

Zoomed Pham 279930

1. Corvo_28 + 10	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
2. QTRimeCrisis_27 + 81	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
3. Aldrich_29 + 5	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
4. Inyang_26 + 23	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
5. Fushigi_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
6. BlackName_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
7. MrGordo_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
8. Solon_27 + 15	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
9. SkipPole_29 + 3	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
10. Blessor_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
11. Briton15_29 + 3	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
12. Squee_28 + 4	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
13. JC27_29	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
14. EnzoK_28 + 4	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
15. DD5_28 + 1	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
16. Ajay_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
17. Liib10_28 + 7	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
18. Homines_27 + 3	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
19. Trouble_28 + 3	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
20. BK1_25 + 1	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
21. Fajezeel_29 + 5	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
22. Mikhusen_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
23. GIMonster_26 + 2	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
24. Papez_29 + 4	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
25. CactusRose_26	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
26. Bigfoot_26 + 1	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
27. CarlmannCramer_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
28. Petrucio_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
29. ChristmasHams_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
30. Peterson_30	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
31. Perseus_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
32. ProMouse_26	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
33. Zephyr_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
34. Smeagol_29	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
35. Dynamix_28 + 2	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
36. Slagathor_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
37. Crispicous1_26 + 1	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
38. Sorpresa_27 + 2	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
39. Bircsak_27 + 2	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
40. WhitSpit_28	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
41. Topgun_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
42. Rubeus_28 + 2	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
43. PinkPlastic_26 + 5	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
44. Aisiro_31	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
45. Graduation_29	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
46. Carlyle_29	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
47. IgnatiusPatJac_26	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
48. Buttons_29	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
49. Paphu_26	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734
50. Wilkins_27	123 199 223	220 388 391 430	491 514	689 822	898 899	714 734

Zoomed Pham 279930

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[illegible]

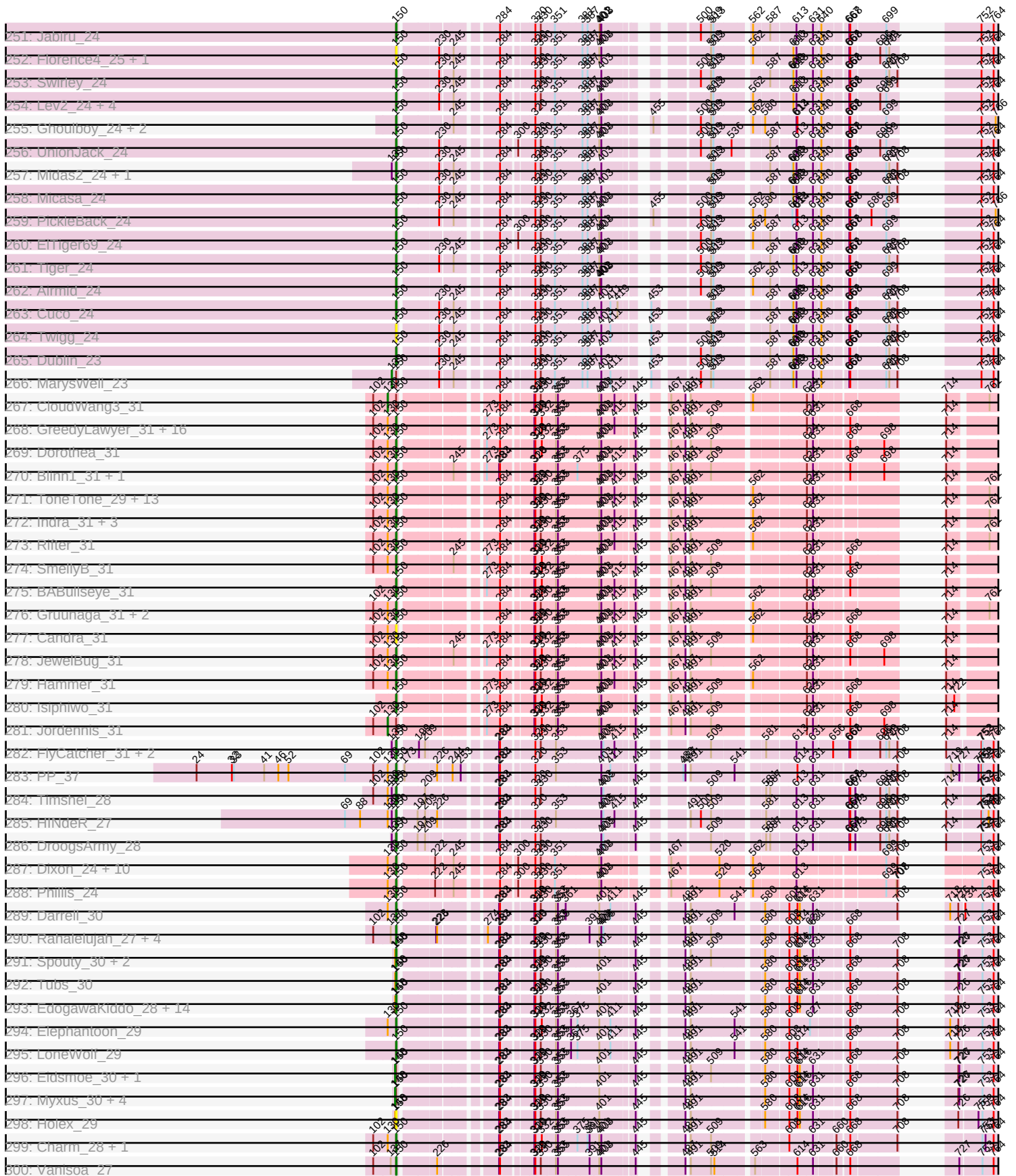
Zoomed Pham 279930

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r52: DeerPark15_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r53: Acolyte_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r54: Smeagan_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r55: MiculOcigas_28 + 1	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r56: Power_28 + 2	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r57: BengiVulnion_29 + 1	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r58: SemperFI_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r59: Odin_27	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r60: BiancaFI92_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r61: Baehexic_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r62: KingCyrus_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r63: NicoleTera_32	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r64: Lokk_31	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r65: MissWhite_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r66: Changeling_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r67: HarryHoudini_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r68: CRB1_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r69: Phaded_31	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r70: SnapTap_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r71: DudeLittle_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r72: Prudy_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r73: Iwokeupikedis_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r74: Bactobuster_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r75: GaugeLDP_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r76: RedRock_31	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r77: Journey13_26	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r78: EvilGenius_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r79: Rachaly_31	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r80: XianYue_28	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r81: First_0028	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r82: FatCactus_26	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r83: Anthony_27	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r84: Kinmap_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r85: Chargerpower_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r86: HeiDan_27 + 7	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r87: ACFishhook_29 + 3	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r88: Mainiac_29 + 6	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r89: CuiLens_29 + 52	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r90: SoilDragon_29 + 2	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r91: BlueBird_28 + 6	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r92: Norber_27 + 14	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r93: BabyJohn_26 + 1	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r94: MK4_27	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r95: Groupthink_30 + 8	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r96: Isca_27 + 1	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r97: StepMin_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r98: MA5_27	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
r99: Manus_30	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764
200: Grum1_29	102	130	220	243	260	282	310	353	381	401	445	487	500	580	614	668	708	714	743	764

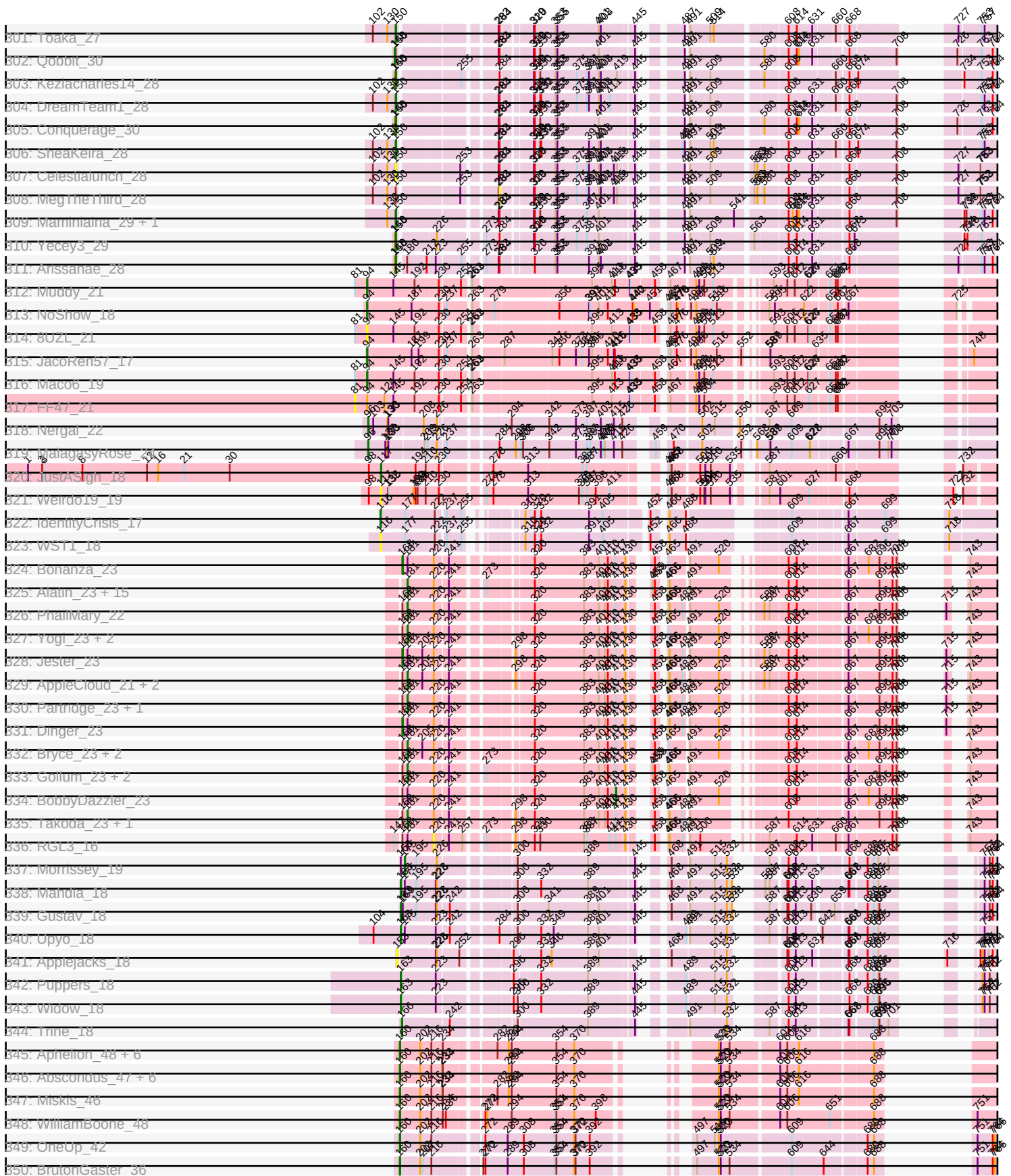
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201: JF2_27 + 2	150	199	237	299	350	353	407	445	500	552	612	631	668	699	743	754
202: DieselWeasel_29	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
203: Puppy_28	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
204: JHC117_29	150	199	237	299	350	353	402	445	500	514	561	612	631	668	743	754
205: HashRod_30	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
206: Snickers_29	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
207: OlanP_29	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
208: Phantastic_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
209: Phraniny_30 + 1	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
210: BabyRay_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
211: JenCasNa_29	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
212: Hercules11_29	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
213: tNguyen7_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
214: LHTSCC_28 + 5	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
215: ICleared_27 + 90	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
216: Badger_27 + 6	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
217: Stasia_28	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
218: Phonbonne_27 + 8	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
219: Troveta9_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
220: Perplexer_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
221: Rosa24_26 + 1	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
222: SeniorClean_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
223: AbbysRanger_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
224: Happiness_27 + 3	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
225: PetiteSangsue_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
226: Katalie136_27 + 1	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
227: Shygu2_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
228: Shaka_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
229: Pumbaa_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
230: PeterPeter_27 + 1	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
231: Camperdownii_26	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
232: Commander_27 + 1	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
233: Stink_28	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
234: Cinderadix_26	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
235: Mundrea_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
236: KFPoily_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
237: LeoAvram_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
238: Bumblebee11_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
239: TroyPla_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
240: Miramae_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
241: Noelle_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
242: AvatarAnPeg_28	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
243: Eurydice_27	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
244: Theia_22	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
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246: PetterN_25	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
247: Chadwick_25 + 3	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
248: ForGem_24 + 4	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
249: HuntEnerson15_24	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754
250: Fairyneal_23 + 3	150	199	237	299	350	353	401	445	500	514	561	612	631	668	743	754

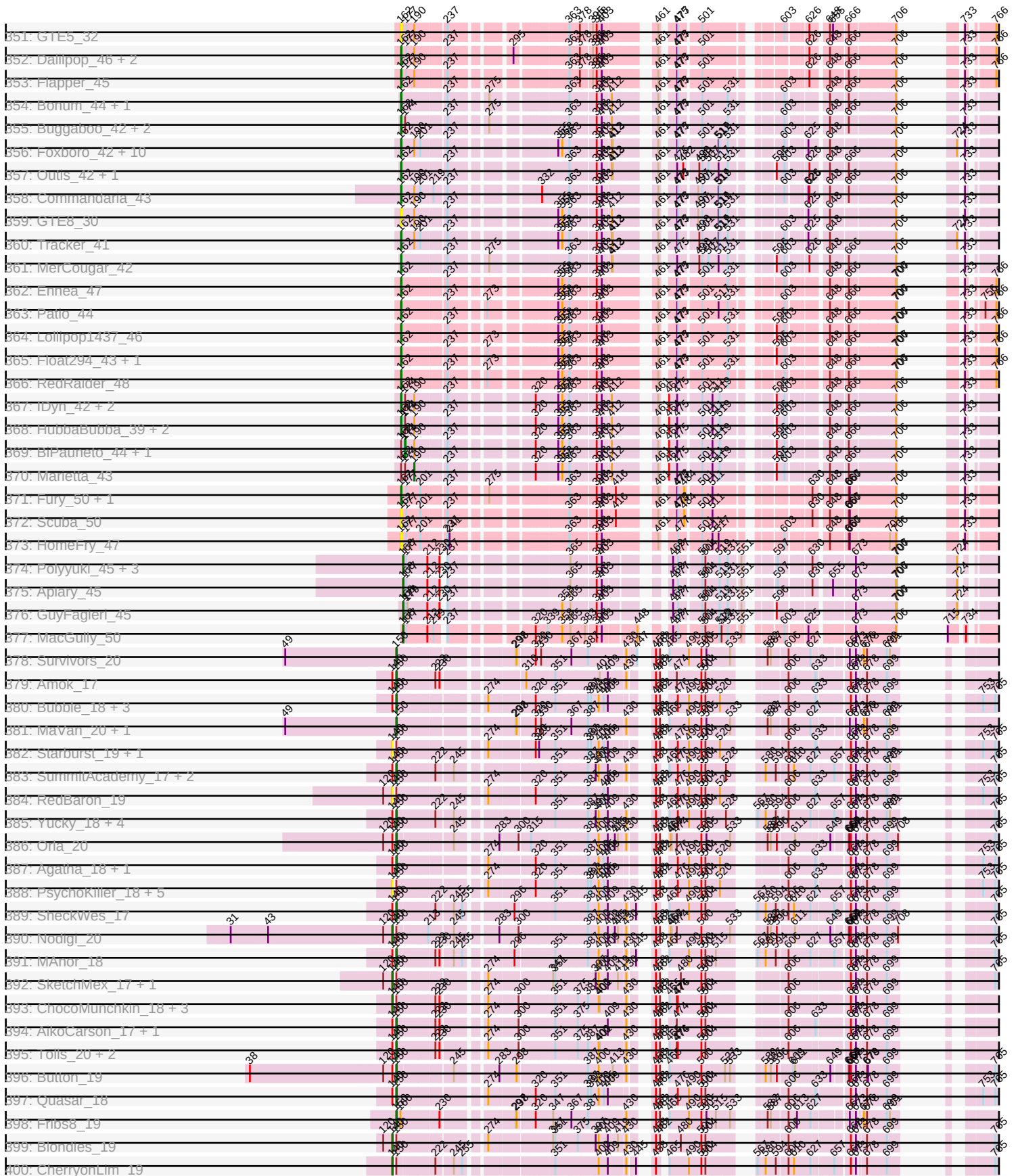
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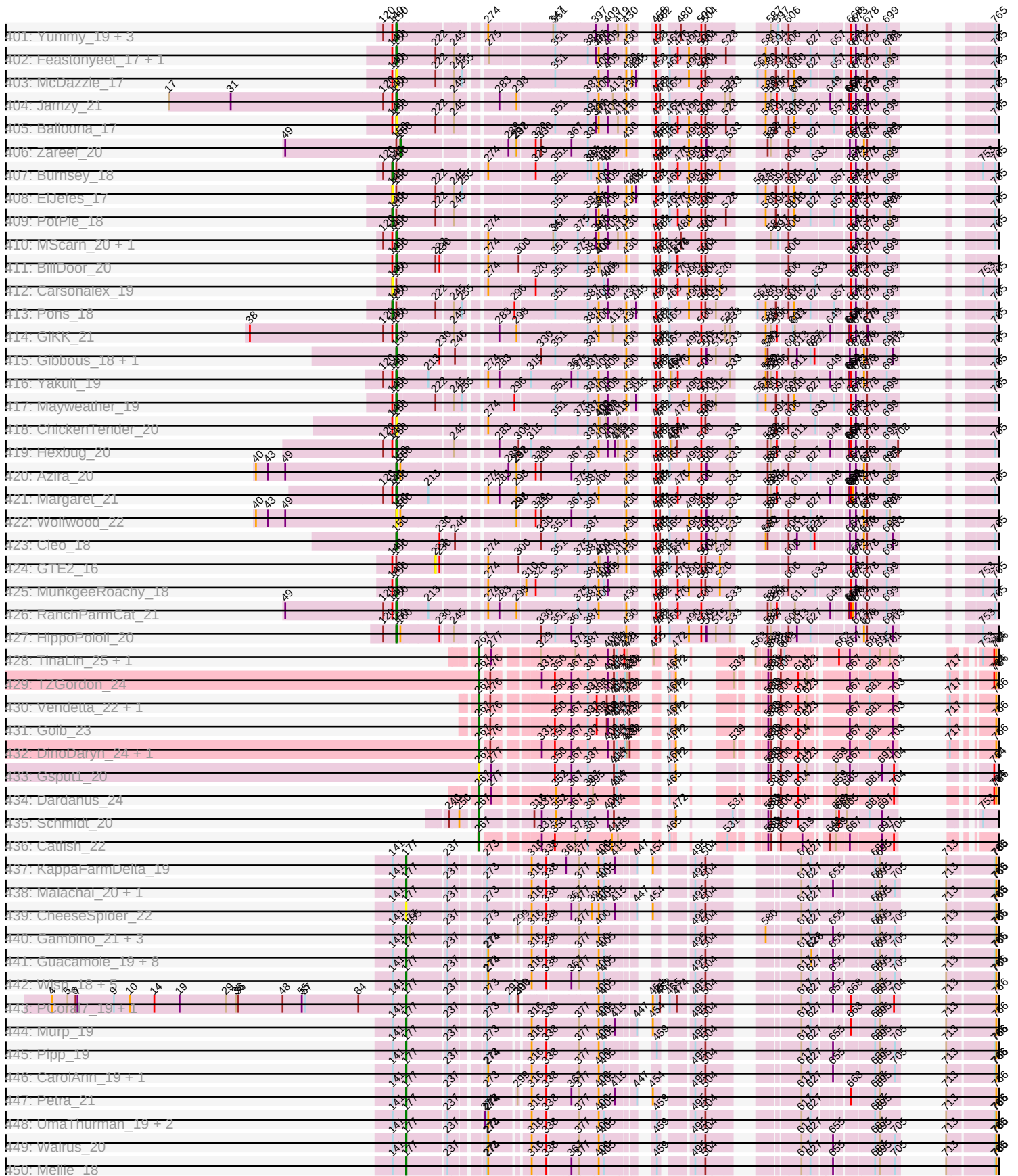
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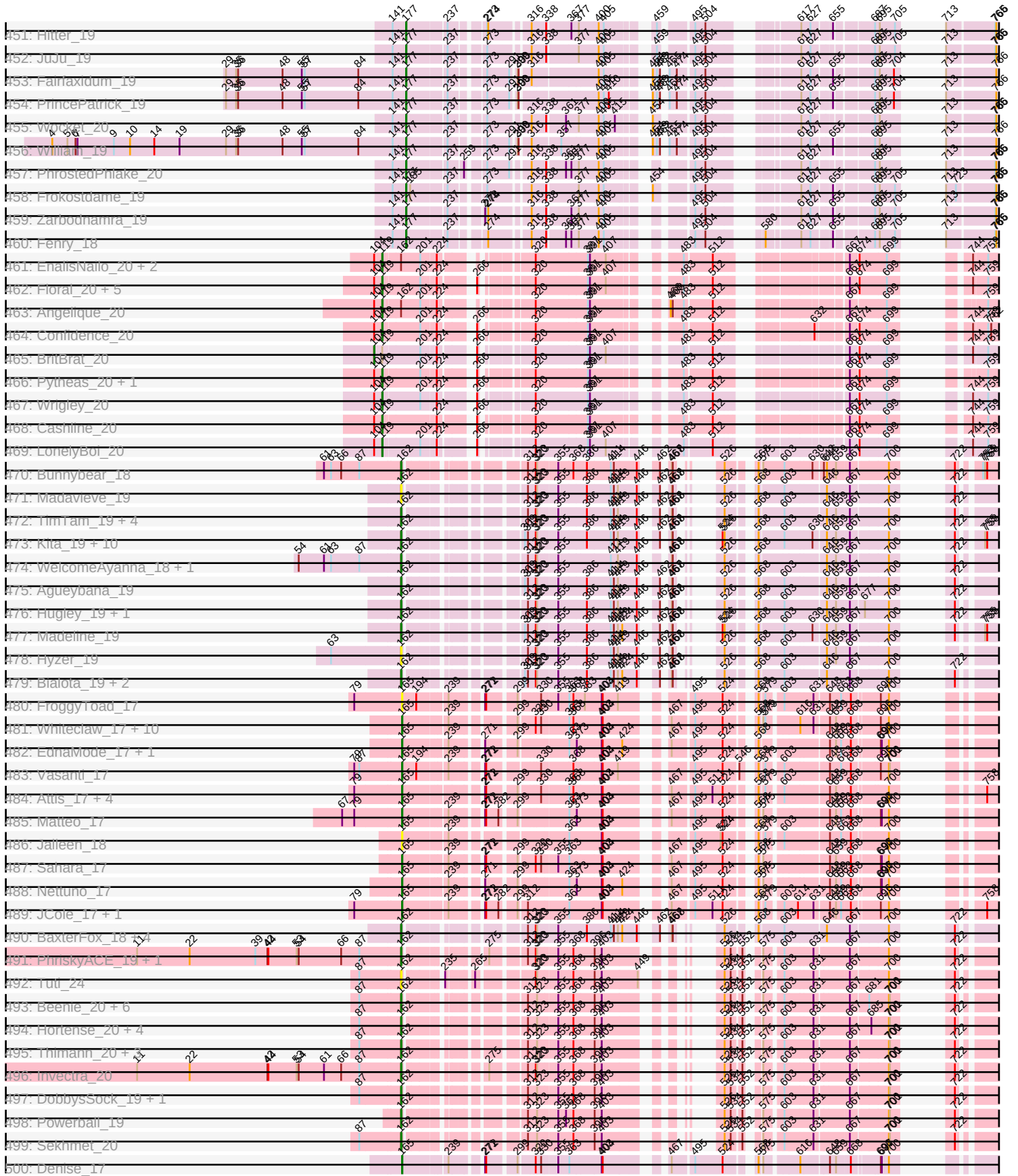
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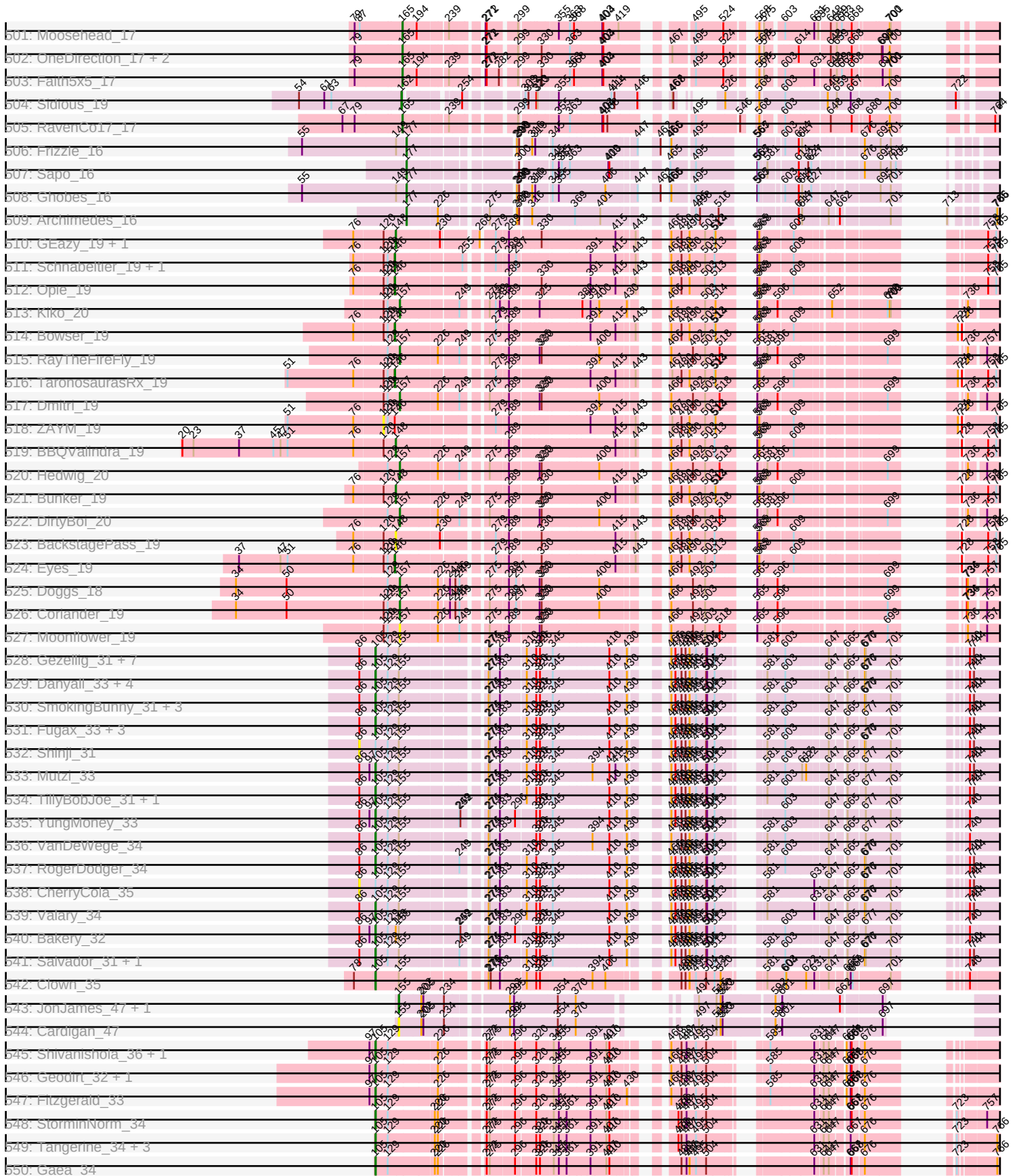
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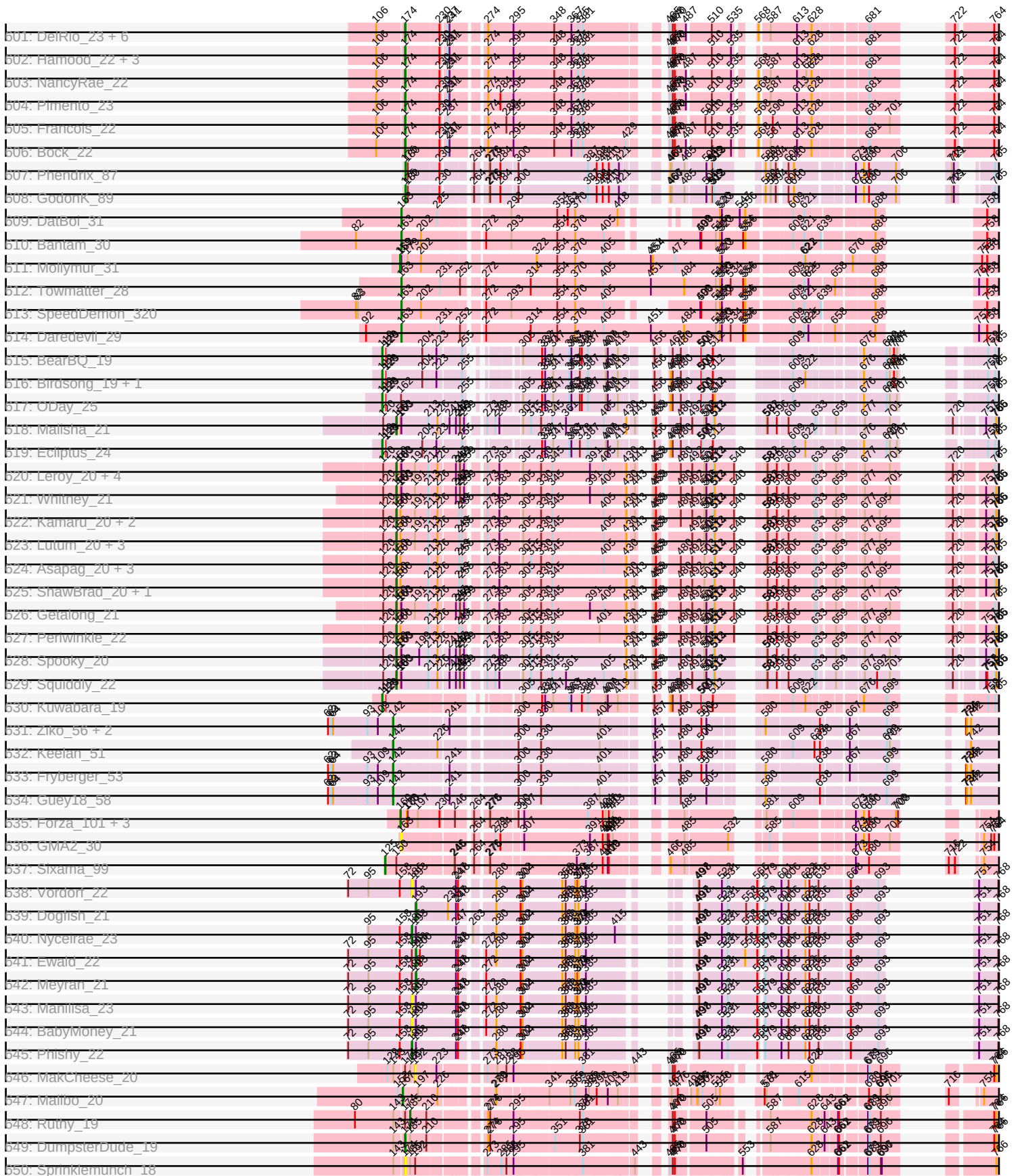
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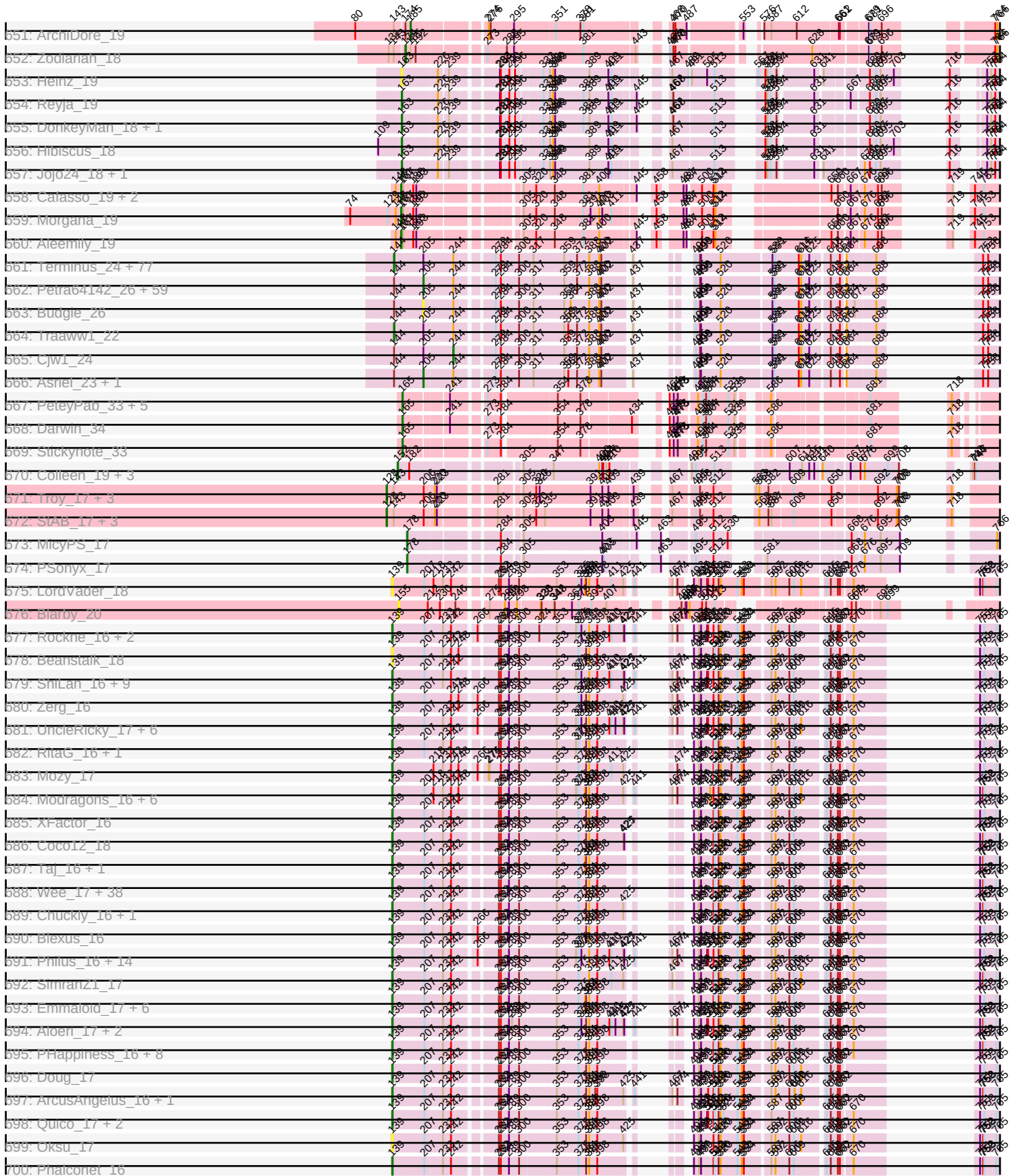
Zoomed Pham 279930

