956), (638, 15974), (642, 15980), (652, 16010), (718, 16115), (722, 16127), (738, 16163), (766, 16241), (801, 16361), (811, 16394), (826, 16424), (829, 16436), (835, 16454), (841, 16463), (844, 16469), (859, 16484), (860, 16487), (865, 16511), (881, 16553), (886, 16583), (899, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 196

Candidate Starts for RiverMonster_24:

(Start: 134 @19501 has 130 MA's), (Start: 196 @19585 has 48 MA's), (Start: 246 @19663 has 1 MA's), (280, 19750), (286, 19765), (305, 19813), (320, 19852), (361, 19939), (377, 19972), (394, 20008), (402, 20038), (405, 20044), (458, 20113), (477, 20143), (481, 20155), (482, 20158), (512, 20215), (575, 20347), (578, 20353), (602, 20419), (604, 20425), (612, 20449), (628, 20497), (642, 20521), (647, 20530), (672, 20605), (721, 20656), (726, 20671), (786, 20833), (792, 20860), (801, 20890), (843, 20995), (879, 21073), (886, 21109), (889, 21118), (899, 21151), (906, 21166),

Gene: RiverRaider_35 Start: 29083, Stop: 30846, Start Num: 102

Candidate Starts for RiverRaider_35:

(94, 29065), (Start: 102 @29083 has 86 MA's), (Start: 126 @29119 has 1 MA's), (223, 29248), (231, 29257), (272, 29353), (275, 29362), (297, 29431), (301, 29437), (315, 29482), (317, 29491), (333, 29527), (377, 29623), (397, 29668), (399, 29677), (467, 29797), (472, 29812), (475, 29821), (480, 29836), (496, 29866), (584, 30022), (616, 30106), (620, 30121), (648, 30151), (649, 30154), (653, 30166), (738, 30379), (749, 30406), (795, 30517), (796, 30520), (824, 30595), (833, 30622), (859, 30676), (899, 30823),

Gene: Rizz_23 Start: 17703, Stop: 19283, Start Num: 178

Candidate Starts for Rizz_23:

(96, 17586), (Start: 178 @17703 has 57 MA's), (308, 17961), (316, 17982), (338, 18036), (356, 18075), (378, 18132), (388, 18153), (510, 18324), (515, 18342), (522, 18366), (528, 18387), (568, 18429), (602, 18510), (653, 18600), (667, 18645), (685, 18702), (686, 18705), (730, 18759), (766, 18849), (862, 19128), (864, 19137), (873, 19167),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 215

Candidate Starts for RoadKill_30:

(Start: 215 @27051 has 57 MA's), (232, 27072), (261, 27135), (305, 27258), (310, 27270), (333, 27327), (370, 27405), (384, 27432), (419, 27528), (483, 27642), (502, 27672), (519, 27720), (545, 27777), (574, 27825), (578, 27834), (597, 27885), (614, 27933), (678, 28098), (718, 28128), (761, 28236), (762, 28239), (777, 28284), (790, 28341), (792, 28347), (793, 28353), (808, 28401), (811, 28410), (813, 28416), (815, 28419), (835, 28470), (862, 28515), (882, 28584), (895, 28632), (899, 28644),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 149

Candidate Starts for Roary_24:

(Start: 128 @18595 has 37 MA's), (Start: 149 @18619 has 636 MA's), (226, 18712), (Start: 246 @18757 has 1 MA's), (285, 18856), (302, 18892), (315, 18931), (319, 18946), (335, 18982), (389, 19102), (393, 19108), (455, 19228), (514, 19357), (542, 19429), (593, 19543), (684, 19759), (692, 19792), (731, 19894), (747, 19927), (753, 19942), (763, 19972), (858, 20242), (861, 20251), (862, 20260), (895, 20374),

Gene: RockieBear_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for RockieBear_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Rockne_16:

(Start: 129 @14790 has 222 MA's), (199, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (265, 15003), (283, 15051), (286, 15057), (292, 15075), (305, 15105), (329, 15159), (350, 15210), (376, 15264), (379, 15270), (383, 15279), (394, 15300), (401, 15324), (413, 15360), (415, 15366), (453, 15399), (455, 15402), (460, 15411), (467, 15426), (469, 15432), (475, 15450), (480, 15465), (482, 15471), (490, 15489), (493, 15492), (504, 15507), (511, 15522), (512, 15528), (526, 15576), (531, 15588), (535, 15594), (574, 15654), (579, 15666), (593, 15702), (597, 15714), (624, 15789), (628, 15798), (638, 15816), (642, 15822), (652, 15852), (718, 15957), (722, 15969), (738, 16005), (766, 16083), (801, 16203), (811, 16236), (826, 16266), (829, 16278), (835, 16296), (839, 16302), (841, 16305), (844, 16311), (859, 16326), (860, 16329), (864, 16350), (865, 16353), (881, 16395), (886, 16425), (899, 16467), (900, 16473),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 149

Candidate Starts for Rockstar_27:

(Start: 149 @19834 has 636 MA's), (Start: 195 @19894 has 1 MA's), (238, 19963), (280, 20065), (284, 20077), (285, 20080), (315, 20155), (319, 20170), (321, 20173), (336, 20209), (397, 20344), (428, 20413), (487, 20527), (542, 20653), (593, 20767), (594, 20770), (601, 20791), (609, 20809), (653, 20890), (679, 20965), (684, 20983), (686, 20992), (697, 21022), (700, 21037), (706, 21061), (712, 21070), (730, 21115), (731, 21118), (744, 21139), (747, 21151), (813, 21364), (826, 21388), (859, 21469), (861, 21475), (899, 21610),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 129

Candidate Starts for RockyHorror_17:

(Start: 129 @14667 has 222 MA's), (199, 14754), (242, 14823), (253, 14844), (265, 14880), (283, 14928), (286, 14934), (292, 14952), (305, 14982), (350, 15087), (379, 15147), (383, 15156), (389, 15168), (394, 15177), (401, 15201), (453, 15276), (467, 15303), (469, 15309), (475, 15327), (480, 15342), (482, 15348), (504, 15384), (506, 15387), (511, 15399), (512, 15405), (526, 15453), (531, 15465), (535, 15471), (574, 15531), (579, 15543), (593, 15579), (597, 15591), (624, 15666), (628, 15675), (638, 15693), (642, 15699), (652, 15729), (718, 15834), (721, 15843), (722, 15846), (738, 15882), (766, 15960), (794, 16059), (801, 16080), (811, 16113), (826, 16143), (835, 16173), (841, 16182), (844, 16188), (859, 16203), (860, 16206), (865, 16230), (876, 16260), (881, 16272), (886, 16302), (899, 16344),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 102

Candidate Starts for Rofo_35:

(94, 30789), (Start: 102 @30807 has 86 MA's), (Start: 126 @30843 has 1 MA's), (231, 30981), (272, 31077), (275, 31086), (297, 31155), (315, 31206), (333, 31251), (339, 31266), (377, 31347), (397, 31392), (399, 31401), (453, 31491), (467, 31521), (472, 31536), (480, 31560), (496, 31590), (558, 31695), (609, 31812), (616, 31830), (620, 31845), (648, 31875), (652, 31887), (653, 31890), (660, 31917), (795, 32241), (796, 32244), (811, 32292), (824, 32319), (833, 32346), (859, 32400), (864, 32424), (865, 32427), (890, 32517), (907, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 102

Candidate Starts for RogerDodger_34:

(85, 26681), (Start: 102 @26723 has 86 MA's), (Start: 126 @26759 has 1 MA's), (Start: 153 @26792 has 10 MA's), (253, 26948), (274, 27002), (275, 27005), (284, 27035), (307, 27101), (315, 27125), (332, 27167), (399, 27320), (416, 27359), (453, 27410), (460, 27422), (467, 27440), (471, 27452), (475, 27464), (480, 27479), (496, 27509), (499, 27512), (509, 27533), (554, 27605), (579, 27653), (620, 27764), (649, 27797), (660, 27836), (663, 27839), (686, 27911), (715, 27977), (719, 27989), (795, 28160), (796, 28163), (811, 28211), (824, 28238), (833, 28265), (859, 28319), (890, 28436), (896, 28457), (907, 28484),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 151

Candidate Starts for Rohr_28:

(Start: 151 @21366 has 225 MA's), (Start: 167 @21387 has 5 MA's), (Start: 195 @21429 has 1 MA's), (228, 21474), (315, 21690), (333, 21735), (336, 21744), (353, 21783), (377, 21834), (378, 21837), (476, 22032), (510, 22101), (593, 22302), (594, 22305), (601, 22326), (652, 22422), (653, 22425), (655, 22431), (679, 22500), (684, 22518), (686, 22527), (697, 22557), (731, 22653), (747, 22686), (753, 22701), (795, 22842), (813, 22899), (861, 23010),

Gene: Roimos_27 Start: 19876, Stop: 21675, Start Num: 149

Candidate Starts for Roimos_27:

(Start: 149 @19876 has 636 MA's), (Start: 195 @19936 has 1 MA's), (238, 20005), (280, 20107), (284, 20119), (285, 20122), (315, 20197), (319, 20212), (321, 20215), (336, 20251), (397, 20386), (428,

20455), (487, 20569), (542, 20695), (593, 20809), (601, 20833), (606, 20845), (609, 20851), (653, 20932), (679, 21007), (684, 21025), (686, 21034), (692, 21058), (697, 21064), (700, 21079), (715, 21121), (726, 21148), (730, 21157), (731, 21160), (744, 21181), (747, 21193), (813, 21406), (859, 21511), (861, 21517), (899, 21652),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 149

Candidate Starts for Roksolana_31:

(98, 19924), (Start: 128 @19966 has 37 MA's), (Start: 149 @19990 has 636 MA's), (285, 20227), (314, 20299), (315, 20302), (319, 20317), (336, 20356), (339, 20362), (389, 20473), (393, 20479), (405, 20518), (428, 20560), (455, 20599), (472, 20641), (476, 20644), (542, 20800), (603, 20941), (609, 20956), (697, 21169), (744, 21268), (753, 21295), (771, 21346), (774, 21355), (785, 21394), (788, 21409), (813, 21493), (859, 21598), (861, 21604), (899, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Romney_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 141

Candidate Starts for Ronaldo_56:

(61, 28702), (63, 28711), (64, 28717), (Start: 92 @28819 has 4 MA's), (108, 28849), (Start: 141 @28894 has 6 MA's), (241, 29035), (302, 29194), (319, 29248), (389, 29404), (439, 29503), (467, 29551), (487, 29608), (499, 29623), (553, 29713), (614, 29851), (652, 29914), (684, 30010), (712, 30061), (713, 30064), (717, 30076), (753, 30151), (758, 30166), (794, 30250), (824, 30331), (866, 30442), (896, 30547), (901, 30565),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Roosevelt_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Rosa24_26 Start: 19799, Stop: 21580, Start Num: 149

Candidate Starts for Rosa24_26:

(Start: 128 @19775 has 37 MA's), (Start: 149 @19799 has 636 MA's), (Start: 153 @19805 has 10 MA's), (Start: 195 @19859 has 1 MA's), (205, 19874), (238, 19928), (Start: 246 @19946 has 1 MA's), (280, 20030), (284, 20042), (285, 20045), (315, 20120), (319, 20135), (336, 20174), (389, 20291), (428, 20378), (472, 20459), (499, 20507), (510, 20531), (542, 20618), (560, 20663), (594, 20735), (601, 20756), (609, 20774), (653, 20855), (684, 20948), (686, 20957), (692, 20981), (697, 20987), (702, 21011), (731, 21065), (744, 21086), (761, 21137), (770, 21161), (813, 21311), (859, 21416), (862, 21431), (893, 21539), (899, 21557),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 149

Candidate Starts for Rosalind_30:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 118

Candidate Starts for Rosmarinus_23:

(Start: 118 @17176 has 152 MA's), (143, 17206), (Start: 246 @17365 has 1 MA's), (262, 17398), (273, 17428), (283, 17461), (288, 17473), (317, 17563), (335, 17605), (365, 17677), (369, 17686), (389, 17725), (405, 17770), (412, 17791), (413, 17794), (445, 17848), (459, 17866), (475, 17908), (477, 17914), (487, 17941), (574, 18079), (582, 18097), (597, 18139), (603, 18157), (614, 18187), (628, 18214), (669, 18319), (749, 18478), (762, 18514), (773, 18544), (776, 18553), (795, 18628), (811, 18679), (889, 18874), (900, 18913), (901, 18916), (910, 18934),

Gene: Rowdy_31 Start: 19855, Stop: 21633, Start Num: 149

Candidate Starts for Rowdy_31:

(Start: 149 @19855 has 636 MA's), (Start: 195 @19912 has 1 MA's), (205, 19927), (231, 19960), (238, 19981), (280, 20083), (284, 20095), (285, 20098), (315, 20173), (319, 20188), (336, 20227), (389, 20344), (397, 20362), (428, 20431), (461, 20485), (470, 20506), (487, 20545), (510, 20584), (542, 20671), (560, 20716), (587, 20764), (593, 20785), (601, 20809), (606, 20821), (609, 20827), (653, 20908), (684, 21001), (686, 21010), (692, 21034), (697, 21040), (700, 21055), (718, 21088), (744, 21139), (749, 21157), (764, 21202), (813, 21364), (826, 21388), (828, 21394), (859, 21469), (861, 21475), (862, 21484), (879, 21535), (899, 21610),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 129

Candidate Starts for Royals2015_16:

(Start: 129 @14826 has 222 MA's), (199, 14913), (Start: 233 @14958 has 2 MA's), (242, 14982), (283, 15087), (286, 15093), (292, 15111), (305, 15141), (350, 15246), (379, 15306), (389, 15327), (394, 15336), (401, 15360), (475, 15486), (480, 15501), (482, 15507), (504, 15543), (506, 15546), (511, 15558), (512, 15564), (526, 15612), (531, 15624), (535, 15630), (574, 15690), (579, 15702), (593, 15738), (597, 15750), (624, 15825), (628, 15834), (638, 15852), (642, 15858), (652, 15888), (718, 15993), (721, 16002), (722, 16005), (738, 16041), (766, 16119), (794, 16218), (801, 16239), (811, 16272), (826, 16302), (835, 16332), (841, 16341), (844, 16347), (859, 16362), (860, 16365), (865, 16389), (876, 16419), (881, 16431), (886, 16461), (899, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Rubeelu_18:

(Start: 134 @14956 has 130 MA's), (155, 14983), (Start: 233 @15088 has 2 MA's), (237, 15100), (254, 15136), (274, 15187), (280, 15208), (283, 15217), (286, 15223), (294, 15244), (301, 15256), (376, 15430), (379, 15436), (388, 15454), (394, 15466), (395, 15469), (401, 15490), (453, 15565), (467, 15592), (475, 15616), (476, 15619), (480, 15631), (504, 15673), (511, 15688), (512, 15694), (515, 15703), (526, 15742), (554, 15796), (574, 15820), (597, 15880), (618, 15946), (624, 15955), (628, 15964), (651, 16015), (652, 16018), (718, 16123), (738, 16171), (763, 16237), (785, 16309), (835, 16462), (841, 16471), (859, 16492), (862, 16507), (865, 16519), (879, 16555), (881, 16561),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 151

Candidate Starts for Rubeus_28:

(Start: 151 @21204 has 225 MA's), (Start: 167 @21225 has 5 MA's), (Start: 195 @21267 has 1 MA's), (228, 21312), (315, 21528), (333, 21573), (336, 21582), (377, 21672), (378, 21675), (476, 21870), (510, 21939), (593, 22140), (594, 22143), (601, 22164), (652, 22260), (653, 22263), (655, 22269), (679, 22338), (684, 22356), (686, 22365), (697, 22395), (731, 22491), (747, 22524), (753, 22539), (795, 22680), (813, 22737), (861, 22848), (907, 23001),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Ruby_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (376, 15248), (379, 15254), (383, 15263), (389, 15275), (394, 15284), (401, 15308), (413, 15344), (415, 15350), (427, 15362), (453, 15383), (455, 15386), (460, 15395), (467, 15410), (469, 15416), (475, 15434), (480, 15449), (482, 15455), (490, 15473), (493, 15476), (504, 15491), (511, 15506), (512, 15512), (521, 15542), (526, 15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (604, 15719), (624, 15773), (628, 15782), (642, 15806), (652, 15836), (718, 15941), (722, 15953), (738, 15989), (754, 16028), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (864, 16334), (865, 16337), (881, 16379), (886, 16409), (899, 16451), (900, 16457),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 151

Candidate Starts for Rufus_28:

(Start: 151 @21506 has 225 MA's), (Start: 167 @21527 has 5 MA's), (Start: 195 @21569 has 1 MA's), (228, 21614), (315, 21830), (333, 21875), (336, 21884), (377, 21974), (378, 21977), (416, 22070), (476, 22172), (510, 22241), (589, 22430), (593, 22442), (594, 22445), (601, 22466), (652, 22562), (653, 22565), (655, 22571), (679, 22640), (684, 22658), (686, 22667), (697, 22697), (731, 22793), (747, 22826), (753, 22841), (795, 22982), (813, 23039), (861, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 149

Candidate Starts for Ruin_27:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 195 @19880 has 1 MA's), (Start: 233 @19934 has 2 MA's), (238, 19949), (Start: 246 @19967 has 1 MA's), (280, 20051), (284, 20063), (285, 20066), (315, 20141), (319, 20156), (336, 20195), (389, 20312), (428, 20399), (472, 20480), (499, 20528), (510, 20552), (542, 20639), (560, 20684), (594, 20756), (601, 20777), (609, 20795), (653, 20876), (684, 20969), (686, 20978), (692, 21002), (697, 21008), (702, 21032), (731, 21086), (744, 21107), (761, 21158), (770, 21182), (786, 21236), (813, 21332), (859, 21437), (862, 21452), (893, 21560), (899, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 149

Candidate Starts for Rummer_29:

(Start: 149 @20463 has 636 MA's), (Start: 195 @20520 has 1 MA's), (205, 20535), (231, 20568), (238, 20589), (245, 20604), (280, 20691), (284, 20703), (285, 20706), (315, 20781), (319, 20796), (335, 20832), (428, 21039), (487, 21153), (510, 21192), (542, 21279), (593, 21393), (601, 21417), (609, 21435), (653, 21516), (679, 21591), (684, 21609), (692, 21642), (697, 21648), (706, 21687), (730, 21741), (731, 21744), (744, 21765), (763, 21822), (813, 21990), (859, 22095), (861, 22101), (899, 22236),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 151

Candidate Starts for Ruotula_26:

(Start: 151 @21710 has 225 MA's), (Start: 167 @21731 has 5 MA's), (Start: 195 @21773 has 1 MA's), (228, 21818), (315, 22034), (333, 22079), (336, 22088), (353, 22127), (377, 22178), (378, 22181), (476, 22376), (510, 22445), (593, 22646), (594, 22649), (601, 22670), (652, 22766), (653, 22769), (655, 22775), (679, 22844), (684, 22862), (686, 22871), (697, 22901), (731, 22997), (747, 23030), (753, 23045), (795, 23186), (813, 23243), (861, 23354),

Gene: Ruriko_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Ruriko_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339,

17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 151

Candidate Starts for Rutherferd_29:

(Start: 151 @21775 has 225 MA's), (Start: 167 @21796 has 5 MA's), (Start: 195 @21838 has 1 MA's), (228, 21883), (315, 22099), (333, 22144), (336, 22153), (377, 22243), (378, 22246), (416, 22339), (476, 22441), (510, 22510), (593, 22711), (594, 22714), (601, 22735), (652, 22831), (653, 22834), (655, 22840), (684, 22927), (686, 22936), (697, 22966), (731, 23062), (747, 23095), (753, 23110), (795, 23251), (813, 23308), (861, 23419),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 118

Candidate Starts for Ruthiejr_23:

(Start: 95 @18215 has 1 MA's), (Start: 111 @18245 has 26 MA's), (Start: 116 @18251 has 42 MA's), (Start: 118 @18254 has 152 MA's), (Start: 140 @18269 has 3 MA's), (Start: 171 @18311 has 8 MA's), (205, 18359), (Start: 233 @18398 has 2 MA's), (238, 18413), (Start: 246 @18431 has 1 MA's), (262, 18464), (273, 18494), (288, 18539), (294, 18557), (317, 18629), (319, 18635), (333, 18665), (334, 18668), (361, 18731), (365, 18743), (420, 18878), (427, 18896), (455, 18926), (459, 18932), (467, 18950), (477, 18980), (496, 19019), (574, 19145), (598, 19208), (669, 19409), (686, 19463), (718, 19508), (739, 19553), (749, 19577), (761, 19610), (773, 19643), (792, 19715), (795, 19727), (811, 19778), (813, 19784), (864, 19886), (900, 20012), (910, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 177

Candidate Starts for Ruthy_19:

(82, 16179), (Start: 144 @16293 has 6 MA's), (Start: 168 @16317 has 17 MA's), (Start: 177 @16329 has 2 MA's), (Start: 213 @16377 has 1 MA's), (273, 16506), (275, 16512), (295, 16578), (363, 16758), (365, 16764), (460, 16944), (463, 16950), (499, 17031), (573, 17145), (614, 17259), (628, 17292), (646, 17322), (647, 17325), (665, 17388), (667, 17391), (679, 17424), (761, 17592), (763, 17598), (792, 17697), (847, 17841), (910, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 113

Candidate Starts for Ryadel_60:

(Start: 106 @34276 has 2 MA's), (Start: 113 @34285 has 28 MA's), (Start: 179 @34375 has 33 MA's), (253, 34492), (265, 34528), (275, 34549), (283, 34576), (286, 34582), (299, 34612), (308, 34636), (330, 34687), (394, 34825), (396, 34831), (412, 34882), (413, 34885), (427, 34903), (475, 34954), (482, 34975), (483, 34978), (511, 35026), (512, 35032), (526, 35080), (528, 35086), (531, 35092), (563, 35152), (574, 35176), (575, 35179), (593, 35224), (598, 35239), (601, 35248), (604, 35257), (618, 35302), (628, 35320), (647, 35353), (722, 35491), (730, 35512), (758, 35578), (768, 35608), (784, 35662), (794, 35704), (801, 35725), (807, 35746), (811, 35758), (821, 35779), (844, 35833), (879, 35911), (886, 35947), (892, 35968), (900, 35995),

Gene: RyeScarlet_31 Start: 21753, Stop: 23543, Start Num: 149

Candidate Starts for RyeScarlet_31:

(Start: 146 @21750 has 12 MA's), (Start: 149 @21753 has 636 MA's), (284, 21987), (285, 21990), (314, 22062), (315, 22065), (319, 22080), (336, 22119), (339, 22125), (389, 22236), (428, 22323), (472, 22404), (476, 22407), (553, 22593), (587, 22656), (594, 22680), (596, 22686), (609, 22719), (653, 22800), (692, 22926), (705, 22968), (731, 23028), (747, 23061), (753, 23076), (785, 23175), (786, 23178), (788, 23190), (813, 23274), (842, 23340), (859, 23379), (861, 23385), (872, 23430), (889, 23487), (890, 23490),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 129

Candidate Starts for SG4_16:

(Start: 129 @14957 has 222 MA's), (199, 15044), (Start: 233 @15089 has 2 MA's), (242, 15113), (283, 15218), (286, 15224), (292, 15242), (305, 15272), (350, 15377), (379, 15437), (389, 15458), (394, 15467), (401, 15491), (475, 15617), (480, 15632), (482, 15638), (504, 15674), (506, 15677), (511, 15689), (512, 15695), (526, 15743), (531, 15755), (535, 15761), (574, 15821), (579, 15833), (593, 15869), (597, 15881), (624, 15956), (628, 15965), (638, 15983), (642, 15989), (652, 16019), (718, 16124), (721, 16133), (722, 16136), (738, 16172), (766, 16250), (794, 16349), (801, 16370), (811, 16403), (826, 16433), (835, 16463), (841, 16472), (844, 16478), (859, 16493), (860, 16496), (865, 16520), (876, 16550), (881, 16562), (886, 16592), (899, 16634),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 151

Candidate Starts for STLscum_28:

(Start: 151 @21913 has 225 MA's), (Start: 167 @21934 has 5 MA's), (Start: 195 @21976 has 1 MA's), (228, 22021), (315, 22237), (333, 22282), (336, 22291), (377, 22381), (378, 22384), (416, 22477), (476, 22579), (510, 22648), (589, 22837), (593, 22849), (594, 22852), (601, 22873), (652, 22969), (653, 22972), (655, 22978), (679, 23047), (684, 23065), (686, 23074), (697, 23104), (731, 23200), (747, 23233), (753, 23248), (795, 23389), (813, 23446), (861, 23557),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Saal_16:

(Start: 129 @14790 has 222 MA's), (199, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (265, 15003), (283, 15051), (286, 15057), (292, 15075), (305, 15105), (350, 15210), (376, 15264), (379, 15270), (383, 15279), (394, 15300), (401, 15324), (413, 15360), (415, 15366), (453, 15399), (455, 15402), (460, 15411), (467, 15426), (469, 15432), (475, 15450), (480, 15465), (482, 15471), (490, 15489), (493, 15492), (504, 15507), (511, 15522), (512, 15528), (526, 15576), (531, 15588), (535, 15594), (574, 15654), (579, 15666), (593, 15702), (597, 15714), (624, 15789), (628, 15798), (638, 15816), (642, 15822), (652, 15852), (718, 15957), (722, 15969), (738, 16005), (766, 16083), (801, 16203), (811, 16236), (826, 16266), (829, 16278), (835, 16296), (839, 16302), (841, 16305), (844, 16311), (859, 16326), (860, 16329), (864, 16350), (865, 16353), (881, 16395), (886, 16425), (899, 16467), (900, 16473),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Sabertooth_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 149

Candidate Starts for Sabia_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 149

Candidate Starts for Sabinator_29:

(Start: 149 @20377 has 636 MA's), (Start: 195 @20434 has 1 MA's), (205, 20449), (231, 20482), (238, 20503), (245, 20518), (280, 20605), (284, 20617), (285, 20620), (315, 20695), (319, 20710), (335,

20746), (428, 20953), (487, 21067), (510, 21106), (542, 21193), (593, 21307), (601, 21331), (609, 21349), (653, 21430), (679, 21505), (684, 21523), (692, 21556), (697, 21562), (706, 21601), (730, 21655), (731, 21658), (744, 21679), (763, 21736), (813, 21904), (859, 22009), (861, 22015), (899, 22150),

Gene: Sachima_28 Start: 21749, Stop: 23539, Start Num: 149

Candidate Starts for Sachima_28:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 151

Candidate Starts for Sagefire_28:

(Start: 151 @21946 has 225 MA's), (Start: 167 @21967 has 5 MA's), (Start: 195 @22009 has 1 MA's), (228, 22054), (315, 22270), (333, 22315), (336, 22324), (353, 22363), (377, 22414), (378, 22417), (476, 22612), (510, 22681), (593, 22882), (594, 22885), (601, 22906), (652, 23002), (653, 23005), (655, 23011), (679, 23080), (684, 23098), (686, 23107), (697, 23137), (731, 23233), (747, 23266), (753, 23281), (795, 23422), (813, 23479), (861, 23590),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 179

Candidate Starts for Sahara_17:

(Start: 179 @14784 has 33 MA's), (248, 14901), (271, 14973), (272, 14976), (295, 15051), (315, 15090), (319, 15105), (338, 15147), (347, 15174), (388, 15264), (389, 15267), (444, 15399), (471, 15453), (509, 15534), (526, 15594), (528, 15600), (626, 15759), (637, 15777), (654, 15816), (679, 15888), (681, 15891), (685, 15912), (792, 16146), (796, 16161), (809, 16203), (840, 16284), (847, 16296), (849, 16299), (864, 16347), (873, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 134

Candidate Starts for Saints25_25:

(Start: 134 @19407 has 130 MA's), (Start: 196 @19491 has 48 MA's), (Start: 246 @19569 has 1 MA's), (280, 19656), (286, 19671), (305, 19719), (320, 19758), (361, 19845), (377, 19878), (394, 19914), (402, 19944), (405, 19950), (458, 20019), (477, 20049), (481, 20061), (482, 20064), (512, 20121), (575, 20253), (578, 20259), (602, 20325), (604, 20331), (612, 20355), (628, 20403), (642, 20427), (647, 20436), (672, 20511), (721, 20562), (726, 20577), (786, 20739), (792, 20766), (801, 20796), (843, 20901), (879, 20979), (886, 21015), (889, 21024), (899, 21057), (906, 21072),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 149

Candidate Starts for Saintus_24:

(Start: 128 @18610 has 37 MA's), (Start: 149 @18634 has 636 MA's), (226, 18727), (Start: 246 @18772 has 1 MA's), (285, 18871), (302, 18907), (315, 18946), (319, 18961), (335, 18997), (389, 19117), (393, 19123), (455, 19243), (514, 19372), (542, 19444), (593, 19558), (684, 19774), (692, 19807), (731, 19909), (747, 19942), (753, 19957), (763, 19987), (858, 20257), (861, 20266), (862, 20275), (895, 20389),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 102

Candidate Starts for Salvador_31:

(85, 25817), (Start: 102 @25859 has 86 MA's), (Start: 126 @25895 has 1 MA's), (Start: 153 @25928 has 10 MA's), (253, 26084), (274, 26138), (275, 26141), (284, 26171), (307, 26237), (315, 26261), (317, 26270), (332, 26303), (399, 26456), (416, 26495), (453, 26546), (460, 26558), (467, 26576), (471, 26588), (475, 26600), (480, 26615), (496, 26645), (499, 26648), (509, 26669), (554, 26741),

(579, 26789), (620, 26900), (649, 26933), (660, 26972), (663, 26975), (686, 27047), (715, 27113), (719, 27125), (795, 27296), (796, 27299), (811, 27347), (824, 27374), (833, 27401), (859, 27455), (890, 27572), (896, 27593), (907, 27620),

Gene: Salvus_22 Start: 16306, Stop: 18156, Start Num: 92

Candidate Starts for Salvus_22:

(83, 16270), (Start: 92 @16306 has 4 MA's), (Start: 121 @16357 has 18 MA's), (143, 16384), (186, 16444), (Start: 233 @16510 has 2 MA's), (254, 16561), (263, 16579), (381, 16885), (402, 16942), (420, 16990), (421, 16993), (444, 17056), (459, 17077), (482, 17140), (486, 17149), (496, 17164), (578, 17299), (593, 17338), (600, 17359), (612, 17395), (613, 17398), (635, 17440), (644, 17455), (647, 17461), (777, 17770), (779, 17779), (781, 17785), (785, 17797), (792, 17827), (797, 17845), (799, 17851), (847, 17971), (873, 18028), (897, 18115), (900, 18124),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 149

Candidate Starts for Salz_28:

(98, 20680), (Start: 128 @20722 has 37 MA's), (Start: 149 @20746 has 636 MA's), (188, 20788), (Start: 246 @20884 has 1 MA's), (255, 20899), (284, 20980), (285, 20983), (315, 21058), (319, 21073), (336, 21112), (339, 21118), (361, 21169), (389, 21229), (393, 21235), (428, 21316), (476, 21400), (526, 21526), (533, 21544), (550, 21571), (609, 21712), (648, 21778), (652, 21790), (653, 21793), (712, 21982), (721, 22009), (726, 22018), (736, 22039), (738, 22042), (747, 22063), (753, 22078), (761, 22102), (785, 22177), (788, 22192), (813, 22276), (859, 22381), (861, 22387), (876, 22441), (907, 22540),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 118

Candidate Starts for SamScheppers_22:

(Start: 95 @18122 has 1 MA's), (Start: 111 @18152 has 26 MA's), (Start: 116 @18158 has 42 MA's), (Start: 118 @18161 has 152 MA's), (Start: 171 @18218 has 8 MA's), (205, 18266), (Start: 233 @18305 has 2 MA's), (238, 18320), (Start: 246 @18338 has 1 MA's), (262, 18371), (273, 18401), (288, 18446), (294, 18464), (317, 18536), (319, 18542), (333, 18572), (361, 18638), (365, 18650), (420, 18785), (455, 18833), (459, 18839), (467, 18857), (477, 18887), (496, 18926), (574, 19052), (597, 19112), (598, 19115), (604, 19133), (610, 19148), (669, 19316), (686, 19370), (718, 19415), (739, 19460), (749, 19484), (761, 19517), (773, 19550), (792, 19622), (795, 19634), (811, 19685), (813, 19691), (864, 19793), (900, 19919), (910, 19940),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 123

Candidate Starts for SamW_17:

(Start: 123 @16284 has 8 MA's), (142, 16305), (204, 16389), (223, 16416), (228, 16422), (282, 16554), (304, 16605), (315, 16638), (317, 16647), (377, 16782), (393, 16815), (398, 16833), (424, 16887), (455, 16932), (480, 16989), (484, 17001), (508, 17040), (546, 17091), (550, 17100), (555, 17121), (589, 17187), (628, 17277), (675, 17385), (690, 17439), (692, 17445), (699, 17463), (756, 17559), (770, 17580), (788, 17625), (845, 17784), (854, 17799), (860, 17814), (862, 17826), (906, 17970),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 215

Candidate Starts for Samba_19:

(187, 16692), (Start: 215 @16728 has 57 MA's), (266, 16830), (296, 16908), (298, 16911), (340, 17007), (357, 17046), (382, 17106), (392, 17127), (410, 17181), (415, 17196), (512, 17367), (521, 17397), (604, 17580), (612, 17604), (625, 17655), (659, 17748), (664, 17760), (682, 17805), (713, 17820), (762, 17952), (763, 17955), (792, 18054), (797, 18072), (813, 18123), (842, 18189), (871, 18252), (876, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 178

Candidate Starts for Samman98_20:

(96, 17220), (Start: 178 @17337 has 57 MA's), (308, 17595), (316, 17616), (338, 17670), (356, 17709), (378, 17766), (388, 17787), (510, 17958), (515, 17976), (522, 18000), (528, 18021), (568, 18063), (602, 18144), (653, 18234), (667, 18279), (685, 18336), (686, 18339), (730, 18393), (766, 18483), (862, 18762), (864, 18771), (873, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 214

Candidate Starts for Sampson_35:

(Start: 214 @30699 has 22 MA's), (232, 30720), (237, 30732), (261, 30783), (281, 30846), (310, 30918), (346, 31005), (370, 31056), (385, 31086), (414, 31167), (428, 31194), (483, 31293), (502, 31323), (508, 31332), (517, 31365), (518, 31368), (519, 31371), (522, 31380), (545, 31428), (574, 31476), (578, 31485), (614, 31584), (633, 31623), (640, 31635), (679, 31752), (722, 31791), (740, 31830), (761, 31887), (775, 31926), (777, 31935), (790, 31992), (793, 32004), (811, 32061), (813, 32067), (824, 32088), (835, 32121), (862, 32166), (899, 32295), (901, 32304),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for SamuelLPlaqson_23:

(Start: 118 @17102 has 152 MA's), (143, 17132), (Start: 246 @17291 has 1 MA's), (262, 17324), (273, 17354), (283, 17387), (288, 17399), (317, 17489), (335, 17531), (365, 17603), (369, 17612), (389, 17651), (405, 17696), (413, 17720), (459, 17792), (475, 17834), (477, 17840), (487, 17867), (574, 18005), (582, 18023), (597, 18065), (614, 18113), (628, 18140), (669, 18245), (715, 18335), (762, 18440), (773, 18470), (776, 18479), (795, 18554), (811, 18605), (889, 18800), (900, 18839), (901, 18842), (910, 18860),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 151

Candidate Starts for Sandaddy_26:

(Start: 151 @21059 has 225 MA's), (Start: 167 @21080 has 5 MA's), (Start: 195 @21122 has 1 MA's), (315, 21383), (333, 21428), (336, 21437), (353, 21476), (377, 21527), (378, 21530), (476, 21725), (510, 21794), (593, 21995), (594, 21998), (601, 22019), (652, 22115), (653, 22118), (655, 22124), (679, 22193), (684, 22211), (686, 22220), (697, 22250), (731, 22346), (747, 22379), (753, 22394), (795, 22535), (813, 22592), (861, 22703),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 129

Candidate Starts for Sandalphon_17:

(Start: 129 @15361 has 222 MA's), (199, 15448), (Start: 233 @15493 has 2 MA's), (242, 15517), (265, 15574), (283, 15622), (286, 15628), (292, 15646), (305, 15676), (350, 15781), (376, 15835), (379, 15841), (383, 15850), (394, 15871), (401, 15895), (413, 15931), (415, 15937), (453, 15970), (455, 15973), (460, 15982), (467, 15997), (469, 16003), (475, 16021), (480, 16036), (482, 16042), (490, 16060), (493, 16063), (504, 16078), (511, 16093), (512, 16099), (526, 16147), (531, 16159), (535, 16165), (574, 16225), (579, 16237), (593, 16273), (597, 16285), (624, 16360), (628, 16369), (638, 16387), (642, 16393), (652, 16423), (718, 16528), (722, 16540), (738, 16576), (766, 16654), (801, 16774), (811, 16807), (826, 16837), (829, 16849), (835, 16867), (839, 16873), (841, 16876), (844, 16882), (859, 16897), (860, 16900), (864, 16921), (865, 16924), (881, 16966), (886, 16996), (899, 17038), (900, 17044),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 102

Candidate Starts for Sanjuju_33:

(94, 30958), (Start: 102 @30976 has 86 MA's), (Start: 126 @31012 has 1 MA's), (231, 31150), (272, 31246), (275, 31255), (297, 31324), (315, 31375), (333, 31420), (339, 31435), (377, 31516), (397, 31561), (399, 31570), (453, 31660), (467, 31690), (472, 31705), (480, 31729), (496, 31759), (558, 31864), (609, 31981), (616, 31999), (620, 32014), (648, 32044), (652, 32056), (653, 32059), (660, 32086), (795, 32410), (796, 32413), (811, 32461), (824, 32488), (833, 32515), (859, 32569), (865, 32596), (901, 32725),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 208

Candidate Starts for Santhid_18:

(Start: 208 @14993 has 12 MA's), (261, 15092), (267, 15116), (310, 15227), (311, 15230), (317, 15248), (321, 15257), (353, 15323), (360, 15338), (363, 15347), (365, 15353), (404, 15443), (427, 15497), (439, 15506), (482, 15596), (528, 15707), (572, 15779), (574, 15785), (578, 15794), (586, 15812), (616, 15902), (624, 15917), (660, 16001), (667, 16016), (671, 16034), (678, 16046), (731, 16112), (753, 16160), (757, 16172), (761, 16184), (768, 16205), (773, 16217), (777, 16232), (786, 16262), (794, 16298), (862, 16451), (872, 16487), (890, 16550), (896, 16571), (906, 16595), (908, 16601),

Gene: Sanya_26 Start: 21743, Stop: 23545, Start Num: 151

Candidate Starts for Sanya_26:

(Start: 151 @21743 has 225 MA's), (Start: 167 @21764 has 5 MA's), (Start: 195 @21806 has 1 MA's), (228, 21851), (315, 22067), (333, 22112), (336, 22121), (377, 22211), (378, 22214), (416, 22307), (476, 22409), (510, 22478), (593, 22679), (594, 22682), (601, 22703), (652, 22799), (653, 22802), (655, 22808), (679, 22877), (684, 22895), (686, 22904), (697, 22934), (731, 23030), (747, 23063), (753, 23078), (795, 23219), (813, 23276), (861, 23387),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 215

Candidate Starts for Sapo_16:

(Start: 215 @14618 has 57 MA's), (328, 14873), (360, 14945), (367, 14963), (371, 14972), (379, 14990), (427, 15098), (428, 15101), (480, 15194), (512, 15257), (555, 15368), (556, 15371), (574, 15392), (602, 15467), (610, 15488), (612, 15497), (651, 15608), (664, 15653), (674, 15683), (682, 15698), (797, 15914), (807, 15947), (831, 16007), (835, 16019), (871, 16094), (881, 16118), (887, 16151),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 151

Candidate Starts for SarFire_27:

(Start: 151 @21221 has 225 MA's), (Start: 167 @21242 has 5 MA's), (Start: 195 @21284 has 1 MA's), (228, 21329), (315, 21545), (333, 21590), (336, 21599), (377, 21689), (378, 21692), (416, 21785), (476, 21887), (510, 21956), (589, 22145), (593, 22157), (594, 22160), (601, 22181), (652, 22277), (653, 22280), (655, 22286), (679, 22355), (684, 22373), (686, 22382), (697, 22412), (731, 22508), (747, 22541), (753, 22556), (795, 22697), (813, 22754), (861, 22865), (907, 23018),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 233

Candidate Starts for Sarma624_17:

(Start: 129 @14635 has 222 MA's), (199, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (283, 14896), (286, 14902), (292, 14920), (305, 14950), (350, 15055), (379, 15115), (389, 15136), (394, 15145), (401, 15169), (453, 15244), (455, 15247), (475, 15295), (480, 15310), (482, 15316), (504, 15352), (506, 15355), (511, 15367), (512, 15373), (526, 15421), (531, 15433), (535, 15439), (574, 15499), (579, 15511), (593, 15547), (597, 15559), (624, 15634), (628, 15643), (638, 15661), (642, 15667), (652, 15697), (718, 15802), (721, 15811), (722, 15814), (738, 15850), (766, 15928), (794, 16027), (801, 16048), (811, 16081), (826, 16111), (835, 16141), (841, 16150), (844, 16156), (859, 16171), (860, 16174), (865, 16198), (876, 16228), (881, 16240), (886, 16270), (899, 16312),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 102

Candidate Starts for Saronaya_34:

(Start: 102 @29639 has 86 MA's), (Start: 126 @29675 has 1 MA's), (223, 29804), (231, 29813), (272, 29909), (275, 29918), (297, 29987), (315, 30038), (317, 30047), (333, 30083), (339, 30098), (345, 30116), (377, 30179), (397, 30224), (399, 30233), (463, 30344), (467, 30353), (472, 30368), (480, 30392), (496, 30422), (609, 30644), (616, 30662), (620, 30677), (652, 30719), (660, 30749), (703, 30869), (749, 30962), (795, 31073), (796, 31076), (811, 31124), (824, 31151), (833, 31178), (859, 31232),

Gene: Saskia_27 Start: 20749, Stop: 22548, Start Num: 149

Candidate Starts for Saskia_27:

(98, 20683), (Start: 128 @20725 has 37 MA's), (Start: 149 @20749 has 636 MA's), (188, 20791), (Start: 246 @20887 has 1 MA's), (255, 20902), (284, 20983), (285, 20986), (315, 21061), (319, 21076), (336, 21115), (339, 21121), (389, 21232), (393, 21238), (428, 21319), (476, 21403), (526, 21529), (533, 21547), (550, 21574), (609, 21715), (648, 21781), (652, 21793), (653, 21796), (691, 21919), (712, 21985), (721, 22012), (736, 22042), (738, 22045), (747, 22066), (753, 22081), (761, 22105), (785, 22180), (788, 22195), (813, 22279), (859, 22384), (861, 22390), (876, 22444), (907, 22543),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Sassafras_16:

(Start: 129 @14940 has 222 MA's), (199, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (283, 15201), (286, 15207), (292, 15225), (305, 15255), (350, 15360), (379, 15420), (389, 15441), (394, 15450), (401, 15474), (475, 15600), (480, 15615), (482, 15621), (504, 15657), (506, 15660), (511, 15672), (512, 15678), (526, 15726), (531, 15738), (535, 15744), (574, 15804), (579, 15816), (593, 15852), (597, 15864), (624, 15939), (628, 15948), (638, 15966), (642, 15972), (652, 16002), (718, 16107), (722, 16119), (738, 16155), (766, 16233), (794, 16332), (801, 16353), (811, 16386), (826, 16416), (835, 16446), (841, 16455), (844, 16461), (859, 16476), (860, 16479), (864, 16500), (865, 16503), (881, 16545), (886, 16575), (899, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 196

Candidate Starts for Sassay_23:

(Start: 134 @19250 has 130 MA's), (Start: 196 @19334 has 48 MA's), (Start: 246 @19412 has 1 MA's), (280, 19499), (286, 19514), (305, 19562), (320, 19601), (361, 19688), (377, 19721), (394, 19757), (402, 19787), (405, 19793), (458, 19862), (477, 19892), (481, 19904), (482, 19907), (512, 19964), (575, 20096), (578, 20102), (602, 20168), (604, 20174), (612, 20198), (628, 20246), (642, 20270), (647, 20279), (672, 20354), (721, 20405), (726, 20420), (786, 20582), (792, 20609), (801, 20639), (843, 20744), (879, 20822), (886, 20858), (889, 20867), (899, 20900), (906, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for SassyB_16:

(Start: 129 @14854 has 222 MA's), (199, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (283, 15115), (286, 15121), (292, 15139), (305, 15169), (350, 15274), (379, 15334), (383, 15343), (388, 15352), (389, 15355), (394, 15364), (401, 15388), (475, 15514), (480, 15529), (482, 15535), (504, 15571), (506, 15574), (511, 15586), (512, 15592), (526, 15640), (531, 15652), (535, 15658), (574, 15718), (579, 15730), (593, 15766), (597, 15778), (624, 15853), (628, 15862), (638, 15880), (642, 15886), (652, 15916), (718, 16021), (721, 16030), (722, 16033), (738, 16069), (766, 16147), (794, 16246), (801, 16267), (811, 16300), (826, 16330), (835, 16360), (841, 16369), (844, 16375), (859, 16390), (860, 16393), (865, 16417), (876, 16447), (881, 16459), (886, 16489), (899, 16531),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 149

Candidate Starts for SaturnRing_27:

(Start: 149 @19904 has 636 MA's), (Start: 195 @19961 has 1 MA's), (238, 20030), (280, 20132), (284, 20144), (285, 20147), (315, 20222), (319, 20237), (336, 20276), (397, 20411), (428, 20480), (487, 20594), (542, 20720), (593, 20834), (601, 20858), (609, 20876), (653, 20957), (679, 21032), (684, 21050), (686, 21059), (692, 21083), (697, 21089), (700, 21104), (712, 21137), (730, 21182), (731, 21185), (744, 21206), (747, 21218), (749, 21224), (770, 21281), (813, 21431), (826, 21455), (859, 21536), (861, 21542), (899, 21677),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Savage_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 102

Candidate Starts for Savbucketdawg_31:

(85, 25598), (Start: 102 @25640 has 86 MA's), (Start: 126 @25676 has 1 MA's), (Start: 153 @25709 has 10 MA's), (274, 25919), (275, 25922), (284, 25952), (307, 26018), (315, 26042), (317, 26051), (332, 26084), (399, 26237), (416, 26276), (453, 26327), (460, 26339), (467, 26357), (471, 26369), (475, 26381), (480, 26396), (496, 26426), (499, 26429), (509, 26450), (554, 26522), (579, 26570), (620, 26681), (649, 26714), (660, 26753), (663, 26756), (686, 26828), (715, 26894), (719, 26906), (795, 27077), (799, 27089), (801, 27095), (811, 27128), (824, 27155), (833, 27182), (859, 27236), (890, 27353), (896, 27374), (907, 27401),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Scamp_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 111

Candidate Starts for Scarlett_22:

(Start: 95 @16360 has 1 MA's), (Start: 111 @16390 has 26 MA's), (Start: 116 @16396 has 42 MA's), (143, 16423), (165, 16450), (238, 16564), (262, 16615), (283, 16678), (317, 16780), (319, 16786), (348, 16858), (365, 16894), (369, 16903), (389, 16942), (406, 16990), (412, 17008), (427, 17047), (428, 17050), (445, 17065), (455, 17077), (459, 17083), (475, 17125), (477, 17131), (487, 17158), (574, 17296), (582, 17314), (588, 17326), (614, 17404), (649, 17476), (653, 17488), (669, 17536), (691, 17611), (749, 17695), (761, 17728), (763, 17734), (773, 17761), (795, 17845), (797, 17851), (811, 17896), (813, 17902), (862, 17995), (889, 18091), (910, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 128

Candidate Starts for Schatzie_34:

(Start: 128 @26625 has 37 MA's), (Start: 196 @26715 has 48 MA's), (229, 26763), (242, 26793), (257, 26820), (294, 26922), (307, 26952), (346, 27051), (363, 27087), (365, 27093), (377, 27114), (405, 27186), (408, 27195), (415, 27216), (469, 27285), (482, 27324), (483, 27327), (490, 27342), (512, 27381), (526, 27429), (531, 27441), (535, 27447), (561, 27495), (566, 27504), (575, 27525), (583, 27543), (600, 27591), (638, 27693), (660, 27753), (667, 27765), (726, 27849), (731, 27861), (733, 27867), (741, 27879), (744, 27882), (757, 27921), (763, 27939), (776, 27975), (777, 27981), (801, 28068), (834, 28158), (862, 28200), (867, 28218), (877, 28248), (887, 28290), (906, 28344),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Scherzo_30:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459),