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552: JKSyngboy_32	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	751
553: Rolo_35 + 4	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
554: Bizzy_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
555: Fosterous_33	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
556: Ribeye_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
557: Kamashten_34 + 1	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
558: BrandonK123_36	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
559: Aileca_33 + 1	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
560: Lennon_35 + 1	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
561: FuegoCuervo_37	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
562: AShertheman_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
563: Tangen_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
564: Brown_34	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
565: Flatwoods_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
566: VIM2_37 + 2	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
567: Kroos_35 + 1	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
568: ChadMasterC_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
569: Keltabear_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
570: Baddon_34 + 1	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
571: Tychon_34	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
572: Baumdotcom_34	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
573: Angelicage_33	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
574: SchottB_33	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
575: YorkOnyx_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
576: Charming_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
577: RiverRaider_35	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
578: Status_33	9705	1209	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
579: Phaul_26 + 2	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
580: Belphegor_33	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
581: Phinally_33 + 1	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
582: Elmoore_31	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
583: MeiBins_34	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
584: AIL7_31	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
585: EdmundFerry_31 + 2	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
586: Chickadee_32 + 2	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
587: RoadKili_30	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
588: Kwekel_32	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
589: Sampson_35	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
590: BigHunkinEater_37 + 3	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
591: DoctorFroggo_34 + 2	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
592: Tardus_36	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
593: Pumpkiney_36	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
594: Zipp_34	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
595: ViaConnectus_35	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
596: APunk_36	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
597: Zich_36	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
598: Libeame_30	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
599: Lucky10_18	125	188	226	2776	296	320	335	391	420	466	504	585	621	647	666	723
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Zoomed Pham 279930



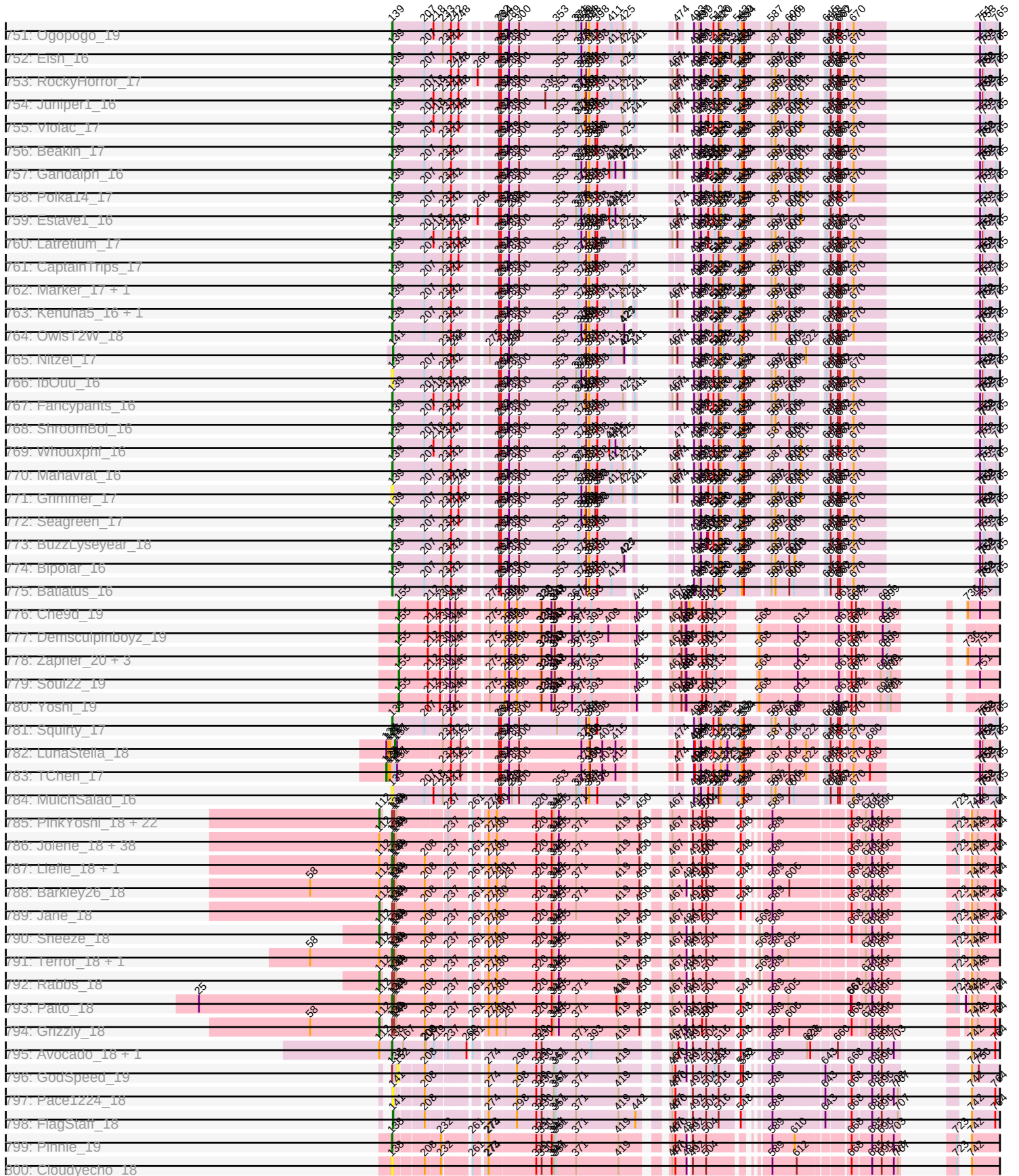
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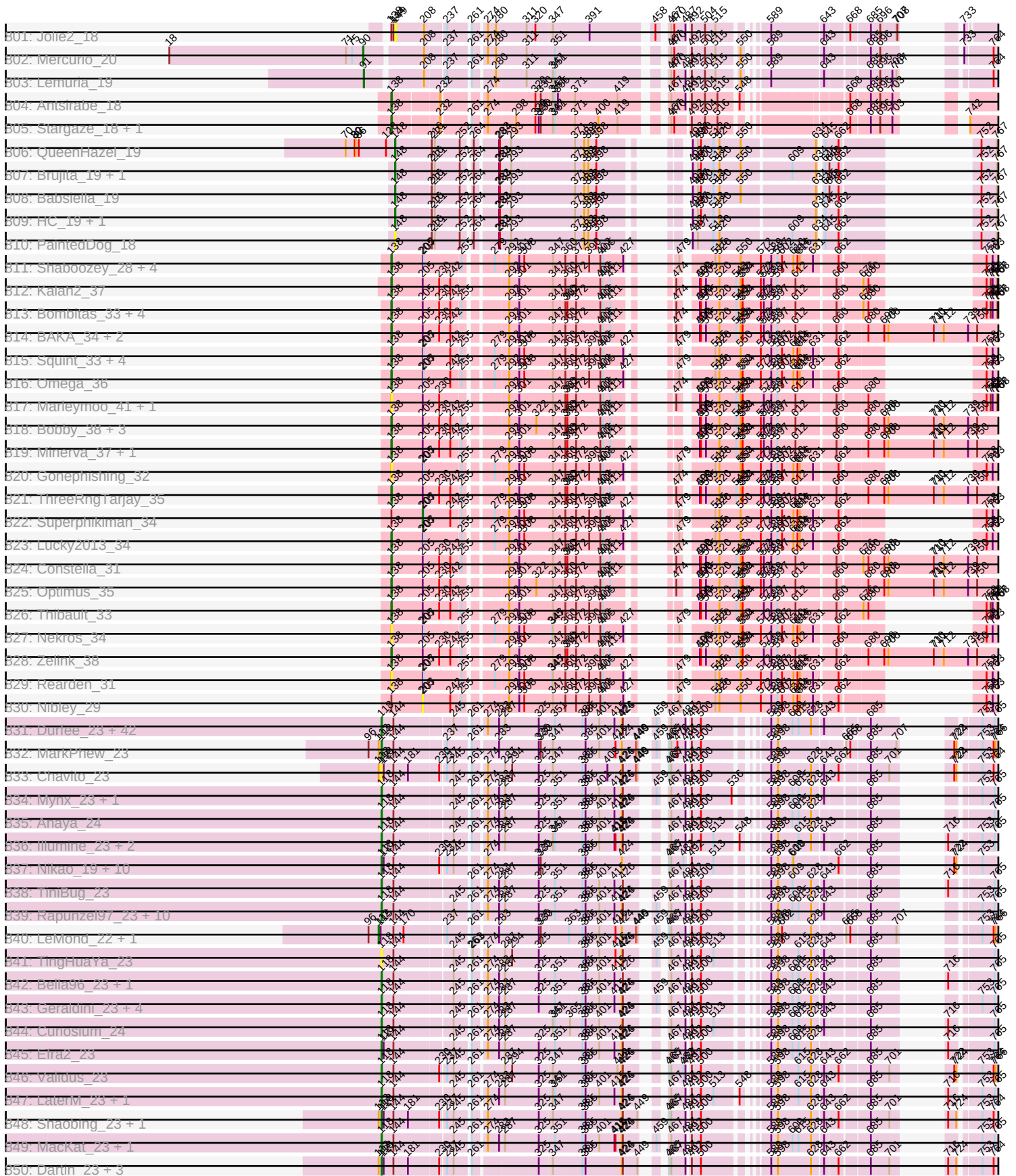
Zoomed Pham 279930

r01: GigiOurOur_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r02: Hamulus_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r03: Velveteen_17 + 8	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r04: OldBen_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r05: Spoonom_16 + 3	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r06: BodEinwohner17_16 + 3	139	201	232	268	300	353	398	419	421	467	507	508	610	733
r07: Gorge_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r08: Mishaz8_17 + 2	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r09: Fastidio_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r10: IrishSherpFalk_17 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r11: Scottish_17 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r12: Frankie_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r13: Arkmla_17 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r14: Filuzino_16 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r15: Ithubesi_16 + 1	139	201	232	268	300	353	398	419	421	467	507	508	610	733
r16: Boomer_17	139	201	232	306	300	353	398	419	421	467	507	508	610	733
r17: DirtyMcgirl_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r18: Rtaito_18 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r19: Lucia_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r20: NormanBulbier_16	139	201	232	268	300	353	398	419	421	467	507	508	610	733
r21: Donkeykong_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r22: Mutalorma13_16	139	201	232	276	300	353	398	419	421	467	507	508	610	733
r23: DosHalletts_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r24: Plumbus_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r25: DoRead_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r26: Poenanya_16 + 3	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r27: DoProduct_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r28: Grr_16 + 5	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r29: Melissauren88_16 + 7	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r30: Juice456_18 + 3	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r31: DmlTech15_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r32: FreddyB_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r33: Piper2020_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r34: Sama624_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r35: Rita_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r36: Aubs_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r37: ByChance_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r38: Madiba_17	139	201	232	266	300	353	398	419	421	467	507	508	610	733
r39: VRedHorse_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r40: RedBird_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r41: Firehouse51_17	139	201	232	268	300	353	398	419	421	467	507	508	610	733
r42: Radiance_16 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r43: Job42_19	139	201	232	268	300	353	398	419	421	467	507	508	610	733
r44: Alexphander_18	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r45: Minnie_17	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r46: Mwanjiwa_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r47: Che8_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r48: Topiatin_18	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r49: PopIart_16 + 1	139	201	232	300	353	398	419	421	467	507	508	552	610	733
r50: Byougenkin_16	139	201	232	300	353	398	419	421	467	507	508	552	610	733

Zoomed Pham 279930



Zoomed Pham 279930



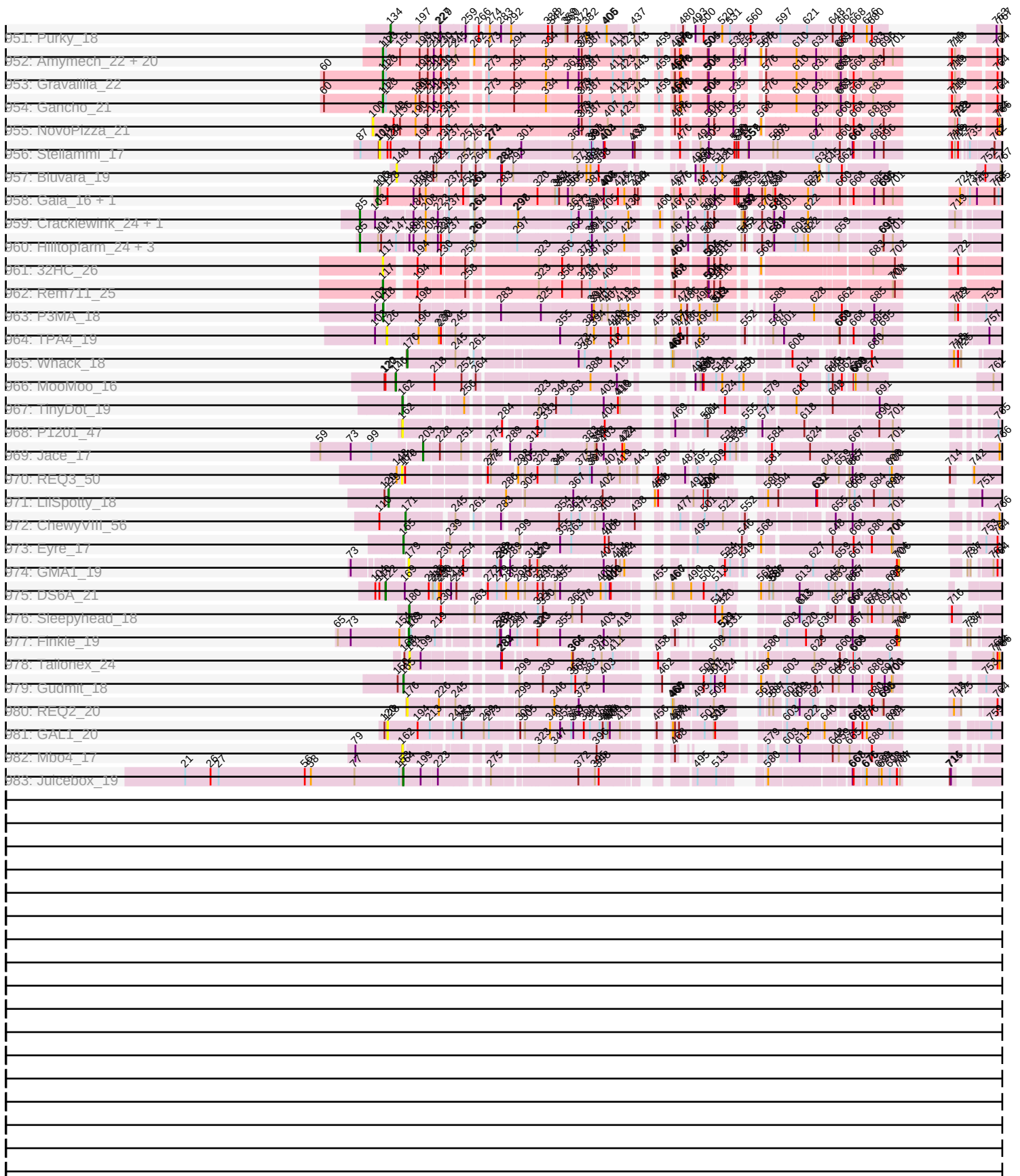
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552: Chris_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
553: N100_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
554: Guanica15_23 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
555: PntmI_23 + 5	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
556: DrHayes_23 + 3	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
557: LastHope_23	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
558: Marucutumou_23	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
559: Bern_23	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
560: Kisi_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
561: Oscar_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
562: AgeOldapage_23	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
563: Pokerus_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
564: Findley_19 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
565: BoostSeason_19	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
566: DismalStressor_19 + 2	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
567: TM4_19	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
568: Mmy_19	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
569: Dougmid_19 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
570: ZoeJ_19	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
571: TBond007_22 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
572: Kesnu_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
573: IndieTrouble_21	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
574: MachCheese_23	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
575: Lea83_22 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
576: Pharo_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
577: Hurricane_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
578: Honnonarhi_24	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
579: Dansyi44_25	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
580: Mmti_24 + 6	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
581: Juliette_24	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
582: JFI_24 + 3	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
583: Reptar3000_24	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
584: Y10_24 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
585: Raquito_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
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589: PatI_24	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
590: YasnayaPolyana_24	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
591: Leston_21	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
592: VIVI_20 + 6	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
593: Feyre_21 + 3	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
594: OkRoe_21	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
595: Miryou_21 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
596: Gengar_21	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
597: Rehyboy_21 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
598: Amohmion_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
599: Felterhead_22	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765
600: Phrank_22 + 1	96	118	245	261	274	325	351	386	401	416	467	487	500	588	615	643	685	710	724	765

Zoomed Pham 279930

001: Ekollam_20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Zoomed Pham 279930



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 279930 Report

This analysis was run 02/07/26 on database version 634.

Pham number 279930 has 2475 members, 291 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_24, 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, Raid_28, 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_29, CatBus_29, Hermia_30, KikiBouba_29
- 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 : Mkhuseleli_28
- Track 23 : GMonster_26, Bruns_26, Parliament_26
- Track 24 : Papez_29, PowerRanger_29, StewieG_26, ShortQueendom_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
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- Track 64 : Edison31_27, WalterMcMickey_27, Twister_27
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- Track 113 : Crucio_28
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- Track 115 : BabyBack_30
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- Track 166 : Changeling_30
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- Track 482 : EdnaMode_17, Lamberg_17

- Track 483 : Vasanti_17
- Track 484 : Attis_17, LordFarquaad_17, SoilAssassin_17, Yeet412_17, Bjanes7_17
- Track 485 : Matteo_17
- Track 486 : Jalleen_18
- Track 487 : Sahara_17
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- Track 491 : PhriskyACE_19, Dorito_19
- Track 492 : Tuti_24
- Track 493 : Beenie_20, WinkNick_20, Samman98_20, Dolores_20, MichaelScott_20, Suerte_18, Clark_20
- Track 494 : Hortense_20, Twinkle_20, Adora_20, Shlim410_20, Howe_20
- Track 495 : Thimann_20, Oregano_20, Easley_20, Mcklovin_20
- Track 496 : Invectra_20
- Track 497 : DobbysSock_19, Annalisa_20
- Track 498 : Powerball_19
- Track 499 : Sekhmet_20
- Track 500 : Denise_17
- Track 501 : Moosehead_17
- Track 502 : OneDirection_17, Pepperoni_17, Lton_17
- Track 503 : Faith5x5_17
- Track 504 : Sidious_19
- Track 505 : RavenCo17_17
- Track 506 : Frizzle_16
- Track 507 : Sapo_16
- Track 508 : Ghobes_16
- Track 509 : Archimedes_16
- Track 510 : GEazy_19, HannahD_19
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- Track 512 : Opie_19
- Track 513 : Kiko_20
- Track 514 : Bowser_19
- Track 515 : RayTheFireFly_19
- Track 516 : TaronosaurusRx_19
- Track 517 : Dmitri_19
- Track 518 : ZAYM_19
- Track 519 : BBQValindra_19
- Track 520 : Hedwig_20
- Track 521 : Bunker_19
- Track 522 : DirtyBoi_20
- Track 523 : BackstagePass_19
- Track 524 : Eyes_19
- Track 525 : Doggs_18
- Track 526 : Coriander_19
- Track 527 : Moonflower_19
- Track 528 : Gezellig_31, KimmyK_33, Arri_34, Halo3_32, Phlop_31, Wizard_31, Egi03_31, PullumCavea_31
- Track 529 : Danyall_33, Savbucketdawg_31, Jambalaya_31, CoveyB_33, Twister6_33
- Track 530 : SmokingBunny_31, Nubi_31, Togo_31, Portcullis_31
- Track 531 : Fugax_33, ClamChowder_33, Barb_33, PinkCoffee_33

- Track 532 : Shinji_31
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- Track 535 : YungMoney_33
- Track 536 : VanDeWege_34
- Track 537 : RogerDodger_34
- Track 538 : CherryCola_35
- Track 539 : Valary_34
- Track 540 : Bakery_32
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- Track 543 : JonJames_47, Yvonnetastic_45
- Track 544 : Cardigan_47
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- Track 549 : Tangerine_34, Gustavo_34, Saronaya_34, LilHam_32
- Track 550 : Gaea_34
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- Track 552 : JKSyngboy_32
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- Track 554 : Bizzy_35
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- Track 562 : Ashertheman_35
- Track 563 : Tangent_35
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- Track 566 : Vivi2_37, Sedona_35, Paries_37
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- Track 568 : ChadMasterC_35
- Track 569 : Keitabear_35
- Track 570 : Baddon_34, Derg_30
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- Track 582 : EMoore_31
- Track 583 : MelBins_34
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- Track 586 : Chickadee_32, Tiamoceli_33, GTE6_32
- Track 587 : RoadKill_30
- Track 588 : Kwekel_32
- Track 589 : Sampson_35
- Track 590 : BigHunkinEater_37, Scioto_35, Abblin_35, Natkenzie_35
- Track 591 : DoctorFroggo_34, Delrey21_34, Verity_34
- Track 592 : Tardus_36
- Track 593 : Pumpkiney_36
- Track 594 : Zipp_34
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- Track 602 : Hamood_22, Ayotoya_22, Chop_22, GrandSlam_22
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- Track 605 : Francois_22
- Track 606 : Bock_22
- Track 607 : Phendrix_87
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- Track 609 : DatBoi_31
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- Track 615 : BearBQ_19
- Track 616 : Birdsong_19, MortyNRick_19
- Track 617 : ODay_25
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- Track 620 : Leroy_20, Crater_18, Horus_20, Phistory_21, Apricot_19
- Track 621 : Whitney_21
- Track 622 : Kamaru_20, Holliday_20, Budski_20
- Track 623 : Lutum_20, LitninMcQueen_20, Phabuloso_20, Kenna_19
- Track 624 : Asapag_20, BotCity_20, Frickyyeah_20, BENtherdunthat_20
- Track 625 : ShawBrad_20, CheeseTouch_20
- Track 626 : Getalong_21
- Track 627 : Periwinkle_22
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- Track 637 : Sixama_99
- Track 638 : Vordorf_22
- Track 639 : Dogfish_21
- Track 640 : Nyceirae_23
- Track 641 : Ewald_22
- Track 642 : Meyran_21
- Track 643 : Manilisa_23
- Track 644 : BabyMoney_21
- Track 645 : Phishy_22
- Track 646 : MakCheese_20
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- Track 656 : Hibiscus_18
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- Track 658 : Cafasso_19, ModicumRichard_19, ObLaDi_19
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- Track 671 : Troy_17, SamW_17, Dina_17, Lederberg_17
- Track 672 : StAB_17, Stiles_17, Bran_17, Adelaide_17
- Track 673 : MicyPS_17
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- Track 675 : LordVader_18
- Track 676 : Blarby_20
- Track 677 : Rockne_16, PMC_16, Llij_16
- Track 678 : Beanstalk_18
- Track 679 : ShiLan_16, Burwell21_16, Martik_16, Zizzle_16, ShowerHandel_16, Yorick_16, Nivrat_16, Lizziana_16, Spikelee_17, Jarcob_16
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- Track 690 : Blexus_16
- Track 691 : Philus_16, Tchotchke_17, Sparkdehlily_16, LilMoolah_16, BobaPhett_16, DaWorst_18, Saal_16, Mantra_16, Mattes_16, SwagPigglett_16, DRBy19_16, TDanisky_16, Sandalphon_17, Eradicator_16, James_16
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- Track 693 : Emmaloid_17, PhilipPhlop_16, Totinger_17, Vivum_16, Starcevich_17, Slim_17, EmiMonkey_16
- Track 694 : Aloeri_17, ChickenDinner_17, DocMcStuffins_17
- Track 695 : PHappiness_16, JoeyJr_16, DaddyRickover_16, Dorothy_16, Empress_17, Pacc40_16, Daenerys_16, BlueCrab_16, Nimbo_16
- Track 696 : Doug_17
- Track 697 : ArcusAngelus_16, Chevrolet_16
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- Track 704 : OldBen_16
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- Track 710 : IrishSherpFalk_17, WillSterrel_17
- Track 711 : Scottish_17, KingMidas_17
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- Track 730 : Juice456_18, Kimberlium_18, QuickMath_17, MulchExplorer_19
- Track 731 : DillTech15_16
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- Track 763 : Kenuha5_16, SuperGrey_17
- Track 764 : OwlsT2W_18
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- Track 856 : DrHayes_23, Anma_23, SamuelLPlaqson_23, Urkel_23
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- Track 871 : TBond007_22, Pixie_22
- Track 872 : Keshu_22
- Track 873 : TribbleTrouble_21
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- Track 883 : Reptar3000_24
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- 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, 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 : Tigress9_23
- Track 905 : Ximenita_23
- Track 906 : November_21
- Track 907 : Marshawn_24
- Track 908 : Applecrisp_21
- 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, 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, Phegasus_19, Majeke_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, OBUpride_22, Luna22_22,
 Kinbote_22, Hail_22, DeepSoil15_22, Webster2_22, LilHazelNut_22, Hadrien_22,
 Wishmaker_22, Ein37_22, Daegal_23, Amochick_22
 • Track 953 : Gravaillia_22
 • Track 954 : Gancho_21
 • Track 955 : NovoPizza_21
 • Track 956 : Stellammi_17
 • Track 957 : Bluvara_19
 • 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 : MooMoo_16
 • Track 967 : TinyDot_19
 • Track 968 : P1201_47
 • Track 969 : Jace_17
 • Track 970 : REQ3_50
 • Track 971 : LilSpotty_18
 • Track 972 : ChewyVIII_56
 • Track 973 : Eyre_17
 • Track 974 : GMA1_19
 • Track 975 : DS6A_21