(889, 23516), (890, 23519),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Schiebel_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 144

Candidate Starts for Schnabeltier_19:

(78, 16846), (119, 16930), (Start: 126 @16942 has 1 MA's), (Start: 144 @16963 has 6 MA's), (257, 17134), (280, 17200), (290, 17233), (299, 17254), (377, 17446), (405, 17518), (427, 17560), (453, 17596), (467, 17626), (475, 17650), (494, 17692), (509, 17719), (547, 17776), (550, 17782), (589, 17869), (738, 18229), (748, 18253), (755, 18271), (795, 18367), (862, 18541), (863, 18544), (866, 18556), (887, 18631), (895, 18658),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Schnauzer_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 113

Candidate Starts for SchoolBus_56:

(Start: 106 @33460 has 2 MA's), (Start: 113 @33469 has 28 MA's), (Start: 179 @33559 has 33 MA's), (253, 33676), (265, 33712), (275, 33733), (283, 33760), (286, 33766), (299, 33796), (308, 33820), (330, 33871), (394, 34009), (396, 34015), (412, 34066), (413, 34069), (427, 34087), (475, 34138), (482, 34159), (483, 34162), (511, 34210), (512, 34216), (526, 34264), (528, 34270), (531, 34276), (563, 34336), (574, 34360), (575, 34363), (593, 34408), (598, 34423), (601, 34432), (604, 34441), (618, 34486), (628, 34504), (647, 34537), (722, 34675), (730, 34696), (758, 34762), (768, 34792), (784, 34846), (794, 34888), (801, 34909), (807, 34930), (811, 34942), (821, 34963), (844, 35017), (879, 35095), (886, 35131), (892, 35152), (900, 35179),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 102

Candidate Starts for SchottB_33:

(Start: 102 @30654 has 86 MA's), (Start: 126 @30690 has 1 MA's), (223, 30819), (231, 30828), (272, 30924), (275, 30933), (297, 31002), (315, 31053), (317, 31062), (333, 31098), (339, 31113), (345, 31131), (377, 31194), (397, 31239), (399, 31248), (463, 31359), (467, 31368), (472, 31383), (480, 31407), (496, 31437), (609, 31659), (616, 31677), (620, 31692), (652, 31734), (653, 31737), (660, 31764), (703, 31884), (795, 32088), (796, 32091), (811, 32139), (824, 32166), (833, 32193), (859, 32247),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 113

Candidate Starts for Schuy_57:

(Start: 106 @33251 has 2 MA's), (Start: 113 @33260 has 28 MA's), (Start: 179 @33350 has 33 MA's), (253, 33467), (265, 33503), (275, 33524), (283, 33551), (286, 33557), (299, 33587), (308, 33611),

(330, 33662), (394, 33800), (396, 33806), (412, 33857), (413, 33860), (427, 33878), (475, 33929), (482, 33950), (483, 33953), (511, 34001), (512, 34007), (526, 34055), (528, 34061), (531, 34067), (563, 34127), (574, 34151), (575, 34154), (593, 34199), (598, 34214), (601, 34223), (604, 34232), (618, 34277), (628, 34295), (647, 34328), (722, 34466), (730, 34487), (758, 34553), (768, 34583), (784, 34637), (794, 34679), (801, 34700), (807, 34721), (811, 34733), (821, 34754), (844, 34808), (879, 34886), (886, 34922), (892, 34943), (900, 34970),

Gene: Scioto_35 Start: 30754, Stop: 32376, Start Num: 214

Candidate Starts for Scioto_35:

(Start: 214 @30754 has 22 MA's), (232, 30775), (237, 30787), (261, 30838), (281, 30901), (310, 30973), (346, 31060), (370, 31111), (385, 31141), (414, 31222), (428, 31249), (483, 31348), (502, 31378), (508, 31387), (517, 31420), (518, 31423), (519, 31426), (522, 31435), (545, 31483), (574, 31531), (578, 31540), (614, 31639), (633, 31678), (640, 31690), (679, 31807), (722, 31846), (740, 31885), (761, 31942), (775, 31981), (777, 31990), (790, 32047), (793, 32059), (811, 32116), (813, 32122), (824, 32143), (835, 32176), (862, 32221), (899, 32350), (901, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Scitech_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Scorpio_25 Start: 18949, Stop: 20748, Start Num: 149

Candidate Starts for Scorpio_25:

(Start: 149 @18949 has 636 MA's), (285, 19186), (315, 19261), (319, 19276), (335, 19312), (366, 19384), (373, 19399), (389, 19432), (393, 19438), (487, 19633), (506, 19663), (509, 19669), (542, 19759), (560, 19804), (593, 19873), (609, 19915), (615, 19933), (652, 19993), (653, 19996), (684, 20089), (730, 20230), (747, 20266), (858, 20581), (861, 20590), (899, 20725),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 129

Candidate Starts for Scottish_17:

(Start: 129 @16108 has 222 MA's), (199, 16195), (Start: 233 @16240 has 2 MA's), (242, 16264), (283, 16369), (286, 16375), (292, 16393), (305, 16423), (350, 16528), (379, 16588), (383, 16597), (394, 16618), (401, 16642), (413, 16678), (415, 16684), (453, 16717), (455, 16720), (460, 16729), (467, 16744), (469, 16750), (475, 16768), (480, 16783), (482, 16789), (490, 16807), (493, 16810), (504, 16825), (506, 16828), (511, 16840), (512, 16846), (526, 16894), (531, 16906), (535, 16912), (574, 16972), (579, 16984), (593, 17020), (597, 17032), (624, 17107), (628, 17116), (638, 17134), (642, 17140), (652, 17170), (718, 17275), (721, 17284), (722, 17287), (738, 17323), (766, 17401), (794, 17500), (801, 17521), (811, 17554), (826, 17584), (829, 17596), (835, 17614), (839, 17620), (841, 17623), (844, 17629), (859, 17644), (860, 17647), (864, 17668), (865, 17671), (881, 17713), (899, 17785), (900, 17791),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 149

Candidate Starts for Scout_27:

(Start: 149 @19207 has 636 MA's), (Start: 195 @19267 has 1 MA's), (238, 19336), (280, 19438), (284, 19450), (285, 19453), (315, 19528), (319, 19543), (321, 19546), (336, 19582), (397, 19717), (428, 19786), (487, 19900), (542, 20026), (593, 20140), (601, 20164), (606, 20176), (609, 20182), (653, 20263), (679, 20338), (684, 20356), (686, 20365), (692, 20389), (697, 20395), (700, 20410), (715, 20452), (726, 20479), (730, 20488), (731, 20491), (744, 20512), (747, 20524), (813, 20737), (859,

20842), (861, 20848), (899, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 151

Candidate Starts for Scowl_28:

(Start: 151 @21803 has 225 MA's), (Start: 167 @21824 has 5 MA's), (Start: 195 @21866 has 1 MA's), (228, 21911), (315, 22127), (333, 22172), (336, 22181), (353, 22220), (377, 22271), (378, 22274), (416, 22367), (476, 22469), (510, 22538), (593, 22739), (594, 22742), (601, 22763), (652, 22859), (653, 22862), (655, 22868), (679, 22937), (684, 22955), (686, 22964), (697, 22994), (731, 23090), (747, 23123), (753, 23138), (795, 23279), (813, 23336), (861, 23447),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 170

Candidate Starts for Scuba_50:

(Start: 170 @30760 has 41 MA's), (Start: 179 @30775 has 33 MA's), (212, 30814), (Start: 246 @30874 has 1 MA's), (347, 31141), (381, 31207), (388, 31222), (402, 31258), (435, 31333), (454, 31363), (456, 31366), (464, 31384), (501, 31423), (513, 31453), (606, 31657), (626, 31687), (652, 31735), (653, 31738), (717, 31861), (731, 31897), (801, 32083), (868, 32236), (886, 32302), (890, 32314), (905, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Seabastian_16:

(Start: 129 @15041 has 222 MA's), (199, 15128), (Start: 215 @15149 has 57 MA's), (Start: 233 @15173 has 2 MA's), (242, 15197), (253, 15218), (283, 15302), (286, 15308), (292, 15326), (305, 15356), (350, 15461), (376, 15515), (379, 15521), (388, 15539), (389, 15542), (394, 15551), (401, 15575), (453, 15650), (460, 15662), (467, 15677), (469, 15683), (475, 15701), (480, 15716), (482, 15722), (498, 15749), (504, 15758), (511, 15773), (512, 15779), (526, 15827), (531, 15839), (535, 15845), (574, 15905), (579, 15917), (593, 15953), (597, 15965), (604, 15986), (624, 16040), (628, 16049), (638, 16067), (642, 16073), (652, 16103), (718, 16208), (721, 16217), (722, 16220), (738, 16256), (754, 16295), (766, 16334), (801, 16454), (811, 16487), (826, 16517), (835, 16547), (841, 16556), (844, 16562), (859, 16577), (860, 16580), (864, 16601), (865, 16604), (879, 16640), (881, 16646), (886, 16676), (899, 16718),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 151

Candidate Starts for Seabiscuit_29:

(Start: 151 @21127 has 225 MA's), (Start: 167 @21148 has 5 MA's), (Start: 195 @21190 has 1 MA's), (228, 21235), (315, 21451), (333, 21496), (336, 21505), (353, 21544), (377, 21595), (378, 21598), (476, 21793), (510, 21862), (593, 22063), (594, 22066), (601, 22087), (652, 22183), (653, 22186), (655, 22192), (679, 22261), (684, 22279), (686, 22288), (697, 22318), (731, 22414), (747, 22447), (753, 22462), (795, 22603), (813, 22660), (861, 22771),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 129

Candidate Starts for Seagreen_17:

(Start: 129 @14650 has 222 MA's), (199, 14737), (Start: 233 @14782 has 2 MA's), (242, 14806), (253, 14827), (283, 14911), (286, 14917), (292, 14935), (305, 14965), (350, 15070), (379, 15130), (383, 15139), (388, 15148), (389, 15151), (394, 15160), (399, 15178), (401, 15184), (475, 15310), (480, 15325), (482, 15331), (504, 15367), (506, 15370), (511, 15382), (512, 15388), (526, 15436), (531, 15448), (535, 15454), (574, 15514), (579, 15526), (593, 15562), (597, 15574), (624, 15649), (628, 15658), (638, 15676), (642, 15682), (652, 15712), (718, 15817), (721, 15826), (722, 15829), (738, 15865), (763, 15931), (766, 15943), (794, 16042), (801, 16063), (811, 16096), (826, 16126), (835, 16156), (841, 16165), (844, 16171), (859, 16186), (860, 16189), (865, 16213), (876, 16243), (881, 16255), (886, 16285), (899, 16327),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 151

Candidate Starts for Seanderson_28:

(Start: 151 @21601 has 225 MA's), (Start: 167 @21622 has 5 MA's), (Start: 195 @21664 has 1 MA's), (228, 21709), (315, 21925), (333, 21970), (336, 21979), (353, 22018), (377, 22069), (378, 22072), (476, 22267), (510, 22336), (593, 22537), (594, 22540), (601, 22561), (652, 22657), (653, 22660), (655, 22666), (679, 22735), (684, 22753), (686, 22762), (697, 22792), (731, 22888), (747, 22921), (753, 22936), (763, 22966), (795, 23077), (813, 23134), (861, 23245),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 102

Candidate Starts for Sedona_35:

(94, 31895), (Start: 102 @31913 has 86 MA's), (Start: 126 @31949 has 1 MA's), (231, 32087), (272, 32183), (275, 32192), (297, 32261), (315, 32312), (333, 32357), (339, 32372), (377, 32453), (397, 32498), (399, 32507), (453, 32597), (467, 32627), (472, 32642), (480, 32666), (496, 32696), (558, 32801), (609, 32918), (616, 32936), (620, 32951), (648, 32981), (652, 32993), (653, 32996), (660, 33023), (794, 33344), (795, 33347), (796, 33350), (811, 33398), (824, 33425), (833, 33452), (859, 33506), (864, 33530), (865, 33533), (890, 33623), (907, 33671),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 178

Candidate Starts for Sekhmet_20:

(96, 17580), (Start: 178 @17697 has 57 MA's), (308, 17955), (316, 17976), (338, 18030), (356, 18069), (378, 18126), (388, 18147), (510, 18318), (515, 18336), (522, 18360), (528, 18381), (568, 18423), (602, 18504), (653, 18594), (685, 18696), (686, 18699), (730, 18753), (782, 18891), (823, 19023), (862, 19122), (864, 19131), (873, 19161),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 149

Candidate Starts for SemperFi_30:

(98, 20469), (Start: 128 @20511 has 37 MA's), (Start: 149 @20535 has 636 MA's), (231, 20634), (265, 20718), (284, 20769), (285, 20772), (314, 20844), (315, 20847), (336, 20901), (353, 20940), (373, 20985), (389, 21018), (428, 21105), (472, 21186), (476, 21189), (594, 21462), (692, 21708), (718, 21762), (747, 21825), (753, 21840), (755, 21846), (774, 21900), (785, 21939), (788, 21954), (813, 22038), (850, 22119), (861, 22149), (899, 22284),

Gene: Sendy_32 Start: 26023, Stop: 27831, Start Num: 85

Candidate Starts for Sendy_32:

(85, 26023), (Start: 102 @26065 has 86 MA's), (Start: 126 @26101 has 1 MA's), (Start: 153 @26134 has 10 MA's), (274, 26344), (275, 26347), (284, 26377), (307, 26443), (315, 26467), (317, 26476), (332, 26509), (399, 26662), (416, 26701), (453, 26752), (460, 26764), (467, 26782), (471, 26794), (475, 26806), (480, 26821), (496, 26851), (499, 26854), (509, 26875), (554, 26947), (579, 26995), (620, 27106), (649, 27139), (660, 27178), (663, 27181), (686, 27253), (715, 27319), (719, 27331), (795, 27502), (796, 27505), (811, 27553), (824, 27580), (833, 27607), (835, 27613), (859, 27661), (890, 27778), (896, 27799), (907, 27826),

Gene: SenorClean_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for SenorClean_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 149

Candidate Starts for Serenity_27:

(Start: 128 @19117 has 37 MA's), (Start: 149 @19141 has 636 MA's), (255, 19294), (284, 19375), (285, 19378), (314, 19450), (315, 19453), (336, 19507), (339, 19513), (345, 19531), (373, 19591), (389, 19624), (393, 19630), (405, 19669), (428, 19711), (472, 19792), (476, 19795), (506, 19855), (553, 19981), (593, 20065), (609, 20107), (639, 20158), (653, 20188), (692, 20314), (715, 20377), (747, 20449), (753, 20464), (761, 20488), (785, 20563), (788, 20578), (813, 20662), (859, 20767), (861, 20773), (864, 20791), (872, 20818), (876, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 149

Candidate Starts for Severus_26:

(Start: 128 @17864 has 37 MA's), (Start: 149 @17888 has 636 MA's), (Start: 195 @17945 has 1 MA's), (205, 17960), (238, 18014), (284, 18128), (285, 18131), (315, 18206), (331, 18245), (389, 18377), (428, 18464), (470, 18539), (487, 18578), (510, 18617), (542, 18704), (560, 18749), (593, 18818), (601, 18842), (606, 18854), (609, 18860), (684, 19034), (686, 19043), (692, 19067), (697, 19073), (700, 19088), (718, 19121), (744, 19172), (763, 19229), (764, 19235), (813, 19397), (859, 19502), (861, 19508), (862, 19517), (899, 19643),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for SgtBeansprout_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for ShaboiShabazz_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 128

Candidate Starts for Shaboozey_28:

(Start: 128 @23259 has 37 MA's), (Start: 196 @23349 has 48 MA's), (199, 23352), (257, 23454), (280, 23520), (294, 23556), (307, 23586), (312, 23601), (346, 23685), (363, 23721), (377, 23748), (395, 23787), (405, 23820), (408, 23829), (455, 23886), (472, 23928), (509, 24003), (512, 24015), (531, 24075), (561, 24129), (575, 24159), (583, 24177), (588, 24186), (598, 24219), (602, 24231), (604, 24237), (616, 24276), (642, 24333), (726, 24483), (733, 24501), (753, 24543), (761, 24567), (762, 24570), (766, 24585), (777, 24615), (786, 24645), (801, 24702), (867, 24852), (901, 24972), (906, 24978),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 118

Candidate Starts for Shadow1_21:

(Start: 111 @16205 has 26 MA's), (Start: 118 @16214 has 152 MA's), (143, 16244), (Start: 233 @16370 has 2 MA's), (238, 16385), (Start: 246 @16403 has 1 MA's), (262, 16436), (273, 16466), (288, 16511), (317, 16601), (333, 16637), (369, 16724), (412, 16829), (413, 16832), (455, 16898), (459, 16904), (475, 16946), (477, 16952), (582, 17135), (603, 17195), (649, 17297), (653, 17309), (669, 17357), (691, 17432), (718, 17456), (749, 17516), (762, 17552), (773, 17582), (795, 17666), (811, 17717), (813, 17723), (862, 17816), (900, 17951), (901, 17954), (910, 17972),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Shaka_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (361, 20256), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Sham4_28:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (361, 21175), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 134

Candidate Starts for ShamWow_24:

(Start: 134 @19746 has 130 MA's), (Start: 196 @19830 has 48 MA's), (Start: 246 @19908 has 1 MA's), (280, 19995), (286, 20010), (305, 20058), (320, 20097), (361, 20184), (377, 20217), (394, 20253), (402, 20283), (405, 20289), (458, 20358), (477, 20388), (481, 20400), (482, 20403), (512, 20460), (575, 20592), (578, 20598), (602, 20664), (604, 20670), (612, 20694), (628, 20742), (642, 20766), (647, 20775), (672, 20850), (721, 20901), (726, 20916), (786, 21078), (792, 21105), (801, 21135), (843, 21240), (879, 21318), (886, 21354), (889, 21363), (899, 21396), (906, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Shaobing_23:

(Start: 111 @16505 has 26 MA's), (Start: 118 @16514 has 152 MA's), (Start: 121 @16520 has 18 MA's), (143, 16544), (Start: 171 @16583 has 8 MA's), (Start: 233 @16670 has 2 MA's), (238, 16685), (Start: 246 @16703 has 1 MA's), (262, 16736), (273, 16766), (317, 16901), (333, 16937), (365, 17015), (369, 17024), (412, 17129), (413, 17132), (428, 17171), (455, 17198), (459, 17204), (475, 17246), (477, 17252), (487, 17279), (574, 17417), (582, 17435), (614, 17525), (628, 17552), (647, 17585), (669, 17657), (686, 17711), (715, 17747), (723, 17771), (749, 17816), (761, 17849), (765, 17864), (773, 17882), (776, 17891), (795, 17966), (811, 18017), (813, 18023), (864, 18125), (900, 18251), (901, 18254), (910, 18272),

Gene: Shapes_31 Start: 19855, Stop: 21633, Start Num: 149

Candidate Starts for Shapes_31:

(Start: 149 @19855 has 636 MA's), (Start: 195 @19912 has 1 MA's), (205, 19927), (231, 19960), (238, 19981), (280, 20083), (284, 20095), (285, 20098), (315, 20173), (319, 20188), (336, 20227), (389, 20344), (397, 20362), (428, 20431), (461, 20485), (470, 20506), (487, 20545), (510, 20584), (542, 20671), (560, 20716), (587, 20764), (593, 20785), (601, 20809), (606, 20821), (609, 20827), (653, 20908), (684, 21001), (686, 21010), (692, 21034), (697, 21040), (700, 21055), (718, 21088), (744, 21139), (749, 21157), (764, 21202), (813, 21364), (826, 21388), (828, 21394), (859, 21469), (861, 21475), (862, 21484), (879, 21535), (899, 21610),

Gene: SharkTale_31 Start: 26615, Stop: 28423, Start Num: 85

Candidate Starts for SharkTale_31:

(85, 26615), (94, 26645), (Start: 102 @26657 has 86 MA's), (Start: 126 @26693 has 1 MA's), (Start: 146 @26717 has 12 MA's), (Start: 153 @26726 has 10 MA's), (253, 26882), (274, 26936), (275, 26939), (284, 26969), (315, 27059), (317, 27068), (332, 27101), (399, 27254), (416, 27293), (453, 27344), (460, 27356), (467, 27374), (471, 27386), (475, 27398), (480, 27413), (496, 27443), (499, 27446), (509, 27467), (579, 27587), (620, 27698), (649, 27731), (663, 27773), (686, 27845), (715, 27911), (795, 28094), (796, 28097), (811, 28145), (824, 28172), (833, 28199), (859, 28253), (890, 28370), (896, 28391), (907, 28418),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 129

Candidate Starts for Shauna1_16:

(Start: 129 @14859 has 222 MA's), (199, 14946), (Start: 233 @14991 has 2 MA's), (242, 15015), (283, 15120), (286, 15126), (292, 15144), (305, 15174), (350, 15279), (379, 15339), (389, 15360), (394, 15369), (401, 15393), (453, 15468), (455, 15471), (475, 15519), (480, 15534), (482, 15540), (504, 15576), (506, 15579), (511, 15591), (512, 15597), (526, 15645), (531, 15657), (535, 15663), (574, 15723), (579, 15735), (593, 15771), (597, 15783), (624, 15858), (628, 15867), (638, 15885), (642, 15891), (652, 15921), (718, 16026), (721, 16035), (722, 16038), (738, 16074), (766, 16152), (794, 16251), (801, 16272), (811, 16305), (826, 16335), (835, 16365), (841, 16374), (844, 16380), (859, 16395), (860, 16398), (865, 16422), (876, 16452), (881, 16464), (886, 16494), (899, 16536),

Gene: ShawBrad_20 Start: 16436, Stop: 18133, Start Num: 149

Candidate Starts for ShawBrad_20:

(119, 16397), (Start: 149 @16436 has 636 MA's), (Start: 156 @16448 has 1 MA's), (Start: 215 @16526 has 57 MA's), (231, 16547), (253, 16595), (257, 16604), (273, 16646), (284, 16682), (304, 16739), (319, 16787), (332, 16814), (416, 17012), (427, 17030), (436, 17039), (441, 17045), (467, 17093), (477, 17123), (494, 17159), (509, 17186), (510, 17189), (525, 17240), (555, 17270), (571, 17297), (584, 17324), (611, 17396), (637, 17435), (663, 17489), (678, 17531), (701, 17606), (736, 17669), (748, 17696), (749, 17699), (755, 17714), (792, 17798), (794, 17807), (795, 17810), (797, 17816), (801, 17828), (803, 17831), (812, 17861), (814, 17867), (824, 17888), (826, 17891), (849, 17945), (861, 17975), (862, 17984), (878, 18035), (886, 18068), (890, 18080), (895, 18098),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 149

Candidate Starts for ShayRa_31:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 149

Candidate Starts for SheaKeira_28:

(98, 19662), (Start: 128 @19704 has 37 MA's), (Start: 149 @19728 has 636 MA's), (284, 19962), (285, 19965), (314, 20037), (315, 20040), (319, 20055), (321, 20058), (336, 20094), (339, 20100), (377, 20184), (389, 20211), (393, 20217), (428, 20298), (470, 20373), (472, 20379), (476, 20382), (506, 20442), (510, 20451), (587, 20631), (609, 20694), (639, 20745), (653, 20775), (658, 20793), (692, 20901), (731, 21003), (736, 21012), (753, 21051), (761, 21075), (785, 21150), (788, 21165), (813, 21249), (859, 21354), (861, 21360), (889, 21462),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 149

Candidate Starts for SheckWes_17:

(Start: 139 @15412 has 9 MA's), (Start: 149 @15415 has 636 MA's), (226, 15514), (Start: 246 @15556 has 1 MA's), (257, 15577), (297, 15694), (335, 15796), (373, 15883), (388, 15913), (398, 15940), (416, 15985), (428, 16003), (441, 16018), (451, 16033), (475, 16090), (487, 16123), (496, 16135), (548, 16222), (553, 16240), (569, 16270), (584, 16300), (590, 16315), (606, 16363), (634, 16414), (653,

16450), (657, 16465), (664, 16483), (684, 16540), (748, 16669), (753, 16681), (794, 16780), (795, 16783), (801, 16801), (830, 16879), (842, 16906), (861, 16948), (901, 17095), (906, 17101),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 118

Candidate Starts for ShedlockHolmes_22:

(Start: 111 @17567 has 26 MA's), (Start: 118 @17576 has 152 MA's), (Start: 137 @17588 has 56 MA's), (204, 17678), (238, 17735), (262, 17786), (273, 17816), (280, 17840), (365, 18071), (369, 18080), (377, 18092), (408, 18173), (412, 18185), (413, 18188), (459, 18260), (463, 18269), (475, 18302), (477, 18308), (496, 18347), (512, 18383), (574, 18473), (598, 18536), (609, 18566), (635, 18623), (669, 18716), (744, 18854), (749, 18872), (765, 18920), (775, 18944), (782, 18971), (797, 19028), (811, 19073), (862, 19175), (886, 19262), (889, 19271), (895, 19292), (900, 19310), (903, 19316), (910, 19331),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 149

Candidate Starts for Sheen_29:

(Start: 138 @22967 has 1 MA's), (Start: 149 @22979 has 636 MA's), (Start: 195 @23027 has 1 MA's), (207, 23045), (284, 23210), (285, 23213), (315, 23288), (319, 23303), (336, 23342), (393, 23465), (395, 23471), (405, 23504), (428, 23546), (506, 23690), (554, 23816), (593, 23897), (609, 23939), (633, 23987), (652, 24035), (653, 24038), (679, 24113), (684, 24131), (686, 24140), (692, 24164), (697, 24170), (730, 24263), (731, 24266), (747, 24299), (753, 24314), (795, 24455), (850, 24593), (859, 24617), (861, 24623), (890, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 149

Candidate Starts for SheldonCooper_28:

(Start: 128 @20115 has 37 MA's), (Start: 149 @20139 has 636 MA's), (Start: 153 @20145 has 10 MA's), (Start: 195 @20199 has 1 MA's), (205, 20214), (238, 20268), (Start: 246 @20286 has 1 MA's), (280, 20370), (284, 20382), (285, 20385), (315, 20460), (319, 20475), (336, 20514), (389, 20631), (428, 20718), (472, 20799), (499, 20847), (510, 20871), (542, 20958), (560, 21003), (594, 21075), (601, 21096), (609, 21114), (653, 21195), (679, 21270), (684, 21288), (686, 21297), (692, 21321), (697, 21327), (702, 21351), (726, 21393), (731, 21405), (744, 21426), (761, 21477), (770, 21501), (786, 21555), (813, 21651), (859, 21756), (862, 21771), (893, 21879), (899, 21897),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 134

Candidate Starts for ShereKhan_26:

(Start: 134 @20729 has 130 MA's), (Start: 196 @20813 has 48 MA's), (Start: 246 @20891 has 1 MA's), (280, 20978), (286, 20993), (305, 21041), (320, 21080), (361, 21167), (377, 21200), (394, 21236), (402, 21266), (405, 21272), (458, 21341), (477, 21371), (481, 21383), (482, 21386), (512, 21443), (575, 21575), (578, 21581), (602, 21647), (604, 21653), (612, 21677), (628, 21725), (642, 21749), (647, 21758), (672, 21833), (721, 21884), (726, 21899), (786, 22061), (792, 22088), (801, 22118), (843, 22223), (879, 22301), (886, 22337), (889, 22346), (899, 22379), (906, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for ShiLan_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (376, 15286), (379, 15292), (383, 15301), (394, 15322), (401, 15346), (413, 15382), (415, 15388), (453, 15421), (455, 15424), (460, 15433), (467, 15448), (469, 15454), (475, 15472), (480, 15487), (482, 15493), (490, 15511), (493, 15514), (504, 15529), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (722, 15991), (738, 16027), (766, 16105), (801, 16225), (811, 16258), (826, 16288), (829, 16300), (835, 16318), (839, 16324), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (864, 16372), (865, 16375), (881, 16417), (886, 16447), (899, 16489), (900, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for ShiaSurprise_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 113

Candidate Starts for Shida_56:

(Start: 106 @33158 has 2 MA's), (Start: 113 @33167 has 28 MA's), (Start: 179 @33257 has 33 MA's), (253, 33374), (265, 33410), (275, 33431), (283, 33458), (286, 33464), (299, 33494), (308, 33518), (330, 33569), (394, 33707), (396, 33713), (412, 33764), (413, 33767), (427, 33785), (475, 33836), (482, 33857), (483, 33860), (511, 33908), (512, 33914), (526, 33962), (528, 33968), (531, 33974), (563, 34034), (574, 34058), (575, 34061), (593, 34106), (598, 34121), (601, 34130), (604, 34139), (618, 34184), (628, 34202), (647, 34235), (722, 34373), (730, 34394), (758, 34460), (768, 34490), (784, 34544), (794, 34586), (801, 34607), (807, 34628), (811, 34640), (821, 34661), (844, 34715), (879, 34793), (886, 34829), (892, 34850), (900, 34877),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 85

Candidate Starts for Shinji_31:

(85, 25793), (Start: 102 @25835 has 86 MA's), (Start: 126 @25871 has 1 MA's), (Start: 153 @25904 has 10 MA's), (274, 26114), (275, 26117), (284, 26147), (307, 26213), (315, 26237), (317, 26246), (332, 26279), (399, 26432), (416, 26471), (453, 26522), (460, 26534), (467, 26552), (471, 26564), (475, 26576), (480, 26591), (496, 26621), (499, 26624), (509, 26645), (554, 26717), (579, 26765), (620, 26876), (649, 26909), (660, 26948), (663, 26951), (686, 27023), (715, 27089), (719, 27101), (795, 27272), (796, 27275), (811, 27323), (824, 27350), (833, 27377), (835, 27383), (859, 27431), (890, 27548), (896, 27569), (907, 27596),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 122

Candidate Starts for Shipwreck_18:

(Start: 107 @16062 has 2 MA's), (Start: 122 @16086 has 48 MA's), (Start: 170 @16146 has 41 MA's), (183, 16167), (185, 16170), (260, 16290), (274, 16329), (284, 16362), (294, 16386), (344, 16506), (361, 16545), (363, 16551), (399, 16635), (401, 16641), (405, 16653), (413, 16677), (442, 16704), (458, 16722), (473, 16761), (475, 16767), (483, 16791), (512, 16845), (516, 16857), (518, 16866), (545, 16926), (583, 17004), (597, 17043), (609, 17076), (628, 17142), (636, 17157), (642, 17166), (650, 17190), (660, 17220), (667, 17232), (733, 17334), (741, 17346), (744, 17349), (746, 17355), (748, 17364), (784, 17472), (807, 17556), (852, 17655), (889, 17763), (906, 17811),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 102

Candidate Starts for Shivanishola_36:

(94, 30857), (Start: 102 @30875 has 86 MA's), (Start: 126 @30911 has 1 MA's), (231, 31049), (272, 31145), (275, 31154), (297, 31223), (315, 31274), (333, 31319), (339, 31334), (377, 31415), (397, 31460), (399, 31469), (453, 31559), (467, 31589), (472, 31604), (480, 31628), (496, 31658), (558, 31763), (609, 31880), (616, 31898), (620, 31913), (648, 31943), (652, 31955), (653, 31958), (660, 31985), (795, 32309), (796, 32312), (811, 32360), (824, 32387), (833, 32414), (859, 32468), (865, 32495), (901, 32624),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 178

Candidate Starts for Shlim410_20:

(96, 17785), (Start: 178 @17902 has 57 MA's), (308, 18160), (316, 18181), (338, 18235), (356, 18274), (378, 18331), (388, 18352), (510, 18523), (515, 18541), (522, 18565), (528, 18586), (568, 18628), (602, 18709), (653, 18799), (669, 18850), (685, 18901), (686, 18904), (730, 18958), (766, 19048), (862, 19327), (864, 19336), (873, 19366),

Gene: ShortQueendom_27 Start: 21041, Stop: 22843, Start Num: 151

Candidate Starts for ShortQueendom_27:

(Start: 151 @21041 has 225 MA's), (Start: 167 @21062 has 5 MA's), (Start: 195 @21104 has 1 MA's), (228, 21149), (315, 21365), (333, 21410), (336, 21419), (353, 21458), (377, 21509), (378, 21512), (476, 21707), (510, 21776), (593, 21977), (594, 21980), (601, 22001), (652, 22097), (653, 22100), (655, 22106), (679, 22175), (684, 22193), (686, 22202), (697, 22232), (731, 22328), (747, 22361), (753, 22376), (795, 22517), (813, 22574), (861, 22685),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for ShowerHandel_16:

(Start: 129 @14813 has 222 MA's), (199, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (283, 15074), (286, 15080), (292, 15098), (305, 15128), (350, 15233), (376, 15287), (379, 15293), (383, 15302), (394, 15323), (401, 15347), (413, 15383), (415, 15389), (453, 15422), (455, 15425), (460, 15434), (467, 15449), (469, 15455), (475, 15473), (480, 15488), (482, 15494), (490, 15512), (493, 15515), (504, 15530), (511, 15545), (512, 15551), (526, 15599), (531, 15611), (535, 15617), (574, 15677), (579, 15689), (593, 15725), (597, 15737), (624, 15812), (628, 15821), (638, 15839), (642, 15845), (652, 15875), (718, 15980), (722, 15992), (738, 16028), (766, 16106), (801, 16226), (811, 16259), (826, 16289), (829, 16301), (835, 16319), (839, 16325), (841, 16328), (844, 16334), (859, 16349), (860, 16352), (864, 16373), (865, 16376), (881, 16418), (886, 16448), (899, 16490), (900, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for ShrimpFriedEgg_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 129

Candidate Starts for ShroomBoi_16:

(Start: 129 @14841 has 222 MA's), (199, 14928), (Start: 233 @14973 has 2 MA's), (242, 14997), (283, 15102), (286, 15108), (292, 15126), (305, 15156), (350, 15261), (379, 15321), (389, 15342), (394, 15351), (401, 15375), (475, 15501), (480, 15516), (482, 15522), (504, 15558), (506, 15561), (511, 15573), (512, 15579), (526, 15627), (531, 15639), (535, 15645), (574, 15705), (579, 15717), (593, 15753), (597, 15765), (624, 15840), (628, 15849), (638, 15867), (642, 15873), (652, 15903), (718, 16008), (721, 16017), (722, 16020), (738, 16056), (766, 16134), (794, 16233), (801, 16254), (811, 16287), (826, 16317), (835, 16347), (839, 16353), (841, 16356), (844, 16362), (859, 16377), (860, 16380), (864, 16401), (881, 16446), (886, 16476), (899, 16518), (900, 16524),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Shuman_23:

(Start: 163 @16334 has 3 MA's), (Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (441, 16910), (451, 16925), (453, 16928), (470, 16967), (476, 16976), (514, 17060), (587,

17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (698, 17453), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Shweta_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 149

Candidate Starts for Shygu2_27:

(Start: 128 @19793 has 37 MA's), (Start: 149 @19817 has 636 MA's), (Start: 153 @19823 has 10 MA's), (Start: 195 @19877 has 1 MA's), (238, 19946), (273, 20024), (280, 20048), (284, 20060), (285, 20063), (302, 20099), (315, 20138), (319, 20153), (336, 20192), (378, 20285), (389, 20309), (428, 20396), (510, 20549), (542, 20636), (560, 20681), (593, 20750), (601, 20774), (606, 20786), (653, 20873), (679, 20948), (684, 20966), (686, 20975), (692, 20999), (697, 21005), (700, 21020), (712, 21053), (730, 21098), (731, 21101), (744, 21122), (813, 21347), (849, 21425), (859, 21452), (861, 21458), (899, 21593),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 129

Candidate Starts for SiSi_16:

(Start: 129 @14795 has 222 MA's), (199, 14882), (Start: 233 @14927 has 2 MA's), (242, 14951), (265, 15008), (283, 15056), (286, 15062), (292, 15080), (305, 15110), (350, 15215), (376, 15269), (379, 15275), (383, 15284), (389, 15296), (394, 15305), (401, 15329), (413, 15365), (415, 15371), (427, 15383), (453, 15404), (455, 15407), (460, 15416), (467, 15431), (469, 15437), (475, 15455), (480, 15470), (482, 15476), (490, 15494), (493, 15497), (504, 15512), (511, 15527), (512, 15533), (521, 15563), (526, 15581), (531, 15593), (535, 15599), (574, 15659), (579, 15671), (593, 15707), (597, 15719), (604, 15740), (624, 15794), (628, 15803), (642, 15827), (652, 15857), (718, 15962), (722, 15974), (738, 16010), (754, 16049), (766, 16088), (794, 16187), (801, 16208), (811, 16241), (826, 16271), (835, 16301), (841, 16310), (844, 16316), (859, 16331), (860, 16334), (864, 16355), (865, 16358), (881, 16400), (886, 16430), (899, 16472), (900, 16478),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 151

Candidate Starts for Sibs6_29:

(Start: 151 @21686 has 225 MA's), (Start: 167 @21707 has 5 MA's), (Start: 195 @21749 has 1 MA's), (228, 21794), (315, 22010), (333, 22055), (336, 22064), (353, 22103), (377, 22154), (378, 22157), (476, 22352), (510, 22421), (593, 22622), (594, 22625), (601, 22646), (652, 22742), (653, 22745), (655, 22751), (679, 22820), (684, 22838), (686, 22847), (697, 22877), (731, 22973), (747, 23006), (753, 23021), (795, 23162), (813, 23219), (861, 23330),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 178

Candidate Starts for Sidious_19:

(55, 16992), (65, 17067), (66, 17088), (Start: 178 @17289 has 57 MA's), (262, 17409), (304, 17538), (308, 17547), (315, 17565), (316, 17568), (338, 17622), (398, 17766), (401, 17775), (423, 17838), (444, 17874), (445, 17877), (510, 17910), (526, 17967), (568, 18033), (617, 18144), (637, 18168), (653, 18204), (685, 18306), (730, 18363), (766, 18453), (849, 18693), (873, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Silvafighter_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: SilverChicken_19 Start: 13744, Stop: 15408, Start Num: 153

Candidate Starts for SilverChicken_19:

(Start: 153 @13744 has 10 MA's), (Start: 214 @13825 has 22 MA's), (Start: 233 @13855 has 2 MA's), (241, 13876), (248, 13888), (275, 13954), (287, 13993), (290, 14005), (301, 14029), (318, 14086), (319, 14089), (331, 14113), (333, 14119), (334, 14122), (353, 14167), (361, 14185), (378, 14221), (428, 14332), (455, 14368), (467, 14395), (471, 14407), (472, 14410), (487, 14452), (496, 14464), (509, 14488), (550, 14542), (593, 14641), (641, 14734), (653, 14761), (656, 14773), (681, 14824), (684, 14839), (713, 14893), (726, 14920), (795, 15082), (796, 15085), (797, 15088), (842, 15205), (861, 15247), (884, 15331), (896, 15376), (901, 15394),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Silvy_18:

(Start: 134 @14990 has 130 MA's), (155, 15017), (Start: 233 @15122 has 2 MA's), (237, 15134), (254, 15170), (274, 15221), (283, 15251), (286, 15257), (297, 15284), (301, 15290), (350, 15410), (376, 15464), (379, 15470), (388, 15488), (394, 15500), (395, 15503), (401, 15524), (415, 15566), (453, 15599), (475, 15650), (480, 15665), (504, 15707), (511, 15722), (512, 15728), (526, 15776), (539, 15800), (554, 15830), (574, 15854), (597, 15914), (601, 15926), (618, 15980), (624, 15989), (651, 16049), (652, 16052), (718, 16157), (721, 16166), (738, 16205), (785, 16343), (834, 16493), (835, 16496), (841, 16505), (859, 16526), (865, 16553), (879, 16589), (906, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 134

Candidate Starts for Simpliphy_25:

(Start: 134 @19491 has 130 MA's), (Start: 196 @19575 has 48 MA's), (Start: 246 @19653 has 1 MA's), (280, 19740), (286, 19755), (305, 19803), (320, 19842), (361, 19929), (377, 19962), (394, 19998), (402, 20028), (405, 20034), (458, 20103), (477, 20133), (481, 20145), (482, 20148), (512, 20205), (575, 20337), (578, 20343), (602, 20409), (604, 20415), (612, 20439), (628, 20487), (642, 20511), (647, 20520), (672, 20595), (721, 20646), (726, 20661), (786, 20823), (792, 20850), (801, 20880), (843, 20985), (879, 21063), (886, 21099), (889, 21108), (899, 21141), (906, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 129

Candidate Starts for SimranZ1_17:

(Start: 129 @14664 has 222 MA's), (199, 14751), (Start: 233 @14796 has 2 MA's), (242, 14820), (283, 14925), (286, 14931), (292, 14949), (305, 14979), (350, 15084), (379, 15144), (394, 15174), (401, 15198), (415, 15240), (453, 15273), (467, 15300), (475, 15324), (480, 15339), (482, 15345), (504, 15381), (506, 15384), (511, 15396), (512, 15402), (526, 15450), (531, 15462), (535, 15468), (574, 15528), (579, 15540), (593, 15576), (597, 15588), (604, 15609), (624, 15663), (628, 15672), (638, 15690), (642, 15696), (652, 15726), (718, 15831), (721, 15840), (722, 15843), (738, 15879), (754, 15918), (766, 15957), (794, 16056), (801, 16077), (811, 16110), (826, 16140), (835, 16170), (839, 16176), (841, 16179), (844, 16185), (859, 16200), (860, 16203), (865, 16227), (881, 16269), (899, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 134

Candidate Starts for SirDuracell_23:

(Start: 134 @18412 has 130 MA's), (Start: 196 @18496 has 48 MA's), (Start: 246 @18574 has 1 MA's), (280, 18661), (286, 18676), (305, 18724), (320, 18763), (361, 18850), (377, 18883), (394, 18919), (402, 18949), (405, 18955), (458, 19024), (477, 19054), (481, 19066), (482, 19069), (512, 19126), (575, 19258), (578, 19264), (602, 19330), (604, 19336), (612, 19360), (628, 19408), (642, 19432), (647, 19441), (672, 19516), (721, 19567), (726, 19582), (786, 19744), (792, 19771), (801, 19801), (843, 19906), (879, 19984), (886, 20020), (889, 20029), (899, 20062), (906, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 118

Candidate Starts for SirPhilip_22:

(Start: 95 @15962 has 1 MA's), (Start: 111 @15992 has 26 MA's), (Start: 118 @16001 has 152 MA's), (143, 16031), (165, 16058), (238, 16172), (Start: 246 @16190 has 1 MA's), (262, 16223), (273, 16253), (283, 16286), (317, 16388), (335, 16430), (369, 16511), (408, 16604), (412, 16616), (413, 16619), (427, 16655), (428, 16658), (445, 16673), (455, 16685), (459, 16691), (475, 16733), (477, 16739), (487, 16766), (509, 16802), (574, 16904), (582, 16922), (603, 16982), (614, 17012), (649, 17084), (653, 17096), (721, 17252), (749, 17303), (773, 17369), (776, 17378), (792, 17441), (795, 17453), (811, 17504), (862, 17603), (879, 17654), (901, 17741), (910, 17759),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 102

Candidate Starts for Sitar_35:

(94, 31947), (Start: 102 @31965 has 86 MA's), (Start: 126 @32001 has 1 MA's), (231, 32139), (272, 32235), (275, 32244), (297, 32313), (315, 32364), (333, 32409), (339, 32424), (377, 32505), (397, 32550), (399, 32559), (453, 32649), (467, 32679), (472, 32694), (480, 32718), (496, 32748), (558, 32853), (609, 32970), (616, 32988), (620, 33003), (648, 33033), (652, 33045), (653, 33048), (660, 33075), (795, 33399), (796, 33402), (811, 33450), (824, 33477), (833, 33504), (859, 33558), (865, 33585), (907, 33723),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 175

Candidate Starts for Sixama_99:

(Start: 175 @59417 has 1 MA's), (198, 59450), (274, 59600), (275, 59603), (286, 59636), (299, 59666), (301, 59669), (394, 59879), (402, 59909), (418, 59951), (427, 59966), (428, 59969), (481, 60065), (502, 60101), (655, 60461), (667, 60497), (731, 60593), (741, 60611), (750, 60635), (777, 60713), (866, 60953), (899, 61067), (906, 61082),

Gene: Sixsevenium_32 Start: 25768, Stop: 27534, Start Num: 102

Candidate Starts for Sixsevenium_32:

(85, 25726), (94, 25756), (Start: 102 @25768 has 86 MA's), (Start: 126 @25804 has 1 MA's), (Start: 146 @25828 has 12 MA's), (Start: 153 @25837 has 10 MA's), (253, 25993), (254, 25996), (274, 26047), (275, 26050), (284, 26080), (297, 26119), (315, 26170), (317, 26179), (332, 26212), (399, 26365), (416, 26404), (453, 26455), (460, 26467), (467, 26485), (471, 26497), (475, 26509), (480, 26524), (496, 26554), (499, 26557), (509, 26578), (579, 26698), (620, 26809), (649, 26842), (663, 26884), (686, 26956), (715, 27022), (795, 27205), (796, 27208), (811, 27256), (824, 27283), (833, 27310), (859, 27364), (890, 27481), (896, 27502), (907, 27529),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 111

Candidate Starts for Sizemore_18:

(Start: 111 @16641 has 26 MA's), (Start: 137 @16650 has 56 MA's), (143, 16656), (147, 16662), (238, 16794), (262, 16845), (273, 16875), (280, 16899), (315, 17001), (331, 17040), (333, 17046), (339, 17061), (358, 17106), (408, 17226), (429, 17283), (459, 17322), (477, 17370), (487, 17397), (496, 17409), (532, 17490), (574, 17535), (653, 17733), (662, 17763), (669, 17781), (679, 17808), (722, 17892), (735, 17910), (745, 17925), (761, 17973), (765, 17988), (786, 18051), (801, 18108), (813, 18147), (831, 18189), (862, 18240), (889, 18336), (910, 18396),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 139

Candidate Starts for SketchMex_17:

(119, 15350), (Start: 139 @15377 has 9 MA's), (Start: 149 @15380 has 636 MA's), (274, 15590), (333, 15758), (335, 15764), (384, 15872), (388, 15881), (398, 15908), (408, 15938), (416, 15953), (441, 15986), (449, 15998), (467, 16034), (487, 16091), (496, 16103), (584, 16268), (653, 16418), (657, 16433), (664, 16451), (684, 16508), (748, 16637), (753, 16649), (760, 16667), (769, 16676), (794, 16748), (795, 16751), (797, 16757), (801, 16769), (842, 16874), (847, 16883), (861, 16916),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 151

Candidate Starts for SkiPole_29:

(Start: 151 @21425 has 225 MA's), (Start: 167 @21446 has 5 MA's), (Start: 195 @21488 has 1 MA's), (228, 21533), (315, 21749), (333, 21794), (336, 21803), (377, 21893), (378, 21896), (416, 21989), (476, 22091), (510, 22160), (589, 22349), (593, 22361), (594, 22364), (601, 22385), (652, 22481), (653, 22484), (655, 22490), (679, 22559), (684, 22577), (686, 22586), (697, 22616), (731, 22712), (747, 22745), (753, 22760), (795, 22901), (813, 22958), (861, 23069), (907, 23222),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for SkinnyPete_18:

(Start: 134 @14990 has 130 MA's), (155, 15017), (183, 15056), (Start: 233 @15122 has 2 MA's), (237, 15134), (254, 15170), (264, 15194), (274, 15221), (280, 15242), (283, 15251), (286, 15257), (301, 15290), (376, 15464), (379, 15470), (383, 15479), (388, 15488), (394, 15500), (401, 15524), (415, 15566), (453, 15599), (475, 15650), (476, 15653), (480, 15665), (504, 15707), (511, 15722), (512, 15728), (526, 15776), (554, 15830), (574, 15854), (601, 15926), (618, 15980), (624, 15989), (628, 15998), (642, 16022), (651, 16049), (652, 16052), (718, 16157), (721, 16166), (738, 16205), (768, 16286), (785, 16343), (794, 16382), (835, 16496), (859, 16526), (860, 16529), (865, 16553), (879, 16589),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for Skipitt_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Sknot_28 Start: 20214, Stop: 21986, Start Num: 149

Candidate Starts for Sknot_28:

(Start: 128 @20190 has 37 MA's), (Start: 149 @20214 has 636 MA's), (245, 20349), (255, 20367), (284, 20448), (285, 20451), (314, 20523), (315, 20526), (319, 20541), (336, 20580), (339, 20586), (366, 20649), (389, 20697), (401, 20730), (428, 20784), (472, 20865), (476, 20868), (487, 20898), (553, 21054), (594, 21141), (653, 21261), (691, 21384), (692, 21387), (697, 21393), (718, 21441), (747, 21504), (753, 21519), (755, 21525), (774, 21579), (785, 21618), (788, 21633), (797, 21666), (859, 21822), (861, 21828), (876, 21882),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 170

Candidate Starts for Skysand_43:

(Start: 170 @30914 has 41 MA's), (Start: 246 @31031 has 1 MA's), (273, 31109), (338, 31271), (343, 31283), (347, 31298), (381, 31364), (388, 31379), (435, 31490), (454, 31520), (456, 31523), (501, 31580), (525, 31652), (576, 31736), (587, 31757), (626, 31844), (652, 31892), (717, 32018), (718, 32021), (731, 32054), (763, 32111), (801, 32240), (813, 32279), (865, 32384), (884, 32447), (886, 32459), (890, 32471), (892, 32480), (905, 32516),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 151

Candidate Starts for Slagathor_28:

(Start: 151 @21029 has 225 MA's), (Start: 167 @21050 has 5 MA's), (Start: 195 @21092 has 1 MA's), (228, 21137), (315, 21353), (333, 21398), (336, 21407), (353, 21446), (377, 21497), (378, 21500), (476, 21695), (510, 21764), (527, 21824), (532, 21836), (593, 21965), (594, 21968), (601, 21989), (652, 22085), (653, 22088), (655, 22094), (679, 22163), (684, 22181), (686, 22190), (697, 22220), (731, 22316), (747, 22349), (753, 22364), (795, 22505), (813, 22562), (861, 22673),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 118

Candidate Starts for Slarp_24:

(Start: 95 @18594 has 1 MA's), (Start: 111 @18624 has 26 MA's), (Start: 116 @18630 has 42 MA's), (Start: 118 @18633 has 152 MA's), (Start: 171 @18690 has 8 MA's), (205, 18738), (Start: 233 @18777 has 2 MA's), (238, 18792), (Start: 246 @18810 has 1 MA's), (262, 18843), (273, 18873), (288, 18918), (294, 18936), (317, 19008), (319, 19014), (333, 19044), (361, 19110), (365, 19122), (420, 19257), (455, 19305), (459, 19311), (467, 19329), (477, 19359), (496, 19398), (574, 19524), (597, 19584), (598, 19587), (604, 19605), (610, 19620), (669, 19788), (686, 19842), (718, 19887), (739, 19932), (749, 19956), (761, 19989), (773, 20022), (792, 20094), (795, 20106), (811, 20157), (813, 20163), (864, 20265), (900, 20391), (910, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 220

Candidate Starts for Sleepyhead_18:

(Start: 220 @15726 has 1 MA's), (263, 15813), (284, 15879), (344, 16026), (347, 16041), (385, 16119), (397, 16146), (527, 16431), (539, 16452), (601, 16581), (603, 16587), (636, 16647), (648, 16674), (649, 16677), (662, 16710), (667, 16722), (678, 16752), (718, 16782), (725, 16803), (731, 16818), (777, 16938), (813, 17058), (819, 17070),

Gene: Slim_17 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Slim_17:

(Start: 129 @14596 has 222 MA's), (199, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (283, 14857), (286, 14863), (292, 14881), (305, 14911), (350, 15016), (379, 15076), (388, 15094), (389, 15097), (394, 15106), (401, 15130), (475, 15256), (480, 15271), (482, 15277), (504, 15313), (506, 15316), (511, 15328), (512, 15334), (526, 15382), (531, 15394), (535, 15400), (574, 15460), (579, 15472), (593, 15508), (597, 15520), (624, 15595), (628, 15604), (638, 15622), (642, 15628), (652, 15658), (718, 15763), (722, 15775), (738, 15811), (766, 15889), (801, 16009), (811, 16042), (826, 16072), (829, 16084), (835, 16102), (839, 16108), (841, 16111), (844, 16117), (859, 16132), (860, 16135), (864, 16156), (865, 16159), (881, 16201), (886, 16231), (899, 16273), (900, 16279),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Slimphazie_23:

(Start: 118 @17155 has 152 MA's), (143, 17185), (Start: 246 @17344 has 1 MA's), (262, 17377), (273, 17407), (283, 17440), (288, 17452), (317, 17542), (335, 17584), (365, 17656), (369, 17665), (389, 17704), (405, 17749), (412, 17770), (413, 17773), (445, 17827), (459, 17845), (475, 17887), (477, 17893), (487, 17920), (574, 18058), (582, 18076), (597, 18118), (603, 18136), (614, 18166), (628, 18193), (669, 18298), (749, 18457), (762, 18493), (773, 18523), (776, 18532), (795, 18607), (811, 18658), (862, 18757), (889, 18853), (900, 18892), (901, 18895), (910, 18913),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 151

Candidate Starts for Smairt_28:

(Start: 151 @21861 has 225 MA's), (Start: 167 @21882 has 5 MA's), (Start: 195 @21924 has 1 MA's), (228, 21969), (315, 22185), (333, 22230), (336, 22239), (377, 22329), (378, 22332), (476, 22527), (510, 22596), (589, 22785), (593, 22797), (594, 22800), (601, 22821), (652, 22917), (653, 22920), (655, 22926), (679, 22995), (684, 23013), (686, 23022), (697, 23052), (731, 23148), (747, 23181), (753, 23196), (795, 23337), (813, 23394), (861, 23505), (907, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 149

Candidate Starts for Smeadley_24:

(Start: 128 @18628 has 37 MA's), (Start: 149 @18652 has 636 MA's), (226, 18745), (Start: 246 @18790 has 1 MA's), (285, 18889), (302, 18925), (315, 18964), (319, 18979), (335, 19015), (389, 19135), (393, 19141), (455, 19261), (514, 19390), (542, 19462), (593, 19576), (684, 19792), (692, 19825), (731, 19927), (747, 19960), (753, 19975), (763, 20005), (858, 20275), (861, 20284), (862, 20293), (895, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 149

Candidate Starts for Smeagan_30:

(98, 20626), (Start: 128 @20668 has 37 MA's), (Start: 149 @20692 has 636 MA's), (231, 20791), (265, 20875), (280, 20914), (284, 20926), (285, 20929), (314, 21001), (315, 21004), (336, 21058), (353, 21097), (389, 21175), (428, 21262), (472, 21343), (476, 21346), (553, 21532), (594, 21619), (648, 21724), (653, 21739), (692, 21865), (697, 21871), (718, 21919), (753, 21997), (755, 22003), (774, 22057), (785, 22096), (788, 22111), (813, 22195), (850, 22276), (861, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 151

Candidate Starts for Smeagol_29:

(Start: 151 @22440 has 225 MA's), (Start: 167 @22461 has 5 MA's), (Start: 195 @22503 has 1 MA's), (228, 22548), (315, 22764), (333, 22809), (336, 22818), (353, 22857), (378, 22911), (476, 23106), (510, 23175), (593, 23376), (594, 23379), (601, 23400), (652, 23496), (653, 23499), (655, 23505), (679, 23574), (684, 23592), (686, 23601), (697, 23631), (731, 23727), (747, 23760), (753, 23775), (795, 23916), (813, 23973), (861, 24084), (907, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for SmellyB_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (Start: 246 @20114 has 1 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 102

Candidate Starts for SmokingBunny_31:

(85, 25808), (Start: 102 @25850 has 86 MA's), (Start: 126 @25886 has 1 MA's), (Start: 153 @25919 has 10 MA's), (274, 26129), (275, 26132), (284, 26162), (307, 26228), (315, 26252), (317, 26261), (332, 26294), (399, 26447), (416, 26486), (453, 26537), (460, 26549), (467, 26567), (471, 26579), (475, 26591), (480, 26606), (496, 26636), (499, 26639), (509, 26660), (554, 26732), (579, 26780), (620, 26891), (649, 26924), (660, 26963), (663, 26966), (686, 27038), (715, 27104), (719, 27116), (795, 27287), (796, 27290), (811, 27338), (824, 27365), (833, 27392), (835, 27398), (859, 27446), (890, 27563), (896, 27584), (907, 27611),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 113

Candidate Starts for Smooch_59:

(Start: 106 @35180 has 2 MA's), (Start: 113 @35189 has 28 MA's), (Start: 179 @35279 has 33 MA's), (253, 35396), (265, 35432), (275, 35453), (283, 35480), (286, 35486), (299, 35516), (308, 35540), (330, 35591), (394, 35729), (396, 35735), (412, 35786), (413, 35789), (427, 35807), (475, 35858), (482, 35879), (483, 35882), (511, 35930), (512, 35936), (526, 35984), (528, 35990), (531, 35996), (563, 36056), (574, 36080), (575, 36083), (593, 36128), (598, 36143), (601, 36152), (604, 36161), (618, 36206), (628, 36224), (647, 36257), (722, 36395), (730, 36416), (741, 36437), (758, 36482), (768, 36512), (784, 36566), (794, 36608), (801, 36629), (807, 36650), (811, 36662), (821, 36683),

(844, 36737), (879, 36815), (886, 36851), (892, 36872), (900, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 150

Candidate Starts for Smoothie_49:

(Start: 150 @29612 has 17 MA's), (192, 29672), (Start: 214 @29705 has 22 MA's), (Start: 233 @29735 has 2 MA's), (234, 29738), (294, 29897), (299, 29906), (353, 30035), (375, 30083), (512, 30296), (514, 30302), (521, 30326), (587, 30455), (593, 30476), (604, 30509), (672, 30707), (763, 30860), (792, 30959), (795, 30971), (798, 30980), (829, 31064), (887, 31211), (897, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Smurph_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for SnapTap_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (813, 21621), (861, 21732), (899, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Snape_28:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (361, 21175), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 151

Candidate Starts for Snazzy_26:

(Start: 151 @21047 has 225 MA's), (Start: 167 @21068 has 5 MA's), (Start: 195 @21110 has 1 MA's), (228, 21155), (315, 21371), (333, 21416), (336, 21425), (353, 21464), (377, 21515), (378, 21518), (476, 21713), (510, 21782), (593, 21983), (594, 21986), (601, 22007), (652, 22103), (653, 22106), (655, 22112), (679, 22181), (684, 22199), (686, 22208), (697, 22238), (731, 22334), (747, 22367), (753, 22382), (795, 22523), (813, 22580), (861, 22691), (907, 22844),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 111

Candidate Starts for Sneeze_18:

(Start: 111 @16647 has 26 MA's), (Start: 137 @16656 has 56 MA's), (143, 16662), (147, 16668), (205, 16746), (238, 16800), (262, 16851), (273, 16881), (280, 16905), (315, 17007), (331, 17046), (333, 17052), (339, 17067), (408, 17232), (429, 17289), (459, 17328), (475, 17370), (477, 17376), (496, 17415), (558, 17514), (574, 17541), (653, 17739), (662, 17769), (669, 17787), (679, 17814), (722, 17898), (735, 17916), (745, 17931), (761, 17979), (765, 17994), (786, 18057), (791, 18081), (801, 18114), (813, 18153), (831, 18195), (889, 18342), (910, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Snekmaggedon_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 149

Candidate Starts for Snickers_29:

(Start: 149 @20353 has 636 MA's), (Start: 195 @20410 has 1 MA's), (205, 20425), (238, 20479), (245, 20494), (280, 20581), (284, 20593), (285, 20596), (315, 20671), (319, 20686), (335, 20722), (428, 20929), (510, 21082), (542, 21169), (593, 21283), (601, 21307), (609, 21325), (653, 21406), (679, 21481), (684, 21499), (692, 21532), (697, 21538), (706, 21577), (730, 21631), (731, 21634), (744, 21655), (763, 21712), (813, 21880), (859, 21985), (861, 21991), (899, 22126), (907, 22144),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 121

Candidate Starts for SoSeph_21:

(Start: 121 @17643 has 18 MA's), (124, 17649), (Start: 145 @17673 has 2 MA's), (Start: 171 @17706 has 8 MA's), (205, 17754), (238, 17808), (262, 17859), (283, 17922), (319, 18030), (365, 18138), (412, 18252), (413, 18255), (428, 18294), (445, 18309), (455, 18321), (459, 18327), (473, 18363), (475, 18369), (477, 18375), (496, 18414), (509, 18438), (574, 18540), (598, 18603), (613, 18648), (669, 18783), (718, 18882), (753, 18960), (761, 18984), (768, 19005), (775, 19023), (795, 19101), (797, 19107), (864, 19260), (894, 19365), (895, 19368), (900, 19386),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 149

Candidate Starts for SoYo_29:

(Start: 149 @20290 has 636 MA's), (Start: 195 @20347 has 1 MA's), (205, 20362), (231, 20395), (238, 20416), (245, 20431), (280, 20518), (284, 20530), (285, 20533), (315, 20608), (319, 20623), (335, 20659), (428, 20866), (487, 20980), (510, 21019), (542, 21106), (593, 21220), (601, 21244), (609, 21262), (653, 21343), (679, 21418), (684, 21436), (692, 21469), (697, 21475), (706, 21514), (730, 21568), (731, 21571), (744, 21592), (763, 21649), (813, 21817), (859, 21922), (861, 21928), (899, 22063),

Gene: Socotra_19 Start: 15729, Stop: 17429, Start Num: 139

Candidate Starts for Socotra_19:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for SoilAssassin_17:

(Start: 91 @14616 has 1 MA's), (Start: 179 @14751 has 33 MA's), (271, 14940), (272, 14943), (295, 15018), (319, 15072), (347, 15141), (356, 15153), (388, 15231), (389, 15234), (444, 15366), (471, 15420), (491, 15471), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (637, 15744), (654, 15783), (685, 15879), (754, 15987), (847, 16263), (849, 16266), (864, 16314), (873,

16344),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 149

Candidate Starts for SoilDragon_29:

(Start: 149 @20067 has 636 MA's), (Start: 195 @20124 has 1 MA's), (205, 20139), (231, 20172), (238, 20193), (245, 20208), (280, 20295), (284, 20307), (285, 20310), (315, 20385), (319, 20400), (335, 20436), (428, 20643), (510, 20796), (542, 20883), (593, 20997), (601, 21021), (609, 21039), (653, 21120), (679, 21195), (684, 21213), (692, 21246), (697, 21252), (706, 21291), (730, 21345), (731, 21348), (744, 21369), (763, 21426), (813, 21594), (859, 21699), (861, 21705), (899, 21840),

Gene: Soilmate_19 Start: 16617, Stop: 18263, Start Num: 215

Candidate Starts for Soilmate_19:

(187, 16581), (Start: 215 @16617 has 57 MA's), (266, 16719), (296, 16797), (298, 16800), (340, 16896), (357, 16935), (392, 17016), (410, 17070), (415, 17085), (512, 17256), (521, 17286), (604, 17469), (612, 17493), (625, 17544), (659, 17637), (664, 17649), (682, 17694), (713, 17709), (762, 17841), (763, 17844), (792, 17943), (797, 17961), (813, 18012), (838, 18072), (842, 18078), (871, 18141), (876, 18153),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 151

Candidate Starts for Solon_27:

(Start: 151 @21712 has 225 MA's), (Start: 167 @21733 has 5 MA's), (Start: 195 @21775 has 1 MA's), (228, 21820), (315, 22036), (333, 22081), (336, 22090), (353, 22129), (377, 22180), (378, 22183), (416, 22276), (476, 22378), (510, 22447), (593, 22648), (594, 22651), (601, 22672), (652, 22768), (653, 22771), (655, 22777), (679, 22846), (684, 22864), (686, 22873), (697, 22903), (731, 22999), (747, 23032), (753, 23047), (795, 23188), (813, 23245), (861, 23356),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 122

Candidate Starts for Sonah_19:

(Start: 107 @16351 has 2 MA's), (Start: 122 @16375 has 48 MA's), (Start: 170 @16435 has 41 MA's), (183, 16456), (185, 16459), (260, 16579), (274, 16618), (284, 16651), (294, 16675), (344, 16795), (361, 16834), (363, 16840), (399, 16924), (401, 16930), (405, 16942), (413, 16966), (442, 16993), (458, 17011), (473, 17050), (475, 17056), (483, 17080), (512, 17134), (516, 17146), (518, 17155), (545, 17215), (583, 17293), (597, 17332), (609, 17365), (628, 17431), (636, 17446), (642, 17455), (650, 17479), (660, 17509), (667, 17521), (733, 17623), (741, 17635), (744, 17638), (746, 17644), (748, 17653), (784, 17761), (807, 17845), (852, 17944), (889, 18052), (906, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 139

Candidate Starts for Sopespian_18:

(Start: 139 @15730 has 9 MA's), (Start: 149 @15733 has 636 MA's), (274, 15943), (315, 16066), (335, 16117), (373, 16204), (378, 16213), (388, 16234), (395, 16249), (398, 16261), (441, 16339), (449, 16351), (463, 16378), (475, 16411), (487, 16444), (496, 16456), (514, 16498), (584, 16621), (611, 16693), (653, 16771), (657, 16786), (664, 16804), (684, 16861), (731, 16954), (748, 16990), (753, 17002), (755, 17008), (760, 17020), (769, 17029), (794, 17101), (795, 17104), (797, 17110), (801, 17122), (824, 17182), (842, 17227), (847, 17236), (861, 17269), (881, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 134

Candidate Starts for SophKB_24:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 149

Candidate Starts for SororFago_28:

(Start: 146 @19408 has 12 MA's), (Start: 149 @19411 has 636 MA's), (245, 19546), (275, 19615), (285, 19648), (294, 19678), (314, 19720), (315, 19723), (339, 19783), (389, 19894), (405, 19939), (428, 19981), (470, 20056), (472, 20062), (476, 20065), (506, 20125), (546, 20227), (587, 20314), (594, 20338), (653, 20458), (715, 20656), (753, 20743), (755, 20749), (785, 20842), (859, 21046), (861, 21052),

Gene: Sorpresa_27 Start: 21059, Stop: 22861, Start Num: 151

Candidate Starts for Sorpresa_27:

(Start: 151 @21059 has 225 MA's), (Start: 167 @21080 has 5 MA's), (Start: 195 @21122 has 1 MA's), (315, 21383), (333, 21428), (336, 21437), (353, 21476), (377, 21527), (378, 21530), (476, 21725), (510, 21794), (593, 21995), (594, 21998), (601, 22019), (652, 22115), (653, 22118), (655, 22124), (679, 22193), (684, 22211), (686, 22220), (697, 22250), (731, 22346), (747, 22379), (753, 22394), (795, 22535), (813, 22592), (861, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 149

Candidate Starts for Soshari_31:

(Start: 149 @20462 has 636 MA's), (Start: 195 @20519 has 1 MA's), (205, 20534), (231, 20567), (238, 20588), (245, 20603), (280, 20690), (284, 20702), (285, 20705), (315, 20780), (319, 20795), (335, 20831), (428, 21038), (487, 21152), (510, 21191), (542, 21278), (593, 21392), (601, 21416), (609, 21434), (653, 21515), (679, 21590), (684, 21608), (692, 21641), (697, 21647), (706, 21686), (730, 21740), (731, 21743), (744, 21764), (763, 21821), (813, 21989), (859, 22094), (861, 22100), (899, 22235),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 134

Candidate Starts for Sotrice96_24:

(Start: 134 @19701 has 130 MA's), (Start: 196 @19785 has 48 MA's), (Start: 246 @19863 has 1 MA's), (280, 19950), (286, 19965), (305, 20013), (320, 20052), (361, 20139), (377, 20172), (394, 20208), (402, 20238), (405, 20244), (458, 20313), (477, 20343), (481, 20355), (482, 20358), (512, 20415), (575, 20547), (578, 20553), (602, 20619), (604, 20625), (612, 20649), (628, 20697), (642, 20721), (647, 20730), (672, 20805), (721, 20856), (726, 20871), (786, 21033), (792, 21060), (801, 21090), (843, 21195), (879, 21273), (886, 21309), (889, 21318), (899, 21351), (906, 21366),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 153

Candidate Starts for Soul22_19:

(Start: 153 @13742 has 10 MA's), (Start: 214 @13823 has 22 MA's), (Start: 233 @13853 has 2 MA's), (241, 13874), (248, 13886), (275, 13952), (287, 13991), (290, 14003), (301, 14027), (318, 14084), (319, 14087), (331, 14111), (333, 14117), (334, 14120), (353, 14165), (361, 14183), (378, 14219), (428, 14330), (455, 14366), (467, 14393), (471, 14405), (472, 14408), (487, 14450), (496, 14462), (509, 14486), (550, 14540), (593, 14639), (641, 14732), (653, 14759), (656, 14771), (678, 14816), (684, 14837), (686, 14846), (726, 14918), (795, 15080), (796, 15083), (797, 15086), (842, 15203), (861, 15245), (884, 15329), (896, 15374), (901, 15392),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 149

Candidate Starts for Soups_30:

(98, 19149), (Start: 128 @19191 has 37 MA's), (Start: 149 @19215 has 636 MA's), (Start: 246 @19353 has 1 MA's), (272, 19410), (285, 19452), (302, 19488), (315, 19527), (343, 19596), (353, 19620), (378, 19674), (455, 19824), (476, 19869), (487, 19899), (509, 19935), (524, 19986), (540, 20022), (560, 20070), (590, 20130), (652, 20259), (679, 20337), (753, 20538), (755, 20544), (786, 20640), (845, 20805), (879, 20904),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Sparkdehlily_16:

(Start: 129 @14836 has 222 MA's), (199, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (265, 15049), (283, 15097), (286, 15103), (292, 15121), (305, 15151), (350, 15256), (376, 15310), (379, 15316), (383, 15325), (394, 15346), (401, 15370), (413, 15406), (415, 15412), (453, 15445), (455, 15448), (460, 15457), (467, 15472), (469, 15478), (475, 15496), (480, 15511), (482, 15517), (490, 15535), (493, 15538), (504, 15553), (511, 15568), (512, 15574), (526, 15622), (531, 15634), (535, 15640), (574, 15700), (579, 15712), (593, 15748), (597, 15760), (624, 15835), (628, 15844), (638, 15862), (642, 15868), (652, 15898), (718, 16003), (722, 16015), (738, 16051), (766, 16129), (801, 16249), (811, 16282), (826, 16312), (829, 16324), (835, 16342), (839, 16348), (841, 16351), (844, 16357), (859, 16372), (860, 16375), (864, 16396), (865, 16399), (881, 16441), (886, 16471), (899, 16513), (900, 16519),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 149

Candidate Starts for Sparxx_27:

(Start: 128 @19801 has 37 MA's), (Start: 149 @19825 has 636 MA's), (Start: 195 @19882 has 1 MA's), (Start: 233 @19936 has 2 MA's), (238, 19951), (Start: 246 @19969 has 1 MA's), (280, 20053), (284, 20065), (285, 20068), (315, 20143), (319, 20158), (336, 20197), (389, 20314), (428, 20401), (472, 20482), (499, 20530), (510, 20554), (542, 20641), (560, 20686), (594, 20758), (601, 20779), (609, 20797), (653, 20878), (684, 20971), (686, 20980), (692, 21004), (697, 21010), (702, 21034), (731, 21088), (744, 21109), (761, 21160), (770, 21184), (786, 21238), (813, 21334), (859, 21439), (862, 21454), (893, 21562), (899, 21580),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 152

Candidate Starts for SpeedDemon_320:

(76, 28831), (81, 28837), (Start: 152 @28963 has 5 MA's), (192, 29020), (272, 29173), (297, 29248), (353, 29380), (375, 29428), (408, 29512), (482, 29674), (483, 29677), (509, 29719), (512, 29731), (514, 29737), (535, 29797), (539, 29803), (597, 29923), (609, 29956), (622, 30004), (672, 30130), (726, 30196), (792, 30382), (795, 30394), (824, 30472), (848, 30526), (911, 30718),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 149

Candidate Starts for Spike509_29:

(Start: 149 @20463 has 636 MA's), (Start: 195 @20520 has 1 MA's), (205, 20535), (231, 20568), (238, 20589), (245, 20604), (280, 20691), (284, 20703), (285, 20706), (315, 20781), (319, 20796), (335, 20832), (428, 21039), (487, 21153), (510, 21192), (542, 21279), (593, 21393), (601, 21417), (609, 21435), (653, 21516), (679, 21591), (684, 21609), (692, 21642), (697, 21648), (706, 21687), (730, 21741), (731, 21744), (744, 21765), (763, 21822), (813, 21990), (859, 22095), (861, 22101), (899, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 151

Candidate Starts for SpikeBT_29:

(Start: 151 @22017 has 225 MA's), (Start: 167 @22038 has 5 MA's), (Start: 195 @22080 has 1 MA's), (228, 22125), (315, 22341), (333, 22386), (336, 22395), (377, 22485), (378, 22488), (476, 22683), (510, 22752), (593, 22953), (594, 22956), (601, 22977), (652, 23073), (653, 23076), (655, 23082), (679, 23151), (684, 23169), (686, 23178), (697, 23208), (731, 23304), (747, 23337), (753, 23352), (795, 23493), (813, 23550), (861, 23661),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 129

Candidate Starts for Spikelee_17:

(Start: 129 @14630 has 222 MA's), (199, 14717), (Start: 233 @14762 has 2 MA's), (242, 14786), (283, 14891), (286, 14897), (292, 14915), (305, 14945), (350, 15050), (376, 15104), (379, 15110), (383, 15119), (394, 15140), (401, 15164), (413, 15200), (415, 15206), (453, 15239), (455, 15242), (460, 15251), (467, 15266), (469, 15272), (475, 15290), (480, 15305), (482, 15311), (490, 15329), (493,

15332), (504, 15347), (511, 15362), (512, 15368), (526, 15416), (531, 15428), (535, 15434), (574, 15494), (579, 15506), (593, 15542), (597, 15554), (624, 15629), (628, 15638), (638, 15656), (642, 15662), (652, 15692), (718, 15797), (722, 15809), (738, 15845), (766, 15923), (801, 16043), (811, 16076), (826, 16106), (829, 16118), (835, 16136), (839, 16142), (841, 16145), (844, 16151), (859, 16166), (860, 16169), (864, 16190), (865, 16193), (881, 16235), (886, 16265), (899, 16307), (900, 16313),

Gene: Spinach_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Spinach_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Spino_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Spock_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for SpongeBob_18:

(Start: 134 @14993 has 130 MA's), (155, 15020), (183, 15059), (Start: 233 @15125 has 2 MA's), (237, 15137), (254, 15173), (264, 15197), (274, 15224), (280, 15245), (283, 15254), (286, 15260), (301, 15293), (376, 15467), (379, 15473), (383, 15482), (388, 15491), (394, 15503), (401, 15527), (415, 15569), (453, 15602), (475, 15653), (476, 15656), (480, 15668), (504, 15710), (511, 15725), (512, 15731), (526, 15779), (554, 15833), (574, 15857), (601, 15929), (618, 15983), (624, 15992), (628, 16001), (642, 16025), (651, 16052), (652, 16055), (718, 16160), (721, 16169), (738, 16208), (768, 16289), (785, 16346), (794, 16385), (835, 16499), (859, 16529), (860, 16532), (865, 16556), (879, 16592),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 149

Candidate Starts for Spooky_20:

(119, 16370), (Start: 149 @16409 has 636 MA's), (Start: 156 @16421 has 1 MA's), (159, 16424), (Start: 195 @16472 has 1 MA's), (Start: 215 @16499 has 57 MA's), (231, 16520), (241, 16547), (249, 16562), (253, 16568), (254, 16571), (260, 16583), (273, 16619), (284, 16655), (304, 16712), (311,

16733), (319, 16760), (332, 16787), (416, 16985), (427, 17003), (436, 17012), (441, 17018), (467, 17066), (477, 17096), (494, 17132), (499, 17138), (509, 17159), (510, 17162), (554, 17240), (555, 17243), (571, 17270), (584, 17297), (611, 17369), (637, 17408), (663, 17462), (686, 17534), (701, 17579), (736, 17642), (748, 17669), (749, 17672), (755, 17687), (792, 17771), (794, 17780), (795, 17783), (797, 17789), (803, 17804), (812, 17834), (814, 17840), (824, 17861), (826, 17864), (849, 17918), (861, 17948), (862, 17957), (878, 18008), (886, 18041), (890, 18053), (895, 18071),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Spoonbill_16:

(Start: 129 @14813 has 222 MA's), (199, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (283, 15074), (286, 15080), (292, 15098), (305, 15128), (350, 15233), (379, 15293), (389, 15314), (394, 15323), (401, 15347), (453, 15422), (455, 15425), (475, 15473), (480, 15488), (482, 15494), (504, 15530), (506, 15533), (511, 15545), (512, 15551), (526, 15599), (531, 15611), (535, 15617), (574, 15677), (579, 15689), (593, 15725), (597, 15737), (624, 15812), (628, 15821), (638, 15839), (642, 15845), (652, 15875), (718, 15980), (722, 15992), (738, 16028), (766, 16106), (801, 16226), (811, 16259), (826, 16289), (835, 16319), (841, 16328), (844, 16334), (859, 16349), (860, 16352), (865, 16376), (876, 16406), (881, 16418), (886, 16448), (899, 16490),

Gene: Spouty_30 Start: 21779, Stop: 23569, Start Num: 149

Candidate Starts for Spouty_30:

(Start: 146 @21776 has 12 MA's), (Start: 149 @21779 has 636 MA's), (284, 22013), (285, 22016), (314, 22088), (315, 22091), (319, 22106), (336, 22145), (339, 22151), (389, 22262), (428, 22349), (472, 22430), (476, 22433), (506, 22493), (553, 22619), (587, 22682), (594, 22706), (596, 22712), (609, 22745), (653, 22826), (692, 22952), (705, 22994), (706, 22997), (731, 23054), (747, 23087), (753, 23102), (785, 23201), (786, 23204), (788, 23216), (813, 23300), (842, 23366), (859, 23405), (861, 23411), (872, 23456), (889, 23513), (890, 23516),

Gene: Sprinklemunch_18 Start: 16081, Stop: 17787, Start Num: 168

Candidate Starts for Sprinklemunch_18:

(Start: 144 @16057 has 6 MA's), (Start: 168 @16081 has 17 MA's), (Start: 177 @16093 has 2 MA's), (186, 16108), (272, 16267), (285, 16309), (289, 16321), (295, 16342), (365, 16528), (425, 16669), (455, 16699), (460, 16708), (463, 16714), (537, 16876), (614, 17023), (646, 17086), (647, 17089), (665, 17152), (667, 17155), (679, 17188), (681, 17191), (763, 17362), (792, 17461), (813, 17530), (835, 17584), (862, 17623), (910, 17779),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Sproutie_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 151

Candidate Starts for Squee_28:

(Start: 151 @21966 has 225 MA's), (Start: 167 @21987 has 5 MA's), (Start: 195 @22029 has 1 MA's), (228, 22074), (315, 22290), (333, 22335), (336, 22344), (353, 22383), (377, 22434), (378, 22437), (476, 22632), (510, 22701), (527, 22761), (593, 22902), (594, 22905), (601, 22926), (652, 23022), (653, 23025), (655, 23031), (679, 23100), (684, 23118), (686, 23127), (697, 23157), (731, 23253), (747, 23286), (753, 23301), (795, 23442), (813, 23499), (861, 23610),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 149

Candidate Starts for Squiddly_22:

(119, 17782), (Start: 149 @17821 has 636 MA's), (Start: 156 @17833 has 1 MA's), (159, 17836), (Start: 215 @17911 has 57 MA's), (231, 17932), (241, 17959), (249, 17974), (253, 17980), (254, 17983), (260, 17995), (273, 18031), (280, 18055), (284, 18067), (304, 18124), (311, 18145), (319, 18172), (332, 18199), (345, 18235), (395, 18340), (416, 18397), (427, 18415), (436, 18424), (441, 18430), (467, 18478), (477, 18508), (494, 18544), (499, 18550), (509, 18571), (510, 18574), (554, 18652), (555, 18655), (571, 18682), (584, 18709), (611, 18781), (637, 18820), (663, 18874), (675, 18910), (686, 18946), (701, 18991), (736, 19054), (738, 19057), (748, 19081), (749, 19084), (755, 19099), (792, 19183), (794, 19192), (795, 19195), (797, 19201), (803, 19216), (812, 19246), (814, 19252), (824, 19273), (826, 19276), (849, 19330), (861, 19360), (862, 19369), (878, 19420), (886, 19453), (890, 19465), (895, 19483),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 128

Candidate Starts for Squint_33:

(Start: 128 @25007 has 37 MA's), (Start: 196 @25097 has 48 MA's), (199, 25100), (242, 25175), (257, 25202), (280, 25268), (294, 25304), (307, 25334), (312, 25349), (346, 25433), (363, 25469), (377, 25496), (395, 25535), (405, 25568), (408, 25577), (455, 25634), (472, 25676), (509, 25751), (512, 25763), (531, 25823), (561, 25877), (575, 25907), (583, 25925), (588, 25934), (598, 25967), (602, 25979), (604, 25985), (616, 26024), (642, 26081), (726, 26231), (733, 26249), (753, 26291), (761, 26315), (762, 26318), (766, 26333), (777, 26363), (786, 26393), (801, 26450), (867, 26600), (901, 26720), (906, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 129

Candidate Starts for Squirty_17:

(Start: 129 @14712 has 222 MA's), (199, 14799), (Start: 233 @14844 has 2 MA's), (242, 14868), (283, 14973), (286, 14979), (292, 14997), (305, 15027), (350, 15132), (379, 15192), (389, 15213), (394, 15222), (401, 15246), (475, 15372), (480, 15387), (482, 15393), (504, 15429), (511, 15444), (512, 15450), (526, 15498), (531, 15510), (535, 15516), (574, 15576), (579, 15588), (593, 15624), (597, 15636), (624, 15711), (628, 15720), (638, 15738), (642, 15744), (652, 15774), (718, 15879), (721, 15888), (722, 15891), (738, 15927), (766, 16005), (794, 16104), (801, 16125), (811, 16158), (826, 16188), (835, 16218), (841, 16227), (844, 16233), (859, 16248), (860, 16251), (864, 16272), (865, 16275), (876, 16305), (881, 16317), (899, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 123

Candidate Starts for StAB_17:

(Start: 123 @16311 has 8 MA's), (142, 16332), (204, 16416), (223, 16443), (228, 16449), (282, 16581), (304, 16632), (315, 16665), (324, 16689), (377, 16809), (393, 16842), (398, 16860), (424, 16914), (455, 16959), (480, 17016), (484, 17028), (508, 17067), (550, 17127), (555, 17148), (560, 17157), (589, 17214), (628, 17304), (675, 17412), (690, 17466), (692, 17472), (699, 17490), (756, 17586), (770, 17607), (788, 17652), (845, 17811), (854, 17826), (860, 17841), (862, 17853), (906, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for StAnnes_16:

(Start: 129 @14854 has 222 MA's), (199, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (283, 15115), (286, 15121), (292, 15139), (305, 15169), (350, 15274), (379, 15334), (389, 15355), (394, 15364), (401, 15388), (475, 15514), (480, 15529), (482, 15535), (504, 15571), (506, 15574), (511, 15586), (512, 15592), (526, 15640), (531, 15652), (535, 15658), (574, 15718), (579, 15730), (593, 15766), (597, 15778), (624, 15853), (628, 15862), (638, 15880), (642, 15886), (652, 15916), (718, 16021), (721, 16030), (722, 16033), (738, 16069), (766, 16147), (794, 16246), (801, 16267), (811, 16300), (826, 16330), (835, 16360), (841, 16369), (844, 16375), (859, 16390), (860, 16393), (865, 16417), (876, 16447), (881, 16459), (886, 16489), (899, 16531),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for StCroix_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 149

Candidate Starts for Stagni_29:

(Start: 149 @20381 has 636 MA's), (Start: 195 @20438 has 1 MA's), (205, 20453), (238, 20507), (245, 20522), (280, 20609), (284, 20621), (285, 20624), (315, 20699), (319, 20714), (335, 20750), (428, 20957), (510, 21110), (542, 21197), (593, 21311), (601, 21335), (609, 21353), (653, 21434), (679, 21509), (684, 21527), (692, 21560), (697, 21566), (706, 21605), (730, 21659), (731, 21662), (744, 21683), (763, 21740), (813, 21908), (859, 22013), (861, 22019), (899, 22154),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 196

Candidate Starts for Stank_27:

(Start: 134 @20252 has 130 MA's), (Start: 196 @20336 has 48 MA's), (Start: 246 @20414 has 1 MA's), (280, 20501), (286, 20516), (305, 20564), (320, 20603), (361, 20690), (377, 20723), (394, 20759), (402, 20789), (405, 20795), (458, 20864), (477, 20894), (481, 20906), (482, 20909), (512, 20966), (575, 21098), (578, 21104), (602, 21170), (604, 21176), (612, 21200), (628, 21248), (642, 21272), (647, 21281), (672, 21356), (721, 21407), (726, 21422), (786, 21584), (792, 21611), (801, 21641), (843, 21746), (879, 21824), (886, 21860), (889, 21869), (899, 21902), (906, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Stap_17:

(Start: 129 @14836 has 222 MA's), (199, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (283, 15097), (286, 15103), (292, 15121), (305, 15151), (350, 15256), (379, 15316), (389, 15337), (394, 15346), (401, 15370), (453, 15445), (475, 15496), (480, 15511), (482, 15517), (504, 15553), (506, 15556), (511, 15568), (512, 15574), (526, 15622), (531, 15634), (535, 15640), (574, 15700), (579, 15712), (593, 15748), (597, 15760), (624, 15835), (628, 15844), (638, 15862), (642, 15868), (652, 15898), (718, 16003), (722, 16015), (738, 16051), (766, 16129), (794, 16228), (801, 16249), (811, 16282), (826, 16312), (835, 16342), (839, 16348), (841, 16351), (844, 16357), (859, 16372), (860, 16375), (864, 16396), (865, 16399), (881, 16441), (899, 16513), (900, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 170

Candidate Starts for StarStruck_42:

(Start: 170 @30437 has 41 MA's), (Start: 246 @30551 has 1 MA's), (347, 30818), (381, 30884), (388, 30899), (399, 30923), (400, 30926), (435, 31010), (454, 31040), (462, 31058), (497, 31091), (501, 31100), (510, 31118), (518, 31148), (525, 31172), (576, 31256), (587, 31277), (603, 31325), (626, 31364), (652, 31412), (717, 31538), (731, 31574), (780, 31685), (801, 31760), (876, 31937), (886, 31979), (905, 32036),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for StarStuff_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (255, 20202), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 139

Candidate Starts for Starburst_19:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (317, 16074), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 129

Candidate Starts for Starcevich_17:

(Start: 129 @14598 has 222 MA's), (199, 14685), (Start: 233 @14730 has 2 MA's), (242, 14754), (283, 14859), (286, 14865), (292, 14883), (305, 14913), (350, 15018), (379, 15078), (388, 15096), (389, 15099), (394, 15108), (401, 15132), (475, 15258), (480, 15273), (482, 15279), (504, 15315), (506, 15318), (511, 15330), (512, 15336), (526, 15384), (531, 15396), (535, 15402), (574, 15462), (579, 15474), (593, 15510), (597, 15522), (624, 15597), (628, 15606), (638, 15624), (642, 15630), (652, 15660), (718, 15765), (722, 15777), (738, 15813), (766, 15891), (801, 16011), (811, 16044), (826, 16074), (829, 16086), (835, 16104), (839, 16110), (841, 16113), (844, 16119), (859, 16134), (860, 16137), (864, 16158), (865, 16161), (881, 16203), (886, 16233), (899, 16275), (900, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 137

Candidate Starts for Stargaze_18:

(Start: 137 @16978 has 56 MA's), (234, 17098), (262, 17161), (273, 17191), (301, 17266), (315, 17317), (317, 17326), (319, 17332), (333, 17362), (335, 17368), (358, 17422), (388, 17485), (408, 17542), (459, 17638), (463, 17647), (477, 17686), (496, 17725), (512, 17761), (653, 18043), (669, 18091), (679, 18118), (688, 18154), (735, 18208), (801, 18406), (808, 18430), (811, 18439), (831, 18487), (889, 18634), (901, 18676), (903, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 134

Candidate Starts for Stark_25:

(Start: 134 @19504 has 130 MA's), (Start: 196 @19588 has 48 MA's), (Start: 246 @19666 has 1 MA's), (280, 19753), (286, 19768), (305, 19816), (320, 19855), (361, 19942), (377, 19975), (394, 20011), (402, 20041), (405, 20047), (458, 20116), (477, 20146), (481, 20158), (482, 20161), (512, 20218), (575, 20350), (578, 20356), (602, 20422), (604, 20428), (612, 20452), (628, 20500), (642, 20524), (647, 20533), (672, 20608), (721, 20659), (726, 20674), (786, 20836), (792, 20863), (801, 20893), (843, 20998), (879, 21076), (886, 21112), (889, 21121), (899, 21154), (906, 21169),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 149

Candidate Starts for Stasia_28:

(Start: 128 @20241 has 37 MA's), (Start: 149 @20265 has 636 MA's), (Start: 195 @20325 has 1 MA's), (238, 20394), (245, 20409), (280, 20496), (284, 20508), (285, 20511), (294, 20541), (315, 20586), (319, 20601), (336, 20640), (389, 20757), (428, 20844), (472, 20925), (487, 20958), (499, 20973), (510, 20997), (542, 21084), (554, 21117), (594, 21201), (601, 21222), (609, 21240), (653, 21321), (684, 21414), (686, 21423), (692, 21447), (697, 21453), (700, 21468), (718, 21501), (731, 21531), (744, 21552), (761, 21603), (786, 21681), (792, 21708), (813, 21777), (826, 21801), (859, 21882), (862, 21897), (891, 21999), (899, 22023),

Gene: SteMason_26 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for SteMason_26:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899,

21582),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 149

Candidate Starts for SteamedHams_20:

(Start: 139 @15395 has 9 MA's), (Start: 149 @15398 has 636 MA's), (226, 15500), (Start: 233 @15512 has 2 MA's), (274, 15608), (302, 15692), (335, 15782), (361, 15842), (373, 15869), (388, 15899), (389, 15902), (416, 15971), (441, 16004), (449, 16016), (451, 16019), (461, 16040), (463, 16043), (487, 16109), (496, 16121), (584, 16286), (653, 16436), (657, 16451), (664, 16469), (684, 16526), (753, 16667), (755, 16673), (760, 16685), (769, 16694), (794, 16766), (795, 16769), (797, 16775), (801, 16787), (842, 16892), (847, 16901), (861, 16934),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 149

Candidate Starts for Steamy_29:

(98, 21173), (Start: 128 @21215 has 37 MA's), (Start: 149 @21239 has 636 MA's), (284, 21473), (285, 21476), (294, 21506), (314, 21548), (315, 21551), (321, 21569), (336, 21605), (339, 21611), (389, 21722), (401, 21755), (428, 21809), (472, 21890), (476, 21893), (524, 22010), (553, 22079), (606, 22199), (609, 22205), (653, 22286), (686, 22388), (692, 22412), (705, 22454), (731, 22514), (747, 22547), (753, 22562), (755, 22568), (763, 22592), (774, 22622), (785, 22661), (786, 22664), (788, 22676), (813, 22760), (872, 22916), (899, 23006),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 134

Candidate Starts for StellaBean_24:

(Start: 134 @19745 has 130 MA's), (Start: 196 @19829 has 48 MA's), (Start: 246 @19907 has 1 MA's), (280, 19994), (286, 20009), (305, 20057), (320, 20096), (361, 20183), (377, 20216), (394, 20252), (402, 20282), (405, 20288), (458, 20357), (477, 20387), (481, 20399), (482, 20402), (512, 20459), (575, 20591), (578, 20597), (602, 20663), (604, 20669), (612, 20693), (628, 20741), (642, 20765), (647, 20774), (672, 20849), (721, 20900), (726, 20915), (786, 21077), (792, 21104), (801, 21134), (843, 21239), (879, 21317), (886, 21353), (889, 21362), (899, 21395), (906, 21410),

Gene: Stellammi_16 Start: 14170, Stop: 16032, Start Num: 110

Candidate Starts for Stellammi_16:

(86, 14113), (109, 14167), (Start: 110 @14170 has 1 MA's), (125, 14191), (Start: 134 @14200 has 130 MA's), (193, 14278), (Start: 233 @14335 has 2 MA's), (238, 14350), (256, 14389), (263, 14404), (272, 14428), (273, 14431), (303, 14515), (351, 14647), (373, 14695), (377, 14701), (378, 14704), (393, 14734), (394, 14737), (420, 14815), (422, 14821), (467, 14887), (483, 14935), (499, 14959), (524, 15031), (525, 15037), (527, 15043), (543, 15070), (544, 15073), (573, 15145), (578, 15157), (613, 15256), (644, 15322), (652, 15349), (653, 15352), (669, 15400), (679, 15427), (715, 15490), (718, 15499), (721, 15508), (731, 15523), (758, 15586), (777, 15643), (792, 15703), (795, 15715), (813, 15772), (828, 15805), (835, 15829), (842, 15841), (847, 15850), (862, 15868), (873, 15907), (879, 15919), (890, 15967), (892, 15976), (897, 15994), (910, 16024),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 195

Candidate Starts for StepMih_29:

(Start: 149 @20372 has 636 MA's), (Start: 195 @20429 has 1 MA's), (205, 20444), (238, 20498), (245, 20513), (280, 20600), (284, 20612), (285, 20615), (315, 20690), (319, 20705), (335, 20741), (428, 20948), (510, 21101), (542, 21188), (593, 21302), (601, 21326), (609, 21344), (653, 21425), (679, 21500), (684, 21518), (692, 21551), (697, 21557), (706, 21596), (730, 21650), (731, 21653), (744, 21674), (763, 21731), (813, 21899), (859, 22004), (861, 22010), (899, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 149

Candidate Starts for Stephig9_24:

(Start: 128 @18609 has 37 MA's), (Start: 149 @18633 has 636 MA's), (226, 18726), (Start: 246 @18771 has 1 MA's), (285, 18870), (302, 18906), (315, 18945), (319, 18960), (335, 18996), (389,

19116), (393, 19122), (455, 19242), (514, 19371), (542, 19443), (593, 19557), (684, 19773), (692, 19806), (731, 19908), (747, 19941), (753, 19956), (763, 19986), (858, 20256), (861, 20265), (862, 20274), (895, 20388),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 122

Candidate Starts for StevieRay_19:

(Start: 107 @16352 has 2 MA's), (Start: 122 @16376 has 48 MA's), (Start: 170 @16436 has 41 MA's), (183, 16457), (185, 16460), (260, 16580), (274, 16619), (284, 16652), (294, 16676), (344, 16796), (361, 16835), (363, 16841), (399, 16925), (401, 16931), (405, 16943), (413, 16967), (442, 16994), (458, 17012), (473, 17051), (475, 17057), (483, 17081), (512, 17135), (516, 17147), (518, 17156), (545, 17216), (583, 17294), (597, 17333), (609, 17366), (628, 17432), (636, 17447), (642, 17456), (650, 17480), (660, 17510), (667, 17522), (733, 17624), (741, 17636), (744, 17639), (746, 17645), (748, 17654), (784, 17762), (807, 17846), (852, 17945), (889, 18053), (906, 18101),

Gene: StewieG_26 Start: 20923, Stop: 22704, Start Num: 167

Candidate Starts for StewieG_26:

(Start: 151 @20902 has 225 MA's), (Start: 167 @20923 has 5 MA's), (Start: 195 @20965 has 1 MA's), (228, 21010), (315, 21226), (333, 21271), (336, 21280), (353, 21319), (377, 21370), (378, 21373), (476, 21568), (510, 21637), (593, 21838), (594, 21841), (601, 21862), (652, 21958), (653, 21961), (655, 21967), (679, 22036), (684, 22054), (686, 22063), (697, 22093), (731, 22189), (747, 22222), (753, 22237), (795, 22378), (813, 22435), (861, 22546),

Gene: Stichling_32 Start: 29174, Stop: 30937, Start Num: 102

Candidate Starts for Stichling_32:

(Start: 102 @29174 has 86 MA's), (Start: 126 @29210 has 1 MA's), (223, 29339), (231, 29348), (272, 29444), (275, 29453), (297, 29522), (315, 29573), (317, 29582), (333, 29618), (339, 29633), (345, 29651), (377, 29714), (397, 29759), (399, 29768), (467, 29888), (472, 29903), (480, 29927), (496, 29957), (609, 30179), (616, 30197), (620, 30212), (652, 30254), (653, 30257), (660, 30284), (703, 30404), (736, 30467), (795, 30608), (796, 30611), (811, 30659), (824, 30686), (833, 30713), (859, 30767), (865, 30794),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 171