- Track 976 : Sleepyhead_18
- Track 977 : Finkle_19
- Track 978 : Tailonex_24
- Track 979 : Gudmit_18
- Track 980 : REQ2_20
- Track 981 : GAL1_20
- Track 982 : Mbo4_17
- Track 983 : 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 150, it was called in 625 of the 2184 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, CocoaPuff_17, CocoaBerry_27, CogOmlette_26, Colbster_29, Commander_27, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Cozz_18, Crater_18, 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, 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, Ghoulyboy_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_28, 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, 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, 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, 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, Newrafa_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, Phonthbonne_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, Prinash11_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_31, ReMo_30, Reba_30, Rebeuca_28, RedRock_31, Refuge_31, Relief_27, Remus_30, ResDef_28, Retro23_28, RhynO_28, Rifter_31, Roary_24, RockieBear_26, Rockstar_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_27, SuperAwesome_31, SuperCallie99_31, Superchunk_27, Survivors_20, SweatNTears_20, SweetiePie_28, Swirley_24, Switzerland_30, SydNat_24, TNguyen7_27, Taquarus_27, 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, TipsytheTRex_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, WalterMcMickey_27, Wander_27, Warrior24_30, Watson_29, Whabigail7_30, Whitney_21, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wizard007_27, Wolfwood_22, 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, GTE2_16, GoldHunter_19, Gratitude_29, Gudmit_18, HortumSL17_30, Jordennis_31, Kalpine_31, Lokk_31, MarysWell_23, MegTheThirid_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, RSchmailzl_19, RedBaron_19, Sixama_99, SketchMex_17, Socotra_19, Sopespian_18, Starburst_19, StepMih_29, SwirlSquare_30, 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, Abbysshoes_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, Alpacados_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, Ashballer_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, BPBiEbs31_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, Banquo_26, 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_37, 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, Bjanes7_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, 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, Catfish_22, 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_35, Cherrybomb426_18, Chevrolet_16, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenDinner_17, Chop_22, ChosenOne_23, ChotaBhai_24, Chris_22, ChristmasHams_28, Chubbello_19, Chuckly_16, Ciao_27, Cjw1_24, ClamChowder_33, 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, Crispicous1_26, Cruella_31, Crumble_16, CrystalP_24, Cubone_18, Cucurbita_50, Cueylyss_27, Culver_48, Curiosium_24, Cynthia_17, Czysty1_25, DD5_28, DLane_16, DMoney_18, DNAlII_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, Dardanus_24, Daredevil_29, Darionha_18, DartGoblin_23, DarthP_22, Dartin_23, Darwin_34, DatBoi_31, DeadP_16, 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, DinoDaryn_24, 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, 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, Ferry_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, Gaia_16, Galactic_16, Galadriel_35, 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, Goib_23, 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, Gsput1_20, Guacamole_19, Guanica15_23, Guey18_58, Guillsminger_21, Gustav_18, Gustavo_34, GuyFagieri_45, 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_19, 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, Huffy_24, 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, Inca_23, Inky_23, Inspectinfecti_34, Invectra_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, Jeilious_18, Jennelsea_16, Jerm2_28, Jester_23, Jifall16_40, Jinglebell_15, Job42_19, JoeyJr_16, 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_29, 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, Kweke1_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, 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, Lizziana_16, Llama_16, Llij_16, Llorens_23, Lockley_27, Lollipop1437_46, LonelyBoi_20, 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, 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_24, 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, MkhuseLi_28, Mocha12_17, ModicumRichard_19, Modragons_16, Moldemort_25, MollyToe_24, Molly_28, Mollymur_31, 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_19, 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, 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, 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_21, NovumRegina_41, Noxious_29, 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, 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, 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, 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, Petruchio_28, PhailMary_22, Phaja_24, Phalconet_16, Phalm_19, PhancyPhin_18, Phanphagia_16, 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, Philipppers_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_29, 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, Qualification_25, QueenHazel_19, QuickMath_17,

Quico_17, QuincyRose_22, REQ2_20, REQ3_50, RER2_16, RGL3_16, Rabbs_18, Radiance_16, Raid_28, 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, 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, Rutherford_29, Ruthiejr_23, Ruthy_19, Ryadel_60, SG4_16, STLscum_28, Saal_16, Sagefire_28, Sahara_17, Saints25_25, Salvador_31, SamScheppers_22, SamW_17, Samba_19, Samman98_20, Sampson_35, SamuelLPlagson_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, Schmidt_20, 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, SgtBeansprout_19, ShaboiShabazz_18, Shaboozey_28, Shadow1_21, ShamWow_24, Shaobing_23, Shauna1_16, ShedlockHolmes_22, ShereKhan_26, ShiLan_16, ShiaSurprise_23, Shida_56, Shinji_31, Shipwreck_18, Shivanishola_36, Shlim410_20, ShortQueendom_26, 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, 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, Snekmaggon_18, SoSeph_21, SoilAssassin_17, Solon_27, Sonah_19, SophKB_24, Sorpresa_27, Sotrice96_24, Soul22_19, Sparkdehlily_16, SpeedDemon_320, SpikeBT_29, Spikelee_17, Spinach_18, Splinter_22, 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, Starcevic_17, Stargaze_18, Stark_25, StellaBean_24, Stellammi_17, StevieRay_19, StewieG_26, 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, 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, TZGordon_24, Tachez_23, Taheera_18, Tailonex_24, TaiwanKao_24, Taj_16, Takoda_23, Tangent_35, Tangerine_34, Tapioca_18, Taquito_22, Tardus_36, Target_30, Tarkin_26, TaronosaurusRx_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, 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_23, TillyBobJoe_31, TimTam_19, TinaBug_18, TinaLin_25, 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_24, 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, Vendetta_22, 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, 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 81:

- Found in 4 of 2475 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: FF47_21 (AB),

Start 85:

- Found in 6 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 5 of 2184
- 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 86:

- Found in 34 of 2475 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: CherryCola_35 (DC1), Shinji_31 (DC1),

Start 89:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_24 (K6),

Start 90:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 91:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 94:

- Found in 6 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 2184
- Called 83.3% of time when present
- Phage (with cluster) where this start called: 8UZL_21 (AB), JacoRen57_17 (AB), Maco6_19 (AB), Muddy_21 (AB), NoShow_18 (AB),

Start 96:

- Found in 56 of 2475 (2.3%) of genes in pham
- Manual Annotations of this start: 3 of 2184
- Called 5.4% of time when present
- Phage (with cluster) where this start called: Amgine_21 (K6), MalagasyRose_24 (AG), Nergal_22 (AG),

Start 100:

- Found in 1 of 2475 (0.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NovoPizza_21 (Q),

Start 104:

- Found in 19 of 2475 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 5.3% of time when present
- Phage (with cluster) where this start called: BritBrat_20 (CY2),

Start 105:

- Found in 88 of 2475 (3.6%) of genes in pham
- Manual Annotations of this start: 84 of 2184
- Called 97.7% 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), ChadMasterC_35 (DE1), Charming_35 (DE1), 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), SmokingBunny_31 (DC1), 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 106:

- Found in 17 of 2475 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 2184
- Called 11.8% of time when present
- Phage (with cluster) where this start called: Gaia_16 (X), Nebkiss_17 (X),

Start 111:

- Found in 1 of 2475 (0.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stellammi_17 (UNK),

Start 112:

- Found in 157 of 2475 (6.3%) of genes in pham
- Manual Annotations of this start: 26 of 2184
- Called 21.7% 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), DNAIII_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), Maliketh_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), Ruriko_18 (G1), Scarlett_22 (K1), Sizemore_18 (G1), Sneeze_18 (G1), Sweets_18 (G1), Tigress9_23 (K6), Wendigo_18 (G1), YasnayaPolyana_24 (K4),

Start 115:

- Found in 80 of 2475 (3.2%) of genes in pham
- Manual Annotations of this start: 20 of 2184
- Called 26.2% of time when present
- Phage (with cluster) where this start called: Bobquesha_25 (K4), BoostSeason_19 (K2), DismalFunk_19 (K2), DismalStressor_19 (K2), Doughnut_19 (K2), Fefferhead_22 (K6), Findley_19 (K2), Juliette_24 (K4), KiSi_22 (K1), Marcoliusprime_19 (K2), Milly_19 (K2), MissDaisy_24 (K4), Mufasa_19 (K2), Murai_57 (O), Oscar_22 (K1), Reptar3000_24 (K4), Strobilo_19 (K2), TM4_19 (K2), Taquito_22 (K4), Wildflower_56 (O), ZoeJ_19 (K2),

Start 116:

- Found in 47 of 2475 (1.9%) of genes in pham
- Manual Annotations of this start: 3 of 2184

- Called 8.5% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1), IdentityCrisis_17 (AJ), WST1_18 (AJ),

Start 117:

- Found in 27 of 2475 (1.1%) of genes in pham
- Manual Annotations of this start: 24 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_26 (Z), Amochick_22 (Q), Amymech_22 (Q), BloominB_22 (Q), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), Ein37_22 (Q), Evanesce_22 (Q), Forge_22 (Q), Gancho_21 (Q), Giles_22 (Q), Gravallia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), JustASigh_18 (AH), Kinbote_22 (Q), LilHazelNut_22 (Q), Luke_22 (Q), Luna22_22 (Q), OBUpride_22 (Q), Rem711_25 (Z), Ubuntu_22 (Q), Webster2_22 (Q), Weirdo19_19 (AH), Wishmaker_22 (Q),

Start 118:

- Found in 177 of 2475 (7.2%) of genes in pham
- Manual Annotations of this start: 149 of 2184
- Called 92.1% 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), BGlluviae_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), QuincyRose_22 (K1), Ramen_23 (K1), Rapunzel97_23 (K1), Richo_23 (K1), Rosmarinus_23 (K1), Ruthiejr_23 (K4), SamScheppers_22 (K4), SamuelLPlaqueson_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),

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 26 of 2475 (1.1%) of genes in pham
- Manual Annotations of this start: 25 of 2184
- Called 96.2% 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), Jablanski_20 (CY3), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY7), Lucky10_18 (DH), Marteenaa_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY4), Pytheas_20 (CY3), Wrigley_20 (CY4),

Start 120:

- Found in 64 of 2475 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 1.6% of time when present
- Phage (with cluster) where this start called: ZAYM_19 (DB),

Start 121:

- Found in 74 of 2475 (3.0%) of genes in pham
- Manual Annotations of this start: 44 of 2184
- Called 67.6% of time when present
- Phage (with cluster) where this start called: Agent47_21 (K5), Alkhayr_56 (O), Ashwin_58 (O), BananenDer11_21 (K5), Blessica_57 (O), Bora_54 (O), Catdawg_56 (O), Collard_21 (K5), Corndog_59 (O), DoubleChamp_21 (K5), Dylan_56 (O), Familton_57 (O), Feyre_21 (K5), Firecracker_57 (O), FoulBall_56 (O), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), Idergollasper_56 (O), Imara_54 (O), InvictusManeo_21 (K5), JangDynasty_56 (O), KingPhillip3_55 (O), Kratio_20 (K5), Krili_55 (O), Leston_21 (K5), MadKillah_57 (O), Miryou_21 (K5), Mori_56 (O), NiebruSaylor_55 (O), OkiRoe_21 (K5), Paola_21 (K5), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), SoSeph_21 (K5), TelAviv_53 (O), Thyatira_21 (K5), Vagabond_56 (O), ViviJ_20 (K5), Vorrrps_56 (O), Waterfoul_21 (K5), Winget_57 (O), Wogge42_55 (O), YoyoKar_54 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_56 (O),

Start 122:

- Found in 2 of 2475 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DS6A_21 (singleton),

Start 125:

- Found in 10 of 2475 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Sixama_99 (DS),

Start 126:

- Found in 1 of 2475 (0.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA4_19 (singleton),

Start 127:

- Found in 21 of 2475 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 4.8% of time when present
- Phage (with cluster) where this start called: TChen_17 (F4),

Start 128:

- Found in 21 of 2475 (0.8%) of genes in pham
- Manual Annotations of this start: 8 of 2184
- Called 42.9% 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), SamW_17 (EP), StAB_17 (EP), Stiles_17 (EP), Troy_17 (EP),

Start 129:

- Found in 111 of 2475 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 0.9% of time when present
- Phage (with cluster) where this start called: LilSpotty_18 (singleton),

Start 130:

- Found in 423 of 2475 (17.1%) of genes in pham
- Manual Annotations of this start: 8 of 2184
- Called 3.3% of time when present
- Phage (with cluster) where this start called: BabyBack_30 (A2), BobSwaget_31 (A2), CloudWang3_31 (A6), Colin_32 (A2), DekHockey33_30 (A15), ForesterFrank_29 (A2), Gratitude_29 (A2), Jordennis_31 (A6), Kalpine_31 (A2), Lokk_31 (A2), SwirlSquare_30 (A2), Terrific_32 (A2), WeiHuaDA_34 (A2), XianYue_28 (A2),

Start 134:

- Found in 57 of 2475 (2.3%) of genes in pham
- Manual Annotations of this start: 48 of 2184
- 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), Polkaro_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 138:

- Found in 139 of 2475 (5.6%) of genes in pham
- Manual Annotations of this start: 76 of 2184
- Called 64.0% of time when present
- Phage (with cluster) where this start called: AizenPogi_18 (G1), Angel_18 (G1), Annihilator_18 (G1), Antsirabe_18 (G5), Ariel_34 (J), Aroostook_18 (G1), Avocado_18 (G2), Avrafan_18 (G1), AzulaCat_18 (G1), BAKA_34 (J), BPs_18 (G1), Barkley26_18 (G1), Bobby_38 (J), Bombitas_33 (J), BronnyJames_28 (J), BruceB_18 (G1), Cambiare_19 (G2), CassieYates_18 (G1), Cedasite_18 (G1), Cloudyecho_18 (G3), Coleslaw_18 (G1), Constella_31 (J), Courthouse_34 (J), Crespo_18 (G1), DMoney_18 (G1), Darionha_18 (G1), DmpstrDiver_35 (J), Dove_34 (J), ECartman_18 (G1), Ejimix_37 (J), Gideon_18 (G1), GoldenAsh_18 (G1), Gomashi_18 (G1), Gonephishing_32 (J), Halo_18 (G1), Hannaconda_31 (J), Hidrated_39 (J), Hope_18 (G1), Hughesyang_35 (J), Jeilious_18 (G), Jolene_18 (G1), JorRay_18 (G1), Kalah2_37 (J), Kareem_18 (G1), KashFlow_28 (J), Klein_37 (J), Liefie_18 (G1), LittleE_37 (J), LouisV14_18 (G1), Lucky2013_34 (J), Marleymoo_41 (J), Marmie_18 (G1), MiaZeal_34 (J), Minerva_37 (J), Mowgli_18 (G1), Nekros_34 (J), OctaviousRex_18 (G1), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Paito_18 (G1), Peeb_18 (G1), Periodt_18 (G1), Phoebus_36 (J), Phreak_18 (G1), Pinnie_19 (G3), Plagueis_18 (G1), Porcelain_33 (J), Rattrick_18 (G1), Rearden_31 (J), Redno2_35 (J), Renaissance_18 (G1), Schatzie_34 (J), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Shaboozey_28 (J), Squint_33 (J), Stargaze_18 (G5), Taheera_18 (G1), Terror_18 (G1), Thibault_33 (J), ThreeRngTarjay_35 (J), TinaBug_18 (G1), TomBrady_18 (G1), Wanda_37 (J), YangYin_18 (G5), Zelink_38 (J), ZoMa_18 (G1), Zombie_18 (G1),

Start 139:

- Found in 253 of 2475 (10.2%) of genes in pham
- Manual Annotations of this start: 218 of 2184
- Called 95.3% 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), 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), DocMcStuffs_17 (F1), Donkeykong_16 (F1), Doomphist_16 (F1), 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), GUmble_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), Ibhubesi_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jant_16 (F1),

Jarcob_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), KingMidas_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), MarysWell_23 (A5), 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_19 (F1), MulchSalad_16 (F7), Mutaforma13_16 (F1), Mwanjiwa_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogopogo_19 (F1), 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 140:

- Found in 70 of 2475 (2.8%) of genes in pham
- Manual Annotations of this start: 9 of 2184
- Called 32.9% 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), RedBaron_19 (CT), SketchMex_17 (CT), Socotra_19 (CT), Sopespian_18 (CT), Starburst_19 (CT),

Start 141:

- Found in 59 of 2475 (2.4%) of genes in pham
- Manual Annotations of this start: 4 of 2184
- Called 8.5% of time when present
- Phage (with cluster) where this start called: FlagStaff_18 (G2), Nitzel_17 (F1), Pace1224_18 (G2), Y10_24 (K4), Y2_24 (K4),

Start 142:

- Found in 6 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 6 of 2184
- Called 100.0% 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 410 of 2475 (16.6%) of genes in pham
- Manual Annotations of this start: 125 of 2184
- Called 31.2% of time when present
- Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Aggie_18 (N), 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), Buck_23 (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), Czyszczo1_25 (E), DrDrey_25 (E), Duplicity_18 (N), Dusk_23 (E), EGUnicorn_18 (N), Elite2014_23 (E), Elph10_25 (E), Eureka_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), 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), Snekmaggon_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), 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 146:

- Found in 8 of 2475 (0.3%) of genes in pham
- Manual Annotations of this start: 7 of 2184
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), MagicMan_19 (DB), MooMoo_16 (singleton), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurusRx_19 (DB),

Start 147:

- Found in 25 of 2475 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 4.0% of time when present

- Phage (with cluster) where this start called: LunaStella_18 (F4),

Start 148:

- Found in 60 of 2475 (2.4%) of genes in pham
- Manual Annotations of this start: 18 of 2184
- Called 35.0% of time when present
- Phage (with cluster) where this start called: Aliter_30 (A9), Alma_30 (A9), BBQValindra_19 (DB), Babsiella_19 (I1), BackstagePass_19 (DB), Bluvara_19 (UNK), Brujita_19 (I1), Bunker_19 (DB), Eidsmoe_30 (A9), GEazy_19 (DB), HC_19 (I1), HannahD_19 (DB), HortumSL17_30 (A9), Island3_19 (I1), Myxus_30 (A9), PackMan_30 (A9), PaintedDog_18 (I1), Phaeder_30 (A9), Qobbit_30 (A9), QueenHazel_19 (I1), Xula_18 (I1),

Start 149:

- Found in 75 of 2475 (3.0%) of genes in pham
- No Manual Annotations of this start.
- Called 1.3% of time when present
- Phage (with cluster) where this start called: Jolie2_18 (G4),

Start 150:

- Found in 763 of 2475 (30.8%) of genes in pham
- Manual Annotations of this start: 625 of 2184
- Called 92.7% 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), 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), 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), 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), Feastonyet_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), Iwokeuplikiedis_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_28 (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), LoneWolf_29 (A9), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Lowa_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), 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), 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_31 (A15), ReMo_30 (A15), Reba_30 (A3), Rebeuca_28 (A10), 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), 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_27 (A14), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), Survivors_20 (CT), SweatNTears_20 (CT), SweetiePie_28 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), TNguyen7_27 (A3), Taquarus_27 (A4), 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), TopsytheTRex_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), 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_22 (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 152:

- Found in 250 of 2475 (10.1%) of genes in pham
- Manual Annotations of this start: 219 of 2184
- Called 94.8% 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), BPBiebs31_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), Bigchung_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), Cueylyss_27 (A1), DD5_28 (A1), Dexes_28 (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_29 (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_24 (A1), Mkhuseleli_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_29 (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_28 (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), 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 153:

- Found in 3 of 2475 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Applejacks_18 (CD),

Start 155:

- Found in 71 of 2475 (2.9%) of genes in pham
- Manual Annotations of this start: 12 of 2184
- Called 21.1% of time when present
- Phage (with cluster) where this start called: Avani_19 (F2), Blarby_20 (F), Cardigan_47 (DD), Che9d_19 (F2), Cindaradix_26 (A4), Demsculpinboyz_19 (F2), Jabbawokkie_21 (F2), JonJames_47 (DD), Miramae_27 (A4), Noelle_27 (A4), SilverChicken_19 (F2), Soul22_19 (F2), Yoshi_19 (F2), Yvonnetastic_45 (DD), Zapner_20 (F2),

Start 157:

- Found in 8 of 2475 (0.3%) of genes in pham
- Manual Annotations of this start: 7 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coriander_19 (DB), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Hedwig_20 (DB), Kiko_20 (DB), Moonflower_19 (DB), RayTheFireFly_19 (DB),

Start 159:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mollymur_31 (DL),

Start 160:

- Found in 51 of 2475 (2.1%) of genes in pham
- Manual Annotations of this start: 22 of 2184
- Called 45.1% of time when present
- Phage (with cluster) where this start called: Abscondus_47 (CQ1), Aphelion_48 (CQ1), Bachita_50 (CQ1), BlueNGold_100 (DS), Boopy_101 (DS), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Cucurbita_50 (CQ1), Culver_48 (CQ1), Dusty_47 (CQ1), Engineer_49 (CQ1), Forza_101 (DS), Geeche_47 (CQ1), Lozinak_48 (CQ1), Mareelih_99 (DS), Miskis_46 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1), Zareef_20 (CT),

Start 161:

- Found in 8 of 2475 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 2184
- 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 162:

- Found in 115 of 2475 (4.6%) of genes in pham
- Manual Annotations of this start: 92 of 2184
- Called 90.4% 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), Arti_41 (CR2), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), Bialota_19 (CZ1), Bonum_44 (CR2), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Buggaboo_42 (CR2), Bunnybear_18 (CZ), Clark_20 (CZ4), Commandaria_43 (CR2), Dalilpop_46 (CR1), DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Emianna_41 (CR2), Ennea_47 (CR3), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), Herod_19 (CZ1), HomeFry_47 (CR5), Hortense_20 (CZ4), Howe_20 (CZ4), HubbaBubba_39 (CR4), Hugley_19 (CZ1), Hyzer_19 (CZ1), IDyn_42 (CR4), Invectra_20 (CZ4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kita_19 (CZ1), Kurt_41 (CR2), Lollipop1437_46 (CR3), Madavieve_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MerCougar_42 (CR2),

MichaelScott_20 (CZ4), NadineRae_41 (CR4), NatB6_41 (CR2), Neobush_19 (CZ1), NosilaM_44 (CR2), NovumRegina_41 (CR2), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), Outis_42 (CR2), P1201_47 (singleton), PantheRoc_19 (CZ3), Patio_44 (CR3), Phomeo_40 (CR2), PhriskyACE_19 (CZ4), Pleakley_50 (CR5), Polly_19 (CZ1), Powerball_19 (CZ4), RedRaider_48 (CR3), Samman98_20 (CZ4), Scuba_50 (CR5), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Skysand_43 (CR3), StarStruck_42 (CR2), Suerte_18 (CZ4), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Suscepit_19 (CZ1), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Tracker_41 (CR2), Trumpet_19 (CZ1), Turuncu_45 (CR1), Tuti_24 (CZ4), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), Wheezy_41 (CR2), WhoseManz_43 (CR4), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Yndexa_43 (CR4), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 163:

- Found in 30 of 2475 (1.2%) of genes in pham
- Manual Annotations of this start: 16 of 2184
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), DonkeyMan_18 (DY), GMA2_30 (DS), Gustav_18 (CD), Heinz_19 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Mahdia_18 (CD), Puppies_18 (CD), Reyja_19 (DY), Santhid_18 (DY), SpeedDemon_320 (DL), Tarzan_18 (DY), Towmatter_28 (DL), Upyo_18 (CD), Widow_18 (CD),

Start 164:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_19 (singleton),

Start 165:

- Found in 43 of 2475 (1.7%) of genes in pham
- Manual Annotations of this start: 39 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjaness7_17 (CZ2), C3PO_31 (EN), Clap_17 (CZ2), Cruella_31 (EN), Cynthia_17 (CZ2), Darwin_34 (EN), 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), Kimchi1738_31 (EN), 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), PeteyPab_33 (EN), Pickett_17 (CZ2), PotatoChip_34 (EN), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), Stickynote_33 (EN), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2), Zion_34 (EN),

Start 166:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_18 (CD),

Start 167:

- Found in 9 of 2475 (0.4%) of genes in pham

- Manual Annotations of this start: 1 of 2184
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Malibo_20 (DW),

Start 168:

- Found in 30 of 2475 (1.2%) of genes in pham
- Manual Annotations of this start: 10 of 2184
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Apiary_45 (CR6), Bonanza_23 (CA), Braxoaddie_45 (CR6), CoffeeBean_45 (CR6), Dinger_23 (CA), GuyFagieri_45 (CR6), Jester_23 (CA), MacGully_50 (CR7), Maselop_45 (CR6), Polyyuki_45 (CR6),

Start 169:

- Found in 52 of 2475 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 1.9% of time when present
- Phage (with cluster) where this start called: Lilbeanie_30 (DE5),

Start 171:

- Found in 6 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 172:

- Found in 23 of 2475 (0.9%) of genes in pham
- Manual Annotations of this start: 18 of 2184
- Called 82.6% of time when present
- Phage (with cluster) where this start called: APunk_36 (DE4), Ali17_31 (DE2), Belphegor_33 (DE2), Delrey21_34 (DE4), DoctorFroggo_34 (DE4), EMOore_31 (DE2), Hans_35 (DE2), Inspectinfecti_34 (DE2), Leonard_33 (DE2), MelBins_34 (DE2), Phauci_26 (DE2), Phinally_33 (DE2), Pumpkiney_36 (DE4), Sampson_35 (DE4), Tardus_36 (DE4), Verity_34 (DE4), ViaConlectus_35 (DE4), Zipp_34 (DE4), Zitch_36 (DE4),

Start 173:

- Found in 248 of 2475 (10.0%) of genes in pham
- Manual Annotations of this start: 4 of 2184
- Called 4.0% 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_29 (A1), ShortQueendom_26 (A1), StewieG_26 (A1), Zeuska_28 (A1),

Start 174:

- Found in 33 of 2475 (1.3%) of genes in pham
- Manual Annotations of this start: 18 of 2184
- Called 60.6% of time when present
- Phage (with cluster) where this start called: Ayotoya_22 (DI), BetterKatz_22 (DI), BiPauneto_44 (CR4), 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), Pemberton_45 (CR4), Pimento_23 (DI), Sprinklemunch_18 (DW), WheatThin_22 (DI), Zodiariah_18 (DW),

Start 175:

- Found in 14 of 2475 (0.6%) of genes in pham
- Manual Annotations of this start: 10 of 2184
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Chickadee_32 (DE3), Dexdert_33 (DE3), EdmundFerry_31 (DE3), GTE6_32 (DE3), GodonK_89 (DK), Kwekel_32 (DE3), Morrissey_19 (CD), Phendrix_87 (DK), RoadKill_30 (DE3), Tiamoceli_33 (DE3), Twonlo_30 (DE3),

Start 176:

- Found in 2 of 2475 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ2_20 (singleton), Whack_18 (singleton),

Start 177:

- Found in 67 of 2475 (2.7%) of genes in pham
- Manual Annotations of this start: 46 of 2184
- Called 73.1% 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), Delian_19 (CV), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_16 (DA), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), Samba_19 (CV), Sapo_16 (DA), Toast_19 (CV), 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 178:

- Found in 6 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 2184
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MicyPS_17 (EQ), PSonyx_17 (EQ),

Start 179:

- Found in 4 of 2475 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 180:

- Found in 10 of 2475 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 181:

- Found in 102 of 2475 (4.1%) of genes in pham
- Manual Annotations of this start: 32 of 2184
- Called 33.3% 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), Rhodalyssa_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 185:

- Found in 11 of 2475 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 2184
- Called 18.2% of time when present
- Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 186:

- Found in 7 of 2475 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 2184
- Called 71.4% of time when present
- Phage (with cluster) where this start called: BabyMoney_21 (DT), Manilisa_23 (DT), Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 189:

- Found in 24 of 2475 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Abblin_35 (DE4), BigHunkinEater_37 (DE4), Natkenzie_35 (DE4), Scioto_35 (DE4),

Start 190:

- Found in 31 of 2475 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 3.2% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 192:

- Found in 7 of 2475 (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: MakCheese_20 (DW),

Start 193:

- Found in 42 of 2475 (1.7%) of genes in pham
- Manual Annotations of this start: 3 of 2184
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Meyran_21 (DT),

Start 199:

- Found in 549 of 2475 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- 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 203:

- Found in 1 of 2475 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Start 205:

- Found in 199 of 2475 (8.0%) of genes in pham
- Manual Annotations of this start: 48 of 2184
- Called 32.7% of time when present
- Phage (with cluster) where this start called: Amao_24 (E), Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Becksu_24 (E), Bench_26 (E), BilboSwaggins_24 (E), Bogg_24 (E), Brewer_24 (E), Bruin_24 (E), Budgie_26 (E), BugsBunny_22 (E), ChotaBhai_24 (E), Daikon_22 (E), DoctorDiddles_24 (E), Dumbo_24 (E), Easy2Say_26 (E), Emmina_25 (E), FairyPath_24 (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), HuffyPuff_23 (E), IHOP_24 (E), Icee_23 (E), Inca_23 (E), JeTaimé_26 (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), NonchalantPear_24 (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 220:

- Found in 66 of 2475 (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 222:

- Found in 45 of 2475 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 2.2% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Start 233:

- Found in 302 of 2475 (12.2%) of genes in pham
- Manual Annotations of this start: 2 of 2184
- Called 0.7% of time when present
- Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 244:

- Found in 271 of 2475 (10.9%) of genes in pham

- Manual Annotations of this start: 1 of 2184
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Start 267:

- Found in 12 of 2475 (0.5%) of genes in pham
- Manual Annotations of this start: 11 of 2184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_26 (CU1), Catfish_22 (CU5), Dardanus_24 (CU3), DinoDaryn_24 (CU1), Goib_23 (CU1), Gsput1_20 (CU2), Huffy_24 (CU1), Schmidt_20 (CU4), Splinter_22 (CU1), TZGordon_24 (CU1), TinaLin_25 (CU1), Vendetta_22 (CU1),

Start 284:

- Found in 1161 of 2475 (46.9%) 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 417:

- Found in 48 of 2475 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 2184
- Called 2.1% of time when present
- Phage (with cluster) where this start called: BobbyDazzler_23 (CA),

Summary by clusters:

There are 127 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, CU5, CU4, CU3, CU2, CU1, A22, DN4, DN1, DN3, DN2, F, CA, J, CD, CZ, CY5, UNK, CV, CT, A20, F1, F2, F3, F4, F7, DN, DL, DK, DH, DI, DD, DB, DA, DZ, DY, DW, DT, DS, DP, A15, A14, A17, A16, A11, A10, A13, A12, I1, 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 152 was manually annotated 214 times for cluster A1.
- Start number 173 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 150 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 150 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 150 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 150 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 130 was manually annotated 1 time for cluster A15.
- Start number 150 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 150 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 152 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 150 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 130 was manually annotated 5 times for cluster A2.
- Start number 150 was manually annotated 99 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 150 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 150 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 150 was manually annotated 115 times for cluster A3.
- Start number 199 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 150 was manually annotated 138 times for cluster A4.
- Start number 155 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 139 was manually annotated 1 time for cluster A5.
- Start number 150 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 130 was manually annotated 2 times for cluster A6.
- Start number 150 was manually annotated 45 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 150 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 150 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 148 was manually annotated 8 times for cluster A9.
- Start number 150 was manually annotated 26 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 94 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 96 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

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

Info for manual annotations of cluster AJ:

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

Info for manual annotations of cluster CA:

- Start number 168 was manually annotated 3 times for cluster CA.
- Start number 181 was manually annotated 32 times for cluster CA.
- Start number 417 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CD:

- Start number 163 was manually annotated 5 times for cluster CD.
- Start number 166 was manually annotated 1 time for cluster CD.
- Start number 175 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 160 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 160 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 162 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 162 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 162 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 162 was manually annotated 6 times for cluster CR4.
- Start number 174 was manually annotated 1 time for cluster CR4.
- Start number 190 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 162 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 168 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 168 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 140 was manually annotated 9 times for cluster CT.
- Start number 150 was manually annotated 49 times for cluster CT.
- Start number 160 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CU1:

- Start number 267 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 267 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 267 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 267 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 177 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 119 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 104 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 119 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 119 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 119 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 119 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 119 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 162 was manually annotated 2 times for cluster CZ.
- Start number 165 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 162 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 165 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 162 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 162 was manually annotated 22 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 165 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 165 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 162 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 165 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 177 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 146 was manually annotated 6 times for cluster DB.
- Start number 148 was manually annotated 4 times for cluster DB.
- Start number 157 was manually annotated 7 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 105 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 105 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 155 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 105 was manually annotated 52 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 172 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 175 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 172 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 169 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 119 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 174 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 175 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 159 was manually annotated 1 time for cluster DL.
- Start number 163 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 119 was manually annotated 5 times for cluster DN.
- Start number 150 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 150 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 150 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 150 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 119 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 142 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DS:

- Start number 125 was manually annotated 1 time for cluster DS.
- Start number 160 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 186 was manually annotated 2 times for cluster DT.
- Start number 193 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DW:

- Start number 167 was manually annotated 1 time for cluster DW.
- Start number 174 was manually annotated 2 times for cluster DW.
- Start number 185 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster DY:

- Start number 163 was manually annotated 6 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 161 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster E:

- Start number 144 was manually annotated 79 times for cluster E.
- Start number 205 was manually annotated 47 times for cluster E.
- Start number 244 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 165 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 152 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:

- Start number 128 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:

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

Info for manual annotations of cluster F1:

- Start number 139 was manually annotated 216 times for cluster F1.
- Start number 141 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 155 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 139 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 127 was manually annotated 1 time for cluster F4.
- Start number 147 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster G1:

- Start number 112 was manually annotated 20 times for cluster G1.
- Start number 138 was manually annotated 42 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 138 was manually annotated 2 times for cluster G2.
- Start number 141 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 138 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 138 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster I1:

- Start number 148 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 138 was manually annotated 29 times for cluster J.
- Start number 205 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 112 was manually annotated 2 times for cluster K1.
- Start number 115 was manually annotated 2 times for cluster K1.