Candidate Starts for Stickynote_33:

(Start: 171 @28749 has 8 MA's), (273, 28917), (285, 28956), (336, 29091), (363, 29151), (438, 29304), (446, 29316), (452, 29325), (454, 29328), (492, 29373), (501, 29388), (506, 29397), (525, 29460), (533, 29478), (570, 29532), (666, 29748), (722, 29841), (774, 29949), (788, 30003), (810, 30078), (866, 30207), (904, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 123

Candidate Starts for Stiles_17:

(Start: 123 @16089 has 8 MA's), (142, 16110), (204, 16194), (223, 16221), (228, 16227), (282, 16359), (304, 16410), (315, 16443), (324, 16467), (377, 16587), (393, 16620), (398, 16638), (424, 16692), (455, 16737), (480, 16794), (484, 16806), (508, 16845), (550, 16905), (555, 16926), (560, 16935), (589, 16992), (628, 17082), (675, 17190), (690, 17244), (692, 17250), (699, 17268), (756, 17364), (770, 17385), (788, 17430), (845, 17589), (854, 17604), (860, 17619), (862, 17631), (906, 17775),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 149

Candidate Starts for Stink_28:

(Start: 128 @20082 has 37 MA's), (Start: 149 @20106 has 636 MA's), (Start: 153 @20112 has 10 MA's), (Start: 195 @20166 has 1 MA's), (238, 20235), (273, 20313), (280, 20337), (284, 20349), (285, 20352), (315, 20427), (319, 20442), (336, 20481), (378, 20574), (389, 20598), (428, 20685), (487, 20799), (542, 20925), (560, 20970), (593, 21039), (601, 21063), (606, 21075), (653, 21162), (679, 21237), (684, 21255), (692, 21288), (697, 21294), (700, 21309), (730, 21387), (731, 21390), (744,

21411), (813, 21636), (849, 21714), (850, 21717), (859, 21741), (861, 21747), (899, 21882), (907, 21900),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 118

Candidate Starts for Stinson_23:

(Start: 118 @17121 has 152 MA's), (143, 17151), (Start: 246 @17310 has 1 MA's), (262, 17343), (273, 17373), (283, 17406), (288, 17418), (317, 17508), (333, 17544), (335, 17550), (365, 17622), (369, 17631), (389, 17670), (405, 17715), (412, 17736), (413, 17739), (459, 17811), (475, 17853), (477, 17859), (487, 17886), (509, 17922), (532, 17979), (574, 18024), (582, 18042), (603, 18102), (614, 18132), (628, 18159), (669, 18264), (715, 18354), (749, 18423), (762, 18459), (773, 18489), (776, 18498), (795, 18573), (811, 18624), (862, 18723), (879, 18774), (900, 18858), (901, 18861), (910, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 134

Candidate Starts for StolenFromERC_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 196

Candidate Starts for StormChicken_24:

(Start: 134 @19920 has 130 MA's), (Start: 196 @20004 has 48 MA's), (Start: 246 @20082 has 1 MA's), (280, 20169), (286, 20184), (305, 20232), (320, 20271), (361, 20358), (377, 20391), (394, 20427), (402, 20457), (405, 20463), (458, 20532), (477, 20562), (481, 20574), (482, 20577), (512, 20634), (575, 20766), (578, 20772), (602, 20838), (604, 20844), (612, 20868), (628, 20916), (642, 20940), (647, 20949), (672, 21024), (721, 21075), (726, 21090), (786, 21252), (792, 21279), (801, 21309), (843, 21414), (879, 21492), (886, 21528), (889, 21537), (899, 21570), (906, 21585),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 102

Candidate Starts for StorminNorm_34:

(Start: 102 @29521 has 86 MA's), (Start: 126 @29557 has 1 MA's), (223, 29686), (231, 29695), (272, 29791), (275, 29800), (297, 29869), (315, 29920), (333, 29965), (339, 29980), (345, 29998), (377, 30061), (397, 30106), (399, 30115), (463, 30226), (467, 30235), (472, 30250), (480, 30274), (496, 30304), (609, 30526), (616, 30544), (620, 30559), (652, 30601), (653, 30604), (660, 30631), (703, 30751), (736, 30814), (795, 30955), (796, 30958), (811, 31006), (824, 31033), (833, 31060), (859, 31114), (865, 31141),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 122

Candidate Starts for StressBall_19:

(Start: 107 @16249 has 2 MA's), (Start: 122 @16273 has 48 MA's), (Start: 170 @16333 has 41 MA's), (183, 16354), (185, 16357), (260, 16477), (274, 16516), (284, 16549), (294, 16573), (344, 16693), (361, 16732), (363, 16738), (399, 16822), (401, 16828), (405, 16840), (413, 16864), (442, 16891), (458, 16909), (473, 16948), (475, 16954), (483, 16978), (512, 17032), (516, 17044), (518, 17053), (545, 17113), (583, 17191), (597, 17230), (609, 17263), (628, 17329), (642, 17353), (650, 17377), (660, 17407), (733, 17521), (741, 17533), (746, 17542), (748, 17551), (784, 17659), (807, 17743), (852, 17842), (889, 17950), (906, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 116

Candidate Starts for Strobilo_19:

(Start: 95 @14980 has 1 MA's), (Start: 111 @15010 has 26 MA's), (Start: 116 @15016 has 42 MA's), (Start: 137 @15031 has 56 MA's), (Start: 171 @15073 has 8 MA's), (205, 15121), (Start: 233 @15160 has 2 MA's), (238, 15175), (262, 15226), (273, 15256), (283, 15289), (288, 15301), (294, 15319), (317, 15391), (319, 15397), (361, 15493), (365, 15505), (408, 15607), (413, 15622), (427, 15658), (459, 15694), (477, 15742), (496, 15781), (509, 15805), (512, 15817), (574, 15907), (578, 15916), (652, 16111), (669, 16162), (686, 16216), (721, 16270), (773, 16384), (776, 16393), (795, 16468), (811, 16519), (813, 16525), (862, 16621), (880, 16675), (900, 16756), (910, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Strokeseat_16:

(Start: 129 @14904 has 222 MA's), (199, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (283, 15165), (286, 15171), (292, 15189), (305, 15219), (350, 15324), (379, 15384), (389, 15405), (394, 15414), (401, 15438), (475, 15564), (480, 15579), (482, 15585), (504, 15621), (506, 15624), (511, 15636), (512, 15642), (526, 15690), (531, 15702), (535, 15708), (574, 15768), (579, 15780), (593, 15816), (597, 15828), (624, 15903), (628, 15912), (638, 15930), (642, 15936), (652, 15966), (718, 16071), (721, 16080), (722, 16083), (738, 16119), (766, 16197), (794, 16296), (801, 16317), (811, 16350), (826, 16380), (835, 16410), (841, 16419), (844, 16425), (859, 16440), (860, 16443), (865, 16467), (876, 16497), (881, 16509), (886, 16539), (899, 16581),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 151

Candidate Starts for StrongArm_26:

(Start: 151 @22101 has 225 MA's), (Start: 167 @22122 has 5 MA's), (Start: 195 @22164 has 1 MA's), (228, 22209), (315, 22425), (333, 22470), (336, 22479), (353, 22518), (377, 22569), (378, 22572), (476, 22767), (510, 22836), (593, 23037), (594, 23040), (601, 23061), (652, 23157), (653, 23160), (655, 23166), (679, 23235), (684, 23253), (686, 23262), (697, 23292), (731, 23388), (747, 23421), (753, 23436), (763, 23466), (795, 23577), (813, 23634), (861, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 149

Candidate Starts for Strosahl_30:

(98, 18991), (Start: 128 @19033 has 37 MA's), (Start: 149 @19057 has 636 MA's), (Start: 246 @19195 has 1 MA's), (272, 19252), (285, 19294), (302, 19330), (315, 19369), (343, 19438), (353, 19462), (378, 19516), (455, 19666), (476, 19711), (487, 19741), (509, 19777), (524, 19828), (540, 19864), (560, 19912), (590, 19972), (652, 20101), (679, 20179), (753, 20380), (755, 20386), (786, 20482), (845, 20647), (879, 20746),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 102

Candidate Starts for Stultus_33:

(94, 29874), (Start: 102 @29892 has 86 MA's), (Start: 126 @29928 has 1 MA's), (231, 30066), (272, 30162), (275, 30171), (297, 30240), (315, 30291), (333, 30336), (339, 30351), (377, 30432), (397, 30477), (399, 30486), (453, 30576), (467, 30606), (472, 30621), (480, 30645), (496, 30675), (609, 30897), (616, 30915), (620, 30930), (648, 30960), (652, 30972), (653, 30975), (660, 31002), (795, 31326), (796, 31329), (811, 31377), (824, 31404), (833, 31431), (859, 31485), (865, 31512), (901, 31641),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 178

Candidate Starts for Suerte_18:

(96, 16694), (Start: 178 @16811 has 57 MA's), (308, 17069), (316, 17090), (338, 17144), (356, 17183), (378, 17240), (388, 17261), (510, 17432), (515, 17450), (522, 17474), (528, 17495), (568, 17537), (602, 17618), (653, 17708), (667, 17753), (685, 17810), (686, 17813), (730, 17867), (766, 17957), (862, 18236), (864, 18245), (873, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 170

Candidate Starts for Sukkupi_43:

(Start: 170 @29457 has 41 MA's), (Start: 176 @29466 has 1 MA's), (Start: 178 @29469 has 57 MA's), (Start: 200 @29493 has 1 MA's), (Start: 246 @29571 has 1 MA's), (315, 29754), (338, 29811), (343, 29823), (347, 29838), (381, 29904), (388, 29919), (399, 29943), (435, 30030), (438, 30036), (454, 30060), (501, 30120), (513, 30150), (519, 30171), (576, 30276), (587, 30297), (626, 30384), (652, 30432), (717, 30558), (731, 30594), (794, 30759), (800, 30777), (811, 30813), (884, 30987), (886, 30999), (905, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 118

Candidate Starts for Sulley_23:

(Start: 118 @17121 has 152 MA's), (143, 17151), (Start: 246 @17310 has 1 MA's), (262, 17343), (273, 17373), (283, 17406), (288, 17418), (317, 17508), (335, 17550), (365, 17622), (369, 17631), (389, 17670), (405, 17715), (412, 17736), (413, 17739), (445, 17793), (459, 17811), (475, 17853), (477, 17859), (487, 17886), (574, 18024), (582, 18042), (597, 18084), (603, 18102), (614, 18132), (628, 18159), (669, 18264), (749, 18423), (762, 18459), (773, 18489), (776, 18498), (795, 18573), (811, 18624), (889, 18819), (900, 18858), (901, 18861), (910, 18879),

Gene: Sultana_27 Start: 19828, Stop: 21606, Start Num: 149

Candidate Starts for Sultana_27:

(Start: 128 @19804 has 37 MA's), (Start: 149 @19828 has 636 MA's), (Start: 195 @19885 has 1 MA's), (Start: 233 @19939 has 2 MA's), (238, 19954), (Start: 246 @19972 has 1 MA's), (280, 20056), (284, 20068), (285, 20071), (315, 20146), (319, 20161), (336, 20200), (389, 20317), (428, 20404), (472, 20485), (499, 20533), (510, 20557), (542, 20644), (560, 20689), (594, 20761), (601, 20782), (609, 20800), (653, 20881), (684, 20974), (686, 20983), (692, 21007), (697, 21013), (702, 21037), (731, 21091), (744, 21112), (761, 21163), (770, 21187), (786, 21241), (813, 21337), (859, 21442), (862, 21457), (893, 21565), (899, 21583),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 149

Candidate Starts for SummitAcademy_17:

(Start: 139 @15492 has 9 MA's), (Start: 149 @15495 has 636 MA's), (226, 15594), (Start: 246 @15636 has 1 MA's), (335, 15876), (373, 15963), (384, 15984), (388, 15993), (398, 16020), (416, 16065), (441, 16098), (451, 16113), (463, 16137), (475, 16170), (487, 16203), (496, 16215), (518, 16272), (553, 16320), (569, 16350), (584, 16380), (590, 16395), (606, 16443), (634, 16494), (653, 16530), (657, 16545), (664, 16563), (684, 16620), (686, 16629), (748, 16749), (753, 16761), (781, 16809), (794, 16860), (795, 16863), (801, 16881), (830, 16959), (842, 16986), (861, 17028), (901, 17175), (906, 17181),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 151

Candidate Starts for Sumter_26:

(Start: 151 @20650 has 225 MA's), (Start: 167 @20671 has 5 MA's), (Start: 195 @20713 has 1 MA's), (228, 20758), (315, 20974), (333, 21019), (336, 21028), (377, 21118), (378, 21121), (476, 21316), (510, 21385), (593, 21586), (594, 21589), (601, 21610), (652, 21706), (653, 21709), (655, 21715), (679, 21784), (684, 21802), (686, 21811), (697, 21841), (731, 21937), (747, 21970), (753, 21985), (795, 22126), (813, 22183), (861, 22294),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 118

Candidate Starts for Sunflower1121_21:

(Start: 111 @16217 has 26 MA's), (Start: 118 @16226 has 152 MA's), (143, 16256), (Start: 233 @16382 has 2 MA's), (238, 16397), (Start: 246 @16415 has 1 MA's), (262, 16448), (273, 16478), (288, 16523), (317, 16613), (333, 16649), (365, 16727), (369, 16736), (412, 16841), (413, 16844), (455, 16910), (459, 16916), (475, 16958), (477, 16964), (487, 16991), (582, 17147), (603, 17207), (649, 17309), (653, 17321), (669, 17369), (691, 17444), (718, 17468), (749, 17528), (762, 17564), (773, 17594), (795, 17678), (811, 17729), (813, 17735), (862, 17828), (900, 17963), (901, 17966), (910, 17984),

Gene: Sunhee_28 Start: 19447, Stop: 21246, Start Num: 149

Candidate Starts for Sunhee_28:

(Start: 146 @19444 has 12 MA's), (Start: 149 @19447 has 636 MA's), (255, 19600), (275, 19651), (285, 19684), (314, 19756), (315, 19759), (336, 19813), (339, 19819), (389, 19930), (393, 19936), (405, 19975), (408, 19984), (428, 20017), (470, 20092), (472, 20098), (476, 20101), (506, 20161), (546, 20263), (554, 20290), (587, 20350), (594, 20374), (609, 20413), (648, 20479), (653, 20494), (715, 20692), (726, 20719), (747, 20764), (753, 20779), (755, 20785), (785, 20878), (788, 20893), (859, 21082), (861, 21088), (862, 21097), (872, 21133), (900, 21229),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 151

Candidate Starts for Sunshine924_26:

(Start: 151 @20656 has 225 MA's), (Start: 167 @20677 has 5 MA's), (Start: 195 @20719 has 1 MA's), (228, 20764), (315, 20980), (333, 21025), (336, 21034), (353, 21073), (377, 21124), (378, 21127), (476, 21322), (510, 21391), (593, 21592), (594, 21595), (601, 21616), (652, 21712), (653, 21715), (655, 21721), (679, 21790), (684, 21808), (686, 21817), (697, 21847), (731, 21943), (747, 21976), (753, 21991), (795, 22132), (813, 22189), (861, 22300), (907, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 149

Candidate Starts for SuperAwesome_31:

(98, 19903), (Start: 128 @19945 has 37 MA's), (Start: 149 @19969 has 636 MA's), (273, 20167), (285, 20206), (314, 20278), (315, 20281), (321, 20299), (336, 20335), (339, 20341), (389, 20452), (393, 20458), (405, 20497), (428, 20539), (455, 20578), (472, 20620), (476, 20623), (506, 20683), (603, 20920), (609, 20935), (653, 21016), (697, 21148), (753, 21274), (771, 21325), (774, 21334), (785, 21373), (786, 21376), (788, 21388), (813, 21472), (859, 21577), (861, 21583), (899, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 149

Candidate Starts for SuperCallie99_31:

(98, 19902), (Start: 128 @19944 has 37 MA's), (Start: 149 @19968 has 636 MA's), (273, 20166), (285, 20205), (314, 20277), (315, 20280), (321, 20298), (336, 20334), (339, 20340), (389, 20451), (393, 20457), (405, 20496), (428, 20538), (455, 20577), (472, 20619), (476, 20622), (506, 20682), (603, 20919), (609, 20934), (653, 21015), (697, 21147), (753, 21273), (771, 21324), (774, 21333), (785, 21372), (786, 21375), (788, 21387), (813, 21471), (859, 21576), (861, 21582), (899, 21717),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 129

Candidate Starts for SuperGrey_17:

(Start: 129 @15480 has 222 MA's), (199, 15567), (Start: 233 @15612 has 2 MA's), (242, 15636), (283, 15741), (286, 15747), (292, 15765), (305, 15795), (350, 15900), (379, 15960), (389, 15981), (394, 15990), (401, 16014), (415, 16056), (453, 16089), (460, 16101), (467, 16116), (469, 16122), (475, 16140), (480, 16155), (482, 16161), (504, 16197), (506, 16200), (511, 16212), (512, 16218), (515, 16227), (526, 16266), (531, 16278), (535, 16284), (574, 16344), (579, 16356), (593, 16392), (597, 16404), (624, 16479), (628, 16488), (638, 16506), (642, 16512), (652, 16542), (718, 16647), (721, 16656), (722, 16659), (738, 16695), (766, 16773), (801, 16893), (826, 16956), (835, 16986), (841, 16995), (844, 17001), (859, 17016), (860, 17019), (865, 17043), (876, 17073), (881, 17085), (899, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 170

Candidate Starts for SuperSulley_42:

(Start: 170 @30625 has 41 MA's), (Start: 178 @30637 has 57 MA's), (Start: 246 @30739 has 1 MA's), (275, 30823), (347, 31006), (381, 31072), (388, 31087), (399, 31111), (435, 31198), (454, 31228), (456, 31231), (501, 31288), (525, 31360), (587, 31465), (626, 31552), (652, 31600), (717, 31726), (731, 31762), (780, 31873), (801, 31948), (876, 32125), (886, 32167), (905, 32224),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 149

Candidate Starts for Superchunk_27:

(98, 18769), (Start: 128 @18811 has 37 MA's), (Start: 149 @18835 has 636 MA's), (Start: 167 @18844 has 5 MA's), (255, 18988), (284, 19069), (285, 19072), (314, 19144), (315, 19147), (319, 19162), (336, 19201), (339, 19207), (389, 19318), (393, 19324), (401, 19351), (428, 19405), (472, 19486), (476, 19489), (542, 19645), (553, 19675), (593, 19759), (609, 19801), (639, 19852), (653, 19882), (692, 20008), (710, 20062), (721, 20089), (726, 20098), (731, 20110), (747, 20143), (753, 20158), (761, 20182), (785, 20257), (786, 20260), (788, 20272), (813, 20356), (859, 20461), (872, 20512), (876, 20521), (899, 20602),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 196

Candidate Starts for Superphikiman_34:

(Start: 128 @25072 has 37 MA's), (Start: 196 @25162 has 48 MA's), (199, 25165), (242, 25240), (257, 25267), (280, 25333), (294, 25369), (307, 25399), (312, 25414), (346, 25498), (363, 25534), (377, 25561), (395, 25600), (405, 25633), (408, 25642), (455, 25699), (472, 25741), (509, 25816), (512, 25828), (531, 25888), (561, 25942), (575, 25972), (583, 25990), (588, 25999), (598, 26032), (602, 26044), (604, 26050), (616, 26089), (642, 26146), (726, 26296), (733, 26314), (753, 26356), (761, 26380), (762, 26383), (766, 26398), (777, 26428), (786, 26458), (801, 26515), (867, 26665), (901, 26785), (906, 26791),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 149

Candidate Starts for Survivors_20:

(48, 16235), (Start: 149 @16559 has 636 MA's), (299, 16844), (301, 16847), (315, 16892), (319, 16907), (353, 16985), (373, 17030), (416, 17132), (429, 17153), (441, 17165), (449, 17177), (451, 17180), (475, 17237), (487, 17270), (499, 17285), (522, 17351), (555, 17393), (560, 17402), (584, 17447), (606, 17510), (652, 17591), (657, 17609), (660, 17618), (664, 17627), (684, 17684), (686, 17693), (753, 17825), (769, 17852), (781, 17873), (794, 17924), (795, 17927), (830, 18023), (842, 18050), (847, 18059), (849, 18062), (861, 18092), (864, 18110), (880, 18155), (906, 18245),

Gene: Suscepit_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Suscepit_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: SushiChef_20 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for SushiChef_20:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: SwagPigglett_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for SwagPigglett_16:

(Start: 129 @14813 has 222 MA's), (199, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (265, 15026), (283, 15074), (286, 15080), (292, 15098), (305, 15128), (350, 15233), (376, 15287), (379, 15293), (383, 15302), (394, 15323), (401, 15347), (413, 15383), (415, 15389), (453, 15422), (455, 15425), (460, 15434), (467, 15449), (469, 15455), (475, 15473), (480, 15488), (482, 15494), (490, 15512), (493, 15515), (504, 15530), (511, 15545), (512, 15551), (526, 15599), (531, 15611), (535, 15617), (574, 15677), (579, 15689), (593, 15725), (597, 15737), (624, 15812), (628, 15821), (638, 15839), (642, 15845), (652, 15875), (718, 15980), (722, 15992), (738, 16028), (766, 16106), (801,

16226), (811, 16259), (826, 16289), (829, 16301), (835, 16319), (839, 16325), (841, 16328), (844, 16334), (859, 16349), (860, 16352), (864, 16373), (865, 16376), (881, 16418), (886, 16448), (899, 16490), (900, 16496),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for Swann_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 149

Candidate Starts for SweatNTears_20:

(119, 15861), (Start: 139 @15888 has 9 MA's), (Start: 149 @15891 has 636 MA's), (274, 16101), (333, 16269), (335, 16275), (384, 16383), (398, 16419), (408, 16449), (416, 16464), (441, 16497), (449, 16509), (467, 16545), (487, 16602), (496, 16614), (560, 16734), (572, 16755), (584, 16779), (653, 16929), (657, 16944), (664, 16962), (684, 17019), (748, 17148), (753, 17160), (760, 17178), (769, 17187), (794, 17259), (795, 17262), (797, 17268), (801, 17280), (842, 17385), (847, 17394), (861, 17427), (895, 17553),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 149

Candidate Starts for SweetiePie_28:

(98, 20052), (Start: 128 @20094 has 37 MA's), (Start: 149 @20118 has 636 MA's), (231, 20217), (265, 20301), (284, 20352), (285, 20355), (314, 20427), (315, 20430), (336, 20484), (353, 20523), (373, 20568), (389, 20601), (428, 20688), (472, 20769), (476, 20772), (594, 21045), (653, 21165), (692, 21291), (718, 21345), (747, 21408), (753, 21423), (755, 21429), (774, 21483), (785, 21522), (788, 21537), (813, 21621), (861, 21732), (899, 21867),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 111

Candidate Starts for Sweets_18:

(Start: 111 @16635 has 26 MA's), (Start: 137 @16644 has 56 MA's), (143, 16650), (147, 16656), (238, 16788), (262, 16839), (273, 16869), (280, 16893), (315, 16995), (331, 17034), (333, 17040), (339, 17055), (358, 17100), (408, 17220), (429, 17277), (459, 17316), (477, 17364), (487, 17391), (496, 17403), (532, 17484), (574, 17529), (653, 17727), (662, 17757), (669, 17775), (679, 17802), (722, 17886), (735, 17904), (745, 17919), (761, 17967), (765, 17982), (786, 18045), (801, 18102), (813, 18141), (831, 18183), (862, 18234), (889, 18330), (910, 18390),

Gene: SwirlSquare_29 Start: 18998, Stop: 20788, Start Num: 149

Candidate Starts for SwirlSquare_29:

(98, 18932), (Start: 128 @18974 has 37 MA's), (Start: 149 @18998 has 636 MA's), (284, 19232), (285, 19235), (314, 19307), (315, 19310), (319, 19325), (393, 19487), (397, 19499), (428, 19568), (465, 19628), (472, 19649), (476, 19652), (542, 19808), (553, 19838), (593, 19922), (639, 20015), (653, 20045), (692, 20171), (731, 20273), (747, 20306), (753, 20321), (785, 20420), (786, 20423), (788, 20435), (813, 20519), (859, 20624), (876, 20684), (899, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 149

Candidate Starts for Swirley_24:

(Start: 149 @19634 has 636 MA's), (Start: 233 @19739 has 2 MA's), (Start: 246 @19772 has 1 MA's), (285, 19871), (315, 19946), (319, 19961), (335, 19997), (366, 20069), (373, 20084), (393, 20123), (487, 20318), (506, 20348), (509, 20354), (560, 20489), (589, 20546), (590, 20549), (593, 20558), (609, 20600), (615, 20618), (652, 20678), (653, 20681), (684, 20774), (686, 20783), (692, 20807), (730, 20915), (747, 20951), (813, 21161), (858, 21263), (861, 21272), (892, 21386), (899, 21407),

(901, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 151

Candidate Starts for SwissCheese_28:

(Start: 151 @21594 has 225 MA's), (Start: 167 @21615 has 5 MA's), (Start: 195 @21657 has 1 MA's), (228, 21702), (315, 21918), (333, 21963), (336, 21972), (353, 22011), (377, 22062), (378, 22065), (476, 22260), (510, 22329), (593, 22530), (594, 22533), (601, 22554), (652, 22650), (653, 22653), (655, 22659), (679, 22728), (684, 22746), (686, 22755), (697, 22785), (731, 22881), (747, 22914), (753, 22929), (763, 22959), (795, 23070), (813, 23127), (861, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 151

Candidate Starts for Switzer_28:

(Start: 151 @21233 has 225 MA's), (Start: 167 @21254 has 5 MA's), (Start: 195 @21296 has 1 MA's), (228, 21341), (315, 21557), (333, 21602), (336, 21611), (353, 21650), (377, 21701), (378, 21704), (476, 21899), (510, 21968), (593, 22169), (594, 22172), (601, 22193), (652, 22289), (653, 22292), (655, 22298), (679, 22367), (684, 22385), (686, 22394), (697, 22424), (731, 22520), (747, 22553), (753, 22568), (795, 22709), (813, 22766), (861, 22877), (907, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 149

Candidate Starts for Switzerland_30:

(98, 19142), (Start: 128 @19184 has 37 MA's), (Start: 149 @19208 has 636 MA's), (Start: 246 @19346 has 1 MA's), (272, 19403), (285, 19445), (302, 19481), (315, 19520), (343, 19589), (353, 19613), (378, 19667), (455, 19817), (476, 19862), (487, 19892), (509, 19928), (524, 19979), (540, 20015), (560, 20063), (590, 20123), (652, 20252), (679, 20330), (753, 20531), (755, 20537), (786, 20633), (845, 20798), (879, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for Swole_29:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (353, 22002), (377, 22053), (378, 22056), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 149

Candidate Starts for SydNat_24:

(Start: 149 @19916 has 636 MA's), (Start: 246 @20054 has 1 MA's), (285, 20153), (315, 20228), (335, 20279), (366, 20351), (373, 20366), (389, 20399), (393, 20405), (436, 20498), (487, 20600), (506, 20630), (509, 20636), (542, 20726), (553, 20756), (593, 20840), (594, 20843), (609, 20882), (615, 20900), (652, 20960), (653, 20963), (684, 21056), (730, 21197), (749, 21239), (861, 21557), (899, 21692), (901, 21701),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 118

Candidate Starts for Syra333_22:

(Start: 111 @16312 has 26 MA's), (Start: 118 @16321 has 152 MA's), (143, 16351), (165, 16378), (Start: 233 @16477 has 2 MA's), (238, 16492), (Start: 246 @16510 has 1 MA's), (262, 16543), (273, 16573), (288, 16618), (317, 16708), (333, 16744), (365, 16822), (369, 16831), (412, 16936), (413, 16939), (455, 17005), (459, 17011), (477, 17059), (482, 17074), (582, 17242), (603, 17302), (628, 17359), (649, 17404), (653, 17416), (669, 17464), (718, 17563), (749, 17623), (762, 17659), (795, 17773), (811, 17824), (813, 17830), (862, 17923), (900, 18058), (901, 18061), (910, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 118

Candidate Starts for TBond007_22:

(Start: 111 @17348 has 26 MA's), (Start: 118 @17357 has 152 MA's), (204, 17459), (238, 17516), (262, 17567), (273, 17597), (280, 17621), (365, 17852), (369, 17861), (377, 17873), (412, 17966), (413, 17969), (459, 18041), (463, 18050), (475, 18083), (477, 18089), (496, 18128), (512, 18164), (574, 18254), (598, 18317), (635, 18404), (669, 18497), (691, 18572), (749, 18653), (765, 18701), (775, 18725), (782, 18752), (797, 18809), (811, 18854), (862, 18956), (870, 18983), (886, 19043), (889, 19052), (895, 19073), (900, 19091), (903, 19097), (910, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 196

Candidate Starts for TBrady12_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 117

Candidate Starts for TChen_17:

(Start: 117 @15346 has 26 MA's), (Start: 120 @15352 has 1 MA's), (Start: 123 @15358 has 8 MA's), (Start: 136 @15370 has 1 MA's), (Start: 141 @15376 has 6 MA's), (Start: 233 @15496 has 2 MA's), (242, 15520), (254, 15544), (283, 15625), (286, 15631), (292, 15649), (305, 15679), (383, 15853), (394, 15874), (395, 15877), (406, 15913), (427, 15952), (469, 16006), (475, 16024), (476, 16027), (480, 16039), (482, 16045), (504, 16081), (512, 16102), (517, 16120), (526, 16150), (531, 16162), (535, 16168), (574, 16228), (593, 16276), (610, 16321), (624, 16363), (628, 16372), (642, 16396), (652, 16426), (667, 16471), (718, 16531), (721, 16540), (722, 16543), (738, 16579), (768, 16660), (805, 16789), (811, 16810), (826, 16840), (835, 16870), (841, 16879), (844, 16885), (859, 16900), (860, 16903), (906, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 118

Candidate Starts for TClif_22:

(Start: 95 @16315 has 1 MA's), (Start: 111 @16345 has 26 MA's), (Start: 118 @16354 has 152 MA's), (143, 16384), (238, 16525), (273, 16606), (283, 16639), (288, 16651), (335, 16783), (365, 16855), (369, 16864), (378, 16879), (412, 16969), (413, 16972), (455, 17038), (459, 17044), (475, 17086), (477, 17092), (487, 17119), (574, 17257), (614, 17365), (649, 17437), (669, 17497), (718, 17596), (723, 17611), (762, 17692), (776, 17731), (795, 17806), (811, 17857), (910, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for TDanisky_16:

(Start: 129 @14836 has 222 MA's), (199, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (265, 15049), (283, 15097), (286, 15103), (292, 15121), (305, 15151), (350, 15256), (376, 15310), (379, 15316), (383, 15325), (394, 15346), (401, 15370), (413, 15406), (415, 15412), (453, 15445), (455, 15448), (460, 15457), (467, 15472), (469, 15478), (475, 15496), (480, 15511), (482, 15517), (490, 15535), (493, 15538), (504, 15553), (511, 15568), (512, 15574), (526, 15622), (531, 15634), (535, 15640), (574, 15700), (579, 15712), (593, 15748), (597, 15760), (624, 15835), (628, 15844), (638, 15862), (642, 15868), (652, 15898), (718, 16003), (722, 16015), (738, 16051), (766, 16129), (801, 16249), (811, 16282), (826, 16312), (829, 16324), (835, 16342), (839, 16348), (841, 16351), (844, 16357), (859, 16372), (860, 16375), (864, 16396), (865, 16399), (881, 16441), (886, 16471), (899, 16513), (900, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 116

Candidate Starts for TM4_19:

(Start: 95 @15058 has 1 MA's), (Start: 111 @15088 has 26 MA's), (Start: 116 @15094 has 42 MA's), (Start: 137 @15109 has 56 MA's), (Start: 171 @15151 has 8 MA's), (205, 15199), (Start: 233 @15238

has 2 MA's), (238, 15253), (262, 15304), (263, 15307), (273, 15334), (283, 15367), (288, 15379), (317, 15469), (319, 15475), (365, 15583), (408, 15685), (412, 15697), (413, 15700), (427, 15736), (459, 15772), (467, 15790), (475, 15814), (477, 15820), (496, 15859), (509, 15883), (512, 15895), (574, 15985), (578, 15994), (598, 16048), (609, 16078), (652, 16189), (669, 16240), (715, 16330), (718, 16339), (721, 16348), (722, 16351), (749, 16384), (763, 16423), (773, 16450), (776, 16459), (795, 16534), (811, 16585), (813, 16591), (850, 16672), (862, 16687), (880, 16741), (900, 16822), (910, 16843),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 149

Candidate Starts for TNguyen7_27:

(Start: 149 @19874 has 636 MA's), (Start: 195 @19931 has 1 MA's), (238, 20000), (280, 20102), (284, 20114), (285, 20117), (315, 20192), (319, 20207), (336, 20246), (397, 20381), (428, 20450), (487, 20564), (542, 20690), (593, 20804), (601, 20828), (609, 20846), (653, 20927), (679, 21002), (684, 21020), (686, 21029), (692, 21053), (697, 21059), (700, 21074), (712, 21107), (730, 21152), (731, 21155), (744, 21176), (747, 21188), (770, 21251), (813, 21401), (859, 21506), (861, 21512), (899, 21647),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 123

Candidate Starts for TPA4_19:

(101, 17699), (Start: 123 @17726 has 8 MA's), (Start: 191 @17798 has 1 MA's), (231, 17852), (Start: 233 @17858 has 2 MA's), (Start: 246 @17891 has 1 MA's), (339, 18143), (368, 18212), (380, 18230), (399, 18278), (402, 18290), (406, 18299), (416, 18329), (440, 18359), (459, 18386), (467, 18404), (474, 18425), (482, 18449), (536, 18560), (573, 18596), (587, 18626), (643, 18761), (644, 18764), (653, 18794), (669, 18842), (678, 18866), (753, 19007), (785, 19106), (791, 19133), (792, 19136), (807, 19187), (811, 19199), (824, 19226), (836, 19262), (864, 19307), (876, 19343), (890, 19394), (909, 19451),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for TWAMP_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for Tachez_23:

(Start: 118 @17117 has 152 MA's), (143, 17147), (Start: 246 @17306 has 1 MA's), (262, 17339), (273, 17369), (283, 17402), (288, 17414), (317, 17504), (335, 17546), (365, 17618), (369, 17627), (389, 17666), (405, 17711), (412, 17732), (413, 17735), (445, 17789), (459, 17807), (475, 17849), (477, 17855), (487, 17882), (574, 18020), (582, 18038), (597, 18080), (603, 18098), (614, 18128), (628, 18155), (669, 18260), (749, 18419), (762, 18455), (773, 18485), (776, 18494), (795, 18569), (811, 18620), (862, 18719), (889, 18815), (900, 18854), (901, 18857), (910, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 137

Candidate Starts for Taheera_18:

(57, 16453), (Start: 111 @16657 has 26 MA's), (Start: 137 @16666 has 56 MA's), (143, 16672), (147, 16678), (205, 16756), (238, 16810), (262, 16861), (273, 16891), (280, 16915), (315, 17017), (331, 17056), (333, 17062), (339, 17077), (408, 17242), (429, 17299), (459, 17338), (475, 17380), (477, 17386), (496, 17425), (558, 17524), (574, 17551), (592, 17596), (662, 17779), (669, 17797), (679, 17824), (722, 17908), (735, 17926), (745, 17941), (765, 18004), (786, 18067), (791, 18091), (801, 18124), (813, 18163), (831, 18205), (889, 18352), (910, 18412),

Gene: Tailonex_24 Start: 20532, Stop: 22169, Start Num: 172

Candidate Starts for Tailonex_24:

(Start: 163 @20517 has 3 MA's), (Start: 172 @20532 has 32 MA's), (Start: 195 @20562 has 1 MA's), (284, 20745), (285, 20748), (349, 20913), (352, 20916), (378, 20970), (389, 20994), (401, 21027), (441, 21093), (506, 21219), (553, 21294), (608, 21420), (639, 21483), (653, 21513), (654, 21516), (684, 21606), (744, 21720), (747, 21732), (749, 21738), (798, 21858), (799, 21861), (813, 21906), (853, 21993), (859, 22008), (861, 22014), (862, 22023),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 118

Candidate Starts for TaiwanKao_24:

(Start: 118 @17128 has 152 MA's), (143, 17158), (Start: 246 @17317 has 1 MA's), (262, 17350), (273, 17380), (283, 17413), (288, 17425), (317, 17515), (335, 17557), (362, 17620), (365, 17629), (369, 17638), (389, 17677), (405, 17722), (412, 17743), (413, 17746), (459, 17818), (475, 17860), (477, 17866), (487, 17893), (574, 18031), (582, 18049), (597, 18091), (603, 18109), (614, 18139), (628, 18166), (669, 18271), (749, 18430), (762, 18466), (773, 18496), (776, 18505), (795, 18580), (811, 18631), (889, 18826), (900, 18865), (901, 18868), (910, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 129

Candidate Starts for Taj_16:

(Start: 129 @14839 has 222 MA's), (199, 14926), (Start: 233 @14971 has 2 MA's), (242, 14995), (283, 15100), (286, 15106), (292, 15124), (305, 15154), (350, 15259), (379, 15319), (388, 15337), (389, 15340), (394, 15349), (401, 15373), (475, 15499), (480, 15514), (482, 15520), (504, 15556), (506, 15559), (511, 15571), (512, 15577), (526, 15625), (531, 15637), (535, 15643), (574, 15703), (579, 15715), (593, 15751), (597, 15763), (624, 15838), (628, 15847), (638, 15865), (642, 15871), (652, 15901), (718, 16006), (721, 16015), (722, 16018), (738, 16054), (766, 16132), (794, 16231), (801, 16252), (811, 16285), (826, 16315), (835, 16345), (841, 16354), (844, 16360), (859, 16375), (860, 16378), (865, 16402), (876, 16432), (881, 16444), (886, 16474), (899, 16516),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 172

Candidate Starts for Takoda_23:

(Start: 163 @16294 has 3 MA's), (Start: 172 @16309 has 32 MA's), (223, 16378), (241, 16414), (294, 16555), (315, 16600), (368, 16729), (389, 16771), (397, 16789), (399, 16798), (Start: 407 @16822 has 1 MA's), (416, 16840), (441, 16870), (451, 16885), (453, 16888), (470, 16927), (476, 16936), (587, 17137), (652, 17275), (679, 17353), (689, 17392), (692, 17404), (718, 17434), (753, 17512), (809, 17659), (853, 17758), (859, 17773), (906, 17926),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 102

Candidate Starts for Tangent_35:

(94, 30311), (Start: 102 @30329 has 86 MA's), (Start: 126 @30365 has 1 MA's), (231, 30503), (272, 30599), (275, 30608), (297, 30677), (315, 30728), (333, 30773), (339, 30788), (377, 30869), (397, 30914), (399, 30923), (416, 30962), (453, 31013), (467, 31043), (472, 31058), (480, 31082), (496, 31112), (558, 31217), (609, 31334), (616, 31352), (620, 31367), (648, 31397), (652, 31409), (653, 31412), (660, 31439), (795, 31763), (796, 31766), (811, 31814), (824, 31841), (833, 31868), (859, 31922), (864, 31946), (865, 31949), (890, 32039), (907, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 102

Candidate Starts for Tangerine_34:

(Start: 102 @29524 has 86 MA's), (Start: 126 @29560 has 1 MA's), (223, 29689), (231, 29698), (272, 29794), (275, 29803), (297, 29872), (315, 29923), (317, 29932), (333, 29968), (339, 29983), (345, 30001), (377, 30064), (397, 30109), (399, 30118), (463, 30229), (467, 30238), (472, 30253), (480, 30277), (496, 30307), (609, 30529), (616, 30547), (620, 30562), (652, 30604), (660, 30634), (703, 30754), (749, 30847), (795, 30958), (796, 30961), (811, 31009), (824, 31036), (833, 31063), (859, 31117),

Gene: Taotie_17 Start: 18420, Stop: 20066, Start Num: 170

Candidate Starts for Taotie_17:

(Start: 170 @18420 has 41 MA's), (285, 18645), (304, 18687), (393, 18897), (450, 19008), (480, 19074), (508, 19125), (554, 19200), (653, 19404), (660, 19431), (678, 19476), (693, 19533), (749, 19629), (797, 19746), (890, 20010), (896, 20031), (907, 20058),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Tapioca_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 149

Candidate Starts for Taquarus_27:

(Start: 128 @19806 has 37 MA's), (Start: 149 @19830 has 636 MA's), (Start: 195 @19887 has 1 MA's), (Start: 233 @19941 has 2 MA's), (238, 19956), (Start: 246 @19974 has 1 MA's), (280, 20058), (284, 20070), (285, 20073), (315, 20148), (319, 20163), (336, 20202), (389, 20319), (428, 20406), (472, 20487), (499, 20535), (510, 20559), (542, 20646), (560, 20691), (594, 20763), (601, 20784), (609, 20802), (653, 20883), (684, 20976), (686, 20985), (692, 21009), (697, 21015), (702, 21039), (731, 21093), (744, 21114), (761, 21165), (770, 21189), (786, 21243), (813, 21339), (859, 21444), (862, 21459), (893, 21567), (899, 21585),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 116

Candidate Starts for Taquito_22:

(Start: 95 @18203 has 1 MA's), (Start: 111 @18233 has 26 MA's), (Start: 116 @18239 has 42 MA's), (Start: 118 @18242 has 152 MA's), (Start: 171 @18299 has 8 MA's), (205, 18347), (Start: 233 @18386 has 2 MA's), (238, 18401), (Start: 246 @18419 has 1 MA's), (262, 18452), (273, 18482), (288, 18527), (294, 18545), (317, 18617), (319, 18623), (333, 18653), (361, 18719), (365, 18731), (420, 18866), (455, 18914), (459, 18920), (467, 18938), (477, 18968), (496, 19007), (574, 19133), (597, 19193), (598, 19196), (604, 19214), (610, 19229), (669, 19397), (686, 19451), (718, 19496), (739, 19541), (749, 19565), (761, 19598), (792, 19703), (795, 19715), (811, 19766), (813, 19772), (864, 19874), (900, 20000), (910, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 214

Candidate Starts for Tardus_36:

(Start: 214 @30115 has 22 MA's), (232, 30136), (237, 30148), (261, 30199), (281, 30262), (310, 30334), (346, 30421), (370, 30472), (385, 30502), (414, 30583), (481, 30703), (483, 30709), (502, 30739), (508, 30748), (517, 30781), (518, 30784), (522, 30796), (545, 30844), (574, 30892), (578, 30901), (614, 31000), (633, 31039), (640, 31051), (679, 31168), (722, 31207), (740, 31246), (761, 31303), (775, 31342), (777, 31351), (790, 31408), (793, 31420), (811, 31477), (813, 31483), (824, 31504), (835, 31537), (862, 31582), (899, 31711), (901, 31720),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 151

Candidate Starts for Target_30:

(Start: 151 @22616 has 225 MA's), (Start: 167 @22637 has 5 MA's), (Start: 195 @22679 has 1 MA's), (228, 22724), (315, 22940), (333, 22985), (336, 22994), (353, 23033), (377, 23084), (378, 23087), (476, 23282), (510, 23351), (593, 23552), (594, 23555), (601, 23576), (652, 23672), (653, 23675), (655, 23681), (679, 23750), (684, 23768), (686, 23777), (697, 23807), (731, 23903), (747, 23936),

(753, 23951), (795, 24092), (813, 24149), (861, 24260),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 134

Candidate Starts for Tarkin_26:

(Start: 134 @20735 has 130 MA's), (Start: 196 @20819 has 48 MA's), (Start: 246 @20897 has 1 MA's), (280, 20984), (286, 20999), (305, 21047), (320, 21086), (361, 21173), (377, 21206), (394, 21242), (402, 21272), (405, 21278), (458, 21347), (477, 21377), (481, 21389), (482, 21392), (512, 21449), (575, 21581), (578, 21587), (602, 21653), (604, 21659), (612, 21683), (628, 21731), (642, 21755), (647, 21764), (672, 21839), (721, 21890), (726, 21905), (786, 22067), (792, 22094), (801, 22124), (843, 22229), (879, 22307), (886, 22343), (889, 22352), (899, 22385), (906, 22400),

Gene: Tarnish_18 Start: 15785, Stop: 17479, Start Num: 149

Candidate Starts for Tarnish_18:

(Start: 139 @15782 has 9 MA's), (Start: 149 @15785 has 636 MA's), (226, 15884), (Start: 246 @15926 has 1 MA's), (297, 16064), (335, 16166), (373, 16253), (388, 16283), (398, 16310), (416, 16355), (441, 16388), (451, 16403), (463, 16427), (475, 16460), (487, 16493), (496, 16505), (518, 16562), (548, 16592), (553, 16610), (569, 16640), (584, 16670), (606, 16733), (634, 16784), (653, 16820), (657, 16835), (664, 16853), (684, 16910), (748, 17039), (753, 17051), (794, 17150), (795, 17153), (801, 17171), (830, 17249), (842, 17276), (861, 17318), (901, 17465), (906, 17471),

Gene: TaronosaurusRx_19 Start: 16979, Stop: 18709, Start Num: 144

Candidate Starts for TaronosaurusRx_19:

(50, 16667), (78, 16862), (119, 16946), (Start: 126 @16958 has 1 MA's), (Start: 144 @16979 has 6 MA's), (280, 17216), (290, 17249), (377, 17462), (405, 17534), (427, 17576), (455, 17615), (467, 17642), (475, 17666), (494, 17708), (509, 17735), (510, 17738), (547, 17792), (550, 17798), (589, 17885), (704, 18176), (707, 18179), (738, 18245), (748, 18269), (755, 18287), (795, 18383), (801, 18401), (849, 18518), (862, 18557), (863, 18560), (866, 18572), (887, 18647), (895, 18674),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 149

Candidate Starts for TarsusIV_28:

(98, 20142), (Start: 128 @20184 has 37 MA's), (Start: 149 @20208 has 636 MA's), (245, 20343), (255, 20361), (284, 20442), (285, 20445), (314, 20517), (315, 20520), (336, 20574), (389, 20691), (428, 20778), (472, 20859), (476, 20862), (553, 21048), (594, 21135), (609, 21174), (653, 21255), (692, 21381), (697, 21387), (753, 21513), (755, 21519), (785, 21612), (788, 21627), (813, 21711), (861, 21822), (876, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 149

Candidate Starts for Tarynearal_23:

(Start: 149 @19656 has 636 MA's), (Start: 233 @19761 has 2 MA's), (Start: 246 @19794 has 1 MA's), (285, 19893), (315, 19968), (319, 19983), (335, 20019), (366, 20091), (373, 20106), (393, 20145), (401, 20172), (408, 20193), (433, 20232), (506, 20370), (509, 20376), (560, 20511), (589, 20568), (590, 20571), (593, 20580), (609, 20622), (615, 20640), (652, 20700), (653, 20703), (684, 20796), (686, 20805), (692, 20829), (730, 20937), (747, 20973), (813, 21183), (858, 21285), (861, 21294), (892, 21408), (899, 21429), (901, 21438),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 208

Candidate Starts for Tarzan_18:

(Start: 208 @14963 has 12 MA's), (261, 15062), (267, 15086), (310, 15197), (311, 15200), (317, 15218), (321, 15227), (353, 15293), (360, 15308), (363, 15317), (365, 15323), (398, 15395), (404, 15413), (427, 15467), (439, 15476), (470, 15530), (482, 15566), (483, 15569), (528, 15677), (572, 15749), (574, 15755), (578, 15764), (586, 15782), (616, 15872), (667, 15986), (671, 16004), (678, 16016), (731, 16082), (753, 16130), (757, 16142), (761, 16154), (768, 16175), (773, 16187), (777, 16202), (786, 16232), (794, 16268), (872, 16457), (890, 16520), (896, 16541), (906, 16565),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 151

Candidate Starts for Tasp14_28:

(Start: 151 @21346 has 225 MA's), (Start: 167 @21367 has 5 MA's), (Start: 195 @21409 has 1 MA's), (228, 21454), (315, 21670), (333, 21715), (336, 21724), (353, 21763), (377, 21814), (378, 21817), (416, 21910), (476, 22012), (510, 22081), (589, 22270), (593, 22282), (594, 22285), (601, 22306), (652, 22402), (653, 22405), (655, 22411), (679, 22480), (684, 22498), (686, 22507), (697, 22537), (731, 22633), (747, 22666), (753, 22681), (795, 22822), (813, 22879), (861, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 149

Candidate Starts for Taurus_29:

(Start: 149 @20378 has 636 MA's), (Start: 195 @20435 has 1 MA's), (205, 20450), (231, 20483), (238, 20504), (245, 20519), (280, 20606), (284, 20618), (285, 20621), (315, 20696), (319, 20711), (335, 20747), (428, 20954), (487, 21068), (510, 21107), (542, 21194), (593, 21308), (601, 21332), (609, 21350), (653, 21431), (679, 21506), (684, 21524), (692, 21557), (697, 21563), (706, 21602), (730, 21656), (731, 21659), (744, 21680), (763, 21737), (813, 21905), (859, 22010), (861, 22016), (899, 22151),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Tayonia_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 129

Candidate Starts for Tchotchke_17:

(Start: 129 @14738 has 222 MA's), (199, 14825), (Start: 233 @14870 has 2 MA's), (242, 14894), (265, 14951), (283, 14999), (286, 15005), (292, 15023), (305, 15053), (350, 15158), (376, 15212), (379, 15218), (383, 15227), (394, 15248), (401, 15272), (413, 15308), (415, 15314), (453, 15347), (455, 15350), (460, 15359), (467, 15374), (469, 15380), (475, 15398), (480, 15413), (482, 15419), (490, 15437), (493, 15440), (504, 15455), (511, 15470), (512, 15476), (526, 15524), (531, 15536), (535, 15542), (574, 15602), (579, 15614), (593, 15650), (597, 15662), (624, 15737), (628, 15746), (638, 15764), (642, 15770), (652, 15800), (718, 15905), (722, 15917), (738, 15953), (766, 16031), (801, 16151), (811, 16184), (826, 16214), (829, 16226), (835, 16244), (839, 16250), (841, 16253), (844, 16259), (859, 16274), (860, 16277), (864, 16298), (865, 16301), (881, 16343), (886, 16373), (899, 16415), (900, 16421),

Gene: TeamEdward_24 Start: 20001, Stop: 21596, Start Num: 196

Candidate Starts for TeamEdward_24:

(Start: 134 @19917 has 130 MA's), (Start: 196 @20001 has 48 MA's), (Start: 246 @20079 has 1 MA's), (280, 20166), (286, 20181), (305, 20229), (320, 20268), (361, 20355), (377, 20388), (394, 20424), (402, 20454), (405, 20460), (458, 20529), (477, 20559), (481, 20571), (482, 20574), (512, 20631), (575, 20763), (578, 20769), (602, 20835), (604, 20841), (612, 20865), (628, 20913), (642, 20937), (647, 20946), (672, 21021), (721, 21072), (726, 21087), (786, 21249), (792, 21276), (801, 21306), (843, 21411), (879, 21489), (886, 21525), (889, 21534), (899, 21567), (906, 21582),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 134

Candidate Starts for TeardropMSU_23:

(Start: 134 @19653 has 130 MA's), (Start: 196 @19737 has 48 MA's), (Start: 246 @19815 has 1 MA's), (280, 19902), (286, 19917), (305, 19965), (320, 20004), (361, 20091), (377, 20124), (394, 20160), (402, 20190), (405, 20196), (458, 20265), (477, 20295), (481, 20307), (482, 20310), (512,

20367), (575, 20499), (578, 20505), (602, 20571), (604, 20577), (612, 20601), (628, 20649), (642, 20673), (647, 20682), (672, 20757), (721, 20808), (726, 20823), (786, 20985), (792, 21012), (801, 21042), (843, 21147), (879, 21225), (886, 21261), (889, 21270), (899, 21303), (906, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 134

Candidate Starts for Teaspoon_25:

(Start: 134 @19699 has 130 MA's), (Start: 196 @19783 has 48 MA's), (Start: 246 @19861 has 1 MA's), (280, 19948), (286, 19963), (305, 20011), (320, 20050), (361, 20137), (377, 20170), (394, 20206), (402, 20236), (405, 20242), (458, 20311), (477, 20341), (481, 20353), (482, 20356), (512, 20413), (575, 20545), (578, 20551), (602, 20617), (604, 20623), (612, 20647), (628, 20695), (642, 20719), (647, 20728), (672, 20803), (721, 20854), (726, 20869), (786, 21031), (792, 21058), (801, 21088), (843, 21193), (879, 21271), (886, 21307), (889, 21316), (899, 21349), (906, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 122

Candidate Starts for Techage_19:

(Start: 107 @16352 has 2 MA's), (Start: 122 @16376 has 48 MA's), (Start: 170 @16436 has 41 MA's), (183, 16457), (185, 16460), (260, 16580), (274, 16619), (284, 16652), (294, 16676), (344, 16796), (361, 16835), (363, 16841), (399, 16925), (401, 16931), (405, 16943), (413, 16967), (442, 16994), (458, 17012), (473, 17051), (475, 17057), (483, 17081), (512, 17135), (516, 17147), (518, 17156), (545, 17216), (583, 17294), (597, 17333), (609, 17366), (628, 17432), (636, 17447), (642, 17456), (650, 17480), (660, 17510), (667, 17522), (733, 17624), (741, 17636), (744, 17639), (746, 17645), (748, 17654), (784, 17762), (807, 17846), (852, 17945), (889, 18053), (906, 18101),

Gene: Teejan_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Teejan_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 113

Candidate Starts for TelAviv_53:

(Start: 106 @33433 has 2 MA's), (Start: 113 @33442 has 28 MA's), (Start: 179 @33532 has 33 MA's), (253, 33649), (265, 33685), (275, 33706), (283, 33733), (286, 33739), (308, 33793), (330, 33844), (394, 33982), (396, 33988), (412, 34039), (413, 34042), (427, 34060), (475, 34111), (482, 34132), (483, 34135), (511, 34183), (512, 34189), (526, 34237), (528, 34243), (531, 34249), (563, 34309), (574, 34333), (575, 34336), (593, 34381), (598, 34396), (601, 34405), (604, 34414), (618, 34459), (628, 34477), (647, 34510), (722, 34648), (730, 34669), (758, 34735), (768, 34765), (784, 34819), (794, 34861), (801, 34882), (807, 34903), (811, 34915), (821, 34936), (844, 34990), (879, 35068), (886, 35104), (892, 35125), (900, 35152),

Gene: Temprado_31 Start: 19977, Stop: 21749, Start Num: 149

Candidate Starts for Temprado_31:

(98, 19911), (Start: 128 @19953 has 37 MA's), (Start: 149 @19977 has 636 MA's), (285, 20214), (314, 20286), (315, 20289), (319, 20304), (336, 20343), (339, 20349), (389, 20460), (393, 20466), (405, 20505), (428, 20547), (455, 20586), (472, 20628), (476, 20631), (542, 20787), (603, 20928), (609, 20943), (697, 21156), (744, 21255), (753, 21282), (771, 21333), (774, 21342), (785, 21381), (786, 21384), (859, 21585), (861, 21591), (899, 21726),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 151

Candidate Starts for Teodoridan_25:

(Start: 151 @20467 has 225 MA's), (Start: 167 @20488 has 5 MA's), (Start: 195 @20530 has 1 MA's), (228, 20575), (315, 20791), (333, 20836), (336, 20845), (353, 20884), (377, 20935), (378, 20938), (476, 21133), (510, 21202), (593, 21403), (594, 21406), (601, 21427), (652, 21523), (653, 21526), (655, 21532), (679, 21601), (684, 21619), (686, 21628), (697, 21658), (731, 21754), (747, 21787), (753, 21802), (795, 21943), (813, 22000), (861, 22111),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 134

Candidate Starts for Terminus_24:

(Start: 134 @19833 has 130 MA's), (Start: 196 @19917 has 48 MA's), (Start: 246 @19995 has 1 MA's), (280, 20082), (286, 20097), (305, 20145), (320, 20184), (361, 20271), (377, 20304), (394, 20340), (402, 20370), (405, 20376), (458, 20445), (477, 20475), (481, 20487), (482, 20490), (512, 20547), (575, 20679), (578, 20685), (602, 20751), (604, 20757), (612, 20781), (628, 20829), (642, 20853), (647, 20862), (672, 20937), (721, 20988), (726, 21003), (786, 21165), (792, 21192), (801, 21222), (843, 21327), (879, 21405), (886, 21441), (889, 21450), (899, 21483), (906, 21498),

Gene: Terrific_32 Start: 20644, Stop: 22440, Start Num: 128

Candidate Starts for Terrific_32:

(Start: 128 @20644 has 37 MA's), (Start: 149 @20668 has 636 MA's), (245, 20803), (284, 20902), (285, 20905), (314, 20977), (315, 20980), (336, 21034), (339, 21040), (366, 21103), (389, 21151), (401, 21184), (428, 21238), (472, 21319), (476, 21322), (487, 21352), (553, 21508), (594, 21595), (653, 21715), (691, 21838), (692, 21841), (697, 21847), (718, 21895), (747, 21958), (753, 21973), (755, 21979), (774, 22033), (785, 22072), (788, 22087), (797, 22120), (811, 22165), (859, 22276), (861, 22282), (876, 22336),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 137

Candidate Starts for Terror_18:

(57, 16453), (Start: 111 @16657 has 26 MA's), (Start: 137 @16666 has 56 MA's), (143, 16672), (147, 16678), (205, 16756), (238, 16810), (262, 16861), (273, 16891), (280, 16915), (315, 17017), (331, 17056), (333, 17062), (339, 17077), (408, 17242), (429, 17299), (459, 17338), (475, 17380), (477, 17386), (496, 17425), (558, 17524), (574, 17551), (592, 17596), (662, 17779), (669, 17797), (679, 17824), (722, 17908), (735, 17926), (745, 17941), (765, 18004), (786, 18067), (791, 18091), (801, 18124), (813, 18163), (831, 18205), (889, 18352), (910, 18412),

Gene: Tessdabest_17 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Tessdabest_17:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 149

Candidate Starts for Texage_27:

(Start: 149 @20456 has 636 MA's), (Start: 195 @20516 has 1 MA's), (238, 20585), (280, 20687), (284, 20699), (285, 20702), (315, 20777), (319, 20792), (336, 20831), (397, 20966), (428, 21035), (487, 21149), (542, 21275), (593, 21389), (601, 21413), (606, 21425), (609, 21431), (653, 21512), (679, 21587), (684, 21605), (686, 21614), (692, 21638), (697, 21644), (700, 21659), (712, 21692), (730, 21737), (731, 21740), (744, 21761), (786, 21890), (813, 21986), (859, 22091), (861, 22097), (899, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 149

Candidate Starts for Thanksgivukkah_27:

(Start: 128 @19807 has 37 MA's), (Start: 149 @19831 has 636 MA's), (Start: 195 @19888 has 1 MA's), (Start: 233 @19942 has 2 MA's), (238, 19957), (Start: 246 @19975 has 1 MA's), (280, 20059), (284, 20071), (285, 20074), (315, 20149), (319, 20164), (336, 20203), (389, 20320), (428, 20407), (472, 20488), (499, 20536), (510, 20560), (542, 20647), (560, 20692), (594, 20764), (601, 20785), (609, 20803), (653, 20884), (684, 20977), (686, 20986), (692, 21010), (697, 21016), (702, 21040), (731, 21094), (744, 21115), (761, 21166), (770, 21190), (813, 21340), (859, 21445), (862, 21460), (893, 21568), (899, 21586),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 178

Candidate Starts for ThankyouJordi_18:

(55, 17509), (65, 17584), (66, 17605), (96, 17689), (Start: 178 @17806 has 57 MA's), (308, 18064), (315, 18082), (316, 18085), (338, 18139), (398, 18283), (405, 18304), (423, 18355), (444, 18391), (445, 18394), (510, 18427), (526, 18484), (617, 18661), (637, 18685), (653, 18721), (685, 18823), (730, 18880), (766, 18970), (849, 19210), (873, 19288),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 149

Candidate Starts for Theia_22:

(Start: 138 @19662 has 1 MA's), (Start: 149 @19674 has 636 MA's), (Start: 233 @19779 has 2 MA's), (Start: 246 @19812 has 1 MA's), (285, 19911), (315, 19986), (319, 20001), (335, 20037), (366, 20109), (373, 20124), (393, 20163), (487, 20358), (506, 20388), (509, 20394), (560, 20529), (589, 20586), (590, 20589), (593, 20598), (609, 20640), (615, 20658), (652, 20718), (653, 20721), (684, 20814), (686, 20823), (692, 20847), (730, 20955), (747, 20991), (813, 21201), (858, 21303), (861, 21312), (892, 21426), (899, 21447), (901, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 151

Candidate Starts for TheloniousMonk_29:

(Start: 151 @22760 has 225 MA's), (Start: 167 @22781 has 5 MA's), (Start: 195 @22823 has 1 MA's), (228, 22868), (315, 23084), (333, 23129), (336, 23138), (353, 23177), (377, 23228), (378, 23231), (476, 23426), (510, 23495), (593, 23696), (594, 23699), (601, 23720), (652, 23816), (653, 23819), (655, 23825), (679, 23894), (684, 23912), (686, 23921), (697, 23951), (731, 24047), (747, 24080), (753, 24095), (795, 24236), (813, 24293), (861, 24404),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Thespis_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 128

Candidate Starts for Thibault_33:

(Start: 128 @27746 has 37 MA's), (Start: 196 @27836 has 48 MA's), (229, 27884), (242, 27914), (257, 27941), (294, 28043), (307, 28073), (346, 28172), (363, 28208), (377, 28235), (395, 28274), (405, 28307), (408, 28316), (482, 28445), (483, 28448), (490, 28463), (512, 28502), (526, 28550), (531, 28562), (535, 28568), (566, 28625), (575, 28646), (583, 28664), (600, 28712), (638, 28814), (660, 28874), (667, 28886), (726, 28970), (731, 28982), (733, 28988), (741, 29000), (744, 29003), (757, 29042), (763, 29060), (776, 29096), (777, 29102), (801, 29189), (834, 29279), (862, 29321), (867, 29339), (877, 29369), (887, 29411), (906, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 178

Candidate Starts for Thimann_20:

(96, 17178), (Start: 178 @17295 has 57 MA's), (308, 17553), (316, 17574), (338, 17628), (356, 17667), (378, 17724), (388, 17745), (510, 17916), (515, 17934), (522, 17958), (528, 17979), (568, 18021), (602, 18102), (653, 18192), (685, 18294), (686, 18297), (730, 18351), (766, 18441), (862, 18720), (864, 18729), (873, 18759),

Gene: Thimble_24 Start: 18699, Stop: 20378, Start Num: 134

Candidate Starts for Thimble_24:

(Start: 134 @18699 has 130 MA's), (Start: 196 @18783 has 48 MA's), (Start: 246 @18861 has 1 MA's), (280, 18948), (286, 18963), (305, 19011), (320, 19050), (361, 19137), (377, 19170), (394, 19206), (402, 19236), (405, 19242), (458, 19311), (477, 19341), (481, 19353), (482, 19356), (512, 19413), (575, 19545), (578, 19551), (602, 19617), (604, 19623), (612, 19647), (628, 19695), (642, 19719), (647, 19728), (672, 19803), (721, 19854), (726, 19869), (786, 20031), (792, 20058), (801, 20088), (843, 20193), (879, 20271), (886, 20307), (889, 20316), (899, 20349), (906, 20364),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 102

Candidate Starts for Thing3_34:

(94, 30795), (Start: 102 @30813 has 86 MA's), (Start: 126 @30849 has 1 MA's), (231, 30987), (272, 31083), (275, 31092), (297, 31161), (315, 31212), (333, 31257), (339, 31272), (377, 31353), (397, 31398), (399, 31407), (416, 31446), (453, 31497), (455, 31500), (467, 31527), (472, 31542), (480, 31566), (496, 31596), (558, 31701), (609, 31818), (616, 31836), (620, 31851), (648, 31881), (652, 31893), (653, 31896), (660, 31923), (795, 32247), (796, 32250), (811, 32298), (824, 32325), (833, 32352), (859, 32406), (865, 32433), (901, 32562),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 151

Candidate Starts for Thor_27:

(Start: 151 @21221 has 225 MA's), (Start: 167 @21242 has 5 MA's), (Start: 195 @21284 has 1 MA's), (228, 21329), (315, 21545), (333, 21590), (336, 21599), (377, 21689), (378, 21692), (416, 21785), (476, 21887), (510, 21956), (589, 22145), (593, 22157), (594, 22160), (601, 22181), (652, 22277), (653, 22280), (655, 22286), (679, 22355), (684, 22373), (686, 22382), (697, 22412), (731, 22508), (747, 22541), (753, 22556), (795, 22697), (813, 22754), (861, 22865), (907, 23018),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 128

Candidate Starts for ThreeRngTarjay_35:

(Start: 128 @27471 has 37 MA's), (Start: 196 @27561 has 48 MA's), (229, 27609), (242, 27639), (257, 27666), (294, 27768), (307, 27798), (346, 27897), (363, 27933), (365, 27939), (377, 27960), (405, 28032), (408, 28041), (415, 28062), (469, 28131), (482, 28170), (483, 28173), (490, 28188), (512, 28227), (526, 28275), (531, 28287), (535, 28293), (561, 28341), (566, 28350), (575, 28371), (583, 28389), (600, 28437), (638, 28539), (667, 28611), (683, 28656), (685, 28668), (694, 28803), (695, 28809), (696, 28833), (708, 28905), (716, 28932), (802, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 134

Candidate Starts for Thresher_25:

(Start: 134 @20500 has 130 MA's), (Start: 196 @20584 has 48 MA's), (Start: 246 @20662 has 1 MA's), (280, 20749), (286, 20764), (305, 20812), (320, 20851), (361, 20938), (377, 20971), (394, 21007), (402, 21037), (405, 21043), (458, 21112), (477, 21142), (481, 21154), (482, 21157), (512, 21214), (575, 21346), (578, 21352), (602, 21418), (604, 21424), (612, 21448), (628, 21496), (642, 21520), (647, 21529), (672, 21604), (721, 21655), (726, 21670), (786, 21832), (792, 21859), (801, 21889), (843, 21994), (879, 22072), (886, 22108), (889, 22117), (899, 22150), (906, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 122

Candidate Starts for ThulaThula_18:

(Start: 122 @16085 has 48 MA's), (183, 16166), (185, 16169), (225, 16220), (227, 16223), (Start: 233 @16232 has 2 MA's), (260, 16289), (274, 16328), (280, 16349), (284, 16361), (292, 16382), (294, 16385), (297, 16391), (344, 16505), (361, 16544), (363, 16550), (409, 16664), (453, 16715), (458, 16721), (473, 16760), (475, 16766), (483, 16790), (512, 16844), (516, 16856), (518, 16865), (545, 16925), (574, 16982), (583, 17003), (597, 17042), (609, 17075), (628, 17141), (642, 17165), (650, 17189), (660, 17219), (667, 17231), (733, 17333), (741, 17345), (744, 17348), (746, 17354), (748, 17363), (784, 17471), (807, 17555), (834, 17624), (852, 17654), (899, 17795), (906, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Thyatira_21:

(Start: 121 @17495 has 18 MA's), (124, 17501), (Start: 145 @17525 has 2 MA's), (Start: 171 @17558 has 8 MA's), (205, 17606), (238, 17660), (262, 17711), (283, 17774), (319, 17882), (365, 17990), (412, 18104), (413, 18107), (428, 18146), (445, 18161), (455, 18173), (459, 18179), (475, 18221), (477, 18227), (496, 18266), (509, 18290), (574, 18392), (598, 18455), (613, 18500), (669, 18635), (718, 18734), (753, 18812), (761, 18836), (768, 18857), (773, 18869), (775, 18875), (795, 18953), (797, 18959), (864, 19112), (894, 19217), (895, 19220), (900, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 215

Candidate Starts for Tiamoceli_33:

(Start: 215 @28384 has 57 MA's), (232, 28405), (261, 28468), (305, 28591), (310, 28603), (333, 28660), (370, 28738), (419, 28861), (483, 28975), (502, 29005), (517, 29047), (545, 29110), (574, 29158), (578, 29167), (597, 29218), (614, 29266), (678, 29431), (718, 29461), (758, 29560), (761, 29569), (762, 29572), (777, 29617), (790, 29674), (792, 29680), (793, 29686), (808, 29734), (811, 29743), (813, 29749), (815, 29752), (835, 29803), (862, 29848), (882, 29917), (895, 29965), (899, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 118

Candidate Starts for Tierra_22:

(Start: 111 @17038 has 26 MA's), (Start: 118 @17047 has 152 MA's), (143, 17077), (Start: 233 @17203 has 2 MA's), (238, 17218), (Start: 246 @17236 has 1 MA's), (262, 17269), (273, 17299), (288, 17344), (317, 17434), (333, 17470), (365, 17548), (369, 17557), (405, 17641), (408, 17650), (412, 17662), (413, 17665), (428, 17704), (445, 17719), (459, 17737), (475, 17779), (477, 17785), (582, 17968), (603, 18028), (644, 18112), (649, 18130), (669, 18190), (691, 18265), (718, 18289), (749, 18349), (761, 18382), (762, 18385), (768, 18403), (776, 18424), (795, 18499), (811, 18550), (813, 18556), (824, 18577), (862, 18649), (879, 18700), (900, 18784), (901, 18787), (910, 18805),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 149

Candidate Starts for Tiffany_29:

(Start: 149 @20273 has 636 MA's), (Start: 195 @20330 has 1 MA's), (205, 20345), (231, 20378), (238, 20399), (245, 20414), (280, 20501), (284, 20513), (285, 20516), (315, 20591), (319, 20606), (335, 20642), (428, 20849), (487, 20963), (510, 21002), (542, 21089), (593, 21203), (601, 21227), (609, 21245), (653, 21326), (679, 21401), (684, 21419), (692, 21452), (697, 21458), (706, 21497), (730, 21551), (731, 21554), (744, 21575), (763, 21632), (813, 21800), (859, 21905), (861, 21911), (899, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 149

Candidate Starts for Tiger_24:

(Start: 149 @19558 has 636 MA's), (Start: 233 @19663 has 2 MA's), (Start: 246 @19696 has 1 MA's), (285, 19795), (315, 19870), (319, 19885), (335, 19921), (366, 19993), (373, 20008), (389, 20041), (393, 20047), (487, 20242), (506, 20272), (509, 20278), (560, 20413), (589, 20470), (590, 20473), (593, 20482), (609, 20524), (615, 20542), (652, 20602), (653, 20605), (684, 20698), (686, 20707), (692, 20731), (730, 20839), (747, 20875), (813, 21085), (858, 21187), (861, 21196), (892, 21310),

(899, 21331), (901, 21340),

Gene: Tigress9_22 Start: 16309, Stop: 18075, Start Num: 118

Candidate Starts for Tigress9_22:

(Start: 111 @16300 has 26 MA's), (Start: 118 @16309 has 152 MA's), (143, 16339), (Start: 233 @16465 has 2 MA's), (238, 16480), (262, 16531), (273, 16561), (288, 16606), (317, 16696), (333, 16732), (369, 16819), (408, 16912), (412, 16924), (413, 16927), (455, 16993), (459, 16999), (475, 17041), (477, 17047), (536, 17173), (582, 17230), (628, 17347), (649, 17392), (653, 17404), (669, 17452), (691, 17527), (718, 17551), (762, 17647), (795, 17761), (811, 17812), (813, 17818), (862, 17911), (900, 18046), (901, 18049), (910, 18067),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 102

Candidate Starts for TillyBobJoe_31:

(85, 25607), (Start: 102 @25649 has 86 MA's), (Start: 126 @25685 has 1 MA's), (Start: 153 @25718 has 10 MA's), (274, 25928), (275, 25931), (284, 25961), (307, 26027), (315, 26051), (317, 26060), (332, 26093), (399, 26246), (416, 26285), (453, 26336), (460, 26348), (467, 26366), (471, 26378), (475, 26390), (480, 26405), (496, 26435), (499, 26438), (509, 26459), (554, 26531), (579, 26579), (620, 26690), (649, 26723), (663, 26765), (686, 26837), (715, 26903), (719, 26915), (795, 27086), (796, 27089), (811, 27137), (824, 27164), (833, 27191), (835, 27197), (859, 27245), (890, 27362), (896, 27383),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 178

Candidate Starts for TimTam_19:

(Start: 178 @17764 has 57 MA's), (308, 18022), (315, 18040), (316, 18043), (338, 18097), (372, 18172), (398, 18241), (401, 18250), (405, 18262), (423, 18313), (437, 18340), (444, 18349), (445, 18352), (510, 18385), (526, 18442), (568, 18508), (617, 18619), (637, 18643), (653, 18679), (685, 18781), (730, 18838), (766, 18928), (849, 19168), (873, 19246),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 149

Candidate Starts for Timothy_28:

(98, 20683), (Start: 128 @20725 has 37 MA's), (Start: 149 @20749 has 636 MA's), (188, 20791), (Start: 246 @20887 has 1 MA's), (255, 20902), (284, 20983), (285, 20986), (315, 21061), (319, 21076), (336, 21115), (339, 21121), (389, 21232), (393, 21238), (428, 21319), (476, 21403), (526, 21529), (533, 21547), (550, 21574), (609, 21715), (648, 21781), (652, 21793), (653, 21796), (712, 21985), (721, 22012), (726, 22021), (736, 22042), (738, 22045), (747, 22066), (753, 22081), (761, 22105), (785, 22180), (788, 22195), (813, 22279), (859, 22384), (861, 22390), (876, 22444), (907, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 149

Candidate Starts for Timshel_28:

(98, 22785), (Start: 128 @22827 has 37 MA's), (Start: 138 @22839 has 1 MA's), (Start: 149 @22851 has 636 MA's), (207, 22917), (284, 23082), (285, 23085), (315, 23160), (319, 23175), (393, 23337), (395, 23343), (428, 23418), (506, 23562), (554, 23688), (560, 23700), (593, 23769), (609, 23811), (652, 23907), (653, 23910), (657, 23925), (679, 23985), (684, 24003), (686, 24012), (692, 24036), (697, 24042), (730, 24135), (731, 24138), (747, 24171), (753, 24186), (764, 24222), (766, 24228), (792, 24315), (794, 24324), (850, 24465), (861, 24495), (862, 24504), (890, 24600), (906, 24645),

Gene: TinaBug_18 Start: 16644, Stop: 18398, Start Num: 137

Candidate Starts for TinaBug_18:

(Start: 111 @16635 has 26 MA's), (Start: 137 @16644 has 56 MA's), (143, 16650), (147, 16656), (238, 16788), (262, 16839), (273, 16869), (280, 16893), (315, 16995), (331, 17034), (333, 17040), (339, 17055), (358, 17100), (408, 17220), (429, 17277), (459, 17316), (477, 17364), (487, 17391), (496, 17403), (532, 17484), (574, 17529), (653, 17727), (662, 17757), (669, 17775), (679, 17802), (722, 17886), (735, 17904), (745, 17919), (761, 17967), (765, 17982), (786, 18045), (801, 18102), (813,

18141), (831, 18183), (862, 18234), (889, 18330), (910, 18390),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for TinaFeyge_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 118

Candidate Starts for TingHuaYa_23:

(Start: 118 @16454 has 152 MA's), (143, 16484), (Start: 246 @16643 has 1 MA's), (262, 16676), (263, 16679), (273, 16706), (288, 16751), (294, 16769), (317, 16841), (365, 16955), (369, 16964), (389, 17003), (406, 17051), (412, 17069), (413, 17072), (445, 17126), (459, 17144), (475, 17186), (477, 17192), (487, 17219), (509, 17255), (574, 17357), (582, 17375), (603, 17435), (614, 17465), (628, 17492), (669, 17597), (762, 17792), (773, 17822), (795, 17906), (811, 17957), (862, 18056), (864, 18065), (879, 18107), (889, 18152), (900, 18191), (901, 18194), (910, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 118

Candidate Starts for TiniBug_23:

(Start: 118 @17099 has 152 MA's), (143, 17129), (262, 17321), (273, 17351), (283, 17384), (288, 17396), (317, 17486), (335, 17528), (365, 17600), (369, 17609), (389, 17648), (405, 17693), (413, 17717), (459, 17789), (475, 17831), (477, 17837), (487, 17864), (574, 18002), (582, 18020), (597, 18062), (614, 18110), (628, 18137), (669, 18242), (715, 18332), (762, 18437), (773, 18467), (776, 18476), (795, 18551), (811, 18602), (889, 18797), (900, 18836), (901, 18839), (910, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 178

Candidate Starts for TinyDot_19:

(Start: 178 @15300 has 57 MA's), (263, 15420), (316, 15579), (333, 15621), (347, 15663), (388, 15753), (402, 15795), (405, 15801), (509, 15921), (530, 15993), (581, 16056), (626, 16146), (674, 16263), (766, 16446), (800, 16560), (809, 16590), (825, 16632), (864, 16734), (869, 16749),

Gene: TinyPebbles_29 Start: 20465, Stop: 22261, Start Num: 149

Candidate Starts for TinyPebbles_29:

(Start: 149 @20465 has 636 MA's), (Start: 195 @20522 has 1 MA's), (205, 20537), (231, 20570), (238, 20591), (245, 20606), (280, 20693), (284, 20705), (285, 20708), (315, 20783), (319, 20798), (335, 20834), (428, 21041), (487, 21155), (510, 21194), (542, 21281), (593, 21395), (601, 21419), (609, 21437), (653, 21518), (679, 21593), (684, 21611), (692, 21644), (697, 21650), (706, 21689), (730, 21743), (731, 21746), (744, 21767), (763, 21824), (813, 21992), (859, 22097), (861, 22103), (899, 22238),

Gene: TinyTimmy_28 Start: 20792, Stop: 22591, Start Num: 149

Candidate Starts for TinyTimmy_28:

(98, 20726), (Start: 128 @20768 has 37 MA's), (Start: 149 @20792 has 636 MA's), (188, 20834), (Start: 246 @20930 has 1 MA's), (255, 20945), (284, 21026), (285, 21029), (315, 21104), (319, 21119), (336, 21158), (339, 21164), (361, 21215), (389, 21275), (393, 21281), (428, 21362), (476, 21446), (526, 21572), (533, 21590), (550, 21617), (609, 21758), (648, 21824), (652, 21836), (653, 21839), (691, 21962), (712, 22028), (721, 22055), (736, 22085), (738, 22088), (747, 22109), (753, 22124), (761, 22148), (785, 22223), (788, 22238), (813, 22322), (859, 22427), (861, 22433), (876, 22487), (907, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 149

Candidate Starts for Tinybot_26:

(Start: 128 @19780 has 37 MA's), (Start: 149 @19804 has 636 MA's), (Start: 153 @19810 has 10 MA's), (Start: 195 @19864 has 1 MA's), (205, 19879), (238, 19933), (Start: 246 @19951 has 1 MA's), (280, 20035), (284, 20047), (285, 20050), (315, 20125), (319, 20140), (336, 20179), (389, 20296), (428, 20383), (472, 20464), (499, 20512), (510, 20536), (542, 20623), (560, 20668), (594, 20740), (601, 20761), (609, 20779), (653, 20860), (684, 20953), (686, 20962), (692, 20986), (697, 20992), (702, 21016), (731, 21070), (744, 21091), (761, 21142), (770, 21166), (813, 21316), (859, 21421), (862, 21436), (893, 21544), (899, 21562),

Gene: TipsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 149

Candidate Starts for TipsytheTRex_27:

(98, 19240), (Start: 128 @19282 has 37 MA's), (Start: 149 @19306 has 636 MA's), (255, 19459), (284, 19540), (285, 19543), (314, 19615), (315, 19618), (319, 19633), (336, 19672), (339, 19678), (373, 19756), (389, 19789), (393, 19795), (405, 19834), (428, 19876), (470, 19951), (472, 19957), (476, 19960), (506, 20020), (553, 20146), (593, 20230), (609, 20272), (639, 20323), (653, 20353), (692, 20479), (715, 20542), (747, 20614), (753, 20629), (761, 20653), (785, 20728), (788, 20743), (813, 20827), (859, 20932), (861, 20938), (872, 20983), (876, 20992),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 118

Candidate Starts for Tiri_23:

(Start: 118 @17160 has 152 MA's), (143, 17190), (Start: 246 @17349 has 1 MA's), (262, 17382), (273, 17412), (283, 17445), (288, 17457), (317, 17547), (335, 17589), (365, 17661), (369, 17670), (389, 17709), (405, 17754), (412, 17775), (413, 17778), (445, 17832), (459, 17850), (475, 17892), (477, 17898), (487, 17925), (574, 18063), (582, 18081), (597, 18123), (603, 18141), (614, 18171), (628, 18198), (669, 18303), (749, 18462), (762, 18498), (773, 18528), (776, 18537), (795, 18612), (811, 18663), (889, 18858), (900, 18897), (901, 18900), (910, 18918),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for TiroTheta9_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 149

Candidate Starts for Toaka_27:

(98, 19845), (Start: 128 @19887 has 37 MA's), (Start: 149 @19911 has 636 MA's), (284, 20145), (285, 20148), (314, 20220), (315, 20223), (336, 20277), (339, 20283), (389, 20394), (393, 20400), (428, 20481), (472, 20562), (476, 20565), (506, 20625), (510, 20634), (587, 20814), (594, 20838), (609, 20877), (639, 20928), (653, 20958), (706, 21129), (731, 21186), (736, 21195), (753, 21234), (761, 21258), (785, 21333), (797, 21378), (813, 21429), (842, 21495), (859, 21534), (861, 21540), (872, 21585), (889, 21642),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 215

Candidate Starts for Toast_19:

(4, 15693), (6, 15738), (7, 15762), (8, 15768), (9, 15876), (12, 15924), (17, 15996), (25, 16071), (35, 16209), (38, 16239), (39, 16245), (53, 16377), (59, 16434), (60, 16443), (114, 16602), (187, 16704), (Start: 215 @16740 has 57 MA's), (266, 16845), (296, 16923), (320, 16983), (326, 16995), (328,

16998), (410, 17196), (415, 17211), (472, 17295), (476, 17307), (479, 17316), (480, 17319), (488, 17340), (512, 17382), (521, 17412), (604, 17595), (612, 17619), (625, 17670), (643, 17703), (659, 17763), (664, 17775), (680, 17817), (713, 17835), (763, 17970), (792, 18069), (797, 18087), (813, 18138), (838, 18198), (842, 18204), (876, 18279),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Todacoro_28:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 102

Candidate Starts for Togo_31:

(85, 25808), (Start: 102 @25850 has 86 MA's), (Start: 126 @25886 has 1 MA's), (Start: 153 @25919 has 10 MA's), (274, 26129), (275, 26132), (284, 26162), (307, 26228), (315, 26252), (317, 26261), (332, 26294), (399, 26447), (416, 26486), (453, 26537), (460, 26549), (467, 26567), (471, 26579), (475, 26591), (480, 26606), (496, 26636), (499, 26639), (509, 26660), (554, 26732), (579, 26780), (620, 26891), (649, 26924), (660, 26963), (663, 26966), (686, 27038), (715, 27104), (719, 27116), (795, 27287), (796, 27290), (811, 27338), (824, 27365), (833, 27392), (835, 27398), (859, 27446), (890, 27563), (896, 27584), (907, 27611),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 149

Candidate Starts for Tolls_20:

(Start: 139 @15398 has 9 MA's), (Start: 149 @15401 has 636 MA's), (226, 15503), (Start: 233 @15515 has 2 MA's), (274, 15611), (302, 15695), (335, 15785), (361, 15845), (373, 15872), (388, 15902), (389, 15905), (416, 15974), (441, 16007), (449, 16019), (451, 16022), (461, 16043), (463, 16046), (487, 16112), (496, 16124), (584, 16289), (653, 16439), (657, 16454), (664, 16472), (684, 16529), (753, 16670), (755, 16676), (760, 16688), (769, 16697), (794, 16769), (795, 16772), (797, 16778), (801, 16790), (842, 16895), (847, 16904), (861, 16937),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 137

Candidate Starts for TomBrady_18:

(Start: 111 @16641 has 26 MA's), (Start: 137 @16650 has 56 MA's), (143, 16656), (147, 16662), (238, 16794), (262, 16845), (273, 16875), (280, 16899), (315, 17001), (331, 17040), (333, 17046), (339, 17061), (358, 17106), (408, 17226), (429, 17283), (459, 17322), (477, 17370), (487, 17397), (496, 17409), (532, 17490), (574, 17535), (653, 17733), (662, 17763), (669, 17781), (679, 17808), (722, 17892), (735, 17910), (745, 17925), (761, 17973), (765, 17988), (786, 18051), (801, 18108), (813, 18147), (831, 18189), (862, 18240), (889, 18336), (910, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 134

Candidate Starts for Tomaszewski_23:

(Start: 134 @19346 has 130 MA's), (Start: 196 @19430 has 48 MA's), (Start: 246 @19508 has 1 MA's), (280, 19595), (286, 19610), (305, 19658), (320, 19697), (361, 19784), (377, 19817), (394, 19853), (402, 19883), (405, 19889), (458, 19958), (477, 19988), (481, 20000), (482, 20003), (512, 20060), (575, 20192), (578, 20198), (602, 20264), (604, 20270), (612, 20294), (628, 20342), (642, 20366), (647, 20375), (672, 20450), (721, 20501), (726, 20516), (786, 20678), (792, 20705), (801, 20735), (843, 20840), (879, 20918), (886, 20954), (889, 20963), (899, 20996), (906, 21011),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for Tomathan_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 149

Candidate Starts for ToneTone_29:

(98, 19837), (Start: 128 @19879 has 37 MA's), (Start: 149 @19903 has 636 MA's), (285, 20140), (314, 20212), (315, 20215), (319, 20230), (336, 20269), (339, 20275), (389, 20386), (393, 20392), (405, 20431), (428, 20473), (455, 20512), (472, 20554), (476, 20557), (542, 20713), (603, 20854), (609, 20869), (697, 21082), (744, 21181), (753, 21208), (771, 21259), (774, 21268), (785, 21307), (788, 21322), (813, 21406), (859, 21511), (861, 21517), (899, 21652),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 150

Candidate Starts for Toniann_48:

(Start: 150 @29557 has 17 MA's), (192, 29617), (Start: 214 @29650 has 22 MA's), (234, 29683), (283, 29809), (294, 29842), (299, 29851), (353, 29980), (375, 30028), (512, 30241), (514, 30247), (521, 30271), (587, 30400), (593, 30421), (604, 30454), (672, 30652), (763, 30805), (792, 30904), (795, 30916), (798, 30925), (829, 31009), (887, 31156), (897, 31192), (901, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for TootsiePop_17:

(Start: 129 @14677 has 222 MA's), (199, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (283, 14938), (286, 14944), (292, 14962), (297, 14971), (305, 14992), (350, 15097), (379, 15157), (383, 15166), (389, 15178), (394, 15187), (401, 15211), (413, 15247), (415, 15253), (427, 15265), (453, 15286), (455, 15289), (460, 15298), (467, 15313), (469, 15319), (475, 15337), (480, 15352), (482, 15358), (490, 15376), (493, 15379), (504, 15394), (511, 15409), (512, 15415), (526, 15463), (531, 15475), (535, 15481), (574, 15541), (579, 15553), (583, 15562), (593, 15589), (597, 15601), (604, 15622), (624, 15676), (628, 15685), (642, 15709), (652, 15739), (718, 15844), (722, 15856), (738, 15892), (766, 15970), (794, 16069), (801, 16090), (811, 16123), (826, 16153), (835, 16183), (839, 16189), (841, 16192), (844, 16198), (859, 16213), (860, 16216), (864, 16237), (881, 16282), (899, 16354), (900, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 129

Candidate Starts for Tootsieroll_17:

(Start: 129 @14648 has 222 MA's), (199, 14735), (Start: 233 @14780 has 2 MA's), (242, 14804), (265, 14861), (283, 14909), (286, 14915), (292, 14933), (305, 14963), (350, 15068), (379, 15128), (383, 15137), (394, 15158), (401, 15182), (413, 15218), (415, 15224), (453, 15257), (455, 15260), (460, 15269), (467, 15284), (469, 15290), (475, 15308), (480, 15323), (482, 15329), (490, 15347), (493, 15350), (504, 15365), (506, 15368), (511, 15380), (512, 15386), (526, 15434), (531, 15446), (535, 15452), (574, 15512), (579, 15524), (593, 15560), (597, 15572), (624, 15647), (628, 15656), (638, 15674), (642, 15680), (652, 15710), (718, 15815), (721, 15824), (722, 15827), (738, 15863), (766, 15941), (794, 16040), (801, 16061), (811, 16094), (826, 16124), (835, 16154), (841, 16163), (844, 16169), (859, 16184), (860, 16187), (865, 16211), (876, 16241), (881, 16253), (886, 16283), (899, 16325),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 149

Candidate Starts for Topanga_27:

(Start: 149 @19924 has 636 MA's), (Start: 195 @19981 has 1 MA's), (205, 19996), (231, 20029), (238, 20050), (280, 20152), (284, 20164), (285, 20167), (315, 20242), (319, 20257), (336, 20296), (389, 20413), (397, 20431), (428, 20500), (470, 20575), (487, 20614), (510, 20653), (542, 20740), (560,

20785), (593, 20854), (601, 20878), (606, 20890), (609, 20896), (653, 20977), (684, 21070), (686, 21079), (692, 21103), (697, 21109), (700, 21124), (718, 21157), (744, 21208), (749, 21226), (792, 21364), (795, 21376), (813, 21433), (826, 21457), (828, 21463), (859, 21538), (861, 21544), (862, 21553), (879, 21604), (899, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 151

Candidate Starts for Topgun_27:

(Start: 151 @20974 has 225 MA's), (Start: 167 @20995 has 5 MA's), (Start: 195 @21037 has 1 MA's), (228, 21082), (315, 21298), (333, 21343), (336, 21352), (377, 21442), (378, 21445), (476, 21640), (510, 21709), (589, 21898), (593, 21910), (594, 21913), (601, 21934), (652, 22030), (653, 22033), (655, 22039), (679, 22108), (684, 22126), (686, 22135), (697, 22165), (731, 22261), (747, 22294), (753, 22309), (763, 22339), (795, 22450), (813, 22507), (861, 22618),

Gene: Topiatin_18 Start: 15507, Stop: 17216, Start Num: 129

Candidate Starts for Topiatin_18:

(Start: 129 @15507 has 222 MA's), (199, 15594), (Start: 233 @15639 has 2 MA's), (242, 15663), (283, 15768), (286, 15774), (292, 15792), (305, 15822), (350, 15927), (379, 15987), (389, 16008), (394, 16017), (401, 16041), (453, 16116), (475, 16167), (480, 16182), (482, 16188), (504, 16224), (506, 16227), (511, 16239), (512, 16245), (526, 16293), (531, 16305), (535, 16311), (574, 16371), (579, 16383), (593, 16419), (597, 16431), (624, 16506), (628, 16515), (638, 16533), (642, 16539), (652, 16569), (718, 16674), (721, 16683), (722, 16686), (738, 16722), (763, 16788), (766, 16800), (794, 16899), (801, 16920), (811, 16953), (826, 16983), (835, 17013), (841, 17022), (844, 17028), (859, 17043), (860, 17046), (865, 17070), (876, 17100), (881, 17112), (886, 17142), (899, 17184),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Topper_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: Toro_30 Start: 22924, Stop: 24726, Start Num: 149

Candidate Starts for Toro_30:

(Start: 138 @22912 has 1 MA's), (Start: 149 @22924 has 636 MA's), (Start: 195 @22972 has 1 MA's), (207, 22990), (284, 23155), (285, 23158), (315, 23233), (319, 23248), (336, 23287), (393, 23410), (395, 23416), (405, 23449), (428, 23491), (506, 23635), (554, 23761), (593, 23842), (609, 23884), (633, 23932), (652, 23980), (653, 23983), (679, 24058), (684, 24076), (686, 24085), (692, 24109), (697, 24115), (730, 24208), (731, 24211), (747, 24244), (753, 24259), (795, 24400), (850, 24538), (859, 24562), (861, 24568), (890, 24673),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Torres_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 122

Candidate Starts for Tortellini_18:

(Start: 122 @15988 has 48 MA's), (185, 16072), (225, 16123), (227, 16126), (Start: 233 @16135 has 2 MA's), (260, 16192), (265, 16213), (284, 16264), (294, 16288), (299, 16297), (344, 16408), (361, 16447), (405, 16555), (409, 16567), (455, 16621), (458, 16624), (473, 16663), (475, 16669), (482, 16690), (483, 16693), (512, 16747), (518, 16768), (569, 16873), (583, 16906), (597, 16945), (609, 16978), (628, 17044), (642, 17068), (650, 17092), (660, 17122), (667, 17134), (733, 17236), (741, 17248), (746, 17257), (748, 17266), (781, 17365), (784, 17374), (807, 17458), (852, 17557), (899, 17698), (906, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Tortoise12_18:

(Start: 134 @14989 has 130 MA's), (155, 15016), (Start: 233 @15121 has 2 MA's), (237, 15133), (254, 15169), (274, 15220), (283, 15250), (286, 15256), (297, 15283), (301, 15289), (350, 15409), (376, 15463), (379, 15469), (388, 15487), (394, 15499), (395, 15502), (401, 15523), (415, 15565), (453, 15598), (475, 15649), (480, 15664), (504, 15706), (511, 15721), (512, 15727), (526, 15775), (539, 15799), (554, 15829), (574, 15853), (597, 15913), (601, 15925), (618, 15979), (624, 15988), (651, 16048), (652, 16051), (718, 16156), (721, 16165), (738, 16204), (785, 16342), (834, 16492), (835, 16495), (841, 16504), (859, 16525), (865, 16552), (879, 16588), (906, 16681),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 151

Candidate Starts for Tote_29:

(Start: 151 @21585 has 225 MA's), (Start: 167 @21606 has 5 MA's), (Start: 195 @21648 has 1 MA's), (228, 21693), (315, 21909), (333, 21954), (336, 21963), (353, 22002), (377, 22053), (378, 22056), (476, 22251), (510, 22320), (593, 22521), (594, 22524), (601, 22545), (652, 22641), (653, 22644), (655, 22650), (679, 22719), (684, 22737), (686, 22746), (697, 22776), (731, 22872), (747, 22905), (753, 22920), (795, 23061), (813, 23118), (861, 23229),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Totinger_17:

(Start: 129 @14596 has 222 MA's), (199, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (283, 14857), (286, 14863), (292, 14881), (305, 14911), (350, 15016), (379, 15076), (388, 15094), (389, 15097), (394, 15106), (401, 15130), (475, 15256), (480, 15271), (482, 15277), (504, 15313), (506, 15316), (511, 15328), (512, 15334), (526, 15382), (531, 15394), (535, 15400), (574, 15460), (579, 15472), (593, 15508), (597, 15520), (624, 15595), (628, 15604), (638, 15622), (642, 15628), (652, 15658), (718, 15763), (722, 15775), (738, 15811), (766, 15889), (801, 16009), (811, 16042), (826, 16072), (829, 16084), (835, 16102), (839, 16108), (841, 16111), (844, 16117), (859, 16132), (860, 16135), (864, 16156), (865, 16159), (881, 16201), (886, 16231), (899, 16273), (900, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 196

Candidate Starts for Toto_24:

(Start: 134 @19746 has 130 MA's), (Start: 196 @19830 has 48 MA's), (Start: 246 @19908 has 1 MA's), (280, 19995), (286, 20010), (305, 20058), (320, 20097), (361, 20184), (377, 20217), (394, 20253), (402, 20283), (405, 20289), (458, 20358), (477, 20388), (481, 20400), (482, 20403), (512, 20460), (575, 20592), (578, 20598), (602, 20664), (604, 20670), (612, 20694), (628, 20742), (642, 20766), (647, 20775), (672, 20850), (721, 20901), (726, 20916), (786, 21078), (792, 21105), (801, 21135), (843, 21240), (879, 21318), (886, 21354), (889, 21363), (899, 21396), (906, 21411),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 151

Candidate Starts for TouchMeNot_19:

(Start: 151 @17425 has 225 MA's), (Start: 174 @17458 has 9 MA's), (304, 17716), (333, 17794), (388, 17917), (393, 17926), (394, 17929), (397, 17938), (399, 17947), (476, 18088), (480, 18100), (509, 18154), (585, 18289), (597, 18322), (604, 18340), (609, 18352), (615, 18367), (652, 18427), (658, 18448), (660, 18457), (684, 18523), (692, 18556), (718, 18586), (720, 18592), (721, 18595), (753,

18664), (794, 18763), (797, 18772), (860, 18928), (862, 18940),

Gene: Towmatter_28 Start: 25303, Stop: 27189, Start Num: 152

Candidate Starts for Towmatter_28:

(Start: 152 @25303 has 5 MA's), (231, 25414), (254, 25465), (272, 25513), (317, 25645), (353, 25720), (375, 25768), (408, 25852), (430, 25990), (466, 26089), (509, 26182), (512, 26194), (514, 26200), (521, 26224), (535, 26260), (539, 26266), (597, 26386), (609, 26419), (612, 26431), (638, 26491), (672, 26593), (718, 26635), (726, 26659), (776, 26782), (795, 26857), (801, 26875), (848, 26989), (911, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 134

Candidate Starts for Traaww1_22:

(Start: 134 @19391 has 130 MA's), (Start: 196 @19475 has 48 MA's), (Start: 246 @19553 has 1 MA's), (280, 19640), (286, 19655), (305, 19703), (320, 19742), (361, 19829), (365, 19841), (377, 19862), (394, 19898), (402, 19928), (405, 19934), (458, 20003), (477, 20033), (481, 20045), (482, 20048), (512, 20105), (575, 20237), (578, 20243), (602, 20309), (604, 20315), (612, 20339), (628, 20387), (642, 20411), (647, 20420), (672, 20495), (721, 20546), (726, 20561), (786, 20723), (792, 20750), (801, 20780), (843, 20885), (879, 20963), (886, 20999), (889, 21008), (899, 21041), (906, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 170

Candidate Starts for Tracker_41:

(Start: 170 @29603 has 41 MA's), (Start: 200 @29639 has 1 MA's), (212, 29657), (Start: 246 @29717 has 1 MA's), (338, 29957), (343, 29969), (347, 29984), (381, 30050), (388, 30065), (399, 30089), (400, 30092), (435, 30176), (454, 30206), (456, 30209), (497, 30257), (501, 30266), (518, 30314), (519, 30317), (525, 30338), (587, 30443), (602, 30488), (626, 30530), (717, 30704), (727, 30734), (731, 30740), (779, 30848), (780, 30851), (801, 30926), (886, 31145), (905, 31202),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 151

Candidate Starts for Traft412_29:

(Start: 151 @22064 has 225 MA's), (Start: 167 @22085 has 5 MA's), (Start: 195 @22127 has 1 MA's), (228, 22172), (315, 22388), (333, 22433), (336, 22442), (353, 22481), (377, 22532), (378, 22535), (476, 22730), (510, 22799), (593, 23000), (594, 23003), (601, 23024), (652, 23120), (653, 23123), (655, 23129), (679, 23198), (684, 23216), (686, 23225), (697, 23255), (731, 23351), (747, 23384), (753, 23399), (795, 23540), (813, 23597), (861, 23708), (907, 23861),

Gene: Travvers_31 Start: 20049, Stop: 21839, Start Num: 149

Candidate Starts for Travvers_31:

(98, 19983), (Start: 128 @20025 has 37 MA's), (Start: 149 @20049 has 636 MA's), (284, 20283), (285, 20286), (314, 20358), (315, 20361), (319, 20376), (336, 20415), (339, 20421), (389, 20532), (397, 20550), (428, 20619), (472, 20700), (476, 20703), (542, 20859), (553, 20889), (653, 21096), (692, 21222), (731, 21324), (747, 21357), (753, 21372), (761, 21396), (785, 21471), (786, 21474), (788, 21486), (813, 21570), (849, 21648), (859, 21675), (861, 21681), (872, 21726), (876, 21735), (899, 21816),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 151

Candidate Starts for Treddle_29:

(Start: 151 @22354 has 225 MA's), (Start: 167 @22375 has 5 MA's), (Start: 195 @22417 has 1 MA's), (228, 22462), (315, 22678), (333, 22723), (336, 22732), (353, 22771), (377, 22822), (378, 22825), (416, 22918), (476, 23020), (510, 23089), (593, 23290), (594, 23293), (601, 23314), (652, 23410), (653, 23413), (655, 23419), (679, 23488), (684, 23506), (686, 23515), (697, 23545), (731, 23641), (747, 23674), (753, 23689), (795, 23830), (813, 23887), (861, 23998),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for TreyKay_23:

(Start: 118 @17122 has 152 MA's), (143, 17152), (Start: 246 @17311 has 1 MA's), (262, 17344), (273, 17374), (283, 17407), (288, 17419), (317, 17509), (335, 17551), (362, 17614), (365, 17623), (369, 17632), (389, 17671), (405, 17716), (412, 17737), (413, 17740), (459, 17812), (475, 17854), (477, 17860), (487, 17887), (574, 18025), (582, 18043), (597, 18085), (603, 18103), (614, 18133), (628, 18160), (669, 18265), (749, 18424), (762, 18460), (773, 18490), (776, 18499), (795, 18574), (811, 18625), (889, 18820), (900, 18859), (901, 18862), (910, 18880),

Gene: TribelTrouble_21 Start: 17403, Stop: 19166, Start Num: 118

Candidate Starts for TribelTrouble_21:

(Start: 111 @17394 has 26 MA's), (Start: 118 @17403 has 152 MA's), (205, 17508), (238, 17562), (262, 17613), (273, 17643), (280, 17667), (365, 17898), (369, 17907), (377, 17919), (405, 17991), (406, 17994), (408, 18000), (412, 18012), (413, 18015), (459, 18087), (463, 18096), (475, 18129), (477, 18135), (496, 18174), (512, 18210), (598, 18363), (609, 18393), (635, 18450), (669, 18543), (686, 18597), (749, 18699), (761, 18732), (765, 18747), (775, 18771), (782, 18798), (797, 18855), (811, 18900), (862, 19002), (895, 19119), (900, 19137), (903, 19143), (910, 19158),

Gene: Trice_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Trice_19:

(Start: 118 @16697 has 152 MA's), (Start: 121 @16703 has 18 MA's), (143, 16727), (Start: 233 @16853 has 2 MA's), (238, 16868), (Start: 246 @16886 has 1 MA's), (273, 16949), (317, 17084), (319, 17090), (365, 17198), (369, 17207), (412, 17312), (455, 17381), (459, 17387), (473, 17423), (477, 17435), (509, 17498), (574, 17600), (582, 17618), (597, 17660), (598, 17663), (647, 17768), (669, 17840), (721, 17948), (723, 17954), (749, 17999), (768, 18053), (776, 18074), (795, 18149), (811, 18200), (862, 18299), (866, 18314), (879, 18350), (889, 18395), (900, 18434), (901, 18437), (910, 18455),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 149

Candidate Starts for Trike_25:

(Start: 128 @17872 has 37 MA's), (Start: 149 @17896 has 636 MA's), (Start: 195 @17953 has 1 MA's), (205, 17968), (238, 18022), (284, 18136), (285, 18139), (315, 18214), (331, 18253), (389, 18385), (428, 18472), (470, 18547), (487, 18586), (510, 18625), (542, 18712), (560, 18757), (593, 18826), (601, 18850), (606, 18862), (609, 18868), (684, 19042), (686, 19051), (692, 19075), (697, 19081), (700, 19096), (718, 19129), (744, 19180), (763, 19237), (764, 19243), (813, 19405), (859, 19510), (861, 19516), (862, 19525), (899, 19651),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 210

Candidate Starts for Trine_18:

(Start: 210 @14775 has 1 MA's), (271, 14901), (327, 15048), (404, 15222), (470, 15339), (509, 15420), (551, 15525), (579, 15576), (594, 15615), (601, 15636), (649, 15750), (650, 15753), (671, 15813), (678, 15825), (679, 15828), (718, 15855), (773, 15996), (777, 16011), (835, 16191), (861, 16221), (881, 16287), (890, 16329), (906, 16374),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 151

Candidate Starts for Tripl3t_28:

(Start: 151 @21973 has 225 MA's), (Start: 167 @21994 has 5 MA's), (Start: 195 @22036 has 1 MA's), (228, 22081), (315, 22297), (333, 22342), (336, 22351), (353, 22390), (377, 22441), (378, 22444), (476, 22639), (510, 22708), (593, 22909), (594, 22912), (601, 22933), (652, 23029), (653, 23032), (655, 23038), (679, 23107), (684, 23125), (686, 23134), (697, 23164), (731, 23260), (747, 23293), (753, 23308), (795, 23449), (813, 23506), (861, 23617),

Gene: Tristan_29 Start: 21808, Stop: 23580, Start Num: 149

Candidate Starts for Tristan_29:

(Start: 128 @21784 has 37 MA's), (Start: 149 @21808 has 636 MA's), (245, 21943), (255, 21961), (284, 22042), (285, 22045), (314, 22117), (315, 22120), (361, 22231), (373, 22258), (389, 22291), (405, 22336), (428, 22378), (476, 22462), (542, 22618), (554, 22651), (648, 22840), (653, 22855), (692, 22981), (697, 22987), (718, 23035), (747, 23098), (753, 23113), (755, 23119), (774, 23173), (785, 23212), (788, 23227), (813, 23311), (859, 23416), (861, 23422), (864, 23440), (872, 23467),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 149

Candidate Starts for Trixie_31:

(98, 21789), (Start: 128 @21831 has 37 MA's), (Start: 149 @21855 has 636 MA's), (265, 22038), (284, 22089), (285, 22092), (314, 22164), (315, 22167), (336, 22221), (339, 22227), (353, 22260), (373, 22305), (389, 22338), (428, 22425), (472, 22506), (476, 22509), (487, 22539), (553, 22695), (593, 22779), (594, 22782), (609, 22821), (648, 22887), (653, 22902), (697, 23034), (718, 23082), (731, 23112), (753, 23160), (755, 23166), (774, 23220), (788, 23274), (813, 23358), (842, 23424), (849, 23436), (859, 23463), (861, 23469),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 149

Candidate Starts for Troje_18:

(119, 15332), (Start: 139 @15359 has 9 MA's), (Start: 149 @15362 has 636 MA's), (274, 15572), (333, 15740), (335, 15746), (384, 15854), (398, 15890), (408, 15920), (416, 15935), (441, 15968), (449, 15980), (467, 16016), (487, 16073), (496, 16085), (560, 16205), (572, 16226), (584, 16250), (653, 16400), (657, 16415), (664, 16433), (684, 16490), (748, 16619), (753, 16631), (760, 16649), (769, 16658), (794, 16730), (795, 16733), (797, 16739), (801, 16751), (842, 16856), (847, 16865), (861, 16898), (895, 17024),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 149

Candidate Starts for Trooper_28:

(98, 19942), (Start: 128 @19984 has 37 MA's), (Start: 149 @20008 has 636 MA's), (255, 20161), (284, 20242), (285, 20245), (314, 20317), (315, 20320), (336, 20374), (389, 20491), (428, 20578), (472, 20659), (476, 20662), (553, 20848), (594, 20935), (609, 20974), (653, 21055), (692, 21181), (697, 21187), (753, 21313), (755, 21319), (785, 21412), (788, 21427), (813, 21511), (861, 21622), (876, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 151

Candidate Starts for Trouble_28:

(Start: 151 @21920 has 225 MA's), (Start: 167 @21941 has 5 MA's), (Start: 195 @21983 has 1 MA's), (228, 22028), (315, 22244), (333, 22289), (336, 22298), (353, 22337), (377, 22388), (378, 22391), (476, 22586), (510, 22655), (593, 22856), (594, 22859), (601, 22880), (652, 22976), (653, 22979), (655, 22985), (684, 23072), (686, 23081), (697, 23111), (731, 23207), (747, 23240), (753, 23255), (795, 23396), (813, 23453), (861, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 123

Candidate Starts for Troy_17:

(Start: 123 @16284 has 8 MA's), (142, 16305), (204, 16389), (223, 16416), (228, 16422), (282, 16554), (304, 16605), (315, 16638), (317, 16647), (377, 16782), (393, 16815), (398, 16833), (424, 16887), (455, 16932), (480, 16989), (484, 17001), (508, 17040), (546, 17091), (550, 17100), (555, 17121), (589, 17187), (628, 17277), (675, 17385), (690, 17439), (692, 17445), (699, 17463), (756, 17559), (770, 17580), (788, 17625), (845, 17784), (854, 17799), (860, 17814), (862, 17826), (906, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for TroyPia_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055),

(284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (401, 20349), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 118

Candidate Starts for TruffulaTree_23:

(Start: 118 @17151 has 152 MA's), (143, 17181), (Start: 246 @17340 has 1 MA's), (262, 17373), (273, 17403), (283, 17436), (288, 17448), (317, 17538), (335, 17580), (365, 17652), (369, 17661), (389, 17700), (405, 17745), (412, 17766), (413, 17769), (445, 17823), (459, 17841), (475, 17883), (477, 17889), (487, 17916), (574, 18054), (582, 18072), (597, 18114), (603, 18132), (614, 18162), (628, 18189), (669, 18294), (749, 18453), (762, 18489), (773, 18519), (776, 18528), (795, 18603), (811, 18654), (862, 18753), (889, 18849), (900, 18888), (901, 18891), (910, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Trumpet_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 149

Candidate Starts for Tubs_30:

(Start: 146 @21746 has 12 MA's), (Start: 149 @21749 has 636 MA's), (284, 21983), (285, 21986), (314, 22058), (315, 22061), (319, 22076), (336, 22115), (339, 22121), (389, 22232), (428, 22319), (472, 22400), (476, 22403), (553, 22589), (587, 22652), (594, 22676), (596, 22682), (609, 22715), (653, 22796), (692, 22922), (705, 22964), (706, 22967), (731, 23024), (747, 23057), (753, 23072), (785, 23171), (786, 23174), (788, 23186), (813, 23270), (842, 23336), (859, 23375), (861, 23381), (872, 23426), (889, 23483), (890, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 149

Candidate Starts for Tucker_31:

(98, 19923), (Start: 128 @19965 has 37 MA's), (Start: 149 @19989 has 636 MA's), (285, 20226), (314, 20298), (315, 20301), (319, 20316), (336, 20355), (339, 20361), (389, 20472), (393, 20478), (405, 20517), (428, 20559), (455, 20598), (472, 20640), (476, 20643), (542, 20799), (603, 20940), (609, 20955), (697, 21168), (744, 21267), (753, 21294), (771, 21345), (774, 21354), (785, 21393), (788, 21408), (813, 21492), (859, 21597), (861, 21603), (899, 21738),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 134

Candidate Starts for Tuco_25:

(Start: 134 @20261 has 130 MA's), (Start: 196 @20345 has 48 MA's), (Start: 246 @20423 has 1 MA's), (280, 20510), (286, 20525), (305, 20573), (320, 20612), (361, 20699), (377, 20732), (394, 20768), (402, 20798), (405, 20804), (458, 20873), (477, 20903), (481, 20915), (482, 20918), (512, 20975), (575, 21107), (578, 21113), (602, 21179), (604, 21185), (612, 21209), (628, 21257), (642, 21281), (647, 21290), (672, 21365), (721, 21416), (726, 21431), (786, 21593), (792, 21620), (801, 21650), (843, 21755), (879, 21833), (886, 21869), (889, 21878), (899, 21911), (906, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for TuertoX_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526,

15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 149

Candidate Starts for Turbido_30:

(Start: 128 @20671 has 37 MA's), (Start: 149 @20695 has 636 MA's), (231, 20794), (265, 20878), (284, 20929), (285, 20932), (314, 21004), (315, 21007), (336, 21061), (353, 21100), (389, 21178), (428, 21265), (472, 21346), (476, 21349), (553, 21535), (594, 21622), (648, 21727), (653, 21742), (692, 21868), (697, 21874), (718, 21922), (753, 22000), (755, 22006), (774, 22060), (785, 22099), (788, 22114), (813, 22198), (861, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 151

Candidate Starts for Turj99_26:

(Start: 151 @20860 has 225 MA's), (Start: 167 @20881 has 5 MA's), (Start: 195 @20923 has 1 MA's), (228, 20968), (315, 21184), (333, 21229), (336, 21238), (353, 21277), (377, 21328), (378, 21331), (476, 21526), (510, 21595), (593, 21796), (594, 21799), (601, 21820), (652, 21916), (653, 21919), (655, 21925), (684, 22012), (686, 22021), (697, 22051), (731, 22147), (747, 22180), (753, 22195), (795, 22336), (813, 22393), (861, 22504),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 170

Candidate Starts for Turuncu_45:

(Start: 170 @30900 has 41 MA's), (Start: 179 @30915 has 33 MA's), (Start: 200 @30936 has 1 MA's), (Start: 246 @31014 has 1 MA's), (291, 31152), (347, 31281), (363, 31311), (377, 31338), (381, 31347), (388, 31362), (435, 31473), (454, 31503), (456, 31506), (501, 31563), (603, 31788), (626, 31827), (652, 31875), (717, 32001), (731, 32037), (763, 32094), (780, 32148), (801, 32223), (862, 32355), (884, 32430), (886, 32442), (890, 32454), (892, 32463), (905, 32499),

Gene: Tuti_20 Start: 17709, Stop: 19289, Start Num: 178

Candidate Starts for Tuti_20:

(96, 17592), (Start: 178 @17709 has 57 MA's), (243, 17793), (268, 17853), (315, 17985), (316, 17988), (338, 18042), (356, 18081), (378, 18138), (388, 18159), (424, 18261), (510, 18330), (515, 18348), (522, 18372), (528, 18393), (568, 18435), (602, 18516), (653, 18606), (685, 18708), (730, 18765), (766, 18855), (862, 19134), (864, 19143), (873, 19173),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 129

Candidate Starts for Tweety_16:

(Start: 129 @14860 has 222 MA's), (199, 14947), (Start: 233 @14992 has 2 MA's), (242, 15016), (283, 15121), (286, 15127), (292, 15145), (305, 15175), (350, 15280), (379, 15340), (389, 15361), (394, 15370), (401, 15394), (475, 15520), (480, 15535), (482, 15541), (504, 15577), (506, 15580), (511, 15592), (512, 15598), (526, 15646), (531, 15658), (535, 15664), (574, 15724), (579, 15736), (593, 15772), (597, 15784), (624, 15859), (628, 15868), (638, 15886), (642, 15892), (652, 15922), (718, 16027), (721, 16036), (722, 16039), (738, 16075), (766, 16153), (794, 16252), (801, 16273), (811, 16306), (826, 16336), (835, 16366), (841, 16375), (844, 16381), (859, 16396), (860, 16399), (865, 16423), (876, 16453), (881, 16465), (886, 16495), (899, 16537),

Gene: Twigg_24 Start: 19629, Stop: 21425, Start Num: 149

Candidate Starts for Twigg_24:

(Start: 149 @19629 has 636 MA's), (Start: 233 @19734 has 2 MA's), (Start: 246 @19767 has 1 MA's), (285, 19866), (315, 19941), (319, 19956), (335, 19992), (366, 20064), (373, 20079), (393, 20118), (401, 20145), (433, 20205), (506, 20343), (509, 20349), (560, 20484), (589, 20541), (590, 20544), (593, 20553), (609, 20595), (615, 20613), (652, 20673), (653, 20676), (684, 20769), (686, 20778), (692, 20802), (730, 20910), (747, 20946), (813, 21156), (858, 21258), (861, 21267), (892, 21381),

(899, 21402), (901, 21411),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 178

Candidate Starts for Twinkle_20:

(96, 18844), (Start: 178 @18961 has 57 MA's), (308, 19219), (316, 19240), (338, 19294), (356, 19333), (378, 19390), (388, 19411), (510, 19582), (515, 19600), (522, 19624), (528, 19645), (568, 19687), (602, 19768), (653, 19858), (669, 19909), (685, 19960), (686, 19963), (730, 20017), (766, 20107), (862, 20386), (864, 20395), (873, 20425),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 149

Candidate Starts for Twister_27:

(Start: 149 @19820 has 636 MA's), (Start: 195 @19877 has 1 MA's), (205, 19892), (231, 19925), (238, 19946), (280, 20048), (284, 20060), (285, 20063), (315, 20138), (319, 20153), (336, 20192), (389, 20309), (397, 20327), (428, 20396), (470, 20471), (487, 20510), (510, 20549), (542, 20636), (560, 20681), (593, 20750), (601, 20774), (606, 20786), (609, 20792), (653, 20873), (684, 20966), (686, 20975), (692, 20999), (697, 21005), (700, 21020), (718, 21053), (744, 21104), (749, 21122), (763, 21161), (792, 21260), (813, 21329), (826, 21353), (828, 21359), (859, 21434), (861, 21440), (862, 21449), (879, 21500), (899, 21575),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 102

Candidate Starts for Twister6_33:

(85, 26244), (Start: 102 @26286 has 86 MA's), (Start: 126 @26322 has 1 MA's), (Start: 153 @26355 has 10 MA's), (274, 26565), (275, 26568), (284, 26598), (307, 26664), (315, 26688), (317, 26697), (332, 26730), (399, 26883), (416, 26922), (453, 26973), (460, 26985), (467, 27003), (471, 27015), (475, 27027), (480, 27042), (496, 27072), (499, 27075), (509, 27096), (554, 27168), (579, 27216), (620, 27327), (649, 27360), (660, 27399), (663, 27402), (686, 27474), (715, 27540), (719, 27552), (795, 27723), (799, 27735), (801, 27741), (811, 27774), (824, 27801), (833, 27828), (859, 27882), (890, 27999), (896, 28020), (907, 28047),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Twitch_23:

(Start: 118 @17188 has 152 MA's), (143, 17218), (Start: 246 @17377 has 1 MA's), (262, 17410), (273, 17440), (283, 17473), (288, 17485), (317, 17575), (335, 17617), (365, 17689), (369, 17698), (389, 17737), (405, 17782), (412, 17803), (413, 17806), (445, 17860), (459, 17878), (475, 17920), (477, 17926), (487, 17953), (574, 18091), (582, 18109), (597, 18151), (603, 18169), (614, 18199), (628, 18226), (669, 18331), (749, 18490), (762, 18526), (773, 18556), (776, 18565), (795, 18640), (811, 18691), (889, 18886), (900, 18925), (901, 18928), (910, 18946),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 151

Candidate Starts for TwoPeat_28:

(Start: 151 @21384 has 225 MA's), (Start: 167 @21405 has 5 MA's), (Start: 195 @21447 has 1 MA's), (228, 21492), (315, 21708), (333, 21753), (336, 21762), (353, 21801), (377, 21852), (378, 21855), (476, 22050), (510, 22119), (593, 22320), (594, 22323), (601, 22344), (652, 22440), (653, 22443), (655, 22449), (679, 22518), (684, 22536), (686, 22545), (697, 22575), (731, 22671), (747, 22704), (753, 22719), (795, 22860), (813, 22917), (861, 23028),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 215

Candidate Starts for Twonlo_30:

(Start: 215 @27002 has 57 MA's), (232, 27023), (261, 27086), (305, 27209), (310, 27221), (333, 27278), (370, 27356), (419, 27479), (483, 27593), (502, 27623), (517, 27665), (545, 27728), (574, 27776), (578, 27785), (597, 27836), (614, 27884), (678, 28049), (718, 28079), (761, 28187), (762, 28190), (777, 28235), (790, 28292), (792, 28298), (793, 28304), (808, 28352), (811, 28361), (813, 28367), (815, 28370), (835, 28421), (862, 28466), (882, 28535), (895, 28583), (899, 28595),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 102

Candidate Starts for Tycho_34:

(Start: 102 @29613 has 86 MA's), (Start: 126 @29649 has 1 MA's), (223, 29778), (231, 29787), (240, 29811), (272, 29883), (275, 29892), (297, 29961), (315, 30012), (333, 30057), (339, 30072), (345, 30090), (377, 30153), (397, 30198), (399, 30207), (467, 30327), (472, 30342), (475, 30351), (480, 30366), (496, 30396), (609, 30618), (616, 30636), (620, 30651), (652, 30693), (653, 30696), (660, 30723), (703, 30843), (749, 30936), (795, 31047), (796, 31050), (811, 31098), (824, 31125), (833, 31152), (859, 31206), (865, 31233),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for TygerBlood_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 84

Candidate Starts for Typha_24:

(Start: 84 @19608 has 5 MA's), (104, 19656), (Start: 111 @19665 has 26 MA's), (Start: 144 @19704 has 6 MA's), (Start: 171 @19734 has 8 MA's), (180, 19746), (205, 19782), (228, 19812), (Start: 233 @19821 has 2 MA's), (238, 19836), (262, 19887), (263, 19890), (299, 19989), (348, 20130), (373, 20181), (377, 20187), (395, 20226), (412, 20280), (459, 20349), (475, 20391), (489, 20427), (496, 20436), (530, 20514), (536, 20523), (559, 20553), (573, 20586), (574, 20589), (597, 20649), (605, 20673), (609, 20682), (643, 20751), (678, 20856), (679, 20859), (686, 20886), (779, 21069), (876, 21324), (900, 21414), (901, 21417), (903, 21420),

Gene: Typhonomachy_18 Start: 15732, Stop: 17429, Start Num: 149

Candidate Starts for Typhonomachy_18:

(Start: 139 @15729 has 9 MA's), (Start: 149 @15732 has 636 MA's), (274, 15942), (315, 16065), (335, 16116), (373, 16203), (378, 16212), (388, 16233), (395, 16248), (398, 16260), (441, 16338), (449, 16350), (463, 16377), (475, 16410), (487, 16443), (496, 16455), (514, 16497), (584, 16620), (611, 16692), (653, 16770), (657, 16785), (664, 16803), (684, 16860), (731, 16953), (748, 16989), (753, 17001), (755, 17007), (760, 17019), (769, 17028), (794, 17100), (795, 17103), (797, 17109), (801, 17121), (824, 17181), (842, 17226), (847, 17235), (861, 17268), (881, 17334),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 151

Candidate Starts for U2_27:

(Start: 151 @21239 has 225 MA's), (Start: 167 @21260 has 5 MA's), (Start: 195 @21302 has 1 MA's), (228, 21347), (315, 21563), (333, 21608), (336, 21617), (377, 21707), (378, 21710), (416, 21803), (476, 21905), (510, 21974), (593, 22175), (594, 22178), (601, 22199), (652, 22295), (653, 22298), (655, 22304), (679, 22373), (684, 22391), (686, 22400), (697, 22430), (731, 22526), (747, 22559), (753, 22574), (795, 22715), (813, 22772), (861, 22883),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Ubuntu_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468,

18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 149

Candidate Starts for Ugenie5_27:

(Start: 146 @21779 has 12 MA's), (Start: 149 @21782 has 636 MA's), (284, 22016), (285, 22019), (314, 22091), (315, 22094), (319, 22109), (336, 22148), (339, 22154), (389, 22265), (428, 22352), (472, 22433), (476, 22436), (553, 22622), (587, 22685), (594, 22709), (596, 22715), (609, 22748), (653, 22829), (692, 22955), (705, 22997), (731, 23057), (747, 23090), (753, 23105), (785, 23204), (786, 23207), (788, 23219), (813, 23303), (842, 23369), (859, 23408), (861, 23414), (872, 23459), (889, 23516), (890, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 172

Candidate Starts for UhSalsa_23:

(Start: 172 @16349 has 32 MA's), (223, 16418), (241, 16454), (273, 16526), (315, 16640), (368, 16769), (389, 16811), (397, 16829), (399, 16838), (Start: 407 @16862 has 1 MA's), (416, 16880), (436, 16904), (441, 16910), (451, 16925), (453, 16928), (476, 16976), (587, 17177), (594, 17201), (652, 17315), (679, 17393), (689, 17432), (692, 17444), (718, 17474), (753, 17552), (809, 17699), (853, 17798), (859, 17813), (906, 17966),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 134

Candidate Starts for Ukulele_24:

(Start: 134 @19504 has 130 MA's), (Start: 196 @19588 has 48 MA's), (Start: 246 @19666 has 1 MA's), (280, 19753), (286, 19768), (305, 19816), (320, 19855), (361, 19942), (377, 19975), (394, 20011), (402, 20041), (405, 20047), (458, 20116), (477, 20146), (481, 20158), (482, 20161), (512, 20218), (575, 20350), (578, 20356), (602, 20422), (604, 20428), (612, 20452), (628, 20500), (642, 20524), (647, 20533), (672, 20608), (721, 20659), (726, 20674), (786, 20836), (792, 20863), (801, 20893), (843, 20998), (879, 21076), (886, 21112), (889, 21121), (899, 21154), (906, 21169),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 149

Candidate Starts for Ulysses_26:

(Start: 128 @19524 has 37 MA's), (Start: 149 @19548 has 636 MA's), (Start: 195 @19605 has 1 MA's), (Start: 233 @19659 has 2 MA's), (238, 19674), (Start: 246 @19692 has 1 MA's), (280, 19776), (284, 19788), (285, 19791), (315, 19866), (319, 19881), (336, 19920), (389, 20037), (428, 20124), (472, 20205), (499, 20253), (510, 20277), (542, 20364), (560, 20409), (594, 20481), (601, 20502), (609, 20520), (653, 20601), (684, 20694), (686, 20703), (692, 20727), (697, 20733), (702, 20757), (731, 20811), (744, 20832), (761, 20883), (770, 20907), (786, 20961), (813, 21057), (859, 21162), (862, 21177), (893, 21285), (899, 21303),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 215

Candidate Starts for UmaThurman_19:

(187, 16742), (Start: 215 @16778 has 57 MA's), (266, 16880), (293, 16952), (296, 16958), (298, 16961), (340, 17057), (357, 17096), (392, 17177), (410, 17231), (415, 17246), (476, 17342), (512, 17417), (521, 17447), (604, 17630), (612, 17654), (659, 17798), (664, 17810), (713, 17870), (762, 18002), (763, 18005), (792, 18104), (797, 18122), (813, 18173), (842, 18239), (871, 18302), (876, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for UncleRicky_17:

(Start: 129 @14628 has 222 MA's), (199, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (265, 14841), (283, 14889), (286, 14895), (292, 14913), (305, 14943), (350, 15048), (376, 15102), (379, 15108), (383, 15117), (389, 15129), (394, 15138), (401, 15162), (413, 15198), (415, 15204), (427, 15216), (453, 15237), (455, 15240), (460, 15249), (467, 15264), (469, 15270), (475, 15288), (480, 15303), (482, 15309), (490, 15327), (493, 15330), (504, 15345), (511, 15360), (512, 15366), (521, 15396), (526, 15414), (531, 15426), (535, 15432), (574, 15492), (579, 15504), (593, 15540), (597, 15552), (604, 15573), (624, 15627), (628, 15636), (642, 15660), (652, 15690), (718, 15795), (722, 15807), (738, 15843), (754, 15882), (766, 15921), (794, 16020), (801, 16041), (811, 16074), (826, 16104), (835, 16134), (841, 16143), (844, 16149), (859, 16164), (860, 16167), (864, 16188), (865, 16191), (881, 16233), (886, 16263), (899, 16305), (900, 16311),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 118

Candidate Starts for Unicorn_22:

(Start: 111 @16363 has 26 MA's), (Start: 118 @16372 has 152 MA's), (143, 16402), (238, 16543), (Start: 246 @16561 has 1 MA's), (262, 16594), (273, 16624), (288, 16669), (317, 16759), (333, 16795), (369, 16882), (408, 16975), (412, 16987), (413, 16990), (420, 17008), (428, 17029), (445, 17044), (455, 17056), (459, 17062), (475, 17104), (477, 17110), (582, 17293), (603, 17353), (644, 17437), (649, 17455), (669, 17515), (691, 17590), (718, 17614), (749, 17674), (761, 17707), (762, 17710), (768, 17728), (776, 17749), (795, 17824), (811, 17875), (824, 17902), (862, 17974), (879, 18025), (900, 18109), (901, 18112), (910, 18130),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 149

Candidate Starts for UnionJack_24:

(Start: 149 @18683 has 636 MA's), (Start: 233 @18788 has 2 MA's), (285, 18920), (302, 18956), (315, 18995), (319, 19010), (335, 19046), (366, 19118), (373, 19133), (389, 19166), (393, 19172), (487, 19367), (506, 19397), (509, 19403), (524, 19454), (560, 19538), (593, 19607), (609, 19649), (615, 19667), (652, 19727), (653, 19730), (679, 19805), (684, 19823), (730, 19964), (747, 20000), (858, 20315), (861, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 149

Candidate Starts for Updawg_30:

(Start: 128 @20632 has 37 MA's), (Start: 149 @20656 has 636 MA's), (245, 20791), (284, 20890), (285, 20893), (314, 20965), (315, 20968), (336, 21022), (339, 21028), (366, 21091), (389, 21139), (401, 21172), (428, 21226), (472, 21307), (476, 21310), (487, 21340), (553, 21496), (594, 21583), (653, 21703), (691, 21826), (692, 21829), (697, 21835), (718, 21883), (747, 21946), (753, 21961), (755, 21967), (774, 22021), (785, 22060), (788, 22075), (797, 22108), (811, 22153), (859, 22264), (861, 22270), (876, 22324),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 208

Candidate Starts for Upyo_18:

(Start: 152 @14867 has 5 MA's), (Start: 208 @14948 has 12 MA's), (Start: 215 @14957 has 57 MA's), (260, 15041), (271, 15074), (311, 15182), (327, 15221), (350, 15272), (365, 15305), (404, 15395), (414, 15425), (470, 15512), (508, 15590), (509, 15593), (531, 15665), (551, 15698), (579, 15749), (593, 15785), (601, 15809), (625, 15869), (649, 15923), (650, 15926), (667, 15968), (671, 15986), (678, 15998), (753, 16112), (773, 16169), (777, 16184), (890, 16502), (906, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for Urkel_23:

(Start: 118 @17102 has 152 MA's), (143, 17132), (Start: 246 @17291 has 1 MA's), (262, 17324), (273, 17354), (283, 17387), (288, 17399), (317, 17489), (335, 17531), (365, 17603), (369, 17612), (389, 17651), (405, 17696), (413, 17720), (459, 17792), (475, 17834), (477, 17840), (487, 17867), (574, 18005), (582, 18023), (597, 18065), (614, 18113), (628, 18140), (669, 18245), (715, 18335), (762, 18440), (773, 18470), (776, 18479), (795, 18554), (811, 18605), (889, 18800), (900, 18839), (901,

18842), (910, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 215

Candidate Starts for Utz_19:

(187, 16609), (Start: 215 @16645 has 57 MA's), (266, 16747), (296, 16825), (298, 16828), (340, 16924), (357, 16963), (392, 17044), (410, 17098), (415, 17113), (512, 17284), (521, 17314), (604, 17497), (612, 17521), (613, 17524), (625, 17572), (659, 17665), (664, 17677), (682, 17722), (713, 17737), (762, 17869), (763, 17872), (792, 17971), (797, 17989), (813, 18040), (842, 18106), (871, 18169), (876, 18181),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 149

Candidate Starts for VA6_28:

(98, 20138), (Start: 128 @20180 has 37 MA's), (Start: 149 @20204 has 636 MA's), (284, 20438), (285, 20441), (314, 20513), (315, 20516), (319, 20531), (336, 20570), (339, 20576), (389, 20687), (397, 20705), (401, 20720), (428, 20774), (472, 20855), (476, 20858), (542, 21014), (553, 21044), (596, 21137), (653, 21251), (692, 21377), (747, 21512), (753, 21527), (761, 21551), (785, 21626), (786, 21629), (788, 21641), (813, 21725), (849, 21803), (859, 21830), (861, 21836), (872, 21881), (876, 21890), (899, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 149

Candidate Starts for VC3_31:

(98, 20126), (Start: 128 @20168 has 37 MA's), (Start: 149 @20192 has 636 MA's), (284, 20426), (285, 20429), (314, 20501), (315, 20504), (319, 20519), (336, 20558), (339, 20564), (389, 20675), (397, 20693), (401, 20708), (428, 20762), (472, 20843), (476, 20846), (542, 21002), (553, 21032), (596, 21125), (653, 21239), (692, 21365), (747, 21500), (753, 21515), (761, 21539), (785, 21614), (786, 21617), (788, 21629), (813, 21713), (849, 21791), (859, 21818), (861, 21824), (872, 21869), (876, 21878), (899, 21959),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 129

Candidate Starts for VRedHorse_16:

(Start: 129 @14970 has 222 MA's), (199, 15057), (Start: 233 @15102 has 2 MA's), (242, 15126), (265, 15183), (283, 15231), (286, 15237), (292, 15255), (305, 15285), (350, 15390), (379, 15450), (383, 15459), (394, 15480), (401, 15504), (415, 15546), (453, 15579), (460, 15591), (467, 15606), (475, 15630), (480, 15645), (482, 15651), (504, 15687), (511, 15702), (512, 15708), (515, 15717), (526, 15756), (531, 15768), (535, 15774), (574, 15834), (593, 15882), (597, 15894), (604, 15915), (624, 15969), (628, 15978), (638, 15996), (642, 16002), (652, 16032), (718, 16137), (722, 16149), (738, 16185), (754, 16224), (766, 16263), (794, 16362), (801, 16383), (811, 16416), (826, 16446), (835, 16476), (839, 16482), (841, 16485), (844, 16491), (859, 16506), (860, 16509), (864, 16530), (881, 16575), (886, 16605), (899, 16647), (900, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 113

Candidate Starts for Vagabond_56:

(Start: 106 @33296 has 2 MA's), (Start: 113 @33305 has 28 MA's), (Start: 179 @33395 has 33 MA's), (253, 33512), (265, 33548), (275, 33569), (283, 33596), (286, 33602), (299, 33632), (308, 33656), (330, 33707), (394, 33845), (396, 33851), (412, 33902), (413, 33905), (427, 33923), (475, 33974), (482, 33995), (483, 33998), (511, 34046), (512, 34052), (526, 34100), (528, 34106), (531, 34112), (563, 34172), (574, 34196), (575, 34199), (593, 34244), (598, 34259), (601, 34268), (604, 34277), (618, 34322), (628, 34340), (647, 34373), (722, 34511), (730, 34532), (758, 34598), (768, 34628), (784, 34682), (794, 34724), (801, 34745), (807, 34766), (811, 34778), (821, 34799), (844, 34853), (879, 34931), (886, 34967), (892, 34988), (900, 35015),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 102

Candidate Starts for Valary_34:

(85, 26753), (Start: 102 @26795 has 86 MA's), (Start: 126 @26831 has 1 MA's), (Start: 153 @26864 has 10 MA's), (274, 27074), (275, 27077), (284, 27107), (307, 27173), (315, 27197), (317, 27206), (332, 27239), (399, 27392), (416, 27431), (453, 27482), (460, 27494), (467, 27512), (471, 27524), (475, 27536), (480, 27551), (496, 27581), (499, 27584), (509, 27605), (554, 27677), (609, 27803), (620, 27836), (649, 27869), (660, 27908), (663, 27911), (686, 27983), (715, 28049), (719, 28061), (795, 28232), (799, 28244), (801, 28250), (811, 28283), (824, 28310), (833, 28337), (859, 28391), (890, 28508), (896, 28529), (907, 28556),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 118

Candidate Starts for Validus_23:

(Start: 118 @16448 has 152 MA's), (143, 16478), (Start: 233 @16604 has 2 MA's), (238, 16619), (Start: 246 @16637 has 1 MA's), (262, 16670), (288, 16745), (294, 16763), (317, 16835), (333, 16871), (365, 16949), (369, 16958), (408, 17051), (412, 17063), (413, 17066), (455, 17132), (459, 17138), (473, 17174), (475, 17180), (477, 17186), (487, 17213), (574, 17351), (582, 17369), (603, 17429), (614, 17459), (628, 17486), (647, 17519), (669, 17591), (686, 17645), (721, 17699), (723, 17705), (749, 17750), (761, 17783), (763, 17789), (773, 17816), (776, 17825), (795, 17900), (811, 17951), (866, 18065), (889, 18146), (900, 18185), (901, 18188), (910, 18206),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 102

Candidate Starts for VanDeWege_34:

(85, 26580), (Start: 102 @26622 has 86 MA's), (Start: 126 @26658 has 1 MA's), (Start: 153 @26691 has 10 MA's), (274, 26901), (275, 26904), (284, 26934), (315, 27024), (317, 27033), (332, 27066), (380, 27171), (399, 27219), (416, 27258), (453, 27309), (467, 27339), (471, 27351), (475, 27363), (480, 27378), (496, 27408), (499, 27411), (509, 27432), (554, 27504), (579, 27552), (620, 27663), (649, 27696), (663, 27738), (686, 27810), (715, 27876), (795, 28059), (796, 28062), (811, 28110), (824, 28137), (833, 28164), (859, 28218), (890, 28335), (896, 28356), (907, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 157

Candidate Starts for VanLee_20:

(Start: 146 @16431 has 12 MA's), (Start: 157 @16446 has 6 MA's), (Start: 181 @16482 has 3 MA's), (219, 16533), (294, 16716), (315, 16761), (373, 16896), (441, 17031), (453, 17049), (506, 17157), (508, 17160), (558, 17244), (589, 17304), (639, 17409), (653, 17439), (678, 17514), (679, 17517), (720, 17604), (731, 17628), (748, 17664), (785, 17736), (795, 17778), (799, 17790), (816, 17844), (833, 17886), (859, 17940), (880, 18009), (892, 18063), (895, 18072), (907, 18102),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for Vanisoa_27:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (231, 19705), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (319, 19933), (336, 19972), (339, 19978), (377, 20062), (389, 20089), (393, 20095), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (510, 20329), (546, 20422), (594, 20533), (609, 20572), (639, 20623), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (859, 21232), (861, 21238), (872, 21283),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 179

Candidate Starts for Vasanti_17:

(Start: 91 @14569 has 1 MA's), (96, 14584), (Start: 179 @14704 has 33 MA's), (209, 14746), (248, 14821), (271, 14893), (272, 14896), (319, 15025), (356, 15106), (388, 15184), (389, 15187), (405, 15232), (471, 15373), (509, 15454), (519, 15490), (526, 15514), (530, 15526), (568, 15562), (626, 15679), (645, 15712), (654, 15736), (679, 15808), (685, 15832), (686, 15835), (792, 16066), (796, 16081), (847, 16216), (849, 16219), (864, 16267), (873, 16297),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 118

Candidate Starts for Veliki_23:

(Start: 118 @17191 has 152 MA's), (143, 17221), (Start: 246 @17380 has 1 MA's), (262, 17413), (273, 17443), (283, 17476), (288, 17488), (317, 17578), (335, 17620), (365, 17692), (369, 17701), (389, 17740), (405, 17785), (412, 17806), (413, 17809), (445, 17863), (459, 17881), (475, 17923), (477, 17929), (487, 17956), (574, 18094), (582, 18112), (597, 18154), (603, 18172), (614, 18202), (628, 18229), (669, 18334), (749, 18493), (762, 18529), (773, 18559), (776, 18568), (795, 18643), (811, 18694), (862, 18793), (889, 18889), (900, 18928), (901, 18931), (910, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Velveteen_17:

(Start: 129 @14635 has 222 MA's), (199, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (283, 14896), (286, 14902), (292, 14920), (305, 14950), (350, 15055), (379, 15115), (389, 15136), (394, 15145), (401, 15169), (453, 15244), (455, 15247), (475, 15295), (480, 15310), (482, 15316), (504, 15352), (506, 15355), (511, 15367), (512, 15373), (526, 15421), (531, 15433), (535, 15439), (574, 15499), (579, 15511), (593, 15547), (597, 15559), (624, 15634), (628, 15643), (638, 15661), (642, 15667), (652, 15697), (718, 15802), (721, 15811), (722, 15814), (738, 15850), (766, 15928), (794, 16027), (801, 16048), (811, 16081), (826, 16111), (835, 16141), (841, 16150), (844, 16156), (859, 16171), (860, 16174), (865, 16198), (876, 16228), (881, 16240), (886, 16270), (899, 16312),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Venti_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 149

Candidate Starts for Veracruz_27:

(Start: 149 @20455 has 636 MA's), (Start: 195 @20515 has 1 MA's), (238, 20584), (280, 20686), (284, 20698), (285, 20701), (315, 20776), (319, 20791), (336, 20830), (397, 20965), (428, 21034), (487, 21148), (542, 21274), (593, 21388), (601, 21412), (606, 21424), (609, 21430), (653, 21511), (679, 21586), (684, 21604), (686, 21613), (692, 21637), (697, 21643), (700, 21658), (712, 21691), (730, 21736), (731, 21739), (744, 21760), (786, 21889), (813, 21985), (859, 22090), (861, 22096), (899, 22231),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 214

Candidate Starts for Verity_34:

(Start: 175 @30887 has 1 MA's), (Start: 214 @30944 has 22 MA's), (232, 30965), (261, 31028), (281, 31091), (305, 31151), (310, 31163), (346, 31250), (370, 31301), (385, 31331), (414, 31412), (428, 31439), (483, 31538), (502, 31568), (508, 31577), (518, 31613), (545, 31673), (574, 31721), (578, 31730), (614, 31829), (633, 31868), (640, 31880), (722, 32036), (726, 32048), (740, 32075), (761, 32132), (775, 32171), (777, 32180), (790, 32237), (793, 32249), (808, 32297), (811, 32306), (813, 32312), (824, 32333), (862, 32411), (901, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Veteran_16:

(Start: 129 @14805 has 222 MA's), (199, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (283, 15066), (286, 15072), (292, 15090), (305, 15120), (350, 15225), (376, 15279), (379, 15285), (383, 15294), (389, 15306), (394, 15315), (401, 15339), (413, 15375), (415, 15381), (427, 15393), (453, 15414), (455, 15417), (460, 15426), (467, 15441), (469, 15447), (475, 15465), (480, 15480), (482,

15486), (490, 15504), (493, 15507), (504, 15522), (511, 15537), (512, 15543), (521, 15573), (526, 15591), (531, 15603), (535, 15609), (574, 15669), (579, 15681), (593, 15717), (597, 15729), (604, 15750), (624, 15804), (628, 15813), (642, 15837), (652, 15867), (718, 15972), (722, 15984), (738, 16020), (754, 16059), (766, 16098), (794, 16197), (801, 16218), (811, 16251), (826, 16281), (835, 16311), (841, 16320), (844, 16326), (859, 16341), (860, 16344), (864, 16365), (865, 16368), (881, 16410), (886, 16440), (899, 16482), (900, 16488),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 214

Candidate Starts for ViaConlectus_35:

(Start: 214 @29390 has 22 MA's), (232, 29411), (237, 29423), (261, 29474), (274, 29513), (281, 29537), (310, 29609), (346, 29696), (370, 29747), (385, 29777), (444, 29900), (483, 29984), (502, 30014), (508, 30023), (517, 30056), (518, 30059), (545, 30119), (574, 30167), (578, 30176), (614, 30275), (633, 30314), (640, 30326), (722, 30482), (740, 30521), (762, 30581), (763, 30584), (773, 30611), (777, 30626), (790, 30683), (793, 30695), (808, 30743), (811, 30752), (813, 30758), (824, 30779), (835, 30812), (859, 30842), (862, 30857), (879, 30908), (899, 30986), (901, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Vidya_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 149

Candidate Starts for Vine_19:

(Start: 139 @16427 has 9 MA's), (Start: 149 @16430 has 636 MA's), (226, 16529), (Start: 246 @16571 has 1 MA's), (335, 16811), (373, 16898), (384, 16919), (388, 16928), (398, 16955), (416, 17000), (441, 17033), (451, 17048), (463, 17072), (475, 17105), (487, 17138), (496, 17150), (518, 17207), (553, 17255), (569, 17285), (584, 17315), (590, 17330), (606, 17378), (634, 17429), (653, 17465), (657, 17480), (664, 17498), (684, 17555), (686, 17564), (748, 17684), (753, 17696), (781, 17744), (794, 17795), (795, 17798), (801, 17816), (830, 17894), (842, 17921), (861, 17963), (901, 18110), (906, 18116),

Gene: Violac_17 Start: 15353, Stop: 17062, Start Num: 129

Candidate Starts for Violac_17:

(Start: 129 @15353 has 222 MA's), (199, 15440), (Start: 215 @15461 has 57 MA's), (Start: 233 @15485 has 2 MA's), (242, 15509), (253, 15530), (283, 15614), (286, 15620), (292, 15638), (305, 15668), (350, 15773), (376, 15827), (379, 15833), (388, 15851), (389, 15854), (394, 15863), (401, 15887), (453, 15962), (460, 15974), (467, 15989), (469, 15995), (475, 16013), (480, 16028), (482, 16034), (493, 16055), (504, 16070), (511, 16085), (512, 16091), (526, 16139), (531, 16151), (535, 16157), (574, 16217), (579, 16229), (593, 16265), (597, 16277), (604, 16298), (624, 16352), (628, 16361), (638, 16379), (642, 16385), (652, 16415), (718, 16520), (722, 16532), (738, 16568), (753, 16604), (754, 16607), (766, 16646), (777, 16676), (794, 16745), (801, 16766), (811, 16799), (826, 16829), (835, 16859), (839, 16865), (841, 16868), (844, 16874), (859, 16889), (860, 16892), (864, 16913), (865, 16916), (881, 16958), (899, 17030), (900, 17036),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 151