- Start number 118 was manually annotated 104 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 115 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 112 was manually annotated 1 time for cluster K4.
- Start number 115 was manually annotated 4 times for cluster K4.
- Start number 118 was manually annotated 15 times for cluster K4.
- Start number 141 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 121 was manually annotated 16 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 89 was manually annotated 1 time for cluster K6.
- Start number 96 was manually annotated 1 time for cluster K6.
- Start number 112 was manually annotated 3 times for cluster K6.
- Start number 115 was manually annotated 1 time for cluster K6.
- Start number 118 was manually annotated 18 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 161 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster N:

- Start number 144 was manually annotated 46 times for cluster N.

Info for manual annotations of cluster O:

- Start number 115 was manually annotated 2 times for cluster O.
- Start number 121 was manually annotated 28 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 116 was manually annotated 2 times for cluster P1.
- Start number 134 was manually annotated 41 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 134 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 134 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 134 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 134 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 134 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 117 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster X:

- Start number 106 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 85 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

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

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 150

Candidate Starts for 20ES_28:

(Start: 130 @20202 has 8 MA's), (Start: 150 @20226 has 625 MA's), (226, 20325), (283, 20460), (284, 20463), (319, 20535), (320, 20538), (353, 20592), (355, 20598), (367, 20631), (401, 20709), (445, 20796), (487, 20877), (491, 20880), (614, 21153), (664, 21258), (668, 21273), (708, 21399), (714, 21405), (743, 21453), (764, 21516), (769, 21531), (771, 21537), (790, 21591), (801, 21630), (805, 21645), (837, 21729),

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 144

Candidate Starts for 244_26:

(Start: 144 @20026 has 125 MA's), (Start: 205 @20110 has 48 MA's), (Start: 244 @20188 has 1 MA's), (279, 20275), (284, 20290), (300, 20338), (317, 20377), (359, 20464), (372, 20497), (388, 20533), (400, 20563), (402, 20569), (437, 20638), (495, 20668), (498, 20680), (499, 20683), (520, 20740), (589, 20872), (591, 20878), (614, 20944), (616, 20950), (625, 20974), (648, 21022), (662, 21046), (664, 21055), (688, 21130), (752, 21181), (758, 21196), (809, 21358), (817, 21385), (826, 21415), (868, 21520), (897, 21598), (904, 21634), (907, 21643), (916, 21676), (923, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 117

Candidate Starts for 32HC_26:

(Start: 117 @18979 has 24 MA's), (194, 19051), (230, 19114), (258, 19171), (323, 19351), (356, 19414), (378, 19465), (387, 19486), (405, 19531), (467, 19648), (468, 19651), (504, 19735), (505, 19738), (510, 19753), (516, 19771), (568, 19831), (683, 20098), (702, 20161), (722, 20209), (824, 20434), (831, 20452), (876, 20536), (897, 20605), (917, 20689), (919, 20692), (929, 20710),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 150

Candidate Starts for 40AC_31:

(Start: 130 @22395 has 8 MA's), (Start: 150 @22419 has 625 MA's), (226, 22518), (Start: 244 @22554 has 1 MA's), (283, 22653), (284, 22656), (319, 22728), (320, 22731), (353, 22785), (375, 22842), (401, 22902), (407, 22920), (445, 22989), (483, 23064), (487, 23070), (491, 23073), (581, 23262), (614, 23346), (615, 23349), (631, 23385), (664, 23451), (668, 23466), (707, 23589), (714, 23598), (719,

23613), (743, 23646), (753, 23676), (764, 23709), (769, 23724), (775, 23739), (790, 23784), (801, 23823), (805, 23838), (837, 23922), (864, 23988), (877, 24027), (879, 24033), (894, 24087), (905, 24129),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 94

Candidate Starts for 8UZL_21:

(81, 15969), (Start: 94 @16005 has 4 MA's), (145, 16083), (192, 16143), (230, 16209), (254, 16260), (261, 16275), (263, 16278), (395, 16584), (413, 16641), (433, 16689), (435, 16692), (458, 16755), (467, 16776), (476, 16794), (496, 16839), (499, 16848), (504, 16863), (513, 16887), (593, 16998), (606, 17037), (612, 17058), (626, 17094), (627, 17097), (651, 17139), (660, 17154), (662, 17160), (794, 17469), (796, 17478), (798, 17484), (801, 17496), (810, 17526), (817, 17544), (819, 17550), (876, 17670), (891, 17727), (915, 17814), (917, 17823),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 152

Candidate Starts for A6_25:

(Start: 152 @20661 has 219 MA's), (Start: 173 @20682 has 4 MA's), (Start: 199 @20724 has 1 MA's), (223, 20769), (320, 20985), (347, 21030), (353, 21039), (367, 21078), (391, 21129), (393, 21132), (491, 21327), (514, 21396), (609, 21585), (613, 21597), (614, 21600), (622, 21621), (667, 21717), (668, 21720), (670, 21726), (696, 21795), (699, 21813), (701, 21822), (714, 21852), (753, 21948), (764, 21981), (769, 21996), (815, 22137), (837, 22194), (879, 22305),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 144

Candidate Starts for ABCat_23:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 150

Candidate Starts for ACFishhook_29:

(Start: 150 @20541 has 625 MA's), (Start: 199 @20598 has 1 MA's), (208, 20613), (237, 20667), (Start: 244 @20682 has 1 MA's), (279, 20769), (283, 20781), (284, 20784), (320, 20859), (330, 20874), (445, 21117), (514, 21270), (562, 21357), (613, 21471), (622, 21495), (627, 21507), (631, 21513), (668, 21594), (696, 21669), (699, 21687), (701, 21696), (708, 21720), (714, 21726), (727, 21765), (752, 21819), (753, 21822), (761, 21843), (837, 22068), (877, 22173), (879, 22179), (916, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 152

Candidate Starts for AFIS_27:

(Start: 152 @21204 has 219 MA's), (Start: 173 @21225 has 4 MA's), (Start: 199 @21267 has 1 MA's), (223, 21312), (320, 21528), (347, 21573), (353, 21582), (367, 21621), (391, 21672), (393, 21675), (491, 21870), (514, 21939), (613, 22140), (614, 22143), (622, 22164), (667, 22260), (668, 22263), (670, 22269), (696, 22338), (699, 22356), (701, 22365), (714, 22395), (753, 22491), (764, 22524), (769, 22539), (815, 22680), (837, 22737), (879, 22848), (925, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 150

Candidate Starts for AN3_28:

(102, 20138), (Start: 130 @20180 has 8 MA's), (Start: 150 @20204 has 625 MA's), (283, 20438), (284, 20441), (319, 20513), (320, 20516), (330, 20531), (353, 20570), (355, 20576), (401, 20687), (407, 20705), (411, 20720), (445, 20774), (487, 20855), (491, 20858), (562, 21014), (580, 21044), (616, 21137), (668, 21251), (708, 21377), (764, 21512), (769, 21527), (778, 21551), (801, 21626), (802, 21629), (805, 21641), (837, 21725), (868, 21803), (877, 21830), (879, 21836), (890, 21881), (894,

21890), (916, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 150

Candidate Starts for AN9_31:

(102, 20126), (Start: 130 @20168 has 8 MA's), (Start: 150 @20192 has 625 MA's), (283, 20426), (284, 20429), (319, 20501), (320, 20504), (330, 20519), (353, 20558), (355, 20564), (401, 20675), (407, 20693), (411, 20708), (445, 20762), (487, 20843), (491, 20846), (562, 21002), (580, 21032), (616, 21125), (668, 21239), (708, 21365), (764, 21500), (769, 21515), (778, 21539), (801, 21614), (802, 21617), (805, 21629), (837, 21713), (868, 21791), (877, 21818), (879, 21824), (890, 21869), (894, 21878), (916, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 150

Candidate Starts for ANI8_31:

(102, 20126), (Start: 130 @20168 has 8 MA's), (Start: 150 @20192 has 625 MA's), (283, 20426), (284, 20429), (319, 20501), (320, 20504), (330, 20519), (353, 20558), (355, 20564), (401, 20675), (407, 20693), (411, 20708), (445, 20762), (487, 20843), (491, 20846), (562, 21002), (580, 21032), (616, 21125), (668, 21239), (708, 21365), (764, 21500), (769, 21515), (778, 21539), (801, 21614), (802, 21617), (805, 21629), (837, 21713), (868, 21791), (877, 21818), (879, 21824), (890, 21869), (894, 21878), (916, 21959),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 172

Candidate Starts for APunk_36:

(Start: 125 @30154 has 1 MA's), (Start: 172 @30211 has 18 MA's), (189, 30232), (197, 30244), (226, 30295), (245, 30334), (259, 30358), (283, 30430), (325, 30517), (355, 30568), (365, 30598), (401, 30679), (410, 30706), (468, 30805), (485, 30835), (489, 30844), (500, 30877), (501, 30880), (525, 30940), (581, 30988), (585, 30997), (627, 31096), (650, 31135), (660, 31147), (701, 31291), (708, 31315), (721, 31342), (765, 31402), (766, 31405), (777, 31432), (792, 31447), (808, 31504), (812, 31516), (830, 31564), (834, 31573), (837, 31579), (850, 31600), (864, 31633), (880, 31678), (897, 31729), (916, 31807), (919, 31816),

Gene: Abblin_35 Start: 30775, Stop: 32376, Start Num: 189

Candidate Starts for Abblin_35:

(Start: 172 @30754 has 18 MA's), (189, 30775), (197, 30787), (226, 30838), (259, 30901), (283, 30973), (325, 31060), (355, 31111), (365, 31141), (401, 31222), (410, 31249), (468, 31348), (485, 31378), (489, 31387), (500, 31420), (501, 31423), (502, 31426), (505, 31435), (525, 31483), (581, 31531), (585, 31540), (627, 31639), (650, 31678), (660, 31690), (696, 31807), (704, 31846), (721, 31885), (764, 31942), (785, 31981), (792, 31990), (808, 32047), (812, 32059), (834, 32116), (837, 32122), (850, 32143), (864, 32176), (880, 32221), (916, 32350), (919, 32359),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 150

Candidate Starts for AbbyPaige_30:

(Start: 130 @20673 has 8 MA's), (Start: 150 @20697 has 625 MA's), (226, 20796), (266, 20880), (283, 20931), (284, 20934), (319, 21006), (320, 21009), (353, 21063), (367, 21102), (401, 21180), (445, 21267), (487, 21348), (491, 21351), (580, 21537), (614, 21624), (664, 21729), (668, 21744), (708, 21870), (714, 21876), (743, 21924), (769, 22002), (771, 22008), (790, 22062), (801, 22101), (805, 22116), (837, 22200), (879, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 150

Candidate Starts for AbbysRanger_27:

(Start: 130 @19816 has 8 MA's), (Start: 150 @19840 has 625 MA's), (Start: 199 @19900 has 1 MA's), (237, 19969), (273, 20047), (279, 20071), (283, 20083), (284, 20086), (300, 20122), (320, 20161), (330, 20176), (353, 20215), (393, 20308), (401, 20332), (445, 20419), (500, 20533), (514, 20572), (562, 20659), (587, 20704), (613, 20773), (622, 20797), (627, 20809), (668, 20896), (696, 20971),

(699, 20989), (701, 20998), (708, 21022), (714, 21028), (719, 21043), (734, 21076), (752, 21121), (753, 21124), (761, 21145), (837, 21370), (868, 21448), (877, 21475), (879, 21481), (916, 21616),

Gene: Abbysshoes_28 Start: 21319, Stop: 23121, Start Num: 152

Candidate Starts for Abbysshoes_28:

(Start: 152 @21319 has 219 MA's), (Start: 173 @21340 has 4 MA's), (Start: 199 @21382 has 1 MA's), (223, 21427), (320, 21643), (347, 21688), (353, 21697), (367, 21736), (391, 21787), (393, 21790), (491, 21985), (514, 22054), (613, 22255), (614, 22258), (622, 22279), (667, 22375), (668, 22378), (670, 22384), (696, 22453), (699, 22471), (701, 22480), (714, 22510), (753, 22606), (764, 22639), (769, 22654), (815, 22795), (837, 22852), (879, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Abdiel_26:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 152

Candidate Starts for Abrogate_280:

(Start: 152 @21879 has 219 MA's), (Start: 173 @21900 has 4 MA's), (Start: 199 @21942 has 1 MA's), (223, 21987), (320, 22203), (347, 22248), (353, 22257), (367, 22296), (391, 22347), (393, 22350), (491, 22545), (514, 22614), (613, 22815), (614, 22818), (622, 22839), (667, 22935), (668, 22938), (670, 22944), (696, 23013), (699, 23031), (701, 23040), (714, 23070), (753, 23166), (764, 23199), (769, 23214), (815, 23355), (837, 23412), (879, 23523),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 160

Candidate Starts for Abscondus_47:

(Start: 160 @29340 has 22 MA's), (202, 29400), (216, 29433), (Start: 233 @29463 has 2 MA's), (234, 29466), (292, 29625), (294, 29634), (354, 29763), (370, 29811), (520, 30024), (523, 30030), (534, 30054), (601, 30183), (606, 30204), (616, 30237), (688, 30435), (789, 30588), (817, 30687), (821, 30699), (824, 30708), (860, 30792), (905, 30939), (915, 30975),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 150

Candidate Starts for Achebe_26:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 155 @19829 has 12 MA's), (Start: 199 @19883 has 1 MA's), (237, 19952), (273, 20030), (279, 20054), (284, 20069), (300, 20105), (320, 20144), (330, 20159), (353, 20198), (393, 20291), (401, 20315), (445, 20402), (500, 20516), (514, 20555), (562, 20642), (587, 20687), (613, 20756), (622, 20780), (627, 20792), (668, 20879), (696, 20954), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (719, 21026), (734, 21059), (752, 21104), (753, 21107), (761, 21128), (837, 21353), (868, 21431), (877, 21458), (879, 21464), (916, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 152

Candidate Starts for Acme_29:

(Start: 152 @21420 has 219 MA's), (Start: 173 @21441 has 4 MA's), (Start: 199 @21483 has 1 MA's), (223, 21528), (320, 21744), (347, 21789), (353, 21798), (367, 21837), (391, 21888), (393, 21891), (491, 22086), (514, 22155), (613, 22356), (614, 22359), (622, 22380), (667, 22476), (668, 22479), (670, 22485), (696, 22554), (699, 22572), (701, 22581), (714, 22611), (753, 22707), (764, 22740), (769, 22755), (815, 22896), (837, 22953), (879, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 150

Candidate Starts for Acolyte_28:

(102, 20675), (Start: 130 @20717 has 8 MA's), (Start: 150 @20741 has 625 MA's), (226, 20840), (Start: 244 @20876 has 1 MA's), (253, 20894), (273, 20939), (279, 20963), (283, 20975), (284, 20978), (319, 21050), (320, 21053), (353, 21107), (355, 21113), (401, 21224), (407, 21242), (445, 21311), (478, 21371), (491, 21395), (509, 21455), (514, 21464), (562, 21551), (580, 21581), (627, 21701), (631, 21707), (668, 21788), (708, 21914), (727, 21959), (753, 22016), (764, 22049), (769, 22064), (778, 22088), (790, 22124), (801, 22163), (805, 22178), (837, 22262), (877, 22367), (879, 22373), (894, 22427), (916, 22508),

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

Candidate Starts for ActinUp_23:

(Start: 118 @17157 has 149 MA's), (Start: 144 @17187 has 125 MA's), (245, 17346), (261, 17379), (274, 17409), (283, 17442), (287, 17454), (325, 17544), (351, 17586), (381, 17658), (385, 17667), (401, 17706), (415, 17751), (424, 17772), (426, 17775), (459, 17829), (467, 17847), (487, 17889), (492, 17895), (500, 17922), (589, 18060), (598, 18078), (609, 18120), (615, 18138), (628, 18168), (643, 18195), (685, 18300), (753, 18459), (765, 18495), (777, 18525), (786, 18534), (815, 18609), (834, 18660), (880, 18759), (907, 18855), (917, 18894), (919, 18897), (929, 18915),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 152

Candidate Starts for Adahisdi_28:

(Start: 152 @21327 has 219 MA's), (Start: 173 @21348 has 4 MA's), (Start: 199 @21390 has 1 MA's), (223, 21435), (320, 21651), (347, 21696), (353, 21705), (367, 21744), (391, 21795), (393, 21798), (491, 21993), (514, 22062), (613, 22263), (614, 22266), (622, 22287), (667, 22383), (668, 22386), (670, 22392), (696, 22461), (699, 22479), (701, 22488), (714, 22518), (753, 22614), (764, 22647), (769, 22662), (815, 22803), (837, 22860), (879, 22971),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 128

Candidate Starts for Adelaide_17:

(Start: 128 @16318 has 8 MA's), (143, 16339), (206, 16423), (220, 16450), (223, 16456), (281, 16588), (305, 16639), (320, 16672), (335, 16696), (391, 16816), (403, 16849), (409, 16867), (439, 16921), (467, 16966), (495, 17023), (498, 17035), (512, 17074), (568, 17134), (582, 17155), (587, 17164), (609, 17221), (650, 17311), (692, 17419), (706, 17473), (708, 17479), (718, 17497), (772, 17593), (787, 17614), (805, 17659), (866, 17818), (872, 17833), (878, 17848), (880, 17860), (923, 18004),

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

Candidate Starts for Adephagia_23:

(Start: 118 @17154 has 149 MA's), (Start: 144 @17184 has 125 MA's), (245, 17343), (261, 17376), (274, 17406), (283, 17439), (287, 17451), (325, 17541), (351, 17583), (381, 17655), (385, 17664), (401, 17703), (415, 17748), (424, 17769), (426, 17772), (459, 17826), (467, 17844), (487, 17886), (492, 17892), (500, 17919), (589, 18057), (598, 18075), (609, 18117), (615, 18135), (628, 18165), (643, 18192), (685, 18297), (753, 18456), (765, 18492), (777, 18522), (786, 18531), (815, 18606), (834, 18657), (880, 18756), (907, 18852), (917, 18891), (919, 18894), (929, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 144

Candidate Starts for Adnama_27:

(Start: 144 @20253 has 125 MA's), (Start: 205 @20337 has 48 MA's), (Start: 244 @20415 has 1 MA's), (279, 20502), (284, 20517), (300, 20565), (317, 20604), (359, 20691), (372, 20724), (388, 20760), (400, 20790), (402, 20796), (437, 20865), (495, 20895), (498, 20907), (499, 20910), (520, 20967), (589, 21099), (591, 21105), (614, 21171), (616, 21177), (625, 21201), (648, 21249), (662, 21273), (664, 21282), (688, 21357), (752, 21408), (758, 21423), (809, 21585), (817, 21612), (826, 21642), (868, 21747), (897, 21825), (904, 21861), (907, 21870), (916, 21903), (923, 21918),

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

Candidate Starts for Adonis_23:

(Start: 118 @17160 has 149 MA's), (Start: 144 @17190 has 125 MA's), (245, 17349), (261, 17382), (274, 17412), (283, 17445), (287, 17457), (325, 17547), (351, 17589), (381, 17661), (385, 17670), (401, 17709), (415, 17754), (424, 17775), (426, 17778), (459, 17832), (467, 17850), (487, 17892), (492, 17898), (500, 17925), (589, 18063), (598, 18081), (609, 18123), (615, 18141), (628, 18171), (643, 18198), (685, 18303), (753, 18462), (765, 18498), (786, 18537), (815, 18612), (834, 18663), (907, 18858), (917, 18897), (919, 18900), (929, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 162

Candidate Starts for Adora_20:

(87, 17738), (Start: 162 @17855 has 92 MA's), (312, 18113), (323, 18134), (355, 18188), (368, 18227), (396, 18284), (403, 18305), (526, 18476), (534, 18494), (552, 18518), (575, 18539), (603, 18581), (631, 18662), (667, 18752), (685, 18803), (700, 18854), (701, 18857), (722, 18911), (770, 19001), (880, 19280), (882, 19289), (891, 19319),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 150

Candidate Starts for Adzzy_29:

(102, 18853), (Start: 130 @18895 has 8 MA's), (Start: 150 @18919 has 625 MA's), (195, 18964), (204, 18979), (253, 19072), (283, 19153), (284, 19156), (319, 19228), (320, 19231), (330, 19246), (353, 19285), (355, 19291), (401, 19402), (403, 19408), (411, 19435), (445, 19489), (487, 19570), (562, 19729), (580, 19759), (616, 19852), (631, 19885), (660, 19936), (668, 19966), (708, 20092), (747, 20173), (751, 20182), (764, 20227), (769, 20242), (778, 20266), (801, 20341), (802, 20344), (805, 20356), (837, 20440), (877, 20545), (894, 20605), (916, 20686),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 152

Candidate Starts for Aeneas_29:

(Start: 152 @21456 has 219 MA's), (Start: 173 @21477 has 4 MA's), (Start: 199 @21519 has 1 MA's), (223, 21564), (320, 21780), (347, 21825), (353, 21834), (367, 21873), (391, 21924), (393, 21927), (491, 22122), (514, 22191), (613, 22392), (614, 22395), (622, 22416), (667, 22512), (668, 22515), (670, 22521), (696, 22590), (699, 22608), (701, 22617), (714, 22647), (753, 22743), (764, 22776), (769, 22791), (815, 22932), (837, 22989), (879, 23100),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 105

Candidate Starts for Affeca_33:

(97, 30634), (Start: 105 @30652 has 84 MA's), (Start: 129 @30688 has 1 MA's), (226, 30826), (272, 30922), (275, 30931), (296, 31000), (320, 31051), (347, 31096), (355, 31111), (391, 31192), (407, 31237), (410, 31246), (466, 31336), (480, 31366), (487, 31381), (495, 31405), (504, 31435), (585, 31540), (631, 31657), (641, 31675), (647, 31690), (664, 31720), (667, 31732), (668, 31735), (676, 31762), (815, 32086), (816, 32089), (834, 32137), (852, 32164), (860, 32191), (877, 32245), (883, 32272), (925, 32410),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 173

Candidate Starts for Agaliana_28:

(Start: 152 @21400 has 219 MA's), (Start: 173 @21421 has 4 MA's), (Start: 199 @21463 has 1 MA's), (223, 21508), (320, 21724), (347, 21769), (353, 21778), (391, 21868), (393, 21871), (401, 21895), (491, 22066), (514, 22135), (613, 22336), (614, 22339), (622, 22360), (667, 22456), (668, 22459), (670, 22465), (696, 22534), (699, 22552), (701, 22561), (714, 22591), (753, 22687), (764, 22720), (769, 22735), (815, 22876), (837, 22933), (879, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 150

Candidate Starts for Agape74_30:

(Start: 130 @20649 has 8 MA's), (Start: 150 @20673 has 625 MA's), (226, 20772), (266, 20856), (283, 20907), (284, 20910), (319, 20982), (320, 20985), (353, 21039), (367, 21078), (401, 21156), (445, 21243), (487, 21324), (491, 21327), (614, 21600), (664, 21705), (668, 21720), (708, 21846), (714, 21852), (743, 21900), (769, 21978), (771, 21984), (790, 22038), (801, 22077), (805, 22092), (837, 22176), (879, 22287),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 150

Candidate Starts for Agatha_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

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

Candidate Starts for Agent47_21:

(Start: 121 @17591 has 44 MA's), (Start: 127 @17597 has 1 MA's), (Start: 147 @17621 has 1 MA's), (Start: 181 @17654 has 32 MA's), (208, 17702), (237, 17756), (261, 17807), (283, 17870), (330, 17978), (381, 18086), (424, 18200), (426, 18203), (449, 18242), (459, 18257), (465, 18269), (467, 18275), (483, 18311), (487, 18317), (492, 18323), (504, 18362), (513, 18386), (589, 18488), (610, 18551), (685, 18731), (719, 18830), (757, 18908), (764, 18932), (766, 18938), (785, 18971), (815, 19049), (817, 19055), (882, 19208), (912, 19313), (913, 19316), (917, 19334),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 150

Candidate Starts for AgentM_24:

(Start: 150 @19734 has 625 MA's), (230, 19839), (245, 19872), (284, 19971), (320, 20046), (330, 20061), (351, 20097), (381, 20169), (387, 20184), (401, 20217), (403, 20223), (509, 20448), (513, 20454), (562, 20544), (610, 20649), (613, 20658), (631, 20700), (640, 20718), (667, 20778), (668, 20781), (696, 20856), (699, 20874), (752, 21015), (764, 21051), (837, 21264), (876, 21366), (879, 21375), (910, 21489), (916, 21510), (919, 21519),

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

Candidate Starts for Ageofdapage_23:

(Start: 118 @17088 has 149 MA's), (Start: 144 @17118 has 125 MA's), (245, 17277), (261, 17310), (274, 17340), (283, 17373), (287, 17385), (325, 17475), (347, 17511), (351, 17517), (381, 17589), (385, 17598), (401, 17637), (415, 17682), (424, 17703), (426, 17706), (467, 17778), (483, 17814), (487, 17820), (492, 17826), (500, 17853), (513, 17889), (589, 17991), (598, 18009), (615, 18069), (628, 18099), (643, 18126), (685, 18231), (716, 18321), (753, 18390), (765, 18426), (777, 18456), (786, 18465), (815, 18540), (834, 18591), (880, 18690), (897, 18741), (907, 18786), (917, 18825), (919, 18828), (929, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 144

Candidate Starts for Aggie_18:

(Start: 144 @14990 has 125 MA's), (Start: 169 @15017 has 1 MA's), (Start: 233 @15122 has 2 MA's), (236, 15134), (252, 15170), (274, 15221), (282, 15251), (284, 15257), (293, 15284), (295, 15290), (353, 15410), (371, 15464), (375, 15470), (382, 15488), (388, 15500), (390, 15503), (398, 15524), (411, 15566), (425, 15599), (493, 15650), (497, 15665), (512, 15707), (516, 15722), (520, 15728), (543, 15776), (556, 15800), (564, 15830), (587, 15854), (609, 15914), (613, 15926), (634, 15980), (645, 15989), (669, 16049), (670, 16052), (751, 16157), (752, 16166), (765, 16205), (808, 16343), (863, 16493), (864, 16496), (867, 16505), (878, 16526), (883, 16553), (897, 16589), (923, 16682),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for Aglet_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 150

Candidate Starts for AgronaGT15_29:

(Start: 150 @20287 has 625 MA's), (Start: 199 @20344 has 1 MA's), (208, 20359), (226, 20392), (237, 20413), (Start: 244 @20428 has 1 MA's), (279, 20515), (283, 20527), (284, 20530), (320, 20605), (330, 20620), (351, 20656), (445, 20863), (500, 20977), (514, 21016), (562, 21103), (613, 21217), (622, 21241), (631, 21259), (668, 21340), (696, 21415), (699, 21433), (708, 21466), (714, 21472), (727, 21511), (752, 21565), (753, 21568), (761, 21589), (780, 21646), (837, 21814), (877, 21919), (879, 21925), (916, 22060),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 162

Candidate Starts for Agueybana_19:

(Start: 162 @17777 has 92 MA's), (309, 18026), (312, 18035), (320, 18053), (323, 18056), (355, 18110), (386, 18185), (411, 18254), (414, 18263), (419, 18275), (446, 18326), (462, 18353), (467, 18362), (468, 18365), (526, 18398), (568, 18455), (603, 18521), (646, 18632), (659, 18656), (667, 18692), (700, 18794), (722, 18851), (770, 18941), (821, 19058), (868, 19181), (891, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 150

Candidate Starts for AikoCarson_17:

(Start: 140 @15034 has 9 MA's), (Start: 150 @15037 has 625 MA's), (222, 15136), (230, 15148), (274, 15244), (300, 15328), (351, 15418), (375, 15478), (409, 15562), (430, 15607), (458, 15640), (462, 15652), (474, 15676), (500, 15745), (504, 15757), (606, 15922), (633, 15994), (668, 16072), (673, 16087), (678, 16105), (699, 16162), (769, 16303), (771, 16309), (777, 16321), (786, 16330), (814, 16402), (815, 16405), (817, 16411), (821, 16423), (864, 16528), (867, 16537), (879, 16570), (923, 16723),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 105

Candidate Starts for Ailee_33:

(97, 31124), (Start: 105 @31142 has 84 MA's), (Start: 129 @31178 has 1 MA's), (226, 31316), (272, 31412), (275, 31421), (296, 31490), (320, 31541), (347, 31586), (355, 31601), (391, 31682), (407, 31727), (410, 31736), (466, 31826), (480, 31856), (487, 31871), (495, 31895), (504, 31925), (585, 32030), (631, 32147), (641, 32165), (647, 32180), (664, 32210), (667, 32222), (668, 32225), (676, 32252), (815, 32576), (816, 32579), (834, 32627), (852, 32654), (860, 32681), (877, 32735), (883, 32762), (919, 32891),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 150

Candidate Starts for Airmid_24:

(Start: 150 @18975 has 625 MA's), (284, 19212), (320, 19287), (330, 19302), (351, 19338), (381, 19410), (387, 19425), (401, 19458), (402, 19461), (403, 19464), (500, 19659), (509, 19689), (513, 19695), (562, 19785), (587, 19830), (613, 19899), (631, 19941), (640, 19959), (667, 20019), (668, 20022), (699, 20115), (752, 20256), (764, 20292), (876, 20607), (879, 20616), (916, 20751),

Gene: AizenPogi_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for AizenPogi_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344,

17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 152

Candidate Starts for Ajay_28:

(Start: 152 @21632 has 219 MA's), (Start: 173 @21653 has 4 MA's), (Start: 199 @21695 has 1 MA's), (223, 21740), (320, 21956), (347, 22001), (353, 22010), (391, 22100), (393, 22103), (491, 22298), (514, 22367), (609, 22556), (613, 22568), (614, 22571), (622, 22592), (667, 22688), (668, 22691), (670, 22697), (696, 22766), (699, 22784), (701, 22793), (714, 22823), (753, 22919), (764, 22952), (769, 22967), (815, 23108), (837, 23165), (879, 23276),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 139

Candidate Starts for Akhila_17:

(Start: 139 @15476 has 218 MA's), (207, 15563), (Start: 233 @15608 has 2 MA's), (242, 15632), (282, 15737), (284, 15743), (289, 15761), (300, 15791), (353, 15896), (375, 15956), (384, 15977), (388, 15986), (398, 16010), (493, 16136), (497, 16151), (499, 16157), (512, 16193), (513, 16196), (516, 16208), (520, 16214), (543, 16262), (550, 16274), (554, 16280), (587, 16340), (592, 16352), (606, 16388), (609, 16400), (645, 16475), (648, 16484), (660, 16502), (662, 16508), (670, 16538), (751, 16643), (752, 16652), (753, 16655), (761, 16676), (765, 16691), (789, 16757), (792, 16769), (820, 16868), (826, 16889), (843, 16922), (858, 16952), (864, 16982), (867, 16991), (869, 16997), (878, 17012), (879, 17015), (883, 17039), (894, 17069), (899, 17081), (904, 17111), (916, 17153),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Alatin_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Albee_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 150

Candidate Starts for Alberto7_28:

(Start: 130 @20105 has 8 MA's), (Start: 150 @20129 has 625 MA's), (Start: 199 @20186 has 1 MA's), (230, 20240), (237, 20255), (245, 20273), (279, 20357), (283, 20369), (284, 20372), (320, 20447), (330, 20462), (353, 20501), (401, 20618), (445, 20705), (487, 20786), (505, 20834), (514, 20858), (562, 20945), (587, 20990), (614, 21062), (622, 21083), (631, 21101), (668, 21182), (699, 21275), (701, 21284), (708, 21308), (714, 21314), (722, 21338), (753, 21392), (761, 21413), (778, 21464), (787, 21488), (802, 21542), (837, 21638), (877, 21743), (880, 21758), (911, 21866), (916, 21884),

Gene: Aldrich_29 Start: 22423, Stop: 24225, Start Num: 152

Candidate Starts for Aldrich_29:

(Start: 152 @22423 has 219 MA's), (Start: 173 @22444 has 4 MA's), (Start: 199 @22486 has 1 MA's), (223, 22531), (320, 22747), (347, 22792), (353, 22801), (367, 22840), (391, 22891), (393, 22894), (491, 23089), (514, 23158), (613, 23359), (614, 23362), (622, 23383), (667, 23479), (668, 23482), (670, 23488), (696, 23557), (699, 23575), (701, 23584), (714, 23614), (753, 23710), (764, 23743), (769, 23758), (780, 23788), (815, 23899), (837, 23956), (879, 24067), (925, 24220),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 161

Candidate Starts for Aleemily_19:

(Start: 148 @16536 has 18 MA's), (Start: 161 @16551 has 5 MA's), (Start: 167 @16557 has 1 MA's), (188, 16587), (Start: 193 @16596 has 3 MA's), (305, 16830), (320, 16863), (348, 16911), (381, 16986), (400, 17031), (445, 17121), (458, 17136), (481, 17190), (487, 17199), (500, 17232), (512, 17265), (514, 17271), (650, 17505), (660, 17517), (667, 17544), (676, 17577), (692, 17616), (696, 17625), (719, 17697), (746, 17712), (753, 17736), (769, 17784), (809, 17871), (817, 17892), (845, 17958), (868, 18024), (882, 18072), (908, 18162),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 139

Candidate Starts for Alexphander_18:

(Start: 139 @15332 has 218 MA's), (207, 15419), (Start: 233 @15464 has 2 MA's), (242, 15488), (266, 15545), (282, 15593), (284, 15599), (289, 15617), (300, 15647), (353, 15752), (371, 15806), (375, 15812), (379, 15821), (388, 15842), (398, 15866), (410, 15902), (411, 15908), (425, 15941), (427, 15944), (441, 15953), (467, 15968), (474, 15974), (493, 15992), (497, 16007), (499, 16013), (505, 16031), (506, 16034), (512, 16049), (516, 16064), (520, 16070), (543, 16118), (550, 16130), (554, 16136), (587, 16196), (592, 16208), (606, 16244), (609, 16256), (645, 16331), (648, 16340), (660, 16358), (662, 16364), (670, 16394), (751, 16499), (753, 16511), (765, 16547), (792, 16625), (820, 16724), (826, 16745), (843, 16778), (858, 16808), (864, 16838), (867, 16847), (869, 16853), (878, 16868), (879, 16871), (883, 16895), (894, 16925), (899, 16937), (904, 16967), (916, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 172

Candidate Starts for Ali17_31:

(Start: 172 @28415 has 18 MA's), (182, 28427), (200, 28460), (Start: 205 @28469 has 48 MA's), (211, 28481), (230, 28511), (279, 28628), (283, 28640), (321, 28715), (355, 28775), (365, 28805), (468, 29012), (485, 29042), (500, 29084), (501, 29087), (505, 29099), (525, 29147), (581, 29195), (613, 29267), (626, 29300), (627, 29303), (650, 29342), (667, 29381), (695, 29468), (696, 29471), (721, 29549), (792, 29654), (817, 29735), (840, 29789), (880, 29885), (916, 30014), (923, 30029),

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

Candidate Starts for AlishaPH_23:

(Start: 118 @17147 has 149 MA's), (Start: 144 @17177 has 125 MA's), (245, 17336), (261, 17369), (274, 17399), (283, 17432), (287, 17444), (325, 17534), (351, 17576), (381, 17648), (385, 17657), (401, 17696), (415, 17741), (424, 17762), (426, 17765), (459, 17819), (467, 17837), (487, 17879), (492, 17885), (500, 17912), (589, 18050), (598, 18068), (609, 18110), (615, 18128), (628, 18158), (643, 18185), (685, 18290), (753, 18449), (765, 18485), (777, 18515), (786, 18524), (815, 18599), (834, 18650), (907, 18845), (917, 18884), (919, 18887), (929, 18905),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 148

Candidate Starts for Aliter_30:

(Start: 148 @21674 has 18 MA's), (Start: 150 @21677 has 625 MA's), (283, 21911), (284, 21914), (319, 21986), (320, 21989), (330, 22004), (353, 22043), (355, 22049), (401, 22160), (445, 22247), (487, 22328), (491, 22331), (580, 22517), (608, 22580), (614, 22604), (616, 22610), (631, 22643), (668, 22724), (708, 22850), (726, 22892), (727, 22895), (753, 22952), (764, 22985), (769, 23000), (801, 23099), (802, 23102), (805, 23114), (837, 23198), (864, 23264), (877, 23303), (879, 23309), (890, 23354), (907, 23411), (908, 23414),

Gene: Alkhayr_56 Start: 33189, Stop: 34925, Start Num: 121

Candidate Starts for Alkhayr_56:

(Start: 115 @33180 has 20 MA's), (Start: 121 @33189 has 44 MA's), (191, 33279), (248, 33396), (266, 33432), (275, 33453), (282, 33480), (284, 33486), (294, 33516), (302, 33540), (327, 33591), (388, 33729), (392, 33735), (409, 33786), (410, 33789), (415, 33807), (493, 33858), (499, 33879), (500, 33882), (516, 33930), (520, 33936), (543, 33984), (544, 33990), (550, 33996), (573, 34056), (587, 34080), (589, 34083), (606, 34128), (610, 34143), (613, 34152), (616, 34161), (634, 34206), (648, 34224), (664, 34257), (753, 34395), (761, 34416), (782, 34482), (793, 34512), (807, 34566), (820, 34608), (826, 34629), (836, 34650), (843, 34662), (855, 34683), (869, 34737), (897, 34815), (904, 34851), (910, 34872), (917, 34899),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 148

Candidate Starts for Alma_30:

(Start: 148 @21753 has 18 MA's), (Start: 150 @21756 has 625 MA's), (283, 21990), (284, 21993), (319, 22065), (320, 22068), (330, 22083), (353, 22122), (355, 22128), (401, 22239), (445, 22326), (487, 22407), (491, 22410), (509, 22470), (580, 22596), (608, 22659), (614, 22683), (616, 22689), (631, 22722), (668, 22803), (708, 22929), (726, 22971), (727, 22974), (753, 23031), (764, 23064), (769, 23079), (801, 23178), (802, 23181), (805, 23193), (837, 23277), (864, 23343), (877, 23382), (879, 23388), (890, 23433), (907, 23490), (908, 23493),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for Aloeri_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (293, 14971), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (384, 15178), (388, 15187), (398, 15211), (410, 15247), (411, 15253), (415, 15265), (425, 15286), (427, 15289), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (597, 15562), (606, 15589), (609, 15601), (645, 15676), (648, 15685), (660, 15703), (662, 15709), (670, 15739), (751, 15844), (752, 15853), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (826, 16090), (843, 16123), (858, 16153), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (883, 16240), (899, 16282), (916, 16354), (917, 16360),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 181

Candidate Starts for Alpacados_22:

(Start: 168 @16270 has 10 MA's), (Start: 181 @16285 has 32 MA's), (220, 16354), (241, 16390), (320, 16576), (383, 16705), (401, 16747), (410, 16774), (Start: 417 @16798 has 1 MA's), (430, 16816), (458, 16846), (465, 16861), (491, 16912), (520, 16996), (608, 17113), (614, 17137), (667, 17251), (682, 17299), (696, 17329), (704, 17368), (708, 17380), (743, 17410), (769, 17488), (831, 17635), (844, 17659), (860, 17695), (871, 17734), (923, 17902),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for AlpineSix_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 152

Candidate Starts for Alsfro_31:

(Start: 152 @21865 has 219 MA's), (Start: 173 @21886 has 4 MA's), (Start: 199 @21928 has 1 MA's), (223, 21973), (320, 22189), (347, 22234), (353, 22243), (391, 22333), (393, 22336), (401, 22360), (430, 22429), (491, 22531), (514, 22600), (609, 22789), (613, 22801), (614, 22804), (622, 22825), (667, 22921), (668, 22924), (670, 22930), (696, 22999), (699, 23017), (701, 23026), (714, 23056), (753, 23152), (764, 23185), (769, 23200), (815, 23341), (837, 23398), (879, 23509), (925, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 152

Candidate Starts for Altman_29:

(Start: 152 @21923 has 219 MA's), (Start: 173 @21944 has 4 MA's), (Start: 199 @21986 has 1 MA's), (223, 22031), (320, 22247), (347, 22292), (353, 22301), (367, 22340), (391, 22391), (393, 22394), (430, 22487), (491, 22589), (514, 22658), (613, 22859), (614, 22862), (622, 22883), (667, 22979), (668, 22982), (670, 22988), (696, 23057), (699, 23075), (701, 23084), (714, 23114), (753, 23210), (764, 23243), (769, 23258), (815, 23399), (837, 23456), (879, 23567),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 162

Candidate Starts for AlumE_19:

(Start: 162 @17776 has 92 MA's), (312, 18034), (320, 18052), (323, 18055), (355, 18109), (386, 18184), (411, 18253), (414, 18262), (419, 18274), (424, 18286), (446, 18325), (462, 18352), (467, 18361), (468, 18364), (526, 18397), (568, 18454), (603, 18520), (646, 18631), (667, 18691), (700, 18793), (722, 18850), (770, 18940), (868, 19180), (891, 19258),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 152

Candidate Starts for Alvin_28:

(Start: 152 @21635 has 219 MA's), (Start: 173 @21656 has 4 MA's), (Start: 199 @21698 has 1 MA's), (223, 21743), (320, 21959), (347, 22004), (353, 22013), (391, 22103), (393, 22106), (430, 22199), (491, 22301), (514, 22370), (609, 22559), (613, 22571), (614, 22574), (622, 22595), (667, 22691), (668, 22694), (670, 22700), (696, 22769), (699, 22787), (701, 22796), (714, 22826), (753, 22922), (764, 22955), (769, 22970), (815, 23111), (837, 23168), (879, 23279),

Gene: Amao_24 Start: 19034, Stop: 20629, Start Num: 205

Candidate Starts for Amao_24:

(Start: 144 @18950 has 125 MA's), (Start: 205 @19034 has 48 MA's), (Start: 244 @19112 has 1 MA's), (279, 19199), (284, 19214), (300, 19262), (317, 19301), (359, 19388), (372, 19421), (388, 19457), (400, 19487), (402, 19493), (437, 19562), (495, 19592), (498, 19604), (499, 19607), (520, 19664), (589, 19796), (591, 19802), (614, 19868), (616, 19874), (625, 19898), (648, 19946), (662, 19970), (664, 19979), (688, 20054), (752, 20105), (758, 20120), (809, 20282), (817, 20309), (826, 20339), (868, 20444), (897, 20522), (904, 20558), (907, 20567), (916, 20600), (923, 20615),

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

Candidate Starts for Amelie_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 144

Candidate Starts for AmericanBeauty_26:

(Start: 144 @19733 has 125 MA's), (Start: 205 @19817 has 48 MA's), (Start: 244 @19895 has 1 MA's), (279, 19982), (284, 19997), (300, 20045), (317, 20084), (359, 20171), (372, 20204), (388, 20240), (400, 20270), (402, 20276), (437, 20345), (495, 20375), (498, 20387), (499, 20390), (520, 20447), (589, 20579), (591, 20585), (614, 20651), (616, 20657), (625, 20681), (648, 20729), (662, 20753), (664, 20762), (688, 20837), (752, 20888), (758, 20903), (809, 21065), (817, 21092), (826, 21122), (868, 21227), (897, 21305), (904, 21341), (907, 21350), (916, 21383), (923, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 96

Candidate Starts for Amgine_21:

(Start: 96 @17216 has 3 MA's), (Start: 112 @17246 has 26 MA's), (Start: 115 @17252 has 20 MA's), (Start: 118 @17255 has 149 MA's), (Start: 138 @17267 has 76 MA's), (Start: 144 @17273 has 125 MA's), (230, 17399), (237, 17414), (261, 17465), (274, 17495), (283, 17528), (325, 17630), (351, 17672), (381, 17744), (385, 17753), (446, 17897), (449, 17900), (459, 17915), (465, 17927), (467, 17933), (476, 17951), (487, 17975), (492, 17981), (500, 18008), (513, 18044), (598, 18164), (643, 18281), (662, 18314), (665, 18326), (668, 18338), (685, 18386), (764, 18578), (777, 18611), (786, 18620), (810, 18683), (815, 18695), (834, 18746), (837, 18752), (880, 18845), (897, 18896), (907, 18941), (917, 18980), (919, 18983), (929, 19001),

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

Candidate Starts for Aminay_21:

(13, 16757), (15, 16769), (28, 16964), (Start: 118 @17435 has 149 MA's), (230, 17579), (237, 17594), (261, 17645), (274, 17675), (287, 17720), (330, 17816), (375, 17912), (381, 17924), (416, 18020), (467, 18113), (476, 18131), (492, 18161), (504, 18200), (520, 18242), (589, 18326), (610, 18389), (623, 18422), (637, 18461), (685, 18590), (716, 18680), (719, 18689), (753, 18746), (764, 18779), (771, 18800), (777, 18812), (815, 18896), (834, 18947), (837, 18953), (882, 19055), (904, 19133), (910, 19154), (917, 19181), (929, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 117

Candidate Starts for Amochick_22:

(Start: 117 @17409 has 24 MA's), (123, 17418), (156, 17460), (198, 17511), (210, 17535), (217, 17547), (230, 17568), (237, 17583), (245, 17601), (262, 17634), (273, 17661), (294, 17733), (334, 17823), (373, 17907), (378, 17916), (387, 17937), (411, 18003), (423, 18030), (443, 18063), (459, 18081), (468, 18102), (476, 18117), (478, 18120), (504, 18186), (505, 18189), (535, 18255), (553, 18267), (568, 18276), (576, 18279), (610, 18366), (631, 18420), (659, 18465), (661, 18471), (683, 18543), (696, 18573), (701, 18600), (716, 18636), (719, 18645), (764, 18723), (824, 18867), (831, 18885), (837, 18897), (848, 18912), (849, 18915), (858, 18936), (864, 18948), (882, 18996), (893, 19029), (913, 19104), (917, 19122), (929, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 112

Candidate Starts for Amohnition_22:

(Start: 96 @17590 has 3 MA's), (Start: 112 @17620 has 26 MA's), (Start: 118 @17629 has 149 MA's), (Start: 144 @17659 has 125 MA's), (230, 17785), (237, 17800), (245, 17818), (261, 17851), (283, 17914), (287, 17926), (294, 17944), (325, 18016), (347, 18052), (351, 18058), (385, 18139), (419, 18232), (424, 18244), (426, 18247), (446, 18283), (467, 18319), (487, 18361), (492, 18367), (500, 18394), (598, 18550), (628, 18640), (643, 18667), (665, 18712), (685, 18772), (707, 18847), (719, 18871), (753, 18931), (765, 18967), (777, 18997), (815, 19081), (882, 19240), (917, 19366), (919, 19369), (929, 19387),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 150

Candidate Starts for Amok_17:

(Start: 140 @15031 has 9 MA's), (Start: 150 @15034 has 625 MA's), (222, 15133), (230, 15145), (310, 15340), (351, 15415), (401, 15535), (409, 15559), (430, 15604), (458, 15637), (462, 15649), (474, 15673), (500, 15742), (504, 15754), (606, 15919), (633, 15991), (668, 16069), (673, 16084), (678,

16102), (699, 16159), (769, 16300), (771, 16306), (777, 16318), (786, 16327), (814, 16399), (815, 16402), (817, 16408), (821, 16420), (864, 16525), (867, 16534), (879, 16567), (923, 16720),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Amymech_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

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

Candidate Starts for Anaya_24:

(Start: 118 @17173 has 149 MA's), (Start: 144 @17203 has 125 MA's), (245, 17362), (261, 17395), (274, 17425), (283, 17458), (287, 17470), (325, 17560), (351, 17602), (381, 17674), (385, 17683), (401, 17722), (415, 17767), (424, 17788), (426, 17791), (467, 17863), (487, 17905), (492, 17911), (500, 17938), (589, 18076), (598, 18094), (609, 18136), (615, 18154), (628, 18184), (685, 18316), (765, 18511), (777, 18541), (786, 18550), (815, 18625), (834, 18676), (837, 18682), (897, 18826), (907, 18871), (917, 18910), (919, 18913), (929, 18931),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 150

Candidate Starts for Anaysia_30:

(102, 19030), (Start: 130 @19072 has 8 MA's), (Start: 150 @19096 has 625 MA's), (245, 19234), (272, 19291), (284, 19333), (300, 19369), (320, 19408), (357, 19477), (367, 19501), (393, 19555), (467, 19705), (491, 19750), (500, 19780), (513, 19816), (536, 19867), (561, 19903), (587, 19951), (610, 20011), (667, 20140), (696, 20218), (769, 20419), (771, 20425), (802, 20521), (866, 20686), (897, 20785),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 140

Candidate Starts for AndPeggy_17:

(Start: 140 @15394 has 9 MA's), (Start: 150 @15397 has 625 MA's), (222, 15499), (230, 15511), (274, 15607), (300, 15691), (351, 15781), (375, 15841), (387, 15868), (400, 15898), (401, 15901), (430, 15970), (458, 16003), (462, 16015), (465, 16018), (474, 16039), (476, 16042), (500, 16108), (504, 16120), (606, 16285), (668, 16435), (673, 16450), (678, 16468), (699, 16525), (769, 16666), (771, 16672), (777, 16684), (786, 16693), (814, 16765), (815, 16768), (817, 16774), (821, 16786), (864, 16891), (867, 16900), (879, 16933),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Andies_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 150

Candidate Starts for Aneem_28:

(102, 20689), (Start: 130 @20731 has 8 MA's), (Start: 150 @20755 has 625 MA's), (Start: 193 @20797 has 3 MA's), (245, 20893), (253, 20908), (283, 20989), (284, 20992), (320, 21067), (330, 21082), (353, 21121), (355, 21127), (375, 21178), (401, 21238), (403, 21244), (445, 21325), (491, 21409), (541, 21535), (552, 21553), (568, 21580), (631, 21721), (664, 21787), (667, 21799), (668, 21802), (734, 21991), (747, 22018), (751, 22027), (757, 22048), (758, 22051), (764, 22072), (769, 22087), (778, 22111), (801, 22186), (805, 22201), (837, 22285), (877, 22390), (879, 22396), (894, 22450), (925, 22549),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Angel_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

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

Candidate Starts for Angelica_23:

(Start: 118 @17122 has 149 MA's), (Start: 144 @17152 has 125 MA's), (245, 17311), (261, 17344), (274, 17374), (283, 17407), (287, 17419), (325, 17509), (351, 17551), (381, 17623), (385, 17632), (401, 17671), (415, 17716), (424, 17737), (426, 17740), (459, 17794), (467, 17812), (487, 17854), (492, 17860), (500, 17887), (589, 18025), (598, 18043), (609, 18085), (615, 18103), (628, 18133), (643, 18160), (685, 18265), (753, 18424), (765, 18460), (777, 18490), (786, 18499), (815, 18574), (834, 18625), (907, 18820), (917, 18859), (919, 18862), (929, 18880),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 105

Candidate Starts for Angelicage_33:

(97, 31051), (Start: 105 @31069 has 84 MA's), (Start: 129 @31105 has 1 MA's), (226, 31243), (239, 31267), (272, 31339), (275, 31348), (320, 31468), (347, 31513), (355, 31528), (361, 31546), (391, 31609), (407, 31654), (410, 31663), (466, 31753), (480, 31783), (487, 31798), (490, 31807), (495, 31822), (504, 31852), (631, 32074), (641, 32092), (647, 32107), (664, 32137), (667, 32149), (668, 32152), (676, 32179), (815, 32503), (816, 32506), (834, 32554), (852, 32581), (860, 32608), (877, 32662), (882, 32686), (883, 32689), (908, 32779), (925, 32827),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 119

Candidate Starts for Angelique_20:

(Start: 104 @17686 has 1 MA's), (Start: 119 @17710 has 25 MA's), (Start: 162 @17752 has 92 MA's), (201, 17809), (224, 17851), (320, 18040), (387, 18187), (391, 18193), (466, 18337), (468, 18343), (483, 18376), (512, 18451), (667, 18733), (699, 18829), (759, 18952), (769, 18985), (771, 18991), (804, 19057), (815, 19087), (877, 19243), (879, 19249), (914, 19378),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 152

Candidate Starts for Anglerfish_28:

(Start: 152 @21836 has 219 MA's), (Start: 173 @21857 has 4 MA's), (Start: 199 @21899 has 1 MA's), (223, 21944), (320, 22160), (347, 22205), (353, 22214), (391, 22304), (393, 22307), (430, 22400), (491, 22502), (514, 22571), (613, 22772), (614, 22775), (622, 22796), (667, 22892), (668, 22895), (670, 22901), (696, 22970), (699, 22988), (701, 22997), (714, 23027), (753, 23123), (764, 23156), (769, 23171), (815, 23312), (837, 23369), (879, 23480), (925, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 181

Candidate Starts for AngryOrchard_22:

(Start: 168 @16253 has 10 MA's), (Start: 181 @16268 has 32 MA's), (220, 16337), (241, 16373), (298, 16514), (320, 16559), (383, 16688), (401, 16730), (407, 16748), (410, 16757), (Start: 417 @16781 has 1 MA's), (430, 16799), (458, 16829), (465, 16844), (466, 16847), (483, 16886), (491, 16895), (608, 17096), (667, 17234), (696, 17312), (704, 17351), (708, 17363), (743, 17393), (769, 17471), (831, 17618), (871, 17717), (877, 17732), (923, 17885),

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

Candidate Starts for Anma_23:

(Start: 118 @17102 has 149 MA's), (Start: 144 @17132 has 125 MA's), (245, 17291), (261, 17324), (274, 17354), (283, 17387), (287, 17399), (325, 17489), (351, 17531), (381, 17603), (385, 17612), (401, 17651), (415, 17696), (426, 17720), (467, 17792), (487, 17834), (492, 17840), (500, 17867), (589, 18005), (598, 18023), (609, 18065), (628, 18113), (643, 18140), (685, 18245), (716, 18335), (765, 18440), (777, 18470), (786, 18479), (815, 18554), (834, 18605), (907, 18800), (917, 18839), (919, 18842), (929, 18860),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 150

Candidate Starts for AnnaL29_31:

(Start: 130 @21997 has 8 MA's), (Start: 150 @22021 has 625 MA's), (266, 22204), (283, 22255), (284, 22258), (319, 22330), (320, 22333), (353, 22387), (355, 22393), (367, 22426), (401, 22504), (403, 22510), (407, 22522), (445, 22591), (483, 22666), (487, 22672), (491, 22675), (504, 22717), (581, 22864), (613, 22945), (614, 22948), (631, 22987), (664, 23053), (668, 23068), (714, 23200), (743, 23248), (761, 23299), (764, 23311), (769, 23326), (771, 23332), (790, 23386), (805, 23440), (837, 23524), (864, 23590), (877, 23629), (879, 23635),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 162

Candidate Starts for Annalisa_20:

(87, 17229), (Start: 162 @17346 has 92 MA's), (312, 17604), (323, 17625), (355, 17679), (368, 17718), (396, 17775), (403, 17796), (526, 17967), (534, 17985), (552, 18009), (575, 18030), (603, 18072), (631, 18153), (667, 18243), (700, 18345), (701, 18348), (722, 18402), (851, 18672), (880, 18771), (882, 18780), (891, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 138

Candidate Starts for Annihilator_18:

(Start: 112 @16631 has 26 MA's), (Start: 138 @16640 has 76 MA's), (Start: 144 @16646 has 125 MA's), (149, 16652), (237, 16784), (261, 16835), (274, 16865), (280, 16889), (320, 16991), (344, 17030), (347, 17036), (355, 17051), (371, 17096), (419, 17216), (450, 17273), (467, 17312), (492, 17360), (500, 17387), (504, 17399), (548, 17480), (589, 17525), (668, 17723), (677, 17753), (685, 17771), (696, 17798), (723, 17882), (742, 17900), (749, 17915), (764, 17963), (769, 17978), (802, 18041), (821, 18098), (837, 18137), (858, 18179), (880, 18230), (907, 18326), (929, 18386),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Annyong_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 150

Candidate Starts for Anon_28:

(Start: 130 @19703 has 8 MA's), (Start: 150 @19727 has 625 MA's), (212, 19802), (237, 19847), (245, 19865), (284, 19964), (298, 19994), (300, 20000), (320, 20039), (330, 20054), (357, 20108), (367,

20132), (393, 20186), (403, 20216), (453, 20303), (467, 20336), (487, 20378), (491, 20381), (513, 20447), (536, 20498), (587, 20582), (667, 20771), (668, 20774), (689, 20837), (701, 20876), (719, 20921), (753, 21002), (764, 21035), (771, 21056), (791, 21113), (802, 21149), (837, 21242), (880, 21362), (907, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 150

Candidate Starts for Anselm_28:

(Start: 130 @20269 has 8 MA's), (Start: 150 @20293 has 625 MA's), (226, 20392), (283, 20527), (284, 20530), (319, 20602), (320, 20605), (353, 20659), (367, 20698), (387, 20743), (401, 20776), (445, 20863), (487, 20944), (491, 20947), (614, 21220), (668, 21340), (708, 21466), (743, 21520), (747, 21529), (753, 21550), (764, 21583), (769, 21598), (771, 21604), (790, 21658), (801, 21697), (805, 21712), (837, 21796), (879, 21907), (916, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 150

Candidate Starts for Anthony_27:

(102, 18609), (Start: 130 @18651 has 8 MA's), (Start: 150 @18675 has 625 MA's), (Start: 173 @18684 has 4 MA's), (226, 18774), (245, 18813), (283, 18909), (284, 18912), (319, 18984), (320, 18987), (353, 19041), (355, 19047), (401, 19158), (445, 19245), (487, 19326), (491, 19329), (562, 19485), (580, 19515), (631, 19641), (668, 19722), (708, 19848), (752, 19956), (753, 19959), (769, 20007), (790, 20067), (801, 20106), (805, 20121), (837, 20205), (877, 20310), (879, 20316), (882, 20334), (894, 20370), (916, 20451),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Antonio_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 138

Candidate Starts for Antsirabe_18:

(Start: 138 @16985 has 76 MA's), (232, 17105), (274, 17198), (320, 17324), (330, 17339), (347, 17369), (351, 17375), (355, 17384), (371, 17429), (419, 17549), (467, 17645), (487, 17687), (492, 17693), (504, 17732), (516, 17768), (548, 17813), (668, 18050), (685, 18098), (696, 18125), (703, 18161), (809, 18380), (821, 18413), (858, 18494), (907, 18641), (921, 18686),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 150