Candidate Starts for Violet_26:

(Start: 151 @21646 has 225 MA's), (Start: 167 @21667 has 5 MA's), (Start: 195 @21709 has 1 MA's), (228, 21754), (315, 21970), (333, 22015), (336, 22024), (353, 22063), (377, 22114), (378, 22117),

(476, 22312), (510, 22381), (593, 22582), (594, 22585), (601, 22606), (652, 22702), (653, 22705), (655, 22711), (679, 22780), (684, 22798), (686, 22807), (697, 22837), (731, 22933), (747, 22966), (753, 22981), (795, 23122), (813, 23179), (861, 23290), (907, 23443),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 102

Candidate Starts for Vivi2_37:

(94, 31469), (Start: 102 @31487 has 86 MA's), (Start: 126 @31523 has 1 MA's), (231, 31661), (272, 31757), (275, 31766), (297, 31835), (315, 31886), (333, 31931), (339, 31946), (377, 32027), (397, 32072), (399, 32081), (453, 32171), (467, 32201), (472, 32216), (480, 32240), (496, 32270), (558, 32375), (609, 32492), (616, 32510), (620, 32525), (648, 32555), (652, 32567), (653, 32570), (660, 32597), (794, 32918), (795, 32921), (796, 32924), (811, 32972), (824, 32999), (833, 33026), (859, 33080), (864, 33104), (865, 33107), (890, 33197), (907, 33245),

Gene: ViviJ_20 Start: 17352, Stop: 19124, Start Num: 121

Candidate Starts for ViviJ_20:

(Start: 121 @17352 has 18 MA's), (124, 17358), (Start: 145 @17382 has 2 MA's), (Start: 171 @17415 has 8 MA's), (205, 17463), (238, 17517), (262, 17568), (283, 17631), (319, 17739), (365, 17847), (412, 17961), (413, 17964), (428, 18003), (445, 18018), (455, 18030), (459, 18036), (473, 18072), (475, 18078), (477, 18084), (496, 18123), (509, 18147), (574, 18249), (598, 18312), (669, 18492), (718, 18591), (753, 18669), (761, 18693), (763, 18699), (775, 18732), (795, 18810), (797, 18816), (864, 18969), (894, 19074), (895, 19077), (900, 19095),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 129

Candidate Starts for Vivum_16:

(Start: 129 @14751 has 222 MA's), (199, 14838), (Start: 233 @14883 has 2 MA's), (242, 14907), (283, 15012), (286, 15018), (292, 15036), (305, 15066), (350, 15171), (379, 15231), (388, 15249), (389, 15252), (394, 15261), (401, 15285), (475, 15411), (480, 15426), (482, 15432), (504, 15468), (506, 15471), (511, 15483), (512, 15489), (526, 15537), (531, 15549), (535, 15555), (574, 15615), (579, 15627), (593, 15663), (597, 15675), (624, 15750), (628, 15759), (638, 15777), (642, 15783), (652, 15813), (718, 15918), (722, 15930), (738, 15966), (766, 16044), (801, 16164), (811, 16197), (826, 16227), (829, 16239), (835, 16257), (839, 16263), (841, 16266), (844, 16272), (859, 16287), (860, 16290), (864, 16311), (865, 16314), (881, 16356), (886, 16386), (899, 16428), (900, 16434),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 149

Candidate Starts for Vix_29:

(Start: 149 @20461 has 636 MA's), (Start: 195 @20518 has 1 MA's), (205, 20533), (231, 20566), (238, 20587), (245, 20602), (280, 20689), (284, 20701), (285, 20704), (315, 20779), (319, 20794), (335, 20830), (428, 21037), (487, 21151), (510, 21190), (542, 21277), (593, 21391), (601, 21415), (609, 21433), (653, 21514), (679, 21589), (684, 21607), (692, 21640), (697, 21646), (706, 21685), (730, 21739), (731, 21742), (744, 21763), (763, 21820), (813, 21988), (859, 22093), (861, 22099), (899, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 149

Candidate Starts for VohminGhazi_31:

(98, 19910), (Start: 128 @19952 has 37 MA's), (Start: 149 @19976 has 636 MA's), (273, 20174), (285, 20213), (314, 20285), (315, 20288), (321, 20306), (336, 20342), (339, 20348), (389, 20459), (393, 20465), (405, 20504), (428, 20546), (455, 20585), (472, 20627), (476, 20630), (506, 20690), (603, 20927), (609, 20942), (653, 21023), (697, 21155), (753, 21281), (771, 21332), (774, 21341), (785, 21380), (786, 21383), (788, 21395), (813, 21479), (859, 21584), (861, 21590), (899, 21725),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 141

Candidate Starts for Volt_55:

(61, 28702), (63, 28711), (64, 28717), (Start: 92 @28819 has 4 MA's), (108, 28849), (Start: 141 @28894 has 6 MA's), (241, 29035), (302, 29194), (319, 29248), (389, 29404), (439, 29503), (467, 29551), (487, 29608), (499, 29623), (553, 29713), (614, 29851), (652, 29914), (684, 30010), (712, 30061), (713, 30064), (717, 30076), (753, 30151), (758, 30166), (794, 30250), (824, 30331), (866, 30442), (896, 30547), (901, 30565),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 174

Candidate Starts for Vordorf_22:

(69, 18182), (Start: 91 @18242 has 1 MA's), (148, 18335), (Start: 174 @18371 has 9 MA's), (Start: 181 @18383 has 3 MA's), (251, 18497), (253, 18503), (281, 18581), (308, 18647), (310, 18653), (359, 18764), (363, 18773), (375, 18800), (378, 18806), (380, 18809), (390, 18830), (480, 19001), (481, 19004), (514, 19070), (518, 19085), (555, 19169), (567, 19178), (587, 19220), (593, 19241), (610, 19289), (613, 19301), (620, 19328), (650, 19397), (676, 19466), (718, 19499), (744, 19556), (762, 19607), (783, 19676), (797, 19727), (808, 19763), (813, 19778), (837, 19835), (843, 19844), (864, 19883), (877, 19922), (880, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 113

Candidate Starts for Vorrps_56:

(Start: 106 @33508 has 2 MA's), (Start: 113 @33517 has 28 MA's), (Start: 179 @33607 has 33 MA's), (253, 33724), (265, 33760), (275, 33781), (283, 33808), (286, 33814), (299, 33844), (308, 33868), (330, 33919), (394, 34057), (396, 34063), (412, 34114), (413, 34117), (427, 34135), (475, 34186), (482, 34207), (483, 34210), (511, 34258), (512, 34264), (526, 34312), (528, 34318), (531, 34324), (563, 34384), (574, 34408), (575, 34411), (593, 34456), (598, 34471), (601, 34480), (604, 34489), (618, 34534), (628, 34552), (647, 34585), (722, 34723), (730, 34744), (758, 34810), (768, 34840), (784, 34894), (794, 34936), (801, 34957), (807, 34978), (811, 34990), (821, 35011), (844, 35065), (879, 35143), (886, 35179), (892, 35200), (900, 35227),

Gene: WST1_18 Start: 14319, Stop: 16085, Start Num: 115

Candidate Starts for WST1_18:

(Start: 115 @14319 has 1 MA's), (169, 14391), (228, 14472), (238, 14496), (257, 14538), (303, 14640), (313, 14664), (317, 14682), (377, 14817), (395, 14856), (432, 14961), (453, 14991), (473, 15039), (589, 15255), (652, 15387), (684, 15483), (699, 15534), (753, 15660), (755, 15666), (794, 15759), (795, 15762), (856, 15909), (861, 15924), (896, 16053), (899, 16062),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 129

Candidate Starts for Wachhund_16:

(Start: 129 @14831 has 222 MA's), (199, 14918), (Start: 233 @14963 has 2 MA's), (242, 14987), (283, 15092), (286, 15098), (292, 15116), (305, 15146), (350, 15251), (379, 15311), (389, 15332), (394, 15341), (401, 15365), (475, 15491), (480, 15506), (482, 15512), (504, 15548), (506, 15551), (511, 15563), (512, 15569), (526, 15617), (531, 15629), (535, 15635), (574, 15695), (579, 15707), (593, 15743), (597, 15755), (624, 15830), (628, 15839), (638, 15857), (642, 15863), (652, 15893), (718, 15998), (721, 16007), (722, 16010), (738, 16046), (766, 16124), (794, 16223), (801, 16244), (811, 16277), (826, 16307), (835, 16337), (841, 16346), (844, 16352), (859, 16367), (860, 16370), (865, 16394), (876, 16424), (881, 16436), (886, 16466), (899, 16508),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 149

Candidate Starts for Waits_30:

(98, 18997), (Start: 128 @19039 has 37 MA's), (Start: 149 @19063 has 636 MA's), (Start: 246 @19201 has 1 MA's), (272, 19258), (285, 19300), (302, 19336), (315, 19375), (343, 19444), (353, 19468), (378, 19522), (455, 19672), (476, 19717), (487, 19747), (509, 19783), (524, 19834), (540, 19870), (560, 19918), (590, 19978), (652, 20107), (679, 20185), (753, 20386), (755, 20392), (786, 20488), (845, 20653), (879, 20752),

Gene: Wallaby_22 Start: 16703, Stop: 18397, Start Num: 149

Candidate Starts for Wallaby_22:

(37, 16292), (42, 16328), (48, 16379), (Start: 149 @16703 has 636 MA's), (Start: 156 @16715 has 1 MA's), (299, 16988), (301, 16991), (315, 17036), (319, 17051), (353, 17129), (373, 17174), (416, 17276), (441, 17309), (449, 17321), (451, 17324), (475, 17381), (487, 17414), (499, 17429), (522, 17495), (555, 17537), (560, 17546), (584, 17591), (606, 17654), (652, 17735), (657, 17753), (660, 17762), (664, 17771), (684, 17828), (686, 17837), (753, 17969), (769, 17996), (781, 18017), (794, 18068), (795, 18071), (830, 18167), (842, 18194), (847, 18203), (849, 18206), (861, 18236), (864, 18254), (880, 18299), (906, 18389),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 215

Candidate Starts for Walrus_20:

(187, 16837), (Start: 215 @16873 has 57 MA's), (266, 16975), (296, 17053), (298, 17056), (340, 17152), (357, 17191), (392, 17272), (410, 17326), (415, 17341), (476, 17437), (512, 17512), (521, 17542), (604, 17725), (612, 17749), (625, 17800), (659, 17893), (664, 17905), (682, 17950), (713, 17965), (762, 18097), (763, 18100), (792, 18199), (797, 18217), (813, 18268), (838, 18328), (842, 18334), (871, 18397), (876, 18409),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 149

Candidate Starts for WalterMcMickey_27:

(Start: 149 @19820 has 636 MA's), (Start: 195 @19877 has 1 MA's), (205, 19892), (231, 19925), (238, 19946), (280, 20048), (284, 20060), (285, 20063), (315, 20138), (319, 20153), (336, 20192), (389, 20309), (397, 20327), (428, 20396), (470, 20471), (487, 20510), (510, 20549), (542, 20636), (560, 20681), (593, 20750), (601, 20774), (606, 20786), (609, 20792), (653, 20873), (684, 20966), (686, 20975), (692, 20999), (697, 21005), (700, 21020), (718, 21053), (744, 21104), (749, 21122), (763, 21161), (792, 21260), (813, 21329), (826, 21353), (828, 21359), (859, 21434), (861, 21440), (862, 21449), (879, 21500), (899, 21575),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 128

Candidate Starts for Wanda_37:

(Start: 128 @26916 has 37 MA's), (Start: 196 @27006 has 48 MA's), (229, 27054), (242, 27084), (257, 27111), (294, 27213), (307, 27243), (325, 27294), (346, 27342), (363, 27378), (365, 27384), (377, 27405), (405, 27477), (408, 27486), (415, 27507), (482, 27615), (483, 27618), (490, 27633), (512, 27672), (526, 27720), (531, 27732), (535, 27738), (561, 27786), (566, 27795), (575, 27816), (583, 27834), (600, 27882), (638, 27984), (667, 28056), (683, 28101), (685, 28113), (694, 28248), (695, 28254), (696, 28278), (708, 28350), (716, 28377), (802, 28626),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Wander_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Warrior24_30 Start: 19067, Stop: 20854, Start Num: 149

Candidate Starts for Warrior24_30:

(98, 19001), (Start: 128 @19043 has 37 MA's), (Start: 149 @19067 has 636 MA's), (Start: 246 @19205 has 1 MA's), (272, 19262), (285, 19304), (302, 19340), (315, 19379), (343, 19448), (353, 19472), (378, 19526), (455, 19676), (476, 19721), (487, 19751), (509, 19787), (524, 19838), (540, 19874), (560, 19922), (590, 19982), (652, 20111), (679, 20189), (753, 20390), (755, 20396), (786, 20492), (845,

20657), (879, 20756),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 121

Candidate Starts for Waterfoul_21:

(Start: 121 @17516 has 18 MA's), (124, 17522), (Start: 145 @17546 has 2 MA's), (Start: 171 @17579 has 8 MA's), (205, 17627), (238, 17681), (262, 17732), (283, 17795), (319, 17903), (365, 18011), (412, 18125), (413, 18128), (428, 18167), (445, 18182), (455, 18194), (459, 18200), (475, 18242), (477, 18248), (496, 18287), (509, 18311), (574, 18413), (598, 18476), (613, 18521), (669, 18656), (718, 18755), (753, 18833), (761, 18857), (763, 18863), (768, 18878), (795, 18974), (797, 18980), (864, 19133), (894, 19238), (895, 19241), (900, 19259),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 151

Candidate Starts for Watermelon_29:

(Start: 151 @21982 has 225 MA's), (Start: 167 @22003 has 5 MA's), (Start: 195 @22045 has 1 MA's), (228, 22090), (315, 22306), (333, 22351), (336, 22360), (353, 22399), (377, 22450), (378, 22453), (476, 22648), (510, 22717), (593, 22918), (594, 22921), (601, 22942), (652, 23038), (653, 23041), (655, 23047), (679, 23116), (684, 23134), (686, 23143), (697, 23173), (731, 23269), (747, 23302), (753, 23317), (795, 23458), (813, 23515), (861, 23626), (907, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 149

Candidate Starts for Watson_29:

(Start: 149 @20371 has 636 MA's), (Start: 195 @20428 has 1 MA's), (205, 20443), (231, 20476), (238, 20497), (245, 20512), (280, 20599), (284, 20611), (285, 20614), (315, 20689), (319, 20704), (335, 20740), (428, 20947), (487, 21061), (510, 21100), (542, 21187), (593, 21301), (601, 21325), (609, 21343), (653, 21424), (679, 21499), (684, 21517), (692, 21550), (697, 21556), (706, 21595), (730, 21649), (731, 21652), (744, 21673), (763, 21730), (813, 21898), (859, 22003), (861, 22009), (899, 22144),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Webster2_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 129

Candidate Starts for Wee_17:

(Start: 129 @15380 has 222 MA's), (199, 15467), (Start: 233 @15512 has 2 MA's), (242, 15536), (283, 15641), (286, 15647), (292, 15665), (305, 15695), (350, 15800), (379, 15860), (389, 15881), (394, 15890), (401, 15914), (475, 16040), (480, 16055), (482, 16061), (504, 16097), (506, 16100), (511, 16112), (512, 16118), (526, 16166), (531, 16178), (535, 16184), (574, 16244), (579, 16256), (593, 16292), (597, 16304), (624, 16379), (628, 16388), (638, 16406), (642, 16412), (652, 16442), (718, 16547), (721, 16556), (722, 16559), (738, 16595), (766, 16673), (794, 16772), (801, 16793), (811, 16826), (826, 16856), (835, 16886), (841, 16895), (844, 16901), (859, 16916), (860, 16919), (865, 16943), (876, 16973), (881, 16985), (886, 17015), (899, 17057),

Gene: WeiHuaDA_34 Start: 22438, Stop: 24234, Start Num: 128

Candidate Starts for WeiHuaDA_34:

(98, 22396), (Start: 128 @22438 has 37 MA's), (Start: 149 @22462 has 636 MA's), (284, 22696), (285, 22699), (314, 22771), (315, 22774), (336, 22828), (339, 22834), (353, 22867), (389, 22945), (428, 23032), (472, 23113), (476, 23116), (487, 23146), (594, 23389), (648, 23494), (653, 23509), (697, 23641), (718, 23689), (731, 23719), (747, 23752), (753, 23767), (755, 23773), (774, 23827), (788, 23881), (813, 23965), (842, 24031), (859, 24070), (861, 24076),

Gene: Weirido19_19 Start: 16080, Stop: 17819, Start Num: 116

Candidate Starts for Weirido19_19:

(94, 16044), (Start: 116 @16080 has 42 MA's), (133, 16101), (Start: 135 @16104 has 1 MA's), (184, 16164), (189, 16170), (193, 16176), (Start: 213 @16200 has 1 MA's), (Start: 233 @16233 has 2 MA's), (272, 16326), (278, 16347), (309, 16446), (363, 16581), (365, 16587), (373, 16602), (385, 16626), (401, 16668), (455, 16758), (460, 16767), (487, 16839), (496, 16851), (499, 16854), (506, 16869), (523, 16920), (573, 16965), (587, 16995), (613, 17076), (653, 17163), (721, 17319), (728, 17325), (804, 17532), (835, 17616), (847, 17637), (862, 17655), (877, 17703), (892, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 178

Candidate Starts for WelcomeAyanna_18:

(55, 17509), (65, 17584), (66, 17605), (96, 17689), (Start: 178 @17806 has 57 MA's), (308, 18064), (315, 18082), (316, 18085), (338, 18139), (398, 18283), (405, 18304), (423, 18355), (444, 18391), (445, 18394), (510, 18427), (526, 18484), (617, 18661), (637, 18685), (653, 18721), (685, 18823), (730, 18880), (766, 18970), (849, 19210), (873, 19288),

Gene: Wendigo_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Wendigo_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 149

Candidate Starts for Whabigail7_30:

(Start: 128 @20659 has 37 MA's), (Start: 149 @20683 has 636 MA's), (231, 20782), (265, 20866), (284, 20917), (285, 20920), (314, 20992), (315, 20995), (336, 21049), (353, 21088), (389, 21166), (428, 21253), (472, 21334), (476, 21337), (553, 21523), (594, 21610), (648, 21715), (653, 21730), (692, 21856), (697, 21862), (718, 21910), (753, 21988), (755, 21994), (774, 22048), (785, 22087), (788, 22102), (813, 22186), (861, 22297),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 216

Candidate Starts for Whack_18:

(Start: 216 @17086 has 1 MA's), (274, 17212), (283, 17242), (394, 17488), (398, 17503), (428, 17578), (480, 17668), (481, 17671), (482, 17674), (512, 17734), (594, 17914), (667, 18070), (733, 18172), (741, 18184), (746, 18193), (777, 18286), (789, 18331), (794, 18352), (826, 18439), (892, 18616), (896, 18628), (901, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 129

Candidate Starts for Whatsapiecost_16:

(Start: 129 @14856 has 222 MA's), (199, 14943), (Start: 233 @14988 has 2 MA's), (242, 15012), (283, 15117), (286, 15123), (292, 15141), (305, 15171), (350, 15276), (379, 15336), (389, 15357), (394, 15366), (401, 15390), (475, 15516), (480, 15531), (482, 15537), (504, 15573), (506, 15576), (511, 15588), (512, 15594), (526, 15642), (531, 15654), (535, 15660), (574, 15720), (579, 15732), (593, 15768), (597, 15780), (624, 15855), (628, 15864), (638, 15882), (642, 15888), (652, 15918), (718,

16023), (721, 16032), (722, 16035), (738, 16071), (766, 16149), (794, 16248), (801, 16269), (811, 16302), (826, 16332), (835, 16362), (841, 16371), (844, 16377), (859, 16392), (860, 16395), (865, 16419), (876, 16449), (881, 16461), (886, 16491), (899, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 168

Candidate Starts for WheatThin_22:

(103, 17269), (Start: 168 @17344 has 17 MA's), (Start: 233 @17437 has 2 MA's), (238, 17452), (241, 17458), (273, 17533), (295, 17605), (334, 17716), (354, 17761), (361, 17779), (365, 17791), (455, 17962), (460, 17971), (463, 17977), (475, 18010), (506, 18073), (523, 18124), (557, 18148), (573, 18172), (601, 18247), (614, 18286), (667, 18418), (721, 18532), (761, 18619), (794, 18733), (797, 18742), (835, 18847), (877, 18934), (910, 19042),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 151

Candidate Starts for Wheeler_27:

(Start: 151 @21414 has 225 MA's), (Start: 167 @21435 has 5 MA's), (Start: 195 @21477 has 1 MA's), (228, 21522), (315, 21738), (333, 21783), (336, 21792), (353, 21831), (377, 21882), (378, 21885), (416, 21978), (476, 22080), (510, 22149), (593, 22350), (594, 22353), (601, 22374), (652, 22470), (653, 22473), (655, 22479), (679, 22548), (684, 22566), (686, 22575), (697, 22605), (731, 22701), (747, 22734), (753, 22749), (795, 22890), (813, 22947), (861, 23058), (907, 23211),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 170

Candidate Starts for Wheezy_41:

(Start: 170 @29808 has 41 MA's), (Start: 200 @29844 has 1 MA's), (212, 29862), (Start: 246 @29922 has 1 MA's), (338, 30162), (343, 30174), (347, 30189), (381, 30255), (388, 30270), (399, 30294), (400, 30297), (435, 30381), (454, 30411), (456, 30414), (501, 30471), (518, 30519), (519, 30522), (525, 30543), (587, 30648), (602, 30693), (626, 30735), (717, 30909), (727, 30939), (731, 30945), (779, 31053), (780, 31056), (801, 31131), (886, 31350), (905, 31407),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Whiteclaw_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 149

Candidate Starts for Whitney_21:

(119, 17186), (Start: 149 @17225 has 636 MA's), (Start: 156 @17237 has 1 MA's), (159, 17240), (185, 17276), (Start: 215 @17315 has 57 MA's), (231, 17336), (249, 17378), (253, 17384), (254, 17387), (260, 17399), (273, 17435), (284, 17471), (304, 17528), (319, 17576), (332, 17603), (377, 17705), (395, 17744), (416, 17801), (427, 17819), (436, 17828), (441, 17834), (467, 17882), (477, 17912), (494, 17948), (499, 17954), (509, 17975), (510, 17978), (525, 18029), (554, 18056), (555, 18059), (571, 18086), (584, 18113), (611, 18185), (637, 18224), (663, 18278), (686, 18350), (701, 18395), (736, 18458), (748, 18485), (749, 18488), (755, 18503), (792, 18587), (794, 18596), (795, 18599), (797, 18605), (801, 18617), (803, 18620), (812, 18650), (814, 18656), (824, 18677), (826, 18680), (849, 18734), (861, 18764), (862, 18773), (878, 18824), (886, 18857), (890, 18869), (895, 18887),

Gene: Whitspit_28 Start: 21829, Stop: 23568, Start Num: 195

Candidate Starts for Whitspit_28:

(Start: 151 @21766 has 225 MA's), (Start: 167 @21787 has 5 MA's), (Start: 195 @21829 has 1 MA's), (228, 21874), (315, 22090), (333, 22135), (336, 22144), (353, 22183), (377, 22234), (378, 22237), (416, 22330), (476, 22432), (510, 22501), (593, 22702), (594, 22705), (601, 22726), (652, 22822),

(653, 22825), (655, 22831), (679, 22900), (684, 22918), (686, 22927), (697, 22957), (731, 23053), (747, 23086), (753, 23101), (795, 23242), (813, 23299), (861, 23410), (907, 23563),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 170

Candidate Starts for WhoseManz_43:

(Start: 170 @27503 has 41 MA's), (Start: 178 @27515 has 57 MA's), (Start: 200 @27539 has 1 MA's), (Start: 246 @27617 has 1 MA's), (315, 27800), (338, 27857), (343, 27869), (347, 27884), (381, 27950), (388, 27965), (399, 27989), (435, 28076), (438, 28082), (454, 28106), (501, 28166), (513, 28196), (519, 28217), (576, 28322), (587, 28343), (626, 28430), (652, 28478), (717, 28604), (731, 28640), (794, 28805), (800, 28823), (811, 28859), (884, 29033), (886, 29045), (905, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 129

Candidate Starts for Whouxphf_16:

(Start: 129 @14910 has 222 MA's), (199, 14997), (Start: 215 @15018 has 57 MA's), (Start: 233 @15042 has 2 MA's), (242, 15066), (283, 15171), (286, 15177), (292, 15195), (305, 15225), (350, 15330), (379, 15390), (389, 15411), (394, 15420), (401, 15444), (413, 15480), (415, 15486), (427, 15498), (453, 15519), (469, 15552), (475, 15570), (480, 15585), (482, 15591), (504, 15627), (511, 15642), (512, 15648), (526, 15696), (531, 15708), (535, 15714), (574, 15774), (593, 15822), (597, 15834), (604, 15855), (624, 15909), (628, 15918), (638, 15936), (642, 15942), (652, 15972), (718, 16077), (722, 16089), (738, 16125), (766, 16203), (794, 16302), (801, 16323), (811, 16356), (826, 16386), (835, 16416), (839, 16422), (841, 16425), (844, 16431), (859, 16446), (860, 16449), (864, 16470), (865, 16473), (881, 16515), (899, 16587),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 149

Candidate Starts for WideWale_30:

(Start: 128 @20632 has 37 MA's), (Start: 149 @20656 has 636 MA's), (245, 20791), (284, 20890), (285, 20893), (314, 20965), (315, 20968), (336, 21022), (339, 21028), (366, 21091), (389, 21139), (401, 21172), (428, 21226), (472, 21307), (476, 21310), (487, 21340), (553, 21496), (594, 21583), (653, 21703), (691, 21826), (692, 21829), (697, 21835), (718, 21883), (747, 21946), (753, 21961), (755, 21967), (774, 22021), (785, 22060), (788, 22075), (797, 22108), (811, 22153), (859, 22264), (861, 22270), (876, 22324),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 208

Candidate Starts for Widow_18:

(Start: 208 @15130 has 12 MA's), (260, 15226), (321, 15394), (327, 15406), (350, 15457), (404, 15580), (470, 15697), (508, 15775), (531, 15850), (551, 15883), (594, 15976), (601, 15997), (650, 16114), (667, 16156), (671, 16174), (678, 16186), (679, 16189), (750, 16294), (753, 16300), (758, 16315), (777, 16372), (862, 16591), (890, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 134

Candidate Starts for Wiggin_27:

(Start: 134 @20250 has 130 MA's), (Start: 196 @20334 has 48 MA's), (Start: 246 @20412 has 1 MA's), (280, 20499), (286, 20514), (305, 20562), (320, 20601), (361, 20688), (377, 20721), (394, 20757), (402, 20787), (405, 20793), (458, 20862), (477, 20892), (481, 20904), (482, 20907), (512, 20964), (575, 21096), (578, 21102), (602, 21168), (604, 21174), (612, 21198), (628, 21246), (642, 21270), (647, 21279), (672, 21354), (721, 21405), (726, 21420), (786, 21582), (792, 21609), (801, 21639), (843, 21744), (879, 21822), (886, 21858), (889, 21867), (899, 21900), (906, 21915),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for Wiks_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280), (315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499), (428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609,

20937), (697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (788, 21390), (813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 149

Candidate Starts for Wilbur_27:

(Start: 128 @19803 has 37 MA's), (Start: 149 @19827 has 636 MA's), (Start: 195 @19884 has 1 MA's), (Start: 233 @19938 has 2 MA's), (238, 19953), (Start: 246 @19971 has 1 MA's), (280, 20055), (284, 20067), (285, 20070), (315, 20145), (319, 20160), (336, 20199), (389, 20316), (428, 20403), (472, 20484), (499, 20532), (510, 20556), (542, 20643), (560, 20688), (594, 20760), (601, 20781), (609, 20799), (653, 20880), (684, 20973), (686, 20982), (692, 21006), (697, 21012), (702, 21036), (731, 21090), (744, 21111), (761, 21162), (770, 21186), (786, 21240), (813, 21336), (859, 21441), (862, 21456), (893, 21564), (899, 21582),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 106

Candidate Starts for Wildflower_56:

(Start: 106 @33020 has 2 MA's), (Start: 113 @33029 has 28 MA's), (Start: 179 @33119 has 33 MA's), (253, 33236), (265, 33272), (275, 33293), (283, 33320), (286, 33326), (299, 33356), (308, 33380), (330, 33431), (394, 33569), (396, 33575), (412, 33626), (413, 33629), (427, 33647), (475, 33698), (482, 33719), (483, 33722), (504, 33755), (511, 33770), (512, 33776), (526, 33824), (528, 33830), (531, 33836), (563, 33896), (574, 33920), (575, 33923), (593, 33968), (598, 33983), (601, 33992), (604, 34001), (618, 34046), (628, 34064), (647, 34097), (722, 34235), (730, 34256), (758, 34322), (768, 34352), (784, 34406), (794, 34448), (801, 34469), (807, 34490), (811, 34502), (821, 34523), (844, 34577), (879, 34655), (886, 34691), (892, 34712), (900, 34739),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 149

Candidate Starts for Wile_27:

(Start: 128 @19812 has 37 MA's), (Start: 149 @19836 has 636 MA's), (Start: 153 @19842 has 10 MA's), (Start: 195 @19896 has 1 MA's), (238, 19965), (273, 20043), (280, 20067), (285, 20082), (302, 20118), (315, 20157), (319, 20172), (336, 20211), (378, 20304), (389, 20328), (428, 20415), (487, 20529), (510, 20568), (542, 20655), (560, 20700), (593, 20769), (601, 20793), (606, 20805), (653, 20892), (679, 20967), (684, 20985), (686, 20994), (692, 21018), (697, 21024), (700, 21039), (712, 21072), (730, 21117), (731, 21120), (744, 21141), (813, 21366), (849, 21444), (859, 21471), (861, 21477), (899, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 151

Candidate Starts for Wilkins_27:

(Start: 151 @20952 has 225 MA's), (Start: 167 @20973 has 5 MA's), (Start: 195 @21015 has 1 MA's), (228, 21060), (315, 21276), (333, 21321), (336, 21330), (353, 21369), (377, 21420), (378, 21423), (416, 21516), (476, 21618), (510, 21687), (589, 21876), (593, 21888), (594, 21891), (601, 21912), (652, 22008), (653, 22011), (655, 22017), (679, 22086), (684, 22104), (686, 22113), (697, 22143), (731, 22239), (747, 22272), (753, 22287), (763, 22317), (795, 22428), (813, 22485), (861, 22596),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 129

Candidate Starts for WillSterrel_17:

(Start: 129 @16164 has 222 MA's), (199, 16251), (Start: 233 @16296 has 2 MA's), (242, 16320), (283, 16425), (286, 16431), (292, 16449), (305, 16479), (350, 16584), (379, 16644), (389, 16665), (394, 16674), (401, 16698), (413, 16734), (415, 16740), (453, 16773), (455, 16776), (460, 16785), (467, 16800), (469, 16806), (475, 16824), (480, 16839), (482, 16845), (490, 16863), (493, 16866), (504, 16881), (511, 16896), (512, 16902), (526, 16950), (531, 16962), (535, 16968), (574, 17028), (579, 17040), (593, 17076), (597, 17088), (624, 17163), (628, 17172), (638, 17190), (642, 17196), (652, 17226), (718, 17331), (722, 17343), (738, 17379), (766, 17457), (801, 17577), (811, 17610), (826, 17640), (829, 17652), (835, 17670), (839, 17676), (841, 17679), (844, 17685), (859, 17700), (860, 17703), (864, 17724), (865, 17727), (881, 17769), (886, 17799), (899, 17841), (900, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 196

Candidate Starts for Willez_23:

(Start: 134 @19250 has 130 MA's), (Start: 196 @19334 has 48 MA's), (Start: 246 @19412 has 1 MA's), (280, 19499), (286, 19514), (305, 19562), (320, 19601), (361, 19688), (377, 19721), (394, 19757), (402, 19787), (405, 19793), (458, 19862), (477, 19892), (481, 19904), (482, 19907), (512, 19964), (575, 20096), (578, 20102), (602, 20168), (604, 20174), (612, 20198), (628, 20246), (642, 20270), (647, 20279), (672, 20354), (721, 20405), (726, 20420), (786, 20582), (792, 20609), (801, 20639), (843, 20744), (879, 20822), (886, 20858), (889, 20867), (899, 20900), (906, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 215

Candidate Starts for William_19:

(4, 15642), (6, 15687), (7, 15711), (8, 15717), (9, 15825), (12, 15873), (17, 15945), (25, 16020), (35, 16158), (38, 16188), (39, 16194), (53, 16326), (59, 16383), (60, 16392), (114, 16551), (187, 16653), (Start: 215 @16689 has 57 MA's), (266, 16794), (296, 16872), (320, 16932), (326, 16944), (328, 16947), (340, 16971), (371, 17046), (410, 17145), (415, 17160), (472, 17244), (476, 17256), (479, 17265), (480, 17268), (488, 17289), (512, 17331), (521, 17361), (604, 17544), (612, 17568), (625, 17619), (659, 17712), (664, 17724), (713, 17784), (763, 17919), (790, 18012), (792, 18018), (797, 18036), (813, 18087), (838, 18147), (842, 18153), (876, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 150

Candidate Starts for WilliamBoone_48:

(Start: 150 @28921 has 17 MA's), (192, 28981), (Start: 214 @29014 has 22 MA's), (234, 29047), (237, 29056), (272, 29137), (274, 29143), (299, 29215), (347, 29338), (353, 29344), (375, 29392), (401, 29455), (512, 29605), (514, 29611), (521, 29635), (587, 29764), (593, 29785), (633, 29905), (672, 30016), (718, 30058), (749, 30130), (763, 30169), (792, 30268), (795, 30280), (798, 30289), (829, 30373), (897, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 122

Candidate Starts for Willsammy_19:

(Start: 107 @16253 has 2 MA's), (Start: 122 @16277 has 48 MA's), (Start: 170 @16337 has 41 MA's), (183, 16358), (185, 16361), (260, 16481), (274, 16520), (284, 16553), (294, 16577), (344, 16697), (361, 16736), (363, 16742), (399, 16826), (401, 16832), (405, 16844), (413, 16868), (442, 16895), (458, 16913), (473, 16952), (475, 16958), (483, 16982), (512, 17036), (516, 17048), (518, 17057), (545, 17117), (583, 17195), (597, 17234), (609, 17267), (628, 17333), (636, 17348), (642, 17357), (650, 17381), (660, 17411), (667, 17423), (733, 17525), (741, 17537), (744, 17540), (746, 17546), (748, 17555), (784, 17663), (807, 17747), (852, 17846), (889, 17954), (906, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 113

Candidate Starts for Winget_57:

(Start: 106 @33726 has 2 MA's), (Start: 113 @33735 has 28 MA's), (Start: 179 @33825 has 33 MA's), (253, 33942), (265, 33978), (275, 33999), (283, 34026), (286, 34032), (299, 34062), (308, 34086), (330, 34137), (394, 34275), (396, 34281), (412, 34332), (413, 34335), (427, 34353), (475, 34404), (482, 34425), (483, 34428), (511, 34476), (512, 34482), (526, 34530), (528, 34536), (531, 34542), (563, 34602), (574, 34626), (575, 34629), (593, 34674), (598, 34689), (601, 34698), (604, 34707), (618, 34752), (628, 34770), (647, 34803), (722, 34941), (730, 34962), (758, 35028), (768, 35058), (784, 35112), (794, 35154), (801, 35175), (807, 35196), (811, 35208), (821, 35229), (844, 35283), (879, 35361), (886, 35397), (892, 35418), (900, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 178

Candidate Starts for WinkNick_20:

(96, 17205), (Start: 178 @17322 has 57 MA's), (308, 17580), (316, 17601), (338, 17655), (356, 17694), (378, 17751), (388, 17772), (510, 17943), (515, 17961), (522, 17985), (528, 18006), (568, 18048),

(602, 18129), (653, 18219), (667, 18264), (685, 18321), (686, 18324), (730, 18378), (766, 18468), (862, 18747), (864, 18756), (873, 18786),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 118

Candidate Starts for Wintermute_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 116 @18619 has 42 MA's), (Start: 118 @18622 has 152 MA's), (Start: 140 @18637 has 3 MA's), (Start: 171 @18679 has 8 MA's), (205, 18727), (Start: 233 @18766 has 2 MA's), (238, 18781), (Start: 246 @18799 has 1 MA's), (262, 18832), (273, 18862), (288, 18907), (294, 18925), (317, 18997), (319, 19003), (333, 19033), (334, 19036), (361, 19099), (365, 19111), (420, 19246), (427, 19264), (455, 19294), (459, 19300), (467, 19318), (477, 19348), (496, 19387), (574, 19513), (598, 19576), (669, 19777), (686, 19831), (718, 19876), (739, 19921), (749, 19945), (761, 19978), (773, 20011), (792, 20083), (795, 20095), (811, 20146), (813, 20152), (864, 20254), (900, 20380), (910, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 116

Candidate Starts for Wishmaker_22:

(Start: 116 @17406 has 42 MA's), (Start: 121 @17415 has 18 MA's), (155, 17457), (193, 17508), (Start: 213 @17532 has 1 MA's), (219, 17544), (Start: 233 @17565 has 2 MA's), (238, 17580), (247, 17598), (263, 17631), (272, 17658), (294, 17730), (323, 17820), (360, 17904), (363, 17913), (373, 17934), (401, 18000), (411, 18027), (425, 18060), (445, 18078), (460, 18099), (467, 18114), (468, 18117), (496, 18183), (499, 18186), (523, 18252), (537, 18264), (557, 18273), (564, 18276), (598, 18363), (615, 18417), (643, 18462), (646, 18468), (668, 18540), (679, 18570), (686, 18597), (715, 18633), (718, 18642), (761, 18720), (804, 18864), (809, 18882), (813, 18894), (822, 18909), (824, 18912), (831, 18933), (835, 18945), (864, 18993), (875, 19026), (895, 19101), (900, 19119), (910, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 215

Candidate Starts for Wisp_18:

(187, 16327), (Start: 215 @16363 has 57 MA's), (266, 16465), (296, 16543), (298, 16546), (340, 16642), (357, 16681), (382, 16741), (392, 16762), (410, 16816), (415, 16831), (512, 17002), (521, 17032), (604, 17215), (612, 17239), (625, 17290), (659, 17383), (664, 17395), (682, 17440), (713, 17455), (762, 17587), (763, 17590), (792, 17689), (797, 17707), (813, 17758), (842, 17824), (871, 17887), (876, 17899),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 102

Candidate Starts for Wizard_31:

(85, 25951), (Start: 102 @25993 has 86 MA's), (Start: 126 @26029 has 1 MA's), (Start: 153 @26062 has 10 MA's), (274, 26272), (275, 26275), (284, 26305), (307, 26371), (315, 26395), (317, 26404), (332, 26437), (399, 26590), (416, 26629), (453, 26680), (460, 26692), (467, 26710), (471, 26722), (475, 26734), (480, 26749), (496, 26779), (499, 26782), (509, 26803), (554, 26875), (579, 26923), (620, 27034), (649, 27067), (660, 27106), (663, 27109), (686, 27181), (715, 27247), (719, 27259), (795, 27430), (796, 27433), (811, 27481), (824, 27508), (833, 27535), (859, 27589), (890, 27706), (896, 27727), (907, 27754),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 149

Candidate Starts for Wizard007_27:

(Start: 128 @19805 has 37 MA's), (Start: 149 @19829 has 636 MA's), (Start: 195 @19886 has 1 MA's), (Start: 233 @19940 has 2 MA's), (238, 19955), (Start: 246 @19973 has 1 MA's), (280, 20057), (284, 20069), (285, 20072), (315, 20147), (319, 20162), (336, 20201), (389, 20318), (428, 20405), (472, 20486), (499, 20534), (510, 20558), (542, 20645), (560, 20690), (594, 20762), (601, 20783), (609, 20801), (653, 20882), (684, 20975), (686, 20984), (692, 21008), (697, 21014), (702, 21038), (731, 21092), (744, 21113), (761, 21164), (770, 21188), (786, 21242), (813, 21338), (859, 21443), (862, 21458), (893, 21566), (899, 21584),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 215

Candidate Starts for Wocket_20:

(187, 16801), (Start: 215 @16837 has 57 MA's), (266, 16939), (296, 17017), (340, 17116), (357, 17155), (374, 17200), (392, 17236), (410, 17290), (415, 17305), (447, 17338), (472, 17389), (512, 17476), (521, 17506), (604, 17689), (612, 17713), (659, 17857), (664, 17869), (713, 17929), (762, 18061), (763, 18064), (792, 18163), (797, 18181), (813, 18232), (838, 18292), (842, 18298), (871, 18361), (876, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 113

Candidate Starts for Wogge42_55:

(Start: 106 @33167 has 2 MA's), (Start: 113 @33176 has 28 MA's), (Start: 179 @33266 has 33 MA's), (253, 33383), (265, 33419), (275, 33440), (283, 33467), (286, 33473), (299, 33503), (308, 33527), (330, 33578), (394, 33716), (396, 33722), (412, 33773), (413, 33776), (427, 33794), (475, 33845), (482, 33866), (483, 33869), (511, 33917), (512, 33923), (526, 33971), (528, 33977), (531, 33983), (563, 34043), (574, 34067), (575, 34070), (593, 34115), (598, 34130), (601, 34139), (604, 34148), (618, 34193), (628, 34211), (647, 34244), (722, 34382), (730, 34403), (758, 34469), (768, 34499), (784, 34553), (794, 34595), (801, 34616), (807, 34637), (811, 34649), (821, 34670), (844, 34724), (879, 34802), (886, 34838), (892, 34859), (900, 34886),

Gene: Wolfwood_20 Start: 16703, Stop: 18397, Start Num: 149

Candidate Starts for Wolfwood_20:

(37, 16292), (42, 16328), (48, 16379), (Start: 149 @16703 has 636 MA's), (Start: 156 @16715 has 1 MA's), (299, 16988), (301, 16991), (315, 17036), (319, 17051), (353, 17129), (373, 17174), (416, 17276), (441, 17309), (449, 17321), (451, 17324), (475, 17381), (487, 17414), (499, 17429), (522, 17495), (555, 17537), (560, 17546), (584, 17591), (606, 17654), (652, 17735), (657, 17753), (660, 17762), (664, 17771), (684, 17828), (686, 17837), (753, 17969), (769, 17996), (781, 18017), (794, 18068), (795, 18071), (830, 18167), (842, 18194), (847, 18203), (849, 18206), (861, 18236), (864, 18254), (880, 18299), (906, 18389),

Gene: Wolpertinger_27 Start: 20752, Stop: 22551, Start Num: 149

Candidate Starts for Wolpertinger_27:

(98, 20686), (Start: 128 @20728 has 37 MA's), (Start: 149 @20752 has 636 MA's), (188, 20794), (Start: 246 @20890 has 1 MA's), (255, 20905), (284, 20986), (285, 20989), (315, 21064), (319, 21079), (336, 21118), (339, 21124), (361, 21175), (389, 21235), (393, 21241), (428, 21322), (476, 21406), (526, 21532), (533, 21550), (550, 21577), (609, 21718), (648, 21784), (652, 21796), (653, 21799), (712, 21988), (721, 22015), (726, 22024), (736, 22045), (738, 22048), (747, 22069), (753, 22084), (761, 22108), (785, 22183), (788, 22198), (813, 22282), (859, 22387), (861, 22393), (876, 22447), (907, 22546),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 149

Candidate Starts for Wooldri_31:

(Start: 149 @20290 has 636 MA's), (Start: 195 @20347 has 1 MA's), (205, 20362), (231, 20395), (238, 20416), (245, 20431), (280, 20518), (284, 20530), (285, 20533), (315, 20608), (319, 20623), (335, 20659), (428, 20866), (487, 20980), (510, 21019), (542, 21106), (593, 21220), (601, 21244), (609, 21262), (653, 21343), (679, 21418), (684, 21436), (692, 21469), (697, 21475), (706, 21514), (730, 21568), (731, 21571), (744, 21592), (763, 21649), (813, 21817), (859, 21922), (861, 21928), (899, 22063),

Gene: WorldCup_26 Start: 19606, Stop: 21396, Start Num: 149

Candidate Starts for WorldCup_26:

(98, 19540), (Start: 136 @19591 has 1 MA's), (Start: 149 @19606 has 636 MA's), (228, 19702), (231, 19705), (274, 19807), (284, 19840), (285, 19843), (314, 19915), (315, 19918), (336, 19972), (339,

19978), (377, 20062), (389, 20089), (393, 20095), (395, 20101), (428, 20176), (472, 20257), (476, 20260), (506, 20320), (553, 20446), (587, 20509), (594, 20533), (606, 20566), (609, 20572), (653, 20653), (706, 20824), (731, 20881), (747, 20914), (753, 20929), (761, 20953), (774, 20989), (785, 21028), (788, 21043), (813, 21127), (842, 21193), (859, 21232), (861, 21238), (872, 21283),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 117

Candidate Starts for Wrigley_20:

(Start: 100 @17403 has 1 MA's), (Start: 117 @17427 has 26 MA's), (197, 17532), (230, 17574), (265, 17649), (313, 17763), (373, 17910), (377, 17916), (470, 18099), (508, 18174), (652, 18456), (658, 18477), (684, 18552), (719, 18639), (740, 18675), (753, 18708), (755, 18714), (787, 18780), (795, 18810), (859, 18966), (861, 18972), (864, 18990), (896, 19101),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for WunderPhul_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280), (315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499), (428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609, 20937), (697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (786, 21378), (813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for XFactor_16:

(Start: 129 @14812 has 222 MA's), (199, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (283, 15073), (286, 15079), (292, 15097), (305, 15127), (350, 15232), (379, 15292), (389, 15313), (394, 15322), (401, 15346), (475, 15472), (480, 15487), (482, 15493), (504, 15529), (506, 15532), (511, 15544), (512, 15550), (526, 15598), (531, 15610), (535, 15616), (574, 15676), (579, 15688), (593, 15724), (597, 15736), (624, 15811), (628, 15820), (638, 15838), (642, 15844), (652, 15874), (718, 15979), (722, 15991), (738, 16027), (766, 16105), (794, 16204), (801, 16225), (811, 16258), (826, 16288), (835, 16318), (841, 16327), (844, 16333), (859, 16348), (860, 16351), (865, 16375), (876, 16405), (881, 16417), (886, 16447), (899, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 196

Candidate Starts for Xandras_26:

(Start: 134 @19736 has 130 MA's), (Start: 196 @19820 has 48 MA's), (Start: 246 @19898 has 1 MA's), (280, 19985), (286, 20000), (305, 20048), (320, 20087), (361, 20174), (377, 20207), (394, 20243), (402, 20273), (405, 20279), (458, 20348), (477, 20378), (481, 20390), (482, 20393), (512, 20450), (575, 20582), (578, 20588), (602, 20654), (604, 20660), (612, 20684), (628, 20732), (642, 20756), (647, 20765), (672, 20840), (721, 20891), (726, 20906), (786, 21068), (792, 21095), (801, 21125), (843, 21230), (879, 21308), (886, 21344), (889, 21353), (899, 21386), (906, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 122

Candidate Starts for Xavia_19:

(Start: 107 @16365 has 2 MA's), (Start: 122 @16389 has 48 MA's), (Start: 170 @16449 has 41 MA's), (183, 16470), (185, 16473), (257, 16587), (260, 16593), (274, 16632), (284, 16665), (294, 16689), (344, 16809), (361, 16848), (363, 16854), (399, 16938), (401, 16944), (405, 16956), (413, 16980), (458, 17025), (473, 17064), (475, 17070), (483, 17094), (512, 17148), (516, 17160), (518, 17169), (545, 17229), (583, 17307), (597, 17346), (609, 17379), (628, 17445), (636, 17460), (642, 17469), (650, 17493), (660, 17523), (667, 17535), (733, 17637), (741, 17649), (744, 17652), (746, 17658), (748, 17667), (784, 17775), (807, 17859), (852, 17958), (889, 18066), (906, 18114),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 149

Candidate Starts for Xena_27:

(Start: 128 @19799 has 37 MA's), (Start: 149 @19823 has 636 MA's), (Start: 153 @19829 has 10 MA's), (Start: 195 @19883 has 1 MA's), (238, 19952), (273, 20030), (280, 20054), (285, 20069), (302, 20105), (315, 20144), (319, 20159), (336, 20198), (378, 20291), (389, 20315), (428, 20402), (487, 20516), (510, 20555), (542, 20642), (560, 20687), (593, 20756), (601, 20780), (606, 20792), (653, 20879), (679, 20954), (684, 20972), (686, 20981), (692, 21005), (697, 21011), (700, 21026), (712, 21059), (730, 21104), (731, 21107), (744, 21128), (813, 21353), (849, 21431), (859, 21458), (861, 21464), (899, 21599),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xeno_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xerxes_18:

(Start: 134 @14986 has 130 MA's), (155, 15013), (Start: 233 @15118 has 2 MA's), (237, 15130), (254, 15166), (274, 15217), (283, 15247), (286, 15253), (297, 15280), (301, 15286), (350, 15406), (376, 15460), (379, 15466), (388, 15484), (394, 15496), (395, 15499), (401, 15520), (415, 15562), (453, 15595), (475, 15646), (480, 15661), (504, 15703), (511, 15718), (512, 15724), (526, 15772), (539, 15796), (554, 15826), (574, 15850), (597, 15910), (601, 15922), (618, 15976), (624, 15985), (651, 16045), (652, 16048), (718, 16153), (721, 16162), (738, 16201), (785, 16339), (834, 16489), (835, 16492), (841, 16501), (859, 16522), (865, 16549), (879, 16585), (906, 16678),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 128

Candidate Starts for XianYue_28:

(98, 20070), (Start: 128 @20112 has 37 MA's), (Start: 149 @20136 has 636 MA's), (231, 20235), (255, 20289), (284, 20370), (285, 20373), (314, 20445), (315, 20448), (336, 20502), (361, 20559), (373, 20586), (428, 20706), (472, 20787), (476, 20790), (487, 20820), (542, 20946), (594, 21063), (652, 21180), (653, 21183), (697, 21315), (747, 21426), (753, 21441), (755, 21447), (774, 21501), (785, 21540), (788, 21555), (797, 21588), (849, 21717), (859, 21744), (861, 21750), (864, 21768), (876, 21804),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 118

Candidate Starts for Ximenita_23:

(Start: 111 @16490 has 26 MA's), (Start: 118 @16499 has 152 MA's), (143, 16529), (Start: 233 @16655 has 2 MA's), (238, 16670), (Start: 246 @16688 has 1 MA's), (262, 16721), (273, 16751), (288, 16796), (317, 16886), (333, 16922), (365, 17000), (369, 17009), (412, 17114), (413, 17117), (455, 17183), (459, 17189), (475, 17231), (477, 17237), (582, 17420), (603, 17480), (628, 17537), (649, 17582), (653, 17594), (669, 17642), (718, 17741), (749, 17801), (762, 17837), (776, 17876), (795, 17951), (811, 18002), (813, 18008), (900, 18236), (901, 18239), (910, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 137

Candidate Starts for Xula_18:

(Start: 137 @16123 has 56 MA's), (Start: 214 @16222 has 22 MA's), (219, 16231), (254, 16297), (264, 16321), (284, 16381), (286, 16384), (297, 16411), (376, 16591), (388, 16615), (394, 16627), (401, 16651), (475, 16777), (480, 16792), (483, 16801), (506, 16837), (512, 16855), (618, 17107), (624, 17116), (642, 17149), (721, 17293), (741, 17338), (777, 17440), (779, 17449), (784, 17467), (785, 17470), (813, 17569), (835, 17629), (846, 17647), (859, 17683), (862, 17698), (879, 17746), (896,

17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 140

Candidate Starts for Y10_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 116 @18619 has 42 MA's), (Start: 118 @18622 has 152 MA's), (Start: 140 @18637 has 3 MA's), (Start: 171 @18679 has 8 MA's), (205, 18727), (Start: 233 @18766 has 2 MA's), (238, 18781), (Start: 246 @18799 has 1 MA's), (262, 18832), (273, 18862), (288, 18907), (294, 18925), (317, 18997), (319, 19003), (333, 19033), (334, 19036), (361, 19099), (365, 19111), (420, 19246), (427, 19264), (455, 19294), (459, 19300), (467, 19318), (477, 19348), (496, 19387), (574, 19513), (598, 19576), (669, 19777), (686, 19831), (718, 19876), (739, 19921), (749, 19945), (761, 19978), (773, 20011), (792, 20083), (795, 20095), (811, 20146), (813, 20152), (864, 20254), (900, 20380), (910, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 140

Candidate Starts for Y2_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 116 @18619 has 42 MA's), (Start: 118 @18622 has 152 MA's), (Start: 140 @18637 has 3 MA's), (Start: 171 @18679 has 8 MA's), (205, 18727), (Start: 233 @18766 has 2 MA's), (238, 18781), (Start: 246 @18799 has 1 MA's), (262, 18832), (273, 18862), (288, 18907), (294, 18925), (317, 18997), (319, 19003), (333, 19033), (334, 19036), (361, 19099), (365, 19111), (420, 19246), (427, 19264), (455, 19294), (459, 19300), (467, 19318), (477, 19348), (496, 19387), (574, 19513), (598, 19576), (669, 19777), (686, 19831), (718, 19876), (739, 19921), (749, 19945), (761, 19978), (773, 20011), (792, 20083), (795, 20095), (811, 20146), (813, 20152), (864, 20254), (900, 20380), (910, 20401),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 149

Candidate Starts for Yakult_19:

(119, 15290), (Start: 139 @15317 has 9 MA's), (Start: 149 @15320 has 636 MA's), (Start: 215 @15404 has 57 MA's), (274, 15527), (284, 15560), (311, 15638), (353, 15743), (361, 15761), (373, 15788), (388, 15818), (398, 15845), (416, 15890), (441, 15920), (449, 15932), (453, 15938), (455, 15941), (463, 15959), (487, 16025), (522, 16106), (553, 16142), (555, 16148), (560, 16157), (571, 16175), (591, 16220), (627, 16304), (651, 16340), (652, 16343), (653, 16346), (657, 16361), (660, 16370), (664, 16379), (684, 16436), (748, 16565), (753, 16577), (758, 16592), (769, 16604), (794, 16676), (795, 16679), (796, 16682), (806, 16715), (817, 16745), (830, 16778), (847, 16814), (849, 16817), (861, 16847), (862, 16856), (895, 16973), (906, 17000),

Gene: YangYin_18 Start: 17002, Stop: 18726, Start Num: 137

Candidate Starts for YangYin_18:

(Start: 137 @17002 has 56 MA's), (234, 17122), (262, 17185), (273, 17215), (301, 17290), (315, 17341), (317, 17350), (319, 17356), (333, 17386), (335, 17392), (358, 17446), (388, 17509), (408, 17566), (459, 17662), (463, 17671), (477, 17710), (496, 17749), (512, 17785), (653, 18067), (669, 18115), (679, 18142), (688, 18178), (735, 18232), (801, 18430), (808, 18454), (811, 18463), (831, 18511), (889, 18658), (901, 18700), (903, 18703),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 149

Candidate Starts for Yarn_17:

(Start: 139 @15388 has 9 MA's), (Start: 149 @15391 has 636 MA's), (226, 15493), (Start: 233 @15505 has 2 MA's), (274, 15601), (302, 15685), (335, 15775), (361, 15835), (373, 15862), (388, 15892), (389, 15895), (416, 15964), (441, 15997), (449, 16009), (451, 16012), (461, 16033), (463, 16036), (487, 16102), (496, 16114), (584, 16279), (653, 16429), (657, 16444), (664, 16462), (684, 16519), (753, 16660), (755, 16666), (760, 16678), (769, 16687), (794, 16759), (795, 16762), (797, 16768), (801, 16780), (842, 16885), (847, 16894), (861, 16927),

Gene: YasnayaPolyana_24 Start: 18614, Stop: 20410, Start Num: 111

Candidate Starts for YasnayaPolyana_24:

(Start: 95 @18584 has 1 MA's), (Start: 111 @18614 has 26 MA's), (Start: 116 @18620 has 42 MA's), (Start: 118 @18623 has 152 MA's), (Start: 140 @18638 has 3 MA's), (Start: 171 @18680 has 8 MA's), (205, 18728), (Start: 233 @18767 has 2 MA's), (238, 18782), (Start: 246 @18800 has 1 MA's), (262, 18833), (273, 18863), (288, 18908), (294, 18926), (317, 18998), (319, 19004), (333, 19034), (334, 19037), (361, 19100), (365, 19112), (420, 19247), (427, 19265), (455, 19295), (459, 19301), (467, 19319), (477, 19349), (496, 19388), (574, 19514), (598, 19577), (669, 19778), (686, 19832), (718, 19877), (739, 19922), (749, 19946), (761, 19979), (773, 20012), (792, 20084), (795, 20096), (811, 20147), (813, 20153), (864, 20255), (900, 20381), (910, 20402),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 196

Candidate Starts for YassJohnny_25:

(Start: 134 @20261 has 130 MA's), (Start: 196 @20345 has 48 MA's), (Start: 246 @20423 has 1 MA's), (280, 20510), (286, 20525), (305, 20573), (320, 20612), (361, 20699), (377, 20732), (394, 20768), (402, 20798), (405, 20804), (458, 20873), (477, 20903), (481, 20915), (482, 20918), (512, 20975), (575, 21107), (578, 21113), (602, 21179), (604, 21185), (612, 21209), (628, 21257), (642, 21281), (647, 21290), (672, 21365), (721, 21416), (726, 21431), (786, 21593), (792, 21620), (801, 21650), (843, 21755), (879, 21833), (886, 21869), (889, 21878), (899, 21911), (906, 21926),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 149

Candidate Starts for Yecey3_29:

(Start: 146 @19841 has 12 MA's), (Start: 149 @19844 has 636 MA's), (231, 19943), (273, 20042), (285, 20081), (314, 20153), (315, 20156), (336, 20210), (339, 20216), (361, 20267), (373, 20294), (389, 20327), (428, 20414), (472, 20495), (476, 20498), (506, 20558), (546, 20660), (587, 20747), (594, 20771), (609, 20810), (653, 20891), (657, 20906), (712, 21071), (715, 21080), (731, 21119), (753, 21167), (761, 21191), (774, 21227), (785, 21266), (786, 21269), (788, 21281), (797, 21314), (813, 21365), (842, 21431), (859, 21470), (861, 21476),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 179

Candidate Starts for Yeet412_17:

(Start: 91 @14616 has 1 MA's), (Start: 179 @14751 has 33 MA's), (271, 14940), (272, 14943), (295, 15018), (319, 15072), (347, 15141), (356, 15153), (388, 15231), (389, 15234), (444, 15366), (471, 15420), (491, 15471), (509, 15501), (526, 15561), (530, 15573), (568, 15609), (626, 15726), (637, 15744), (654, 15783), (685, 15879), (754, 15987), (847, 16263), (849, 16266), (864, 16314), (873, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 178

Candidate Starts for Yeezy_20:

(Start: 178 @17119 has 57 MA's), (308, 17377), (315, 17395), (316, 17398), (338, 17452), (372, 17527), (398, 17596), (401, 17605), (405, 17617), (409, 17629), (423, 17668), (437, 17695), (444, 17704), (445, 17707), (510, 17740), (526, 17797), (568, 17863), (617, 17974), (653, 18034), (685, 18136), (730, 18193), (766, 18283), (849, 18523), (873, 18601),

Gene: Yinzer_17 Start: 14758, Stop: 16467, Start Num: 179

Candidate Starts for Yinzer_17:

(Start: 179 @14758 has 33 MA's), (248, 14875), (295, 15025), (315, 15064), (319, 15079), (347, 15148), (356, 15160), (388, 15238), (389, 15241), (444, 15373), (471, 15427), (509, 15508), (526, 15568), (528, 15574), (530, 15580), (589, 15661), (602, 15697), (626, 15733), (637, 15751), (654, 15790), (679, 15862), (685, 15886), (792, 16120), (796, 16135), (809, 16177), (847, 16270), (849, 16273), (864, 16321), (873, 16351),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 170

Candidate Starts for Yndexa_43:

(Start: 170 @29457 has 41 MA's), (Start: 176 @29466 has 1 MA's), (Start: 178 @29469 has 57 MA's), (Start: 200 @29493 has 1 MA's), (Start: 246 @29571 has 1 MA's), (315, 29754), (338, 29811), (343, 29823), (347, 29838), (381, 29904), (388, 29919), (399, 29943), (435, 30030), (438, 30036), (454, 30060), (501, 30120), (513, 30150), (519, 30171), (576, 30276), (587, 30297), (626, 30384), (652, 30432), (717, 30558), (731, 30594), (794, 30759), (800, 30777), (811, 30813), (884, 30987), (886, 30999), (905, 31056),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 149

Candidate Starts for YoSam321_27:

(Start: 128 @19800 has 37 MA's), (Start: 149 @19824 has 636 MA's), (Start: 195 @19881 has 1 MA's), (Start: 233 @19935 has 2 MA's), (238, 19950), (Start: 246 @19968 has 1 MA's), (280, 20052), (284, 20064), (285, 20067), (315, 20142), (319, 20157), (336, 20196), (389, 20313), (428, 20400), (472, 20481), (499, 20529), (510, 20553), (542, 20640), (560, 20685), (594, 20757), (601, 20778), (609, 20796), (653, 20877), (684, 20970), (686, 20979), (692, 21003), (697, 21009), (702, 21033), (731, 21087), (744, 21108), (761, 21159), (770, 21183), (786, 21237), (813, 21333), (859, 21438), (862, 21453), (893, 21561), (899, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 172

Candidate Starts for Yogi_23:

(Start: 163 @16308 has 3 MA's), (Start: 172 @16323 has 32 MA's), (223, 16392), (241, 16428), (315, 16614), (368, 16743), (389, 16785), (399, 16812), (Start: 407 @16836 has 1 MA's), (416, 16854), (441, 16884), (451, 16899), (476, 16950), (514, 17034), (587, 17151), (594, 17175), (652, 17289), (668, 17337), (679, 17367), (689, 17406), (692, 17418), (718, 17448), (753, 17526), (809, 17673), (818, 17697), (833, 17733), (853, 17772), (906, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for Yokurt_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280), (315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499), (428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609, 20937), (697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (788, 21390), (813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 172

Candidate Starts for Yoncess_23:

(Start: 163 @16308 has 3 MA's), (Start: 172 @16323 has 32 MA's), (203, 16365), (223, 16392), (241, 16428), (315, 16614), (368, 16743), (389, 16785), (399, 16812), (Start: 407 @16836 has 1 MA's), (416, 16854), (441, 16884), (451, 16899), (476, 16950), (514, 17034), (587, 17151), (594, 17175), (652, 17289), (668, 17337), (679, 17367), (689, 17406), (692, 17418), (718, 17448), (753, 17526), (809, 17673), (818, 17697), (833, 17733), (853, 17772), (906, 17940),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 129

Candidate Starts for Yorick_16:

(Start: 129 @14811 has 222 MA's), (199, 14898), (Start: 233 @14943 has 2 MA's), (242, 14967), (283, 15072), (286, 15078), (292, 15096), (305, 15126), (350, 15231), (376, 15285), (379, 15291), (383, 15300), (394, 15321), (401, 15345), (413, 15381), (415, 15387), (453, 15420), (455, 15423), (460, 15432), (467, 15447), (469, 15453), (475, 15471), (480, 15486), (482, 15492), (490, 15510), (493, 15513), (504, 15528), (511, 15543), (512, 15549), (526, 15597), (531, 15609), (535, 15615), (574, 15675), (579, 15687), (593, 15723), (597, 15735), (624, 15810), (628, 15819), (638, 15837), (642, 15843), (652, 15873), (718, 15978), (722, 15990), (738, 16026), (766, 16104), (801, 16224), (811, 16257), (826, 16287), (829, 16299), (835, 16317), (839, 16323), (841, 16326), (844, 16332), (859, 16347), (860, 16350), (864, 16371), (865, 16374), (881, 16416), (886, 16446), (899, 16488), (900, 16494),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 102

Candidate Starts for YorkOnyx_35:

(Start: 102 @29872 has 86 MA's), (Start: 126 @29908 has 1 MA's), (223, 30037), (231, 30046), (240, 30070), (272, 30142), (275, 30151), (297, 30220), (315, 30271), (317, 30280), (333, 30316), (339, 30331), (345, 30349), (377, 30412), (397, 30457), (399, 30466), (467, 30586), (472, 30601), (475, 30610), (480, 30625), (496, 30655), (609, 30877), (616, 30895), (620, 30910), (652, 30952), (653, 30955), (660, 30982), (703, 31102), (749, 31195), (795, 31306), (796, 31309), (811, 31357), (824, 31384), (833, 31411), (859, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 153

Candidate Starts for Yoshi_19:

(Start: 153 @13743 has 10 MA's), (Start: 214 @13824 has 22 MA's), (Start: 233 @13854 has 2 MA's), (241, 13875), (248, 13887), (275, 13953), (287, 13992), (290, 14004), (301, 14028), (318, 14085), (319, 14088), (331, 14112), (333, 14118), (334, 14121), (353, 14166), (361, 14184), (378, 14220), (428, 14331), (455, 14367), (467, 14394), (471, 14406), (472, 14409), (487, 14451), (496, 14463), (509, 14487), (550, 14541), (593, 14640), (641, 14733), (653, 14760), (656, 14772), (678, 14817), (684, 14838), (686, 14847), (795, 15081), (796, 15084), (797, 15087), (842, 15204), (861, 15246), (884, 15330), (901, 15393),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 196

Candidate Starts for Youngblood_24:

(Start: 134 @19914 has 130 MA's), (Start: 196 @19998 has 48 MA's), (Start: 246 @20076 has 1 MA's), (280, 20163), (286, 20178), (305, 20226), (320, 20265), (361, 20352), (377, 20385), (394, 20421), (402, 20451), (405, 20457), (458, 20526), (477, 20556), (481, 20568), (482, 20571), (512, 20628), (575, 20760), (578, 20766), (602, 20832), (604, 20838), (612, 20862), (628, 20910), (642, 20934), (647, 20943), (672, 21018), (721, 21069), (726, 21084), (786, 21246), (792, 21273), (801, 21303), (843, 21408), (879, 21486), (886, 21522), (889, 21531), (899, 21564), (906, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 118

Candidate Starts for YoureAdopted_22:

(Start: 118 @17124 has 152 MA's), (143, 17154), (Start: 246 @17313 has 1 MA's), (262, 17346), (273, 17376), (283, 17409), (288, 17421), (317, 17511), (335, 17553), (365, 17625), (369, 17634), (389, 17673), (405, 17718), (412, 17739), (413, 17742), (445, 17796), (459, 17814), (475, 17856), (477, 17862), (487, 17889), (574, 18027), (582, 18045), (597, 18087), (603, 18105), (614, 18135), (628, 18162), (669, 18267), (749, 18426), (762, 18462), (773, 18492), (776, 18501), (795, 18576), (811, 18627), (889, 18822), (900, 18861), (901, 18864), (910, 18882),

Gene: YoyoKar_54 Start: 33019, Stop: 34755, Start Num: 113

Candidate Starts for YoyoKar_54:

(Start: 106 @33010 has 2 MA's), (Start: 113 @33019 has 28 MA's), (Start: 179 @33109 has 33 MA's), (253, 33226), (265, 33262), (275, 33283), (283, 33310), (286, 33316), (308, 33370), (330, 33421), (394, 33559), (396, 33565), (412, 33616), (413, 33619), (427, 33637), (475, 33688), (482, 33709), (483, 33712), (511, 33760), (512, 33766), (526, 33814), (528, 33820), (531, 33826), (563, 33886), (574, 33910), (575, 33913), (593, 33958), (598, 33973), (601, 33982), (604, 33991), (618, 34036), (628, 34054), (647, 34087), (722, 34225), (730, 34246), (758, 34312), (768, 34342), (784, 34396), (794, 34438), (801, 34459), (807, 34480), (811, 34492), (821, 34513), (844, 34567), (879, 34645), (886, 34681), (892, 34702), (900, 34729),

Gene: Yucky_18 Start: 16290, Stop: 17984, Start Num: 149

Candidate Starts for Yucky_18:

(Start: 139 @16287 has 9 MA's), (Start: 149 @16290 has 636 MA's), (226, 16389), (Start: 246 @16431 has 1 MA's), (335, 16671), (373, 16758), (384, 16779), (388, 16788), (398, 16815), (416, 16860), (441,

16893), (451, 16908), (463, 16932), (475, 16965), (487, 16998), (496, 17010), (518, 17067), (548, 17097), (553, 17115), (569, 17145), (584, 17175), (606, 17238), (634, 17289), (653, 17325), (657, 17340), (664, 17358), (684, 17415), (686, 17424), (748, 17544), (753, 17556), (781, 17604), (794, 17655), (795, 17658), (801, 17676), (830, 17754), (842, 17781), (861, 17823), (901, 17970), (906, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 149

Candidate Starts for Yummy_19:

(119, 15246), (Start: 139 @15273 has 9 MA's), (Start: 149 @15276 has 636 MA's), (274, 15486), (333, 15654), (335, 15660), (384, 15768), (398, 15804), (408, 15834), (416, 15849), (441, 15882), (449, 15894), (467, 15930), (487, 15987), (496, 15999), (560, 16119), (572, 16140), (584, 16164), (653, 16314), (657, 16329), (664, 16347), (684, 16404), (748, 16533), (753, 16545), (760, 16563), (769, 16572), (794, 16644), (795, 16647), (797, 16653), (801, 16665), (842, 16770), (847, 16779), (861, 16812), (895, 16938),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 89

Candidate Starts for Yuna_24:

(Start: 89 @16985 has 1 MA's), (99, 17015), (165, 17099), (Start: 233 @17198 has 2 MA's), (238, 17213), (Start: 246 @17231 has 1 MA's), (262, 17264), (288, 17339), (317, 17429), (333, 17465), (369, 17552), (389, 17591), (405, 17636), (413, 17660), (427, 17696), (428, 17699), (445, 17714), (459, 17732), (473, 17768), (477, 17780), (487, 17807), (582, 17963), (603, 18023), (649, 18125), (669, 18185), (691, 18260), (718, 18284), (749, 18344), (762, 18380), (768, 18398), (776, 18419), (795, 18494), (811, 18545), (813, 18551), (824, 18572), (900, 18779), (901, 18782), (910, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 113

Candidate Starts for YungJamal_61:

(Start: 106 @34918 has 2 MA's), (Start: 113 @34927 has 28 MA's), (Start: 179 @35017 has 33 MA's), (253, 35134), (265, 35170), (275, 35191), (283, 35218), (286, 35224), (299, 35254), (308, 35278), (330, 35329), (394, 35467), (396, 35473), (412, 35524), (413, 35527), (427, 35545), (475, 35596), (482, 35617), (483, 35620), (511, 35668), (512, 35674), (526, 35722), (528, 35728), (531, 35734), (563, 35794), (574, 35818), (575, 35821), (593, 35866), (598, 35881), (601, 35890), (604, 35899), (618, 35944), (628, 35962), (647, 35995), (722, 36133), (730, 36154), (758, 36220), (768, 36250), (784, 36304), (794, 36346), (801, 36367), (807, 36388), (811, 36400), (821, 36421), (844, 36475), (879, 36553), (886, 36589), (892, 36610), (900, 36637),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 102

Candidate Starts for YungMoney_33:

(85, 27299), (94, 27329), (Start: 102 @27341 has 86 MA's), (Start: 126 @27377 has 1 MA's), (Start: 153 @27410 has 10 MA's), (253, 27566), (254, 27569), (274, 27620), (275, 27623), (284, 27653), (297, 27692), (315, 27743), (317, 27752), (332, 27785), (399, 27938), (416, 27977), (453, 28028), (460, 28040), (467, 28058), (471, 28070), (475, 28082), (480, 28097), (496, 28127), (499, 28130), (509, 28151), (579, 28271), (620, 28382), (649, 28415), (663, 28457), (686, 28529), (715, 28595), (795, 28778), (796, 28781), (811, 28829), (824, 28856), (833, 28883), (859, 28937), (890, 29054), (896, 29075), (907, 29102),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 118

Candidate Starts for Yunkel11_23:

(Start: 118 @16380 has 152 MA's), (Start: 121 @16386 has 18 MA's), (143, 16410), (Start: 246 @16569 has 1 MA's), (262, 16602), (273, 16632), (274, 16635), (283, 16665), (288, 16677), (317, 16767), (335, 16809), (365, 16881), (369, 16890), (389, 16929), (405, 16974), (412, 16995), (413, 16998), (459, 17070), (475, 17112), (477, 17118), (487, 17145), (574, 17283), (582, 17301), (597, 17343), (603, 17361), (614, 17391), (669, 17523), (715, 17613), (762, 17718), (773, 17748), (795, 17832), (811, 17883), (862, 17982), (889, 18078), (900, 18117), (901, 18120), (910, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 145

Candidate Starts for Yvonnetastic_45:

(Start: 145 @30515 has 2 MA's), (192, 30581), (Start: 196 @30587 has 48 MA's), (234, 30644), (294, 30803), (301, 30815), (353, 30941), (375, 30989), (480, 31139), (509, 31190), (512, 31202), (514, 31208), (579, 31349), (587, 31364), (646, 31523), (681, 31631), (761, 31760), (763, 31766), (765, 31775), (786, 31838), (795, 31877), (798, 31886), (813, 31934), (848, 32009), (875, 32069), (887, 32117), (895, 32144), (897, 32153), (899, 32156),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 119

Candidate Starts for ZAYM_19:

(50, 16659), (78, 16854), (119, 16938), (Start: 126 @16950 has 1 MA's), (Start: 144 @16971 has 6 MA's), (280, 17208), (290, 17241), (377, 17454), (405, 17526), (427, 17568), (455, 17607), (467, 17634), (475, 17658), (494, 17700), (509, 17727), (510, 17730), (547, 17784), (550, 17790), (589, 17877), (704, 18168), (707, 18171), (748, 18261), (755, 18279), (795, 18375), (801, 18393), (849, 18510), (862, 18549), (863, 18552), (866, 18564), (887, 18639), (895, 18666),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Zabiza_23:

(Start: 118 @17155 has 152 MA's), (143, 17185), (Start: 246 @17344 has 1 MA's), (262, 17377), (273, 17407), (283, 17440), (288, 17452), (317, 17542), (335, 17584), (365, 17656), (369, 17665), (389, 17704), (405, 17749), (412, 17770), (413, 17773), (445, 17827), (459, 17845), (475, 17887), (477, 17893), (487, 17920), (574, 18058), (582, 18076), (597, 18118), (603, 18136), (614, 18166), (628, 18193), (669, 18298), (749, 18457), (762, 18493), (773, 18523), (776, 18532), (795, 18607), (811, 18658), (862, 18757), (889, 18853), (900, 18892), (901, 18895), (910, 18913),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 149

Candidate Starts for Zaka_31:

(98, 19905), (Start: 128 @19947 has 37 MA's), (Start: 149 @19971 has 636 MA's), (285, 20208), (314, 20280), (315, 20283), (319, 20298), (336, 20337), (339, 20343), (389, 20454), (393, 20460), (405, 20499), (428, 20541), (455, 20580), (472, 20622), (476, 20625), (542, 20781), (603, 20922), (609, 20937), (697, 21150), (744, 21249), (753, 21276), (771, 21327), (774, 21336), (785, 21375), (788, 21390), (813, 21474), (859, 21579), (861, 21585), (899, 21720),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 113

Candidate Starts for Zakhe101_56:

(Start: 106 @33564 has 2 MA's), (Start: 113 @33573 has 28 MA's), (Start: 179 @33663 has 33 MA's), (253, 33780), (265, 33816), (275, 33837), (283, 33864), (286, 33870), (299, 33900), (308, 33924), (330, 33975), (394, 34113), (396, 34119), (412, 34170), (413, 34173), (427, 34191), (475, 34242), (482, 34263), (483, 34266), (504, 34299), (511, 34314), (512, 34320), (526, 34368), (528, 34374), (531, 34380), (563, 34440), (574, 34464), (575, 34467), (593, 34512), (598, 34527), (601, 34536), (604, 34545), (618, 34590), (628, 34608), (647, 34641), (722, 34779), (730, 34800), (758, 34866), (768, 34896), (784, 34950), (794, 34992), (801, 35013), (807, 35034), (811, 35046), (821, 35067), (844, 35121), (879, 35199), (886, 35235), (892, 35256), (900, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 178

Candidate Starts for Zameen_19:

(Start: 178 @17773 has 57 MA's), (304, 18022), (308, 18031), (315, 18049), (316, 18052), (338, 18106), (372, 18181), (398, 18250), (401, 18259), (405, 18271), (423, 18322), (437, 18349), (444, 18358), (445, 18361), (509, 18391), (510, 18394), (526, 18451), (568, 18517), (601, 18595), (617, 18628), (637, 18652), (653, 18688), (685, 18790), (730, 18847), (751, 18892), (754, 18898), (766, 18937), (849, 19177), (873, 19255),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 153

Candidate Starts for Zapner_20:

(Start: 153 @14268 has 10 MA's), (Start: 214 @14349 has 22 MA's), (Start: 233 @14379 has 2 MA's), (241, 14400), (248, 14412), (275, 14478), (287, 14517), (290, 14529), (301, 14553), (318, 14610), (319, 14613), (331, 14637), (333, 14643), (334, 14646), (353, 14691), (361, 14709), (378, 14745), (428, 14856), (455, 14892), (467, 14919), (471, 14931), (472, 14934), (487, 14976), (496, 14988), (509, 15012), (550, 15066), (593, 15165), (641, 15258), (653, 15285), (656, 15297), (681, 15348), (684, 15363), (713, 15417), (726, 15444), (795, 15606), (796, 15609), (797, 15612), (842, 15729), (861, 15771), (884, 15855), (896, 15900), (901, 15918),

Gene: Zarafa_27 Start: 19969, Stop: 21768, Start Num: 149

Candidate Starts for Zarafa_27:

(Start: 149 @19969 has 636 MA's), (Start: 195 @20029 has 1 MA's), (238, 20098), (280, 20200), (284, 20212), (285, 20215), (315, 20290), (319, 20305), (321, 20308), (336, 20344), (397, 20479), (428, 20548), (487, 20662), (542, 20788), (593, 20902), (601, 20926), (606, 20938), (609, 20944), (653, 21025), (679, 21100), (684, 21118), (686, 21127), (692, 21151), (697, 21157), (700, 21172), (715, 21214), (726, 21241), (730, 21250), (731, 21253), (744, 21274), (747, 21286), (813, 21499), (859, 21604), (861, 21610), (899, 21745),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 215

Candidate Starts for Zarbodnamra_19:

(187, 16613), (Start: 215 @16649 has 57 MA's), (266, 16751), (293, 16823), (296, 16829), (298, 16832), (340, 16928), (357, 16967), (382, 17027), (392, 17048), (410, 17102), (415, 17117), (512, 17288), (521, 17318), (604, 17501), (612, 17525), (625, 17576), (659, 17669), (664, 17681), (682, 17726), (713, 17741), (762, 17873), (763, 17876), (792, 17975), (797, 17993), (813, 18044), (838, 18104), (842, 18110), (871, 18173), (876, 18185),

Gene: Zareef_20 Start: 16723, Stop: 18405, Start Num: 156

Candidate Starts for Zareef_20:

(48, 16387), (Start: 149 @16711 has 636 MA's), (Start: 156 @16723 has 1 MA's), (290, 16975), (299, 16996), (301, 16999), (315, 17044), (319, 17059), (353, 17137), (373, 17182), (416, 17284), (441, 17317), (449, 17329), (451, 17332), (475, 17389), (487, 17422), (499, 17437), (522, 17503), (555, 17545), (560, 17554), (584, 17599), (606, 17662), (652, 17743), (657, 17761), (660, 17770), (664, 17779), (684, 17836), (686, 17845), (753, 17977), (769, 18004), (781, 18025), (794, 18076), (795, 18079), (830, 18175), (842, 18202), (847, 18211), (849, 18214), (861, 18244), (864, 18262), (880, 18307), (906, 18397),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 118

Candidate Starts for Zavala_23:

(Start: 118 @17129 has 152 MA's), (143, 17159), (Start: 246 @17318 has 1 MA's), (262, 17351), (273, 17381), (283, 17414), (288, 17426), (317, 17516), (335, 17558), (365, 17630), (369, 17639), (389, 17678), (405, 17723), (412, 17744), (413, 17747), (445, 17801), (459, 17819), (475, 17861), (477, 17867), (487, 17894), (524, 17981), (574, 18032), (582, 18050), (597, 18092), (603, 18110), (614, 18140), (628, 18167), (669, 18272), (749, 18431), (762, 18467), (773, 18497), (776, 18506), (795, 18581), (811, 18632), (889, 18827), (900, 18866), (901, 18869), (910, 18887),

Gene: Zebo_56 Start: 33478, Stop: 35214, Start Num: 113

Candidate Starts for Zebo_56:

(Start: 106 @33469 has 2 MA's), (Start: 113 @33478 has 28 MA's), (Start: 179 @33568 has 33 MA's), (253, 33685), (265, 33721), (275, 33742), (283, 33769), (286, 33775), (308, 33829), (330, 33880), (394, 34018), (396, 34024), (412, 34075), (413, 34078), (427, 34096), (475, 34147), (482, 34168), (483, 34171), (511, 34219), (512, 34225), (526, 34273), (528, 34279), (531, 34285), (563, 34345), (574, 34369), (575, 34372), (593, 34417), (598, 34432), (601, 34441), (604, 34450), (618, 34495),

(628, 34513), (647, 34546), (722, 34684), (730, 34705), (758, 34771), (768, 34801), (784, 34855), (794, 34897), (801, 34918), (807, 34939), (811, 34951), (821, 34972), (844, 35026), (879, 35104), (886, 35140), (892, 35161), (900, 35188),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 151

Candidate Starts for Zeeculate_27:

(Start: 151 @21795 has 225 MA's), (Start: 167 @21816 has 5 MA's), (Start: 195 @21858 has 1 MA's), (228, 21903), (315, 22119), (333, 22164), (336, 22173), (353, 22212), (377, 22263), (378, 22266), (476, 22461), (510, 22530), (593, 22731), (594, 22734), (601, 22755), (652, 22851), (653, 22854), (655, 22860), (679, 22929), (684, 22947), (686, 22956), (697, 22986), (731, 23082), (747, 23115), (753, 23130), (795, 23271), (813, 23328), (861, 23439),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 128

Candidate Starts for Zelink_38:

(Start: 128 @28415 has 37 MA's), (Start: 196 @28505 has 48 MA's), (229, 28553), (242, 28583), (257, 28610), (294, 28712), (307, 28742), (346, 28841), (363, 28877), (365, 28883), (377, 28904), (405, 28976), (408, 28985), (415, 29006), (482, 29114), (483, 29117), (490, 29132), (512, 29171), (526, 29219), (531, 29231), (535, 29237), (566, 29294), (575, 29315), (583, 29333), (600, 29381), (638, 29483), (667, 29555), (683, 29600), (685, 29612), (694, 29747), (695, 29753), (696, 29777), (708, 29849), (716, 29876), (802, 30125),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 151

Candidate Starts for Zephyr_27:

(Start: 151 @21215 has 225 MA's), (Start: 167 @21236 has 5 MA's), (Start: 195 @21278 has 1 MA's), (228, 21323), (315, 21539), (333, 21584), (336, 21593), (353, 21632), (377, 21683), (378, 21686), (395, 21722), (416, 21779), (476, 21881), (510, 21950), (593, 22151), (594, 22154), (601, 22175), (652, 22271), (653, 22274), (655, 22280), (679, 22349), (684, 22367), (686, 22376), (697, 22406), (731, 22502), (747, 22535), (753, 22550), (795, 22691), (813, 22748), (861, 22859),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Zerg_16:

(Start: 129 @14774 has 222 MA's), (199, 14861), (242, 14930), (253, 14951), (265, 14987), (283, 15035), (286, 15041), (292, 15059), (305, 15089), (350, 15194), (379, 15254), (383, 15263), (389, 15275), (394, 15284), (401, 15308), (453, 15383), (467, 15410), (469, 15416), (475, 15434), (480, 15449), (482, 15455), (504, 15491), (511, 15506), (512, 15512), (526, 15560), (531, 15572), (535, 15578), (574, 15638), (579, 15650), (593, 15686), (597, 15698), (624, 15773), (628, 15782), (638, 15800), (642, 15806), (652, 15836), (718, 15941), (722, 15953), (738, 15989), (766, 16067), (794, 16166), (801, 16187), (811, 16220), (826, 16250), (835, 16280), (841, 16289), (844, 16295), (859, 16310), (860, 16313), (865, 16337), (881, 16379), (886, 16409), (899, 16451),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 149

Candidate Starts for Zetzy_28:

(Start: 149 @19913 has 636 MA's), (Start: 195 @19970 has 1 MA's), (205, 19985), (231, 20018), (238, 20039), (245, 20054), (280, 20141), (284, 20153), (285, 20156), (315, 20231), (319, 20246), (335, 20282), (428, 20489), (510, 20642), (542, 20729), (593, 20843), (601, 20867), (609, 20885), (653, 20966), (679, 21041), (684, 21059), (692, 21092), (697, 21098), (706, 21137), (730, 21191), (731, 21194), (744, 21215), (763, 21272), (813, 21440), (859, 21545), (861, 21551), (899, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 167

Candidate Starts for Zeuska_28:

(Start: 151 @21649 has 225 MA's), (Start: 167 @21670 has 5 MA's), (Start: 195 @21712 has 1 MA's), (228, 21757), (315, 21973), (333, 22018), (336, 22027), (353, 22066), (377, 22117), (378, 22120), (476, 22315), (510, 22384), (593, 22585), (594, 22588), (601, 22609), (652, 22705), (653, 22708),

(655, 22714), (679, 22783), (684, 22801), (686, 22810), (697, 22840), (731, 22936), (747, 22969), (753, 22984), (795, 23125), (813, 23182), (861, 23293),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 215

Candidate Starts for ZiggyZoo_18:

(187, 16404), (Start: 215 @16440 has 57 MA's), (266, 16542), (296, 16620), (298, 16623), (340, 16719), (357, 16758), (382, 16818), (392, 16839), (410, 16893), (415, 16908), (512, 17079), (521, 17109), (604, 17292), (612, 17316), (625, 17367), (659, 17460), (664, 17472), (682, 17517), (713, 17532), (762, 17664), (763, 17667), (792, 17766), (797, 17784), (813, 17835), (842, 17901), (871, 17964), (876, 17976),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 141

Candidate Starts for Ziko_56:

(61, 28642), (63, 28651), (64, 28657), (Start: 92 @28759 has 4 MA's), (108, 28789), (Start: 141 @28834 has 6 MA's), (241, 28975), (302, 29134), (319, 29188), (389, 29344), (439, 29443), (467, 29491), (487, 29548), (499, 29563), (553, 29653), (614, 29791), (652, 29854), (684, 29950), (712, 30001), (713, 30004), (717, 30016), (753, 30091), (758, 30106), (794, 30190), (824, 30271), (866, 30382), (896, 30487), (901, 30505),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 122

Candidate Starts for Zilizebeth_19:

(Start: 107 @16361 has 2 MA's), (Start: 122 @16385 has 48 MA's), (Start: 170 @16445 has 41 MA's), (183, 16466), (185, 16469), (260, 16589), (274, 16628), (284, 16661), (294, 16685), (344, 16805), (361, 16844), (363, 16850), (399, 16934), (401, 16940), (405, 16952), (413, 16976), (442, 17003), (458, 17021), (473, 17060), (475, 17066), (483, 17090), (512, 17144), (516, 17156), (518, 17165), (545, 17225), (583, 17303), (597, 17342), (609, 17375), (628, 17441), (636, 17456), (642, 17465), (650, 17489), (660, 17519), (667, 17531), (733, 17633), (741, 17645), (744, 17648), (746, 17654), (748, 17663), (784, 17771), (807, 17855), (852, 17954), (889, 18062), (906, 18110),

Gene: Zilla_19 Start: 16667, Stop: 18313, Start Num: 215

Candidate Starts for Zilla_19:

(187, 16631), (Start: 215 @16667 has 57 MA's), (266, 16769), (296, 16847), (298, 16850), (340, 16946), (357, 16985), (392, 17066), (410, 17120), (415, 17135), (512, 17306), (521, 17336), (604, 17519), (612, 17543), (613, 17546), (625, 17594), (659, 17687), (664, 17699), (682, 17744), (713, 17759), (762, 17891), (763, 17894), (792, 17993), (797, 18011), (813, 18062), (842, 18128), (871, 18191), (876, 18203),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 149

Candidate Starts for Zimmer_30:

(98, 22316), (Start: 128 @22358 has 37 MA's), (Start: 136 @22367 has 1 MA's), (Start: 149 @22382 has 636 MA's), (255, 22535), (284, 22616), (285, 22619), (314, 22691), (315, 22694), (321, 22712), (336, 22748), (339, 22754), (389, 22865), (428, 22952), (472, 23033), (476, 23036), (510, 23105), (542, 23192), (609, 23348), (653, 23429), (657, 23444), (747, 23672), (753, 23687), (761, 23711), (785, 23786), (788, 23801), (797, 23834), (813, 23885), (859, 23990), (899, 24131),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 171

Candidate Starts for Zion_34:

(Start: 171 @29327 has 8 MA's), (249, 29426), (273, 29495), (285, 29534), (336, 29669), (363, 29729), (438, 29882), (446, 29894), (452, 29903), (454, 29906), (492, 29951), (501, 29966), (506, 29975), (510, 29984), (525, 30038), (533, 30056), (570, 30110), (666, 30326), (722, 30419), (774, 30527), (788, 30581), (810, 30656), (866, 30785), (904, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 214

Candidate Starts for Zipp_34:

(Start: 175 @30787 has 1 MA's), (Start: 214 @30844 has 22 MA's), (232, 30865), (261, 30928), (281, 30991), (305, 31051), (310, 31063), (346, 31150), (370, 31201), (414, 31312), (428, 31339), (444, 31354), (483, 31438), (502, 31468), (508, 31477), (518, 31513), (545, 31573), (574, 31621), (578, 31630), (614, 31729), (633, 31768), (640, 31780), (679, 31897), (722, 31936), (740, 31975), (761, 32032), (775, 32071), (777, 32080), (790, 32137), (793, 32149), (811, 32206), (813, 32212), (824, 32233), (835, 32266), (862, 32311), (899, 32440), (901, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 178

Candidate Starts for Zirinka_19:

(Start: 178 @17776 has 57 MA's), (304, 18025), (308, 18034), (315, 18052), (316, 18055), (338, 18109), (372, 18184), (398, 18253), (401, 18262), (405, 18274), (409, 18286), (423, 18325), (437, 18352), (444, 18361), (445, 18364), (510, 18397), (526, 18454), (568, 18520), (617, 18631), (653, 18691), (685, 18793), (730, 18850), (766, 18940), (849, 19180), (873, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 214

Candidate Starts for Zitch_36:

(Start: 214 @28728 has 22 MA's), (232, 28749), (237, 28761), (261, 28812), (274, 28851), (281, 28875), (310, 28947), (346, 29034), (370, 29085), (385, 29115), (414, 29196), (428, 29223), (481, 29316), (502, 29352), (508, 29361), (517, 29394), (518, 29397), (545, 29457), (574, 29505), (578, 29514), (614, 29613), (633, 29652), (640, 29664), (679, 29781), (722, 29820), (740, 29859), (761, 29916), (775, 29955), (777, 29964), (790, 30021), (793, 30033), (808, 30081), (811, 30090), (813, 30096), (824, 30117), (835, 30150), (862, 30195), (879, 30246), (899, 30324), (901, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 129

Candidate Starts for Zizzle_16:

(Start: 129 @14782 has 222 MA's), (199, 14869), (Start: 233 @14914 has 2 MA's), (242, 14938), (283, 15043), (286, 15049), (292, 15067), (305, 15097), (350, 15202), (376, 15256), (379, 15262), (383, 15271), (394, 15292), (401, 15316), (413, 15352), (415, 15358), (453, 15391), (455, 15394), (460, 15403), (467, 15418), (469, 15424), (475, 15442), (480, 15457), (482, 15463), (490, 15481), (493, 15484), (504, 15499), (511, 15514), (512, 15520), (526, 15568), (531, 15580), (535, 15586), (574, 15646), (579, 15658), (593, 15694), (597, 15706), (624, 15781), (628, 15790), (638, 15808), (642, 15814), (652, 15844), (718, 15949), (722, 15961), (738, 15997), (766, 16075), (801, 16195), (811, 16228), (826, 16258), (829, 16270), (835, 16288), (839, 16294), (841, 16297), (844, 16303), (859, 16318), (860, 16321), (864, 16342), (865, 16345), (881, 16387), (886, 16417), (899, 16459), (900, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for ZoMa_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 168

Candidate Starts for Zodiariah_18:

(132, 16118), (Start: 144 @16133 has 6 MA's), (Start: 168 @16157 has 17 MA's), (Start: 177 @16169 has 2 MA's), (186, 16184), (272, 16343), (289, 16397), (295, 16418), (365, 16604), (425, 16745), (455, 16775), (460, 16784), (463, 16790), (614, 17099), (665, 17228), (667, 17231), (679, 17264), (761, 17432), (763, 17438), (792, 17537), (813, 17606), (862, 17699), (910, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 116

Candidate Starts for ZoeJ_19:

(Start: 95 @14918 has 1 MA's), (Start: 111 @14948 has 26 MA's), (Start: 116 @14954 has 42 MA's), (Start: 137 @14969 has 56 MA's), (Start: 171 @15011 has 8 MA's), (205, 15059), (Start: 233 @15098 has 2 MA's), (238, 15113), (262, 15164), (273, 15194), (283, 15227), (288, 15239), (294, 15257), (317, 15329), (319, 15335), (361, 15431), (365, 15443), (406, 15539), (459, 15632), (467, 15650), (475, 15674), (477, 15680), (496, 15719), (509, 15743), (512, 15755), (574, 15845), (578, 15854), (598, 15908), (609, 15938), (652, 16049), (669, 16100), (721, 16208), (773, 16322), (776, 16331), (795, 16406), (811, 16457), (862, 16559), (880, 16613), (900, 16694), (910, 16715),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 149

Candidate Starts for Zolita_23:

(Start: 149 @19917 has 636 MA's), (Start: 246 @20055 has 1 MA's), (285, 20154), (315, 20229), (335, 20280), (366, 20352), (373, 20367), (389, 20400), (393, 20406), (436, 20499), (487, 20601), (506, 20631), (509, 20637), (542, 20727), (553, 20757), (593, 20841), (594, 20844), (609, 20883), (615, 20901), (652, 20961), (653, 20964), (684, 21057), (730, 21198), (749, 21240), (861, 21558), (899, 21693), (901, 21702),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 137

Candidate Starts for Zombie_18:

(Start: 111 @16640 has 26 MA's), (Start: 137 @16649 has 56 MA's), (143, 16655), (147, 16661), (238, 16793), (262, 16844), (273, 16874), (280, 16898), (315, 17000), (331, 17039), (333, 17045), (339, 17060), (358, 17105), (408, 17225), (429, 17282), (459, 17321), (477, 17369), (487, 17396), (496, 17408), (532, 17489), (574, 17534), (653, 17732), (662, 17762), (669, 17780), (679, 17807), (722, 17891), (735, 17909), (745, 17924), (761, 17972), (765, 17987), (786, 18050), (801, 18107), (813, 18146), (831, 18188), (862, 18239), (889, 18335), (910, 18395),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 149

Candidate Starts for Zulu_31:

(98, 19904), (Start: 128 @19946 has 37 MA's), (Start: 149 @19970 has 636 MA's), (285, 20207), (314, 20279), (315, 20282), (319, 20297), (336, 20336), (339, 20342), (389, 20453), (393, 20459), (405, 20498), (428, 20540), (455, 20579), (472, 20621), (476, 20624), (542, 20780), (603, 20921), (609, 20936), (697, 21149), (744, 21248), (753, 21275), (771, 21326), (774, 21335), (785, 21374), (788, 21389), (813, 21473), (859, 21578), (861, 21584), (899, 21719),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 196

Candidate Starts for xkcd_25:

(Start: 134 @19915 has 130 MA's), (Start: 196 @19999 has 48 MA's), (Start: 246 @20077 has 1 MA's), (280, 20164), (286, 20179), (305, 20227), (320, 20266), (361, 20353), (377, 20386), (394, 20422), (402, 20452), (405, 20458), (458, 20527), (477, 20557), (481, 20569), (482, 20572), (512, 20629), (575, 20761), (578, 20767), (602, 20833), (604, 20839), (612, 20863), (628, 20911), (642, 20935), (647, 20944), (672, 21019), (721, 21070), (726, 21085), (786, 21247), (792, 21274), (801, 21304), (843, 21409), (879, 21487), (886, 21523), (889, 21532), (899, 21565), (906, 21580),