Candidate Starts for Anubis_31:

(Start: 150 @20265 has 625 MA's), (Start: 199 @20322 has 1 MA's), (208, 20337), (226, 20370), (237, 20391), (Start: 244 @20406 has 1 MA's), (279, 20493), (283, 20505), (284, 20508), (320, 20583), (330, 20598), (351, 20634), (445, 20841), (500, 20955), (514, 20994), (562, 21081), (613, 21195), (622, 21219), (631, 21237), (668, 21318), (696, 21393), (699, 21411), (708, 21444), (714, 21450), (727, 21489), (752, 21543), (753, 21546), (761, 21567), (780, 21624), (837, 21792), (877, 21897), (879, 21903), (916, 22038),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 160

Candidate Starts for Aphelion_48:

(Start: 160 @29609 has 22 MA's), (202, 29669), (216, 29702), (234, 29735), (282, 29861), (292, 29894), (294, 29903), (354, 30032), (370, 30080), (520, 30293), (523, 30299), (534, 30323), (601, 30452), (606, 30473), (616, 30506), (688, 30704), (789, 30857), (817, 30956), (821, 30968), (824, 30977), (860, 31061), (905, 31208), (915, 31244), (919, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 168

Candidate Starts for Apiary_45:

(Start: 168 @31353 has 10 MA's), (Start: 177 @31362 has 46 MA's), (212, 31416), (230, 31440), (237, 31443), (365, 31713), (398, 31776), (403, 31791), (469, 31908), (477, 31923), (501, 31980), (504, 31989), (519, 32031), (531, 32052), (551, 32082), (597, 32139), (630, 32214), (655, 32253), (673, 32310), (706, 32415), (707, 32418), (724, 32445), (771, 32523), (797, 32562), (858, 32718), (884, 32784),

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

Candidate Starts for Apocalypse_23:

(Start: 118 @17125 has 149 MA's), (Start: 144 @17155 has 125 MA's), (245, 17314), (261, 17347), (274, 17377), (283, 17410), (287, 17422), (325, 17512), (351, 17554), (381, 17626), (385, 17635), (401, 17674), (415, 17719), (424, 17740), (426, 17743), (459, 17797), (467, 17815), (487, 17857), (492, 17863), (500, 17890), (589, 18028), (598, 18046), (609, 18088), (615, 18106), (628, 18136), (643, 18163), (685, 18268), (753, 18427), (765, 18463), (777, 18493), (786, 18502), (815, 18577), (834, 18628), (907, 18823), (917, 18862), (919, 18865), (929, 18883),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 181

Candidate Starts for AppleCloud_21:

(Start: 168 @16299 has 10 MA's), (Start: 181 @16314 has 32 MA's), (Start: 205 @16356 has 48 MA's), (220, 16383), (241, 16419), (298, 16560), (320, 16605), (383, 16734), (401, 16776), (407, 16794), (410, 16803), (Start: 417 @16827 has 1 MA's), (430, 16845), (458, 16875), (465, 16890), (466, 16893), (483, 16932), (491, 16941), (520, 17025), (580, 17079), (587, 17094), (608, 17142), (614, 17166), (667, 17280), (696, 17358), (704, 17397), (708, 17409), (715, 17418), (743, 17439), (769, 17517), (831, 17664), (871, 17763), (877, 17778), (923, 17931),

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

Candidate Starts for Applecrisp_21:

(Start: 96 @17627 has 3 MA's), (Start: 112 @17657 has 26 MA's), (Start: 115 @17663 has 20 MA's), (Start: 118 @17666 has 149 MA's), (Start: 138 @17678 has 76 MA's), (Start: 144 @17684 has 125 MA's), (230, 17810), (237, 17825), (261, 17876), (274, 17906), (283, 17939), (325, 18041), (347, 18077), (351, 18083), (385, 18164), (446, 18308), (449, 18311), (459, 18326), (465, 18338), (467, 18344), (476, 18362), (487, 18386), (492, 18392), (500, 18419), (598, 18575), (643, 18692), (662, 18725), (665, 18737), (668, 18749), (685, 18797), (764, 18989), (777, 19022), (786, 19031), (799, 19055), (810, 19094), (815, 19106), (834, 19157), (837, 19163), (880, 19256), (897, 19307), (907, 19352), (917, 19391), (919, 19394), (929, 19412),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 152

Candidate Starts for Applejack_27:

(Start: 152 @21097 has 219 MA's), (Start: 173 @21118 has 4 MA's), (Start: 199 @21160 has 1 MA's), (223, 21205), (320, 21421), (347, 21466), (353, 21475), (367, 21514), (391, 21565), (393, 21568), (491, 21763), (514, 21832), (613, 22033), (614, 22036), (622, 22057), (667, 22153), (668, 22156), (670, 22162), (696, 22231), (699, 22249), (701, 22258), (714, 22288), (753, 22384), (764, 22417), (769, 22432), (815, 22573), (837, 22630), (879, 22741),

Gene: Applejacks_18 Start: 15064, Stop: 16680, Start Num: 153

Candidate Starts for Applejacks_18:

(153, 15064), (223, 15163), (226, 15166), (252, 15217), (296, 15331), (332, 15394), (346, 15421), (389, 15517), (401, 15547), (468, 15673), (515, 15787), (532, 15820), (606, 15907), (608, 15910), (613, 15931), (631, 15976), (667, 16045), (668, 16048), (680, 16090), (687, 16108), (695, 16120), (716, 16186), (752, 16222), (754, 16228), (757, 16234), (761, 16246), (764, 16258), (792, 16306), (877, 16510), (879, 16516), (880, 16525), (908, 16624), (915, 16651), (923, 16669),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 150

Candidate Starts for Apricot_19:

(120, 15931), (Start: 150 @15970 has 625 MA's), (Start: 160 @15982 has 22 MA's), (Start: 163 @15985 has 16 MA's), (191, 16021), (213, 16060), (226, 16081), (247, 16123), (249, 16129), (252, 16132), (259, 16144), (273, 16180), (283, 16216), (305, 16273), (330, 16321), (345, 16348), (391, 16450), (405, 16489), (430, 16546), (443, 16564), (455, 16573), (458, 16579), (480, 16627), (492, 16657), (503, 16693), (505, 16699), (513, 16720), (514, 16723), (540, 16774), (581, 16801), (582, 16804), (596, 16831), (606, 16858), (633, 16930), (659, 16969), (677, 17023), (701, 17095), (720, 17140), (765, 17230), (771, 17248), (810, 17332), (814, 17341), (815, 17344), (817, 17350), (822, 17365), (835, 17395), (838, 17401), (852, 17422), (853, 17425), (868, 17479), (879, 17509), (880, 17518), (896, 17569), (904, 17602), (908, 17614), (913, 17632),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 150

Candidate Starts for Aragog_24:

(Start: 150 @19764 has 625 MA's), (230, 19869), (245, 19902), (284, 20001), (320, 20076), (330, 20091), (351, 20127), (381, 20199), (387, 20214), (401, 20247), (403, 20253), (509, 20478), (513, 20484), (562, 20574), (610, 20679), (613, 20688), (631, 20730), (640, 20748), (667, 20808), (668, 20811), (696, 20886), (699, 20904), (752, 21045), (764, 21081), (837, 21294), (876, 21396), (879, 21405), (910, 21519), (916, 21540), (919, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 152

Candidate Starts for Arcanine_28:

(Start: 152 @20852 has 219 MA's), (Start: 173 @20873 has 4 MA's), (Start: 199 @20915 has 1 MA's), (223, 20960), (320, 21176), (347, 21221), (353, 21230), (391, 21320), (393, 21323), (430, 21416), (491, 21518), (514, 21587), (609, 21776), (613, 21788), (614, 21791), (622, 21812), (667, 21908), (668, 21911), (670, 21917), (696, 21986), (699, 22004), (701, 22013), (714, 22043), (753, 22139), (764, 22172), (769, 22187), (815, 22328), (837, 22385), (879, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 150

Candidate Starts for ArcherNM_30:

(102, 21900), (Start: 130 @21942 has 8 MA's), (Start: 150 @21966 has 625 MA's), (266, 22149), (283, 22200), (284, 22203), (319, 22275), (320, 22278), (353, 22332), (355, 22338), (367, 22371), (401, 22449), (403, 22455), (407, 22467), (445, 22536), (483, 22611), (487, 22617), (491, 22620), (580, 22806), (613, 22890), (614, 22893), (631, 22932), (660, 22983), (664, 22998), (668, 23013), (708, 23139), (714, 23145), (743, 23193), (761, 23244), (764, 23256), (769, 23271), (771, 23277), (790, 23331), (805, 23385), (837, 23469), (864, 23535), (877, 23574), (879, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 150

Candidate Starts for Archetta_24:

(Start: 150 @19557 has 625 MA's), (245, 19695), (284, 19794), (320, 19869), (351, 19920), (381, 19992), (387, 20007), (401, 20040), (403, 20046), (455, 20139), (500, 20241), (509, 20271), (513, 20277), (562, 20367), (580, 20397), (609, 20469), (613, 20481), (614, 20484), (631, 20523), (640, 20541), (667, 20601), (668, 20604), (686, 20655), (699, 20697), (752, 20838), (766, 20880), (879, 21198), (916, 21333),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 185

Candidate Starts for ArchiDore_19:

(80, 16094), (143, 16208), (Start: 174 @16232 has 18 MA's), (Start: 185 @16244 has 2 MA's), (274, 16421), (276, 16427), (295, 16493), (351, 16607), (378, 16673), (381, 16679), (468, 16859), (470, 16865), (487, 16898), (553, 17027), (576, 17039), (587, 17060), (612, 17132), (661, 17237), (662, 17240), (679, 17303), (681, 17306), (696, 17339), (764, 17507), (766, 17513), (811, 17612), (929, 17930),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 177

Candidate Starts for Archimedes_16:

(Start: 177 @14567 has 46 MA's), (226, 14654), (275, 14759), (298, 14822), (300, 14828), (316, 14852), (369, 14960), (401, 15029), (495, 15212), (498, 15224), (516, 15278), (614, 15422), (617, 15428), (647, 15494), (662, 15512), (701, 15638), (713, 15668), (765, 15749), (766, 15752), (814, 15860), (817, 15869), (829, 15902), (889, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 177

Candidate Starts for Archis_20:

(Start: 141 @16825 has 4 MA's), (Start: 177 @16861 has 46 MA's), (237, 16963), (273, 17041), (274, 17044), (316, 17140), (338, 17179), (377, 17260), (400, 17314), (405, 17329), (495, 17500), (504, 17530), (617, 17713), (627, 17737), (628, 17740), (655, 17788), (687, 17881), (695, 17893), (705, 17938), (713, 17953), (765, 18085), (766, 18088), (810, 18187), (817, 18205), (837, 18256), (868, 18322), (889, 18385), (894, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 139

Candidate Starts for ArcusAngelus_16:

(Start: 139 @14845 has 218 MA's), (207, 14932), (Start: 233 @14977 has 2 MA's), (242, 15001), (282, 15106), (284, 15112), (289, 15130), (300, 15160), (353, 15265), (375, 15325), (384, 15346), (388, 15355), (396, 15373), (398, 15379), (425, 15454), (441, 15466), (467, 15481), (474, 15487), (493, 15505), (497, 15520), (499, 15526), (506, 15547), (512, 15562), (513, 15565), (516, 15577), (520, 15583), (543, 15631), (550, 15643), (554, 15649), (587, 15709), (592, 15721), (606, 15757), (609, 15769), (610, 15772), (616, 15790), (645, 15844), (648, 15853), (660, 15871), (662, 15877), (751, 16012), (752, 16021), (753, 16024), (765, 16060), (779, 16099), (792, 16138), (820, 16237), (826, 16258), (843, 16291), (858, 16321), (864, 16351), (866, 16357), (867, 16360), (869, 16366), (878, 16381), (879, 16384), (883, 16408), (899, 16450), (916, 16522), (917, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 139

Candidate Starts for Ardmore_16:

(Start: 139 @14856 has 218 MA's), (207, 14943), (Start: 233 @14988 has 2 MA's), (242, 15012), (282, 15117), (284, 15123), (289, 15141), (300, 15171), (353, 15276), (375, 15336), (384, 15357), (388, 15366), (398, 15390), (425, 15465), (427, 15468), (493, 15516), (497, 15531), (499, 15537), (512, 15573), (513, 15576), (516, 15588), (520, 15594), (543, 15642), (550, 15654), (554, 15660), (587, 15720), (592, 15732), (606, 15768), (609, 15780), (645, 15855), (648, 15864), (660, 15882), (662, 15888), (670, 15918), (751, 16023), (752, 16032), (753, 16035), (765, 16071), (792, 16149), (820, 16248), (826, 16269), (843, 16302), (858, 16332), (864, 16362), (867, 16371), (869, 16377), (878, 16392), (879, 16395), (883, 16419), (894, 16449), (899, 16461), (904, 16491), (916, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 144

Candidate Starts for Argent26_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 152

Candidate Starts for Arianna_19:

(Start: 152 @17425 has 219 MA's), (182, 17458), (305, 17716), (347, 17794), (400, 17917), (403, 17926), (404, 17929), (407, 17938), (410, 17947), (491, 18088), (495, 18100), (513, 18154), (607, 18289), (617, 18322), (625, 18340), (631, 18352), (640, 18367), (667, 18427), (674, 18448), (676, 18457), (699, 18523), (708, 18556), (743, 18586), (746, 18592), (747, 18595), (769, 18664), (814,

18763), (817, 18772), (878, 18928), (880, 18940),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 134

Candidate Starts for Arib1_19:

(Start: 134 @16391 has 48 MA's), (195, 16472), (197, 16475), (227, 16526), (255, 16589), (259, 16595), (274, 16634), (283, 16667), (292, 16691), (342, 16811), (351, 16826), (359, 16850), (360, 16856), (396, 16940), (410, 16982), (425, 17021), (437, 17027), (480, 17066), (493, 17072), (500, 17096), (520, 17150), (531, 17171), (560, 17231), (597, 17309), (609, 17348), (621, 17381), (648, 17447), (662, 17471), (668, 17495), (676, 17525), (680, 17537), (763, 17639), (807, 17777), (836, 17861), (874, 17960), (894, 18017), (907, 18068), (923, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 138

Candidate Starts for Ariel_34:

(Start: 138 @24674 has 76 MA's), (Start: 205 @24764 has 48 MA's), (207, 24767), (242, 24842), (255, 24869), (279, 24935), (292, 24971), (301, 25001), (308, 25016), (347, 25100), (360, 25136), (372, 25163), (390, 25202), (402, 25235), (405, 25244), (427, 25301), (479, 25343), (515, 25418), (520, 25430), (550, 25490), (572, 25544), (589, 25574), (597, 25592), (602, 25601), (610, 25634), (614, 25646), (616, 25652), (631, 25691), (662, 25748), (758, 25898), (763, 25916), (778, 25958), (787, 25982), (788, 25985), (792, 26000), (800, 26030), (809, 26060), (826, 26117), (885, 26267), (919, 26387), (923, 26393),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 150

Candidate Starts for Arissanae_28:

(Start: 148 @19806 has 18 MA's), (Start: 150 @19809 has 625 MA's), (Start: 180 @19827 has 1 MA's), (212, 19884), (223, 19905), (255, 19965), (273, 20007), (283, 20043), (284, 20046), (320, 20121), (353, 20175), (355, 20181), (391, 20265), (401, 20292), (403, 20298), (445, 20379), (487, 20460), (491, 20463), (509, 20523), (514, 20532), (608, 20712), (614, 20736), (631, 20775), (668, 20856), (727, 21027), (753, 21084), (757, 21093), (764, 21117), (769, 21132), (778, 21156), (790, 21192), (801, 21231), (805, 21246), (837, 21330), (864, 21396), (877, 21435), (879, 21441), (890, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 152

Candidate Starts for Arlo_26:

(Start: 152 @20726 has 219 MA's), (Start: 173 @20747 has 4 MA's), (Start: 199 @20789 has 1 MA's), (223, 20834), (320, 21050), (347, 21095), (353, 21104), (367, 21143), (391, 21194), (393, 21197), (430, 21290), (491, 21392), (514, 21461), (613, 21662), (614, 21665), (622, 21686), (667, 21782), (668, 21785), (670, 21791), (696, 21860), (699, 21878), (701, 21887), (714, 21917), (753, 22013), (764, 22046), (769, 22061), (815, 22202), (837, 22259), (879, 22370),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Aroostook_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 105

Candidate Starts for Arri_34:

(86, 26515), (Start: 105 @26557 has 84 MA's), (Start: 129 @26593 has 1 MA's), (Start: 155 @26626 has 12 MA's), (274, 26836), (275, 26839), (283, 26869), (310, 26935), (320, 26959), (326, 26968), (345, 27001), (410, 27154), (430, 27193), (466, 27244), (470, 27256), (480, 27274), (486, 27286),

(490, 27298), (495, 27313), (504, 27343), (505, 27346), (513, 27367), (581, 27439), (603, 27487), (647, 27598), (665, 27631), (676, 27670), (677, 27673), (701, 27745), (740, 27811), (744, 27823), (815, 27994), (816, 27997), (834, 28045), (852, 28072), (860, 28099), (877, 28153), (908, 28270), (914, 28291), (925, 28318),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 150

Candidate Starts for Artemis2UCLA_31:

(102, 19807), (Start: 130 @19849 has 8 MA's), (Start: 150 @19873 has 625 MA's), (284, 20110), (319, 20182), (320, 20185), (330, 20200), (353, 20239), (355, 20245), (401, 20356), (403, 20362), (415, 20401), (445, 20443), (467, 20482), (487, 20524), (491, 20527), (562, 20683), (624, 20824), (631, 20839), (714, 21052), (761, 21151), (769, 21178), (788, 21229), (790, 21238), (801, 21277), (805, 21292), (837, 21376), (877, 21481), (879, 21487), (916, 21622),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 162

Candidate Starts for Arti_41:

(Start: 162 @29812 has 92 MA's), (Start: 190 @29848 has 1 MA's), (201, 29866), (237, 29926), (355, 30166), (358, 30178), (363, 30193), (398, 30259), (403, 30274), (412, 30298), (413, 30301), (461, 30385), (475, 30415), (477, 30418), (501, 30475), (517, 30523), (519, 30526), (531, 30547), (603, 30652), (625, 30697), (648, 30739), (706, 30913), (724, 30943), (733, 30949), (796, 31057), (797, 31060), (821, 31135), (904, 31354), (923, 31411),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 150

Candidate Starts for Arturo_26:

(Start: 130 @19915 has 8 MA's), (Start: 150 @19939 has 625 MA's), (Start: 199 @19996 has 1 MA's), (230, 20050), (237, 20065), (245, 20083), (279, 20167), (283, 20179), (284, 20182), (320, 20257), (330, 20272), (353, 20311), (401, 20428), (445, 20515), (487, 20596), (505, 20644), (514, 20668), (562, 20755), (587, 20800), (614, 20872), (622, 20893), (631, 20911), (668, 20992), (699, 21085), (701, 21094), (708, 21118), (714, 21124), (722, 21148), (753, 21202), (761, 21223), (778, 21274), (787, 21298), (802, 21352), (837, 21448), (877, 21553), (880, 21568), (911, 21676), (916, 21694),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 150

Candidate Starts for Asapag_20:

(120, 16389), (Start: 150 @16428 has 625 MA's), (Start: 160 @16440 has 22 MA's), (213, 16518), (226, 16539), (249, 16587), (255, 16596), (273, 16638), (283, 16674), (305, 16731), (315, 16752), (330, 16779), (345, 16806), (405, 16947), (430, 17004), (455, 17031), (458, 17037), (480, 17085), (492, 17115), (503, 17151), (513, 17178), (514, 17181), (540, 17232), (581, 17259), (582, 17262), (596, 17289), (606, 17316), (633, 17388), (659, 17427), (677, 17481), (695, 17523), (720, 17598), (757, 17661), (765, 17688), (771, 17706), (810, 17790), (814, 17799), (815, 17802), (817, 17808), (822, 17823), (835, 17853), (838, 17859), (852, 17880), (853, 17883), (868, 17937), (879, 17967), (880, 17976), (896, 18027), (904, 18060), (908, 18072), (913, 18090),

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

Candidate Starts for Asayake_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 152

Candidate Starts for Ashballer_27:

(Start: 152 @21575 has 219 MA's), (Start: 173 @21596 has 4 MA's), (Start: 199 @21638 has 1 MA's), (223, 21683), (320, 21899), (347, 21944), (353, 21953), (367, 21992), (391, 22043), (393, 22046), (491, 22241), (514, 22310), (613, 22511), (614, 22514), (622, 22535), (667, 22631), (668, 22634), (670, 22640), (696, 22709), (699, 22727), (701, 22736), (714, 22766), (753, 22862), (764, 22895), (769, 22910), (815, 23051), (837, 23108), (879, 23219),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 105

Candidate Starts for Ashertheman_35:

(Start: 105 @29935 has 84 MA's), (Start: 129 @29971 has 1 MA's), (220, 30100), (226, 30109), (272, 30205), (275, 30214), (296, 30283), (320, 30334), (326, 30343), (347, 30379), (355, 30394), (361, 30412), (391, 30475), (407, 30520), (410, 30529), (476, 30640), (480, 30649), (487, 30664), (495, 30688), (504, 30718), (631, 30940), (641, 30958), (647, 30973), (667, 31015), (668, 31018), (676, 31045), (723, 31165), (815, 31369), (816, 31372), (834, 31420), (852, 31447), (860, 31474), (877, 31528), (883, 31555),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 121

Candidate Starts for Ashwin_58:

(Start: 115 @33950 has 20 MA's), (Start: 121 @33959 has 44 MA's), (191, 34049), (248, 34166), (266, 34202), (275, 34223), (282, 34250), (284, 34256), (294, 34286), (302, 34310), (327, 34361), (388, 34499), (392, 34505), (409, 34556), (410, 34559), (415, 34577), (493, 34628), (499, 34649), (500, 34652), (516, 34700), (520, 34706), (543, 34754), (544, 34760), (550, 34766), (573, 34826), (587, 34850), (589, 34853), (606, 34898), (610, 34913), (613, 34922), (616, 34931), (634, 34976), (648, 34994), (664, 35027), (753, 35165), (761, 35186), (782, 35252), (793, 35282), (807, 35336), (820, 35378), (826, 35399), (836, 35420), (843, 35432), (855, 35453), (869, 35507), (897, 35585), (904, 35621), (910, 35642), (917, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 205

Candidate Starts for Asriel_23:

(Start: 144 @18614 has 125 MA's), (Start: 205 @18698 has 48 MA's), (Start: 244 @18776 has 1 MA's), (279, 18863), (284, 18878), (300, 18926), (317, 18965), (359, 19052), (362, 19064), (372, 19085), (388, 19121), (400, 19151), (402, 19157), (437, 19226), (495, 19256), (498, 19268), (499, 19271), (520, 19328), (589, 19460), (591, 19466), (614, 19532), (616, 19538), (625, 19562), (648, 19610), (662, 19634), (664, 19643), (688, 19718), (752, 19769), (758, 19784), (809, 19946), (817, 19973), (826, 20003), (868, 20108), (897, 20186), (904, 20222), (907, 20231), (916, 20264), (923, 20279),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 150

Candidate Starts for Astro_24:

(Start: 130 @18631 has 8 MA's), (Start: 150 @18655 has 625 MA's), (222, 18748), (245, 18793), (284, 18892), (300, 18928), (320, 18967), (330, 18982), (351, 19018), (401, 19138), (403, 19144), (467, 19264), (520, 19393), (562, 19465), (613, 19579), (699, 19795), (708, 19828), (753, 19930), (764, 19963), (769, 19978), (780, 20008), (876, 20278), (879, 20287), (880, 20296), (913, 20410),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 134

Candidate Starts for Atcoo_19:

(Start: 116 @16236 has 3 MA's), (Start: 134 @16260 has 48 MA's), (184, 16320), (195, 16341), (197, 16344), (259, 16464), (274, 16503), (283, 16536), (292, 16560), (342, 16680), (359, 16719), (360, 16725), (396, 16809), (398, 16815), (402, 16827), (410, 16851), (420, 16878), (437, 16896), (480, 16935), (493, 16941), (500, 16965), (520, 17019), (526, 17031), (531, 17040), (560, 17100), (597, 17178), (609, 17217), (621, 17250), (648, 17316), (659, 17331), (662, 17340), (668, 17364), (676, 17394), (680, 17406), (763, 17508), (767, 17520), (768, 17523), (770, 17529), (774, 17538), (807, 17646), (836, 17730), (874, 17829), (907, 17937), (923, 17985),

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

Candidate Starts for Atiba_23:

(Start: 118 @17117 has 149 MA's), (Start: 144 @17147 has 125 MA's), (245, 17306), (261, 17339), (274, 17369), (283, 17402), (287, 17414), (325, 17504), (351, 17546), (381, 17618), (385, 17627), (401, 17666), (415, 17711), (424, 17732), (426, 17735), (459, 17789), (467, 17807), (487, 17849), (492, 17855), (500, 17882), (589, 18020), (598, 18038), (609, 18080), (615, 18098), (628, 18128), (643, 18155), (685, 18260), (753, 18419), (765, 18455), (777, 18485), (786, 18494), (815, 18569), (834, 18620), (880, 18719), (907, 18815), (917, 18854), (919, 18857), (929, 18875),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 152

Candidate Starts for Atkinbua_29:

(Start: 152 @21550 has 219 MA's), (Start: 173 @21571 has 4 MA's), (Start: 199 @21613 has 1 MA's), (223, 21658), (320, 21874), (347, 21919), (353, 21928), (367, 21967), (391, 22018), (393, 22021), (491, 22216), (514, 22285), (613, 22486), (614, 22489), (622, 22510), (667, 22606), (668, 22609), (670, 22615), (696, 22684), (699, 22702), (701, 22711), (714, 22741), (753, 22837), (764, 22870), (769, 22885), (815, 23026), (837, 23083), (879, 23194), (925, 23347),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for Attis_17:

(79, 14616), (Start: 165 @14751 has 39 MA's), (271, 14940), (272, 14943), (299, 15018), (330, 15072), (363, 15141), (368, 15153), (403, 15231), (404, 15234), (467, 15366), (495, 15420), (511, 15471), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (659, 15744), (668, 15783), (700, 15879), (758, 15987), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 139

Candidate Starts for Aubs_16:

(Start: 139 @14966 has 218 MA's), (207, 15053), (Start: 233 @15098 has 2 MA's), (242, 15122), (282, 15227), (284, 15233), (289, 15251), (300, 15281), (353, 15386), (375, 15446), (384, 15467), (388, 15476), (398, 15500), (425, 15575), (467, 15602), (474, 15608), (493, 15626), (497, 15641), (499, 15647), (512, 15683), (513, 15686), (516, 15698), (520, 15704), (543, 15752), (550, 15764), (554, 15770), (587, 15830), (592, 15842), (606, 15878), (609, 15890), (645, 15965), (648, 15974), (660, 15992), (662, 15998), (670, 16028), (751, 16133), (752, 16142), (753, 16145), (765, 16181), (792, 16259), (820, 16358), (826, 16379), (843, 16412), (858, 16442), (864, 16472), (867, 16481), (869, 16487), (878, 16502), (879, 16505), (883, 16529), (894, 16559), (899, 16571), (904, 16601), (916, 16643),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for AugsMagnumOpus_31:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 85

Candidate Starts for AuntGwenStacy_24:

(Start: 85 @19608 has 5 MA's), (107, 19656), (114, 19665), (Start: 147 @19704 has 1 MA's), (Start: 181 @19734 has 32 MA's), (187, 19746), (208, 19782), (223, 19812), (230, 19821), (237, 19836), (261, 19887), (263, 19890), (297, 19989), (363, 20130), (387, 20181), (391, 20187), (405, 20226), (424, 20280), (467, 20349), (487, 20391), (501, 20427), (504, 20436), (545, 20514), (552, 20523), (570, 20553), (587, 20586), (589, 20589), (609, 20649), (617, 20673), (622, 20682), (659, 20751), (695, 20856), (696, 20859), (701, 20886), (796, 21069), (894, 21324), (917, 21414), (919, 21417), (921,

21420),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 155

Candidate Starts for Avani_19:

(Start: 155 @13744 has 12 MA's), (212, 13825), (230, 13855), (241, 13876), (246, 13888), (275, 13954), (286, 13993), (289, 14005), (298, 14029), (328, 14086), (330, 14089), (343, 14113), (347, 14119), (348, 14122), (367, 14167), (375, 14185), (393, 14221), (445, 14332), (467, 14368), (480, 14395), (486, 14407), (487, 14410), (500, 14452), (504, 14464), (513, 14488), (568, 14542), (613, 14641), (661, 14734), (668, 14761), (672, 14773), (697, 14824), (699, 14839), (736, 14893), (751, 14920), (815, 15082), (816, 15085), (817, 15088), (864, 15205), (879, 15247), (902, 15331), (914, 15376), (919, 15394),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 150

Candidate Starts for AvatarAhPeg_28:

(Start: 130 @20081 has 8 MA's), (Start: 150 @20105 has 625 MA's), (Start: 155 @20111 has 12 MA's), (Start: 199 @20165 has 1 MA's), (237, 20234), (273, 20312), (279, 20336), (283, 20348), (284, 20351), (320, 20426), (330, 20441), (353, 20480), (393, 20573), (401, 20597), (445, 20684), (500, 20798), (562, 20924), (587, 20969), (613, 21038), (622, 21062), (627, 21074), (668, 21161), (699, 21254), (708, 21287), (714, 21293), (719, 21308), (752, 21386), (753, 21389), (761, 21410), (837, 21635), (868, 21713), (869, 21716), (877, 21740), (879, 21746), (916, 21881), (925, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Avle17_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 138

Candidate Starts for Avocado_18:

(Start: 112 @16905 has 26 MA's), (Start: 138 @16914 has 76 MA's), (Start: 167 @16944 has 1 MA's), (208, 17007), (209, 17010), (219, 17028), (237, 17061), (260, 17109), (261, 17112), (320, 17268), (330, 17283), (371, 17373), (393, 17415), (419, 17493), (467, 17589), (476, 17607), (487, 17631), (492, 17637), (504, 17676), (516, 17712), (548, 17757), (589, 17802), (623, 17898), (626, 17907), (660, 17964), (685, 18042), (696, 18069), (703, 18105), (742, 18159), (764, 18222), (775, 18252), (821, 18357), (830, 18381), (852, 18420), (876, 18471), (919, 18627), (921, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Avrafan_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 139

Candidate Starts for Awesomesauce_17:

(Start: 139 @14672 has 218 MA's), (207, 14759), (Start: 233 @14804 has 2 MA's), (242, 14828), (282, 14933), (284, 14939), (289, 14957), (293, 14966), (300, 14987), (353, 15092), (375, 15152), (379, 15161), (384, 15173), (388, 15182), (398, 15206), (410, 15242), (411, 15248), (415, 15260), (425,

15281), (427, 15284), (441, 15293), (467, 15308), (474, 15314), (493, 15332), (497, 15347), (499, 15353), (505, 15371), (506, 15374), (512, 15389), (516, 15404), (520, 15410), (543, 15458), (550, 15470), (554, 15476), (587, 15536), (592, 15548), (597, 15557), (606, 15584), (609, 15596), (616, 15617), (645, 15671), (648, 15680), (662, 15704), (670, 15734), (751, 15839), (753, 15851), (765, 15887), (792, 15965), (820, 16064), (826, 16085), (843, 16118), (858, 16148), (864, 16178), (866, 16184), (867, 16187), (869, 16193), (878, 16208), (879, 16211), (882, 16232), (899, 16277), (916, 16349), (917, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 150

Candidate Starts for Axym_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: Ayanochan_31 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Ayanochan_31:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748), (668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 174

Candidate Starts for Ayotoya_22:

(Start: 106 @18055 has 2 MA's), (Start: 174 @18130 has 18 MA's), (230, 18223), (237, 18238), (241, 18244), (274, 18319), (295, 18391), (348, 18502), (367, 18547), (375, 18565), (381, 18577), (465, 18748), (468, 18757), (470, 18763), (510, 18859), (535, 18910), (613, 19033), (628, 19072), (681, 19204), (722, 19318), (764, 19405), (814, 19519), (817, 19528), (864, 19633), (895, 19720), (929, 19828),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 150

Candidate Starts for Azira_20:

(40, 16299), (43, 16335), (49, 16386), (Start: 150 @16710 has 625 MA's), (Start: 160 @16722 has 22 MA's), (289, 16974), (297, 16995), (298, 16998), (320, 17043), (330, 17058), (367, 17136), (387, 17181), (430, 17283), (458, 17316), (462, 17328), (465, 17331), (490, 17388), (500, 17421), (505, 17436), (533, 17502), (582, 17544), (587, 17553), (606, 17598), (627, 17661), (667, 17742), (673, 17760), (676, 17769), (678, 17778), (699, 17835), (701, 17844), (769, 17976), (786, 18003), (798, 18024), (814, 18075), (815, 18078), (858, 18174), (864, 18201), (867, 18210), (868, 18213), (879, 18243), (882, 18261), (898, 18306), (923, 18396),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 177

Candidate Starts for Azula_21:

(Start: 141 @16926 has 4 MA's), (Start: 177 @16962 has 46 MA's), (Start: 185 @16971 has 2 MA's), (237, 17067), (273, 17145), (299, 17217), (316, 17244), (338, 17283), (377, 17364), (400, 17418), (495, 17604), (504, 17634), (580, 17733), (617, 17817), (627, 17841), (655, 17892), (687, 17985), (695, 17997), (705, 18042), (713, 18057), (765, 18189), (766, 18192), (810, 18291), (817, 18309), (837, 18360), (866, 18420), (868, 18426), (894, 18501),

Gene: AzulaCat_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for AzulaCat_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 150

Candidate Starts for B1_25:

(Start: 150 @19592 has 625 MA's), (Start: 199 @19652 has 1 MA's), (237, 19721), (279, 19823), (283, 19835), (284, 19838), (320, 19913), (330, 19928), (332, 19931), (353, 19967), (407, 20102), (445, 20171), (500, 20285), (562, 20411), (613, 20525), (614, 20528), (622, 20549), (631, 20567), (668, 20648), (696, 20723), (699, 20741), (701, 20750), (708, 20774), (714, 20780), (719, 20795), (727, 20819), (734, 20828), (752, 20873), (753, 20876), (761, 20897), (764, 20909), (837, 21122), (853, 21146), (877, 21227), (879, 21233), (916, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 150

Candidate Starts for BABullseye_31:

(Start: 150 @20049 has 625 MA's), (273, 20247), (284, 20286), (319, 20358), (320, 20361), (332, 20379), (353, 20415), (355, 20421), (401, 20532), (403, 20538), (415, 20577), (445, 20619), (467, 20658), (487, 20700), (491, 20703), (509, 20763), (624, 21000), (631, 21015), (668, 21096), (714, 21228), (769, 21354), (788, 21405), (790, 21414), (801, 21453), (802, 21456), (805, 21468), (837, 21552), (877, 21657), (879, 21663), (916, 21798),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 138

Candidate Starts for BAKA_34:

(Start: 138 @27001 has 76 MA's), (Start: 205 @27091 has 48 MA's), (230, 27139), (242, 27169), (292, 27298), (301, 27328), (347, 27427), (360, 27463), (372, 27490), (402, 27562), (405, 27571), (411, 27592), (474, 27661), (499, 27700), (500, 27703), (505, 27718), (520, 27757), (543, 27805), (550, 27817), (554, 27823), (572, 27871), (577, 27880), (589, 27901), (597, 27919), (612, 27967), (660, 28069), (680, 28141), (698, 28186), (700, 28198), (710, 28333), (711, 28339), (712, 28363), (739, 28435), (750, 28462), (828, 28711),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 148

Candidate Starts for BBQValindra_19:

(20, 16001), (23, 16034), (37, 16169), (45, 16271), (47, 16292), (51, 16313), (76, 16508), (120, 16592), (Start: 148 @16628 has 18 MA's), (289, 16898), (415, 17183), (443, 17225), (466, 17261), (480, 17291), (490, 17315), (503, 17357), (513, 17384), (565, 17441), (568, 17447), (609, 17534), (728, 17828), (758, 17894), (765, 17918), (771, 17936), (815, 18032), (821, 18050), (881, 18209), (905, 18296), (913, 18323),

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

Candidate Starts for BEEST_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 150

Candidate Starts for BENtherdunthat_20:

(120, 16389), (Start: 150 @16428 has 625 MA's), (Start: 160 @16440 has 22 MA's), (213, 16518), (226, 16539), (249, 16587), (255, 16596), (273, 16638), (283, 16674), (305, 16731), (315, 16752), (330, 16779), (345, 16806), (405, 16947), (430, 17004), (455, 17031), (458, 17037), (480, 17085), (492, 17115), (503, 17151), (513, 17178), (514, 17181), (540, 17232), (581, 17259), (582, 17262), (596, 17289), (606, 17316), (633, 17388), (659, 17427), (677, 17481), (695, 17523), (720, 17598), (757, 17661), (765, 17688), (771, 17706), (810, 17790), (814, 17799), (815, 17802), (817, 17808), (822, 17823), (835, 17853), (838, 17859), (852, 17880), (853, 17883), (868, 17937), (879, 17967), (880, 17976), (896, 18027), (904, 18060), (908, 18072), (913, 18090),

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

Candidate Starts for BGlluviae_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 152

Candidate Starts for BK1_25:

(Start: 152 @20661 has 219 MA's), (Start: 173 @20682 has 4 MA's), (Start: 199 @20724 has 1 MA's), (223, 20769), (320, 20985), (347, 21030), (353, 21039), (367, 21078), (391, 21129), (393, 21132), (491, 21327), (514, 21396), (609, 21585), (613, 21597), (614, 21600), (622, 21621), (667, 21717), (668, 21720), (670, 21726), (696, 21795), (699, 21813), (701, 21822), (714, 21852), (753, 21948), (764, 21981), (769, 21996), (815, 22137), (837, 22194), (879, 22305),

Gene: BPBiebs31_28 Start: 21364, Stop: 23166, Start Num: 152

Candidate Starts for BPBiebs31_28:

(Start: 152 @21364 has 219 MA's), (Start: 173 @21385 has 4 MA's), (Start: 199 @21427 has 1 MA's), (223, 21472), (320, 21688), (347, 21733), (353, 21742), (367, 21781), (391, 21832), (393, 21835), (430, 21928), (491, 22030), (514, 22099), (613, 22300), (614, 22303), (622, 22324), (667, 22420), (668, 22423), (670, 22429), (696, 22498), (699, 22516), (701, 22525), (714, 22555), (753, 22651), (764, 22684), (769, 22699), (815, 22840), (837, 22897), (879, 23008),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for BPs_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 112

Candidate Starts for BQuat_18:

(Start: 112 @16631 has 26 MA's), (Start: 138 @16640 has 76 MA's), (Start: 144 @16646 has 125 MA's), (149, 16652), (237, 16784), (261, 16835), (274, 16865), (280, 16889), (320, 16991), (344, 17030), (347, 17036), (355, 17051), (371, 17096), (419, 17216), (450, 17273), (467, 17312), (492, 17360), (500, 17387), (504, 17399), (548, 17480), (589, 17525), (668, 17723), (677, 17753), (685, 17771), (696, 17798), (723, 17882), (742, 17900), (749, 17915), (764, 17963), (769, 17978), (802, 18041), (821, 18098), (837, 18137), (858, 18179), (880, 18230), (907, 18326), (929, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for BabeRuth_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 144

Candidate Starts for BaboJay_23:

(Start: 144 @19296 has 125 MA's), (Start: 205 @19380 has 48 MA's), (Start: 244 @19458 has 1 MA's), (279, 19545), (284, 19560), (300, 19608), (317, 19647), (359, 19734), (372, 19767), (388, 19803), (400, 19833), (402, 19839), (437, 19908), (495, 19938), (498, 19950), (499, 19953), (520, 20010), (589, 20142), (591, 20148), (614, 20214), (616, 20220), (625, 20244), (648, 20292), (662, 20316), (664, 20325), (688, 20400), (752, 20451), (758, 20466), (809, 20628), (817, 20655), (826, 20685), (868, 20790), (897, 20868), (904, 20904), (907, 20913), (916, 20946), (923, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 148

Candidate Starts for Babsiella_19:

(Start: 148 @16430 has 18 MA's), (216, 16529), (221, 16538), (252, 16604), (264, 16628), (283, 16688), (284, 16691), (293, 16718), (371, 16898), (382, 16922), (388, 16934), (398, 16958), (493, 17084), (497, 17099), (500, 17108), (513, 17144), (520, 17162), (550, 17222), (634, 17414), (645, 17423), (648, 17432), (662, 17456), (752, 17600), (767, 17645), (800, 17747), (803, 17756), (807, 17774), (808, 17777), (864, 17936), (870, 17954), (878, 17990), (880, 18005), (897, 18053), (914, 18122),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 150

Candidate Starts for Baby16_27:

(Start: 130 @19812 has 8 MA's), (Start: 150 @19836 has 625 MA's), (Start: 199 @19893 has 1 MA's), (230, 19947), (237, 19962), (245, 19980), (279, 20064), (283, 20076), (284, 20079), (320, 20154), (330, 20169), (353, 20208), (401, 20325), (445, 20412), (487, 20493), (505, 20541), (514, 20565), (562, 20652), (587, 20697), (614, 20769), (622, 20790), (631, 20808), (668, 20889), (699, 20982), (701, 20991), (708, 21015), (714, 21021), (722, 21045), (753, 21099), (761, 21120), (778, 21171), (787, 21195), (802, 21249), (837, 21345), (877, 21450), (880, 21465), (911, 21573), (916, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 130

Candidate Starts for BabyBack_30:

(Start: 130 @21767 has 8 MA's), (Start: 150 @21791 has 625 MA's), (283, 22025), (284, 22028), (320, 22103), (332, 22121), (355, 22163), (401, 22274), (415, 22319), (445, 22361), (487, 22442), (491, 22445), (562, 22601), (580, 22631), (613, 22715), (614, 22718), (668, 22838), (708, 22964), (714, 22970), (743, 23018), (758, 23060), (761, 23069), (769, 23096), (778, 23120), (781, 23132), (801, 23195), (802, 23198), (805, 23210), (837, 23294), (877, 23399), (879, 23405), (882, 23423), (894, 23459), (916, 23540),

Gene: BabyJohn_26 Start: 20176, Stop: 21975, Start Num: 150

Candidate Starts for BabyJohn_26:

(Start: 150 @20176 has 625 MA's), (Start: 199 @20236 has 1 MA's), (237, 20305), (279, 20407), (283, 20419), (284, 20422), (320, 20497), (330, 20512), (332, 20515), (353, 20551), (407, 20686), (445, 20755), (500, 20869), (562, 20995), (613, 21109), (614, 21112), (622, 21133), (631, 21151), (668, 21232), (696, 21307), (699, 21325), (701, 21334), (708, 21358), (714, 21364), (719, 21379), (734, 21412), (752, 21457), (753, 21460), (761, 21481), (764, 21493), (837, 21706), (853, 21730), (877,

21811), (879, 21817), (909, 21928), (916, 21952),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 186

Candidate Starts for BabyMoney_21:

(72, 17810), (95, 17870), (158, 17963), (Start: 186 @17999 has 2 MA's), (Start: 193 @18011 has 3 MA's), (247, 18125), (248, 18131), (272, 18179), (280, 18209), (302, 18275), (304, 18281), (358, 18392), (360, 18401), (370, 18428), (376, 18437), (385, 18458), (497, 18629), (498, 18632), (523, 18698), (531, 18713), (566, 18797), (579, 18806), (601, 18848), (606, 18869), (622, 18917), (626, 18929), (636, 18956), (668, 19025), (693, 19094), (751, 19127), (768, 19184), (788, 19235), (806, 19304), (839, 19391), (846, 19406), (865, 19463), (868, 19472), (895, 19550), (898, 19556),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 150

Candidate Starts for BabyRay_27:

(Start: 150 @20152 has 625 MA's), (Start: 199 @20212 has 1 MA's), (237, 20281), (279, 20383), (283, 20395), (284, 20398), (320, 20473), (330, 20488), (332, 20491), (353, 20527), (407, 20662), (445, 20731), (500, 20845), (562, 20971), (613, 21085), (614, 21088), (622, 21109), (631, 21127), (668, 21208), (696, 21283), (699, 21301), (701, 21310), (708, 21334), (714, 21340), (719, 21355), (734, 21388), (752, 21433), (753, 21436), (761, 21457), (764, 21469), (837, 21682), (853, 21706), (877, 21787), (879, 21793), (897, 21853), (916, 21928),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 160

Candidate Starts for Bachita_50:

(Start: 160 @30042 has 22 MA's), (202, 30102), (216, 30135), (234, 30168), (282, 30294), (292, 30327), (294, 30336), (354, 30465), (370, 30513), (520, 30726), (523, 30732), (534, 30756), (601, 30885), (606, 30906), (616, 30939), (688, 31137), (789, 31290), (817, 31389), (821, 31401), (824, 31410), (860, 31494), (905, 31641), (915, 31677), (919, 31689),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 150

Candidate Starts for Bachome_28:

(102, 20680), (Start: 130 @20722 has 8 MA's), (Start: 150 @20746 has 625 MA's), (Start: 193 @20788 has 3 MA's), (245, 20884), (253, 20899), (283, 20980), (284, 20983), (320, 21058), (330, 21073), (353, 21112), (355, 21118), (401, 21229), (403, 21235), (445, 21316), (491, 21400), (541, 21526), (563, 21562), (631, 21712), (664, 21778), (667, 21790), (668, 21793), (734, 21982), (747, 22009), (757, 22039), (758, 22042), (764, 22063), (769, 22078), (778, 22102), (801, 22177), (805, 22192), (837, 22276), (877, 22381), (879, 22387), (894, 22441), (925, 22540),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 148

Candidate Starts for BackstagePass_19:

(76, 16648), (120, 16732), (Start: 148 @16768 has 18 MA's), (230, 16888), (279, 17005), (289, 17038), (330, 17122), (415, 17323), (443, 17365), (466, 17401), (480, 17431), (490, 17455), (503, 17497), (513, 17524), (565, 17581), (568, 17587), (609, 17674), (728, 17968), (758, 18034), (765, 18058), (771, 18076), (815, 18172), (821, 18190), (881, 18349), (905, 18436), (913, 18463),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 150

Candidate Starts for Backyardigan_27:

(Start: 130 @19811 has 8 MA's), (Start: 150 @19835 has 625 MA's), (Start: 155 @19841 has 12 MA's), (Start: 199 @19895 has 1 MA's), (237, 19964), (273, 20042), (279, 20066), (284, 20081), (300, 20117), (320, 20156), (330, 20171), (353, 20210), (393, 20303), (401, 20327), (445, 20414), (500, 20528), (514, 20567), (562, 20654), (587, 20699), (613, 20768), (622, 20792), (627, 20804), (668, 20891), (696, 20966), (699, 20984), (701, 20993), (708, 21017), (714, 21023), (719, 21038), (734, 21071), (752, 21116), (753, 21119), (761, 21140), (837, 21365), (868, 21443), (877, 21470), (879, 21476), (916, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 152

Candidate Starts for BaconJack_29:

(Start: 152 @21344 has 219 MA's), (Start: 173 @21365 has 4 MA's), (Start: 199 @21407 has 1 MA's), (223, 21452), (320, 21668), (347, 21713), (353, 21722), (367, 21761), (391, 21812), (393, 21815), (491, 22010), (514, 22079), (613, 22280), (614, 22283), (622, 22304), (667, 22400), (668, 22403), (670, 22409), (696, 22478), (699, 22496), (701, 22505), (714, 22535), (753, 22631), (764, 22664), (769, 22679), (815, 22820), (837, 22877), (879, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 150

Candidate Starts for Bactobuster_29:

(Start: 130 @21760 has 8 MA's), (Start: 150 @21784 has 625 MA's), (Start: 244 @21919 has 1 MA's), (253, 21937), (283, 22018), (284, 22021), (319, 22093), (320, 22096), (375, 22207), (387, 22234), (401, 22267), (415, 22312), (445, 22354), (491, 22438), (562, 22594), (581, 22627), (664, 22816), (668, 22831), (708, 22957), (714, 22963), (764, 23074), (769, 23089), (771, 23095), (778, 23113), (790, 23149), (801, 23188), (805, 23203), (877, 23392), (879, 23398), (882, 23416), (890, 23443),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 144

Candidate Starts for BadStone_23:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 105

Candidate Starts for Baddon_34:

(Start: 105 @30732 has 84 MA's), (Start: 129 @30768 has 1 MA's), (220, 30897), (226, 30906), (272, 31002), (275, 31011), (296, 31080), (320, 31131), (326, 31140), (347, 31176), (355, 31191), (361, 31209), (391, 31272), (407, 31317), (410, 31326), (480, 31446), (487, 31461), (495, 31485), (504, 31515), (631, 31737), (641, 31755), (647, 31770), (667, 31812), (668, 31815), (676, 31842), (723, 31962), (757, 32025), (815, 32166), (816, 32169), (834, 32217), (852, 32244), (860, 32271), (877, 32325), (883, 32352),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 150

Candidate Starts for Badger_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 155 @19830 has 12 MA's), (Start: 199 @19884 has 1 MA's), (237, 19953), (273, 20031), (279, 20055), (284, 20070), (300, 20106), (320, 20145), (330, 20160), (353, 20199), (393, 20292), (401, 20316), (445, 20403), (500, 20517), (514, 20556), (562, 20643), (587, 20688), (613, 20757), (622, 20781), (627, 20793), (668, 20880), (696, 20955), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (719, 21027), (734, 21060), (752, 21105), (753, 21108), (761, 21129), (837, 21354), (868, 21432), (877, 21459), (879, 21465), (916, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 150

Candidate Starts for Baehexic_29:

(Start: 130 @20651 has 8 MA's), (Start: 150 @20675 has 625 MA's), (Start: 244 @20810 has 1 MA's), (283, 20909), (284, 20912), (319, 20984), (320, 20987), (353, 21041), (355, 21047), (381, 21110), (401, 21158), (445, 21245), (487, 21326), (491, 21329), (500, 21359), (562, 21485), (580, 21515), (614, 21602), (668, 21722), (707, 21845), (708, 21848), (714, 21854), (743, 21902), (764, 21965), (769, 21980), (771, 21986), (790, 22040), (801, 22079), (805, 22094), (817, 22127), (834, 22172), (877, 22283), (879, 22289), (894, 22343),

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

Candidate Starts for BaghaKamala_23:

(Start: 118 @17117 has 149 MA's), (Start: 144 @17147 has 125 MA's), (245, 17306), (261, 17339), (274, 17369), (283, 17402), (287, 17414), (325, 17504), (351, 17546), (381, 17618), (385, 17627), (401, 17666), (415, 17711), (424, 17732), (426, 17735), (459, 17789), (467, 17807), (487, 17849), (492, 17855), (500, 17882), (589, 18020), (598, 18038), (609, 18080), (615, 18098), (628, 18128), (643, 18155), (685, 18260), (753, 18419), (765, 18455), (777, 18485), (786, 18494), (815, 18569), (834, 18620), (907, 18815), (917, 18854), (919, 18857), (929, 18875),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 105

Candidate Starts for Bakery_32:

(86, 25726), (97, 25756), (Start: 105 @25768 has 84 MA's), (Start: 129 @25804 has 1 MA's), (Start: 148 @25828 has 18 MA's), (Start: 155 @25837 has 12 MA's), (249, 25993), (252, 25996), (274, 26047), (275, 26050), (283, 26080), (296, 26119), (320, 26170), (326, 26179), (345, 26212), (410, 26365), (430, 26404), (466, 26455), (470, 26467), (480, 26485), (486, 26497), (490, 26509), (495, 26524), (504, 26554), (505, 26557), (513, 26578), (603, 26698), (647, 26809), (665, 26842), (677, 26884), (701, 26956), (740, 27022), (815, 27205), (816, 27208), (834, 27256), (852, 27283), (860, 27310), (877, 27364), (908, 27481), (914, 27502), (925, 27529),

Gene: Balloona_17 Start: 15421, Stop: 17115, Start Num: 150

Candidate Starts for Balloona_17:

(Start: 140 @15418 has 9 MA's), (Start: 150 @15421 has 625 MA's), (222, 15520), (245, 15562), (351, 15802), (387, 15889), (397, 15910), (400, 15919), (409, 15946), (419, 15976), (430, 15991), (458, 16024), (465, 16039), (476, 16063), (490, 16096), (500, 16129), (504, 16141), (528, 16198), (580, 16246), (594, 16276), (606, 16306), (610, 16321), (627, 16369), (657, 16420), (668, 16456), (673, 16471), (678, 16489), (699, 16546), (765, 16675), (769, 16687), (798, 16735), (814, 16786), (815, 16789), (821, 16807), (858, 16885), (864, 16912), (879, 16954), (919, 17101), (923, 17107),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 144

Candidate Starts for Balomoji_23:

(Start: 144 @19479 has 125 MA's), (Start: 205 @19563 has 48 MA's), (Start: 244 @19641 has 1 MA's), (279, 19728), (284, 19743), (300, 19791), (317, 19830), (359, 19917), (372, 19950), (388, 19986), (400, 20016), (402, 20022), (437, 20091), (495, 20121), (498, 20133), (499, 20136), (520, 20193), (589, 20325), (591, 20331), (614, 20397), (616, 20403), (625, 20427), (648, 20475), (662, 20499), (664, 20508), (688, 20583), (752, 20634), (758, 20649), (809, 20811), (817, 20838), (826, 20868), (868, 20973), (897, 21051), (904, 21087), (907, 21096), (916, 21129), (923, 21144),

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

Candidate Starts for BananenDer11_21:

(Start: 121 @17552 has 44 MA's), (Start: 127 @17558 has 1 MA's), (Start: 147 @17582 has 1 MA's), (Start: 181 @17615 has 32 MA's), (208, 17663), (237, 17717), (261, 17768), (283, 17831), (330, 17939), (381, 18047), (424, 18161), (426, 18164), (449, 18203), (459, 18218), (465, 18230), (467, 18236), (483, 18272), (487, 18278), (492, 18284), (504, 18323), (513, 18347), (589, 18449), (610, 18512), (685, 18692), (719, 18791), (757, 18869), (764, 18893), (766, 18899), (785, 18932), (815, 19010), (817, 19016), (882, 19169), (912, 19274), (913, 19277), (917, 19295),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 150

Candidate Starts for BangNhom_27:

(Start: 130 @20114 has 8 MA's), (Start: 150 @20138 has 625 MA's), (Start: 155 @20144 has 12 MA's), (Start: 199 @20198 has 1 MA's), (208, 20213), (237, 20267), (245, 20285), (279, 20369), (283, 20381), (284, 20384), (320, 20459), (330, 20474), (353, 20513), (401, 20630), (445, 20717), (487, 20798), (505, 20846), (514, 20870), (562, 20957), (587, 21002), (614, 21074), (622, 21095), (631, 21113), (668, 21194), (696, 21269), (699, 21287), (701, 21296), (708, 21320), (714, 21326), (722,

21350), (751, 21392), (753, 21404), (761, 21425), (778, 21476), (787, 21500), (802, 21554), (837, 21650), (877, 21755), (880, 21770), (911, 21878), (916, 21896),

Gene: Banquo_26 Start: 17827, Stop: 19155, Start Num: 267

Candidate Starts for Banquo_26:

(Start: 267 @17827 has 11 MA's), (277, 17845), (329, 17953), (371, 18043), (387, 18076), (409, 18133), (414, 18151), (Start: 417 @18160 has 1 MA's), (428, 18181), (431, 18190), (455, 18223), (472, 18256), (563, 18319), (583, 18349), (588, 18358), (600, 18367), (603, 18376), (662, 18496), (667, 18523), (681, 18568), (695, 18598), (701, 18628), (753, 18700), (764, 18733), (766, 18739), (847, 18910), (868, 18961), (894, 19045), (898, 19054), (901, 19072), (924, 19144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 163

Candidate Starts for Bantam_30:

(82, 26973), (Start: 163 @27105 has 16 MA's), (202, 27162), (272, 27315), (293, 27390), (354, 27522), (370, 27570), (405, 27654), (499, 27816), (500, 27819), (515, 27861), (520, 27873), (523, 27879), (554, 27939), (556, 27945), (609, 28065), (621, 28098), (639, 28146), (688, 28272), (758, 28338), (817, 28524), (821, 28536), (857, 28614), (871, 28668), (930, 28860),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 105

Candidate Starts for Barb_33:

(86, 26533), (Start: 105 @26575 has 84 MA's), (Start: 129 @26611 has 1 MA's), (Start: 155 @26644 has 12 MA's), (274, 26854), (275, 26857), (283, 26887), (310, 26953), (320, 26977), (326, 26986), (345, 27019), (410, 27172), (430, 27211), (466, 27262), (470, 27274), (480, 27292), (486, 27304), (490, 27316), (495, 27331), (504, 27361), (505, 27364), (513, 27385), (581, 27457), (603, 27505), (647, 27616), (665, 27649), (677, 27691), (701, 27763), (740, 27829), (744, 27841), (815, 28012), (816, 28015), (834, 28063), (852, 28090), (860, 28117), (877, 28171), (908, 28288), (914, 28309), (925, 28336),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 205

Candidate Starts for Barbarian_23:

(Start: 144 @18614 has 125 MA's), (Start: 205 @18698 has 48 MA's), (Start: 244 @18776 has 1 MA's), (279, 18863), (284, 18878), (300, 18926), (317, 18965), (359, 19052), (362, 19064), (372, 19085), (388, 19121), (400, 19151), (402, 19157), (437, 19226), (495, 19256), (498, 19268), (499, 19271), (520, 19328), (589, 19460), (591, 19466), (614, 19532), (616, 19538), (625, 19562), (648, 19610), (662, 19634), (664, 19643), (688, 19718), (752, 19769), (758, 19784), (809, 19946), (817, 19973), (826, 20003), (868, 20108), (897, 20186), (904, 20222), (907, 20231), (916, 20264), (923, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 177

Candidate Starts for Barco_19:

(Start: 141 @16614 has 4 MA's), (Start: 177 @16650 has 46 MA's), (237, 16752), (273, 16830), (274, 16833), (316, 16929), (338, 16968), (377, 17049), (400, 17103), (405, 17118), (495, 17289), (504, 17319), (617, 17502), (627, 17526), (628, 17529), (655, 17577), (687, 17670), (695, 17682), (705, 17727), (713, 17742), (765, 17874), (766, 17877), (810, 17976), (817, 17994), (837, 18045), (868, 18111), (889, 18174), (894, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 138

Candidate Starts for Barkley26_18:

(58, 16439), (Start: 112 @16643 has 26 MA's), (Start: 138 @16652 has 76 MA's), (Start: 144 @16658 has 125 MA's), (149, 16664), (208, 16742), (237, 16796), (261, 16847), (274, 16877), (280, 16901), (287, 16922), (320, 17003), (344, 17042), (347, 17048), (355, 17063), (371, 17108), (419, 17228), (450, 17285), (467, 17324), (487, 17366), (492, 17372), (500, 17399), (504, 17411), (548, 17492), (589, 17537), (606, 17585), (668, 17735), (677, 17765), (685, 17783), (696, 17810), (742, 17912),

(749, 17927), (764, 17975), (769, 17990), (802, 18053), (821, 18110), (837, 18149), (858, 18191), (880, 18242), (907, 18338), (929, 18398),

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

Candidate Starts for BarrelRoll_23:

(Start: 118 @17140 has 149 MA's), (Start: 144 @17170 has 125 MA's), (245, 17329), (261, 17362), (274, 17392), (283, 17425), (287, 17437), (325, 17527), (351, 17569), (381, 17641), (385, 17650), (401, 17689), (415, 17734), (424, 17755), (426, 17758), (459, 17812), (467, 17830), (487, 17872), (492, 17878), (500, 17905), (589, 18043), (598, 18061), (609, 18103), (615, 18121), (628, 18151), (643, 18178), (685, 18283), (753, 18442), (765, 18478), (777, 18508), (786, 18517), (815, 18592), (834, 18643), (907, 18838), (917, 18877), (919, 18880), (929, 18898),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 152

Candidate Starts for Barriga_27:

(Start: 152 @20952 has 219 MA's), (Start: 173 @20973 has 4 MA's), (Start: 199 @21015 has 1 MA's), (223, 21060), (320, 21276), (347, 21321), (353, 21330), (367, 21369), (391, 21420), (393, 21423), (491, 21618), (514, 21687), (542, 21747), (613, 21888), (614, 21891), (622, 21912), (667, 22008), (668, 22011), (670, 22017), (696, 22086), (699, 22104), (701, 22113), (714, 22143), (753, 22239), (764, 22272), (769, 22287), (815, 22428), (837, 22485), (879, 22596),

Gene: BarrowTuph_26 Start: 20973, Stop: 22775, Start Num: 152

Candidate Starts for BarrowTuph_26:

(Start: 152 @20973 has 219 MA's), (Start: 173 @20994 has 4 MA's), (Start: 199 @21036 has 1 MA's), (223, 21081), (320, 21297), (347, 21342), (353, 21351), (367, 21390), (391, 21441), (393, 21444), (491, 21639), (514, 21708), (613, 21909), (614, 21912), (622, 21933), (667, 22029), (668, 22032), (670, 22038), (696, 22107), (699, 22125), (701, 22134), (714, 22164), (753, 22260), (764, 22293), (769, 22308), (815, 22449), (837, 22506), (879, 22617),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 105

Candidate Starts for Barsten_35:

(97, 30265), (Start: 105 @30283 has 84 MA's), (Start: 129 @30319 has 1 MA's), (226, 30457), (272, 30553), (275, 30562), (296, 30631), (320, 30682), (347, 30727), (355, 30742), (391, 30823), (407, 30868), (410, 30877), (466, 30967), (480, 30997), (487, 31012), (495, 31036), (504, 31066), (585, 31171), (631, 31288), (641, 31306), (647, 31321), (664, 31351), (667, 31363), (668, 31366), (676, 31393), (815, 31717), (816, 31720), (834, 31768), (852, 31795), (860, 31822), (877, 31876), (883, 31903), (919, 32032),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Bartholomew_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Bartimeaus_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973),

(701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 205

Candidate Starts for Bask21_24:

(Start: 144 @18925 has 125 MA's), (Start: 205 @19009 has 48 MA's), (Start: 244 @19087 has 1 MA's), (279, 19174), (284, 19189), (300, 19237), (317, 19276), (359, 19363), (372, 19396), (388, 19432), (400, 19462), (402, 19468), (437, 19537), (495, 19567), (498, 19579), (499, 19582), (520, 19639), (589, 19771), (591, 19777), (614, 19843), (616, 19849), (625, 19873), (648, 19921), (662, 19945), (664, 19954), (688, 20029), (752, 20080), (758, 20095), (809, 20257), (817, 20284), (826, 20314), (868, 20419), (897, 20497), (904, 20533), (907, 20542), (916, 20575), (923, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for BatStarr_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 139

Candidate Starts for Batiatus_16:

(Start: 139 @14857 has 218 MA's), (207, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (282, 15118), (284, 15124), (289, 15142), (300, 15172), (353, 15277), (375, 15337), (384, 15358), (388, 15367), (398, 15391), (411, 15433), (493, 15517), (497, 15532), (499, 15538), (512, 15574), (513, 15577), (516, 15589), (520, 15595), (543, 15643), (550, 15655), (554, 15661), (587, 15721), (592, 15733), (606, 15769), (609, 15781), (645, 15856), (648, 15865), (660, 15883), (662, 15889), (670, 15919), (751, 16024), (752, 16033), (753, 16036), (765, 16072), (792, 16150), (820, 16249), (826, 16270), (843, 16303), (858, 16333), (864, 16363), (867, 16372), (869, 16378), (878, 16393), (879, 16396), (883, 16420), (894, 16450), (899, 16462), (904, 16492), (916, 16534),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 150

Candidate Starts for Battleship_31:

(102, 19142), (Start: 130 @19184 has 8 MA's), (Start: 150 @19208 has 625 MA's), (245, 19346), (272, 19403), (284, 19445), (300, 19481), (320, 19520), (357, 19589), (367, 19613), (393, 19667), (467, 19817), (491, 19862), (500, 19892), (513, 19928), (536, 19979), (561, 20015), (587, 20063), (610, 20123), (667, 20252), (696, 20330), (769, 20531), (771, 20537), (802, 20633), (866, 20798), (897, 20897),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 105

Candidate Starts for Baumdotcom_34:

(Start: 105 @29556 has 84 MA's), (Start: 129 @29592 has 1 MA's), (220, 29721), (226, 29730), (272, 29826), (275, 29835), (296, 29904), (320, 29955), (326, 29964), (347, 30000), (355, 30015), (361, 30033), (391, 30096), (407, 30141), (410, 30150), (476, 30261), (480, 30270), (487, 30285), (495, 30309), (504, 30339), (631, 30561), (641, 30579), (647, 30594), (667, 30636), (668, 30639), (676, 30666), (723, 30786), (757, 30849), (815, 30990), (816, 30993), (834, 31041), (852, 31068), (860, 31095), (877, 31149), (883, 31176), (908, 31266), (925, 31314),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 150

Candidate Starts for Bavilard_18:

(Start: 140 @16204 has 9 MA's), (Start: 150 @16207 has 625 MA's), (222, 16306), (245, 16348), (351, 16588), (387, 16675), (397, 16696), (400, 16705), (409, 16732), (430, 16777), (458, 16810), (465, 16825), (476, 16849), (490, 16882), (500, 16915), (504, 16927), (528, 16984), (567, 17014), (580, 17032), (594, 17062), (606, 17092), (627, 17155), (657, 17206), (668, 17242), (673, 17257), (678,

17275), (699, 17332), (701, 17341), (765, 17461), (769, 17473), (798, 17521), (814, 17572), (815, 17575), (821, 17593), (858, 17671), (864, 17698), (879, 17740), (919, 17887), (923, 17893),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 162

Candidate Starts for BaxterFox_18:

(Start: 162 @17103 has 92 MA's), (312, 17361), (320, 17379), (323, 17382), (355, 17436), (386, 17511), (411, 17580), (414, 17589), (419, 17601), (424, 17613), (446, 17652), (462, 17679), (467, 17688), (468, 17691), (526, 17724), (568, 17781), (603, 17847), (646, 17958), (667, 18018), (700, 18120), (722, 18177), (770, 18267), (868, 18507), (891, 18585),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 139

Candidate Starts for Beakin_17:

(Start: 139 @14663 has 218 MA's), (207, 14750), (Start: 233 @14795 has 2 MA's), (242, 14819), (282, 14924), (284, 14930), (289, 14948), (300, 14978), (353, 15083), (375, 15143), (384, 15164), (388, 15173), (396, 15191), (398, 15197), (425, 15272), (493, 15323), (497, 15338), (499, 15344), (512, 15380), (513, 15383), (516, 15395), (520, 15401), (543, 15449), (550, 15461), (554, 15467), (587, 15527), (592, 15539), (606, 15575), (609, 15587), (645, 15662), (648, 15671), (660, 15689), (662, 15695), (670, 15725), (751, 15830), (752, 15839), (753, 15842), (765, 15878), (792, 15956), (820, 16055), (826, 16076), (843, 16109), (858, 16139), (864, 16169), (867, 16178), (869, 16184), (878, 16199), (879, 16202), (883, 16226), (894, 16256), (899, 16268), (904, 16298), (916, 16340),

Gene: Beanstalk_18 Start: 14807, Stop: 16516, Start Num: 139

Candidate Starts for Beanstalk_18:

(Start: 139 @14807 has 218 MA's), (207, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (248, 14984), (282, 15068), (284, 15074), (289, 15092), (300, 15122), (353, 15227), (375, 15287), (384, 15308), (388, 15317), (398, 15341), (493, 15467), (497, 15482), (499, 15488), (512, 15524), (513, 15527), (516, 15539), (520, 15545), (543, 15593), (550, 15605), (554, 15611), (587, 15671), (592, 15683), (606, 15719), (609, 15731), (645, 15806), (648, 15815), (662, 15839), (670, 15869), (751, 15974), (753, 15986), (765, 16022), (778, 16058), (779, 16061), (792, 16100), (820, 16199), (826, 16220), (843, 16253), (858, 16283), (864, 16313), (867, 16322), (869, 16328), (878, 16343), (879, 16346), (882, 16367), (883, 16370), (899, 16412), (904, 16442), (916, 16484), (917, 16490),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 119

Candidate Starts for BearBQ_19:

(Start: 119 @17400 has 25 MA's), (Start: 128 @17412 has 8 MA's), (Start: 129 @17415 has 1 MA's), (204, 17517), (223, 17553), (255, 17619), (305, 17712), (332, 17763), (337, 17772), (347, 17790), (363, 17832), (367, 17838), (378, 17862), (380, 17868), (387, 17886), (407, 17937), (409, 17943), (419, 17973), (456, 18015), (468, 18042), (480, 18066), (500, 18117), (501, 18120), (512, 18150), (609, 18300), (676, 18462), (699, 18528), (701, 18537), (704, 18549), (707, 18558), (759, 18651), (765, 18672), (769, 18684), (771, 18690), (775, 18699), (777, 18702), (804, 18756), (815, 18786), (844, 18855), (877, 18942), (879, 18948), (893, 18999), (916, 19086), (925, 19104),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 152

Candidate Starts for Beatrix_27:

(Start: 152 @22534 has 219 MA's), (Start: 173 @22555 has 4 MA's), (Start: 199 @22597 has 1 MA's), (223, 22642), (320, 22858), (347, 22903), (353, 22912), (367, 22951), (391, 23002), (393, 23005), (491, 23200), (514, 23269), (613, 23470), (614, 23473), (622, 23494), (667, 23590), (668, 23593), (670, 23599), (696, 23668), (699, 23686), (701, 23695), (714, 23725), (753, 23821), (764, 23854), (769, 23869), (815, 24010), (837, 24067), (879, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for Beauxregard13_29:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 205

Candidate Starts for Becksu_24:

(Start: 144 @19929 has 125 MA's), (Start: 205 @20013 has 48 MA's), (Start: 244 @20091 has 1 MA's), (279, 20178), (284, 20193), (300, 20241), (317, 20280), (359, 20367), (372, 20400), (388, 20436), (400, 20466), (402, 20472), (437, 20541), (495, 20571), (498, 20583), (499, 20586), (520, 20643), (589, 20775), (591, 20781), (614, 20847), (616, 20853), (625, 20877), (648, 20925), (662, 20949), (664, 20958), (688, 21033), (752, 21084), (758, 21099), (809, 21261), (817, 21288), (826, 21318), (868, 21423), (897, 21501), (904, 21537), (907, 21546), (916, 21579), (923, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 119

Candidate Starts for BeeGee_20:

(Start: 104 @17506 has 1 MA's), (Start: 119 @17530 has 25 MA's), (201, 17635), (224, 17677), (266, 17752), (320, 17866), (387, 18013), (391, 18019), (407, 18064), (483, 18202), (512, 18277), (667, 18559), (674, 18580), (699, 18655), (744, 18742), (759, 18778), (769, 18811), (771, 18817), (804, 18883), (815, 18913), (877, 19069), (879, 19075), (882, 19093), (914, 19204),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 150

Candidate Starts for Beemo_30:

(Start: 148 @21780 has 18 MA's), (Start: 150 @21783 has 625 MA's), (283, 22017), (284, 22020), (319, 22092), (320, 22095), (330, 22110), (353, 22149), (355, 22155), (401, 22266), (445, 22353), (487, 22434), (491, 22437), (580, 22623), (608, 22686), (614, 22710), (616, 22716), (631, 22749), (668, 22830), (708, 22956), (726, 22998), (753, 23058), (764, 23091), (769, 23106), (801, 23205), (802, 23208), (805, 23220), (837, 23304), (864, 23370), (877, 23409), (879, 23415), (890, 23460), (907, 23517), (908, 23520),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 162

Candidate Starts for Beenie_20:

(87, 17586), (Start: 162 @17703 has 92 MA's), (312, 17961), (323, 17982), (355, 18036), (368, 18075), (396, 18132), (403, 18153), (526, 18324), (534, 18342), (552, 18366), (575, 18387), (603, 18429), (631, 18510), (667, 18600), (681, 18645), (700, 18702), (701, 18705), (722, 18759), (770, 18849), (880, 19128), (882, 19137), (891, 19167),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 152

Candidate Starts for BeesKnees_28:

(Start: 152 @21151 has 219 MA's), (Start: 173 @21172 has 4 MA's), (Start: 199 @21214 has 1 MA's), (223, 21259), (320, 21475), (347, 21520), (353, 21529), (367, 21568), (391, 21619), (393, 21622), (491, 21817), (514, 21886), (613, 22087), (614, 22090), (622, 22111), (667, 22207), (668, 22210), (670, 22216), (696, 22285), (699, 22303), (701, 22312), (714, 22342), (753, 22438), (764, 22471), (769, 22486), (815, 22627), (837, 22684), (879, 22795),

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

Candidate Starts for Beezoo_23:

(Start: 118 @17164 has 149 MA's), (Start: 144 @17194 has 125 MA's), (245, 17353), (261, 17386), (274, 17416), (283, 17449), (287, 17461), (325, 17551), (351, 17593), (381, 17665), (385, 17674), (401, 17713), (415, 17758), (424, 17779), (426, 17782), (459, 17836), (467, 17854), (487, 17896), (492, 17902), (500, 17929), (589, 18067), (598, 18085), (609, 18127), (615, 18145), (628, 18175),

(643, 18202), (685, 18307), (753, 18466), (765, 18502), (786, 18541), (815, 18616), (834, 18667), (907, 18862), (917, 18901), (919, 18904), (929, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 177

Candidate Starts for Begonia_20:

(Start: 141 @17092 has 4 MA's), (Start: 177 @17128 has 46 MA's), (237, 17230), (273, 17308), (316, 17407), (338, 17446), (377, 17527), (400, 17581), (405, 17596), (495, 17767), (504, 17797), (617, 17980), (627, 18004), (655, 18055), (687, 18148), (695, 18160), (705, 18205), (713, 18220), (765, 18352), (766, 18355), (810, 18454), (817, 18472), (837, 18523), (868, 18589), (889, 18652), (894, 18664),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Belenaria_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

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

Candidate Starts for Bella96_23:

(Start: 118 @17084 has 149 MA's), (Start: 144 @17114 has 125 MA's), (245, 17273), (261, 17306), (274, 17336), (283, 17369), (287, 17381), (325, 17471), (351, 17513), (381, 17585), (385, 17594), (401, 17633), (415, 17678), (426, 17702), (467, 17774), (487, 17816), (492, 17822), (500, 17849), (589, 17987), (598, 18005), (609, 18047), (615, 18065), (628, 18095), (643, 18122), (685, 18227), (716, 18317), (765, 18422), (777, 18452), (786, 18461), (815, 18536), (834, 18587), (907, 18782), (917, 18821), (919, 18824), (929, 18842),

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

Candidate Starts for Belladonna_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Bellris_26 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for Bellris_26:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (223, 19702), (226, 19705), (274, 19807), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (405, 20101), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (580, 20446), (608, 20509), (614, 20533), (627, 20566), (631, 20572), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (864, 21193), (877, 21232), (879, 21238), (890, 21283),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for BellusTerra_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159),

(787, 21183), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 172

Candidate Starts for Belphegor_33:

(Start: 125 @29961 has 1 MA's), (Start: 172 @30018 has 18 MA's), (182, 30030), (200, 30063), (230, 30114), (279, 30231), (283, 30243), (296, 30273), (321, 30318), (349, 30369), (365, 30408), (468, 30615), (485, 30645), (489, 30654), (501, 30690), (525, 30750), (581, 30798), (585, 30807), (613, 30870), (627, 30906), (631, 30915), (650, 30945), (667, 30984), (695, 31071), (696, 31074), (721, 31152), (765, 31212), (792, 31257), (817, 31338), (840, 31392), (880, 31488), (907, 31584), (916, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 205

Candidate Starts for Bench_26:

(Start: 144 @19606 has 125 MA's), (Start: 205 @19690 has 48 MA's), (Start: 244 @19768 has 1 MA's), (279, 19855), (284, 19870), (300, 19918), (317, 19957), (359, 20044), (372, 20077), (388, 20113), (400, 20143), (402, 20149), (437, 20218), (495, 20248), (498, 20260), (499, 20263), (520, 20320), (589, 20452), (591, 20458), (614, 20524), (616, 20530), (625, 20554), (648, 20602), (662, 20626), (664, 20635), (688, 20710), (752, 20761), (758, 20776), (809, 20938), (817, 20965), (826, 20995), (868, 21100), (897, 21178), (904, 21214), (907, 21223), (916, 21256), (923, 21271),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 150

Candidate Starts for Benedict_24:

(Start: 150 @18978 has 625 MA's), (284, 19215), (320, 19290), (330, 19305), (351, 19341), (381, 19413), (387, 19428), (401, 19461), (403, 19467), (500, 19662), (509, 19692), (513, 19698), (562, 19788), (587, 19833), (613, 19902), (631, 19944), (640, 19962), (667, 20022), (668, 20025), (699, 20118), (752, 20259), (764, 20295), (876, 20610), (879, 20619), (916, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 150

Candidate Starts for BengiVuitton_29:

(Start: 130 @20596 has 8 MA's), (Start: 150 @20620 has 625 MA's), (226, 20719), (283, 20854), (284, 20857), (319, 20929), (320, 20932), (353, 20986), (355, 20992), (367, 21025), (387, 21070), (401, 21103), (445, 21190), (487, 21271), (491, 21274), (504, 21316), (580, 21460), (614, 21547), (664, 21652), (668, 21667), (708, 21793), (714, 21799), (743, 21847), (769, 21925), (771, 21931), (790, 21985), (801, 22024), (805, 22039), (837, 22123), (879, 22234),

Gene: BennyP_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for BennyP_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (415, 20504), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 150

Candidate Starts for Benvolio_28:

(Start: 130 @20268 has 8 MA's), (Start: 150 @20292 has 625 MA's), (226, 20391), (266, 20475), (283, 20526), (284, 20529), (319, 20601), (320, 20604), (353, 20658), (367, 20697), (401, 20775), (445, 20862), (487, 20943), (491, 20946), (614, 21219), (668, 21339), (708, 21465), (714, 21471), (743, 21519), (764, 21582), (769, 21597), (771, 21603), (790, 21657), (801, 21696), (805, 21711), (837, 21795), (879, 21906),

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

Candidate Starts for Bern_23:

(Start: 118 @17112 has 149 MA's), (Start: 144 @17142 has 125 MA's), (245, 17301), (261, 17334), (274, 17364), (283, 17397), (287, 17409), (325, 17499), (351, 17541), (381, 17613), (385, 17622), (401, 17661), (415, 17706), (419, 17715), (426, 17730), (467, 17802), (487, 17844), (492, 17850), (500, 17877), (589, 18015), (598, 18033), (609, 18075), (615, 18093), (628, 18123), (643, 18150), (685, 18255), (765, 18450), (777, 18480), (786, 18489), (815, 18564), (834, 18615), (880, 18714), (897, 18765), (907, 18810), (917, 18849), (919, 18852), (929, 18870),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 152

Candidate Starts for Bethlehem_27:

(Start: 152 @22379 has 219 MA's), (Start: 173 @22400 has 4 MA's), (Start: 199 @22442 has 1 MA's), (223, 22487), (320, 22703), (347, 22748), (353, 22757), (391, 22847), (393, 22850), (430, 22943), (491, 23045), (514, 23114), (609, 23303), (613, 23315), (614, 23318), (622, 23339), (667, 23435), (668, 23438), (670, 23444), (696, 23513), (699, 23531), (701, 23540), (714, 23570), (753, 23666), (764, 23699), (769, 23714), (815, 23855), (837, 23912), (879, 24023),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 174

Candidate Starts for BetterKatz_22:

(Start: 106 @17528 has 2 MA's), (Start: 174 @17603 has 18 MA's), (230, 17696), (237, 17711), (241, 17717), (274, 17792), (295, 17864), (348, 17975), (367, 18020), (375, 18038), (381, 18050), (465, 18221), (468, 18230), (470, 18236), (487, 18269), (510, 18332), (535, 18383), (568, 18407), (587, 18431), (613, 18506), (628, 18545), (681, 18677), (722, 18791), (764, 18878), (814, 18992), (817, 19001), (864, 19106), (895, 19193), (929, 19301),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 152

Candidate Starts for Bexan_26:

(Start: 152 @22101 has 219 MA's), (Start: 173 @22122 has 4 MA's), (Start: 199 @22164 has 1 MA's), (223, 22209), (320, 22425), (347, 22470), (353, 22479), (367, 22518), (391, 22569), (393, 22572), (491, 22767), (514, 22836), (613, 23037), (614, 23040), (622, 23061), (667, 23157), (668, 23160), (670, 23166), (696, 23235), (699, 23253), (701, 23262), (714, 23292), (753, 23388), (764, 23421), (769, 23436), (780, 23466), (815, 23577), (837, 23634), (879, 23745),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 134

Candidate Starts for Bhagsy_19:

(Start: 116 @16368 has 3 MA's), (Start: 134 @16392 has 48 MA's), (184, 16452), (195, 16473), (197, 16476), (259, 16596), (274, 16635), (283, 16668), (292, 16692), (342, 16812), (359, 16851), (360, 16857), (396, 16941), (398, 16947), (402, 16959), (410, 16983), (420, 17010), (437, 17028), (480, 17067), (493, 17073), (500, 17097), (520, 17151), (526, 17163), (531, 17172), (560, 17232), (597, 17310), (609, 17349), (621, 17382), (648, 17448), (659, 17463), (662, 17472), (668, 17496), (676, 17526), (680, 17538), (763, 17640), (767, 17652), (768, 17655), (770, 17661), (774, 17670), (807, 17778), (836, 17862), (874, 17961), (907, 18069), (923, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 174

Candidate Starts for BiPauneto_44:

(Start: 162 @29566 has 92 MA's), (Start: 171 @29575 has 1 MA's), (Start: 174 @29578 has 18 MA's), (Start: 190 @29602 has 1 MA's), (237, 29680), (320, 29863), (355, 29920), (358, 29932), (363, 29947), (398, 30013), (403, 30028), (412, 30052), (461, 30139), (464, 30145), (475, 30169), (501, 30229), (511, 30259), (519, 30280), (596, 30385), (603, 30406), (648, 30493), (666, 30541), (706, 30667), (733, 30703), (814, 30868), (820, 30886), (834, 30922), (902, 31096), (904, 31108), (923, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 162

Candidate Starts for Bialota_19:

(Start: 162 @17776 has 92 MA's), (309, 18025), (312, 18034), (320, 18052), (323, 18055), (355, 18109), (386, 18184), (411, 18253), (414, 18262), (419, 18274), (424, 18286), (446, 18325), (462,

18352), (467, 18361), (468, 18364), (526, 18397), (568, 18454), (603, 18520), (646, 18631), (667, 18691), (700, 18793), (722, 18850), (770, 18940), (868, 19180), (891, 19258),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 150

Candidate Starts for BiancaTri92_30:

(Start: 130 @21949 has 8 MA's), (Start: 150 @21973 has 625 MA's), (Start: 244 @22108 has 1 MA's), (253, 22126), (283, 22207), (284, 22210), (319, 22282), (320, 22285), (353, 22339), (387, 22423), (401, 22456), (411, 22489), (445, 22543), (478, 22603), (487, 22624), (491, 22627), (580, 22813), (614, 22900), (631, 22939), (668, 23020), (708, 23146), (714, 23152), (722, 23176), (743, 23200), (764, 23263), (769, 23278), (771, 23284), (790, 23338), (801, 23377), (805, 23392), (879, 23587),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 105

Candidate Starts for Bibwit_34:

(97, 30452), (Start: 105 @30470 has 84 MA's), (Start: 129 @30506 has 1 MA's), (226, 30644), (272, 30740), (275, 30749), (296, 30818), (320, 30869), (347, 30914), (355, 30929), (391, 31010), (407, 31055), (410, 31064), (466, 31154), (480, 31184), (487, 31199), (490, 31208), (495, 31223), (504, 31253), (631, 31475), (641, 31493), (647, 31508), (664, 31538), (667, 31550), (668, 31553), (676, 31580), (815, 31904), (816, 31907), (834, 31955), (852, 31982), (860, 32009), (877, 32063), (882, 32087), (883, 32090), (908, 32180), (925, 32228),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 152

Candidate Starts for Big3_27:

(Start: 152 @21732 has 219 MA's), (Start: 173 @21753 has 4 MA's), (Start: 199 @21795 has 1 MA's), (223, 21840), (320, 22056), (347, 22101), (353, 22110), (367, 22149), (391, 22200), (393, 22203), (491, 22398), (514, 22467), (613, 22668), (614, 22671), (622, 22692), (667, 22788), (668, 22791), (670, 22797), (696, 22866), (699, 22884), (701, 22893), (714, 22923), (753, 23019), (764, 23052), (769, 23067), (815, 23208), (837, 23265), (879, 23376),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 144

Candidate Starts for BigBubba_25:

(Start: 144 @19509 has 125 MA's), (Start: 205 @19593 has 48 MA's), (Start: 244 @19671 has 1 MA's), (279, 19758), (284, 19773), (300, 19821), (317, 19860), (359, 19947), (372, 19980), (388, 20016), (400, 20046), (402, 20052), (437, 20121), (495, 20151), (498, 20163), (499, 20166), (520, 20223), (589, 20355), (591, 20361), (614, 20427), (616, 20433), (625, 20457), (648, 20505), (662, 20529), (664, 20538), (688, 20613), (752, 20664), (758, 20679), (809, 20841), (817, 20868), (826, 20898), (868, 21003), (897, 21081), (904, 21117), (907, 21126), (916, 21159), (923, 21174),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 150

Candidate Starts for BigChungus_17:

(Start: 140 @15458 has 9 MA's), (Start: 150 @15461 has 625 MA's), (222, 15560), (245, 15602), (275, 15671), (351, 15842), (387, 15929), (397, 15950), (400, 15959), (409, 15986), (430, 16031), (458, 16064), (465, 16079), (476, 16103), (490, 16136), (500, 16169), (504, 16181), (528, 16238), (580, 16286), (594, 16316), (606, 16346), (627, 16409), (657, 16460), (668, 16496), (673, 16511), (678, 16529), (699, 16586), (701, 16595), (765, 16715), (769, 16727), (798, 16775), (814, 16826), (815, 16829), (821, 16847), (858, 16925), (861, 16940), (864, 16952), (879, 16994), (919, 17141), (923, 17147),

Gene: BigHunkinEater_37 Start: 30013, Stop: 31614, Start Num: 189

Candidate Starts for BigHunkinEater_37:

(Start: 172 @29992 has 18 MA's), (189, 30013), (197, 30025), (226, 30076), (259, 30139), (283, 30211), (325, 30298), (355, 30349), (365, 30379), (401, 30460), (410, 30487), (468, 30586), (485, 30616), (489, 30625), (500, 30658), (501, 30661), (502, 30664), (505, 30673), (525, 30721), (581, 30769), (585, 30778), (627, 30877), (650, 30916), (660, 30928), (696, 31045), (704, 31084), (721,

31123), (764, 31180), (785, 31219), (792, 31228), (808, 31285), (812, 31297), (834, 31354), (837, 31360), (850, 31381), (864, 31414), (880, 31459), (916, 31588), (919, 31597),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 152

Candidate Starts for BigMau_29:

(Start: 152 @21333 has 219 MA's), (Start: 173 @21354 has 4 MA's), (Start: 199 @21396 has 1 MA's), (223, 21441), (320, 21657), (347, 21702), (353, 21711), (367, 21750), (391, 21801), (393, 21804), (491, 21999), (514, 22068), (613, 22269), (614, 22272), (622, 22293), (667, 22389), (668, 22392), (670, 22398), (696, 22467), (699, 22485), (701, 22494), (714, 22524), (753, 22620), (764, 22653), (769, 22668), (815, 22809), (837, 22866), (879, 22977),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 134

Candidate Starts for BigNuz_18:

(Start: 134 @16129 has 48 MA's), (197, 16213), (255, 16327), (259, 16333), (266, 16354), (274, 16372), (283, 16405), (292, 16429), (359, 16588), (360, 16594), (406, 16708), (437, 16765), (480, 16804), (493, 16810), (500, 16834), (520, 16888), (526, 16900), (531, 16909), (560, 16969), (581, 17014), (587, 17026), (597, 17047), (609, 17086), (621, 17119), (625, 17131), (648, 17185), (662, 17209), (668, 17233), (676, 17263), (680, 17275), (763, 17377), (767, 17389), (770, 17398), (774, 17407), (807, 17515), (836, 17599), (874, 17698), (894, 17755), (923, 17854),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 152

Candidate Starts for BigPaolini_28:

(Start: 152 @21730 has 219 MA's), (Start: 173 @21751 has 4 MA's), (Start: 199 @21793 has 1 MA's), (223, 21838), (320, 22054), (347, 22099), (353, 22108), (367, 22147), (391, 22198), (393, 22201), (491, 22396), (514, 22465), (613, 22666), (614, 22669), (622, 22690), (667, 22786), (668, 22789), (670, 22795), (696, 22864), (699, 22882), (701, 22891), (714, 22921), (753, 23017), (764, 23050), (769, 23065), (815, 23206), (837, 23263), (879, 23374), (925, 23527),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 139

Candidate Starts for BigPhil_17:

(Start: 139 @14635 has 218 MA's), (207, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (282, 14896), (284, 14902), (289, 14920), (300, 14950), (353, 15055), (375, 15115), (384, 15136), (388, 15145), (398, 15169), (425, 15244), (427, 15247), (493, 15295), (497, 15310), (499, 15316), (512, 15352), (513, 15355), (516, 15367), (520, 15373), (543, 15421), (550, 15433), (554, 15439), (587, 15499), (592, 15511), (606, 15547), (609, 15559), (645, 15634), (648, 15643), (660, 15661), (662, 15667), (670, 15697), (751, 15802), (752, 15811), (753, 15814), (765, 15850), (792, 15928), (820, 16027), (826, 16048), (843, 16081), (858, 16111), (864, 16141), (867, 16150), (869, 16156), (878, 16171), (879, 16174), (883, 16198), (894, 16228), (899, 16240), (904, 16270), (916, 16312),

Gene: Bigchungi_27 Start: 21103, Stop: 22905, Start Num: 152

Candidate Starts for Bigchungi_27:

(Start: 152 @21103 has 219 MA's), (Start: 173 @21124 has 4 MA's), (Start: 199 @21166 has 1 MA's), (320, 21427), (347, 21472), (353, 21481), (367, 21520), (391, 21571), (393, 21574), (491, 21769), (514, 21838), (613, 22039), (614, 22042), (622, 22063), (667, 22159), (668, 22162), (670, 22168), (696, 22237), (699, 22255), (701, 22264), (714, 22294), (753, 22390), (764, 22423), (769, 22438), (815, 22579), (837, 22636), (879, 22747),

Gene: Bigflo_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for Bigflo_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727,

21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 152

Candidate Starts for Bigfoot_26:

(Start: 152 @20939 has 219 MA's), (Start: 173 @20960 has 4 MA's), (Start: 199 @21002 has 1 MA's), (223, 21047), (320, 21263), (347, 21308), (353, 21317), (391, 21407), (393, 21410), (430, 21503), (491, 21605), (514, 21674), (609, 21863), (613, 21875), (614, 21878), (622, 21899), (667, 21995), (668, 21998), (670, 22004), (696, 22073), (699, 22091), (701, 22100), (714, 22130), (753, 22226), (764, 22259), (769, 22274), (780, 22304), (815, 22415), (837, 22472), (879, 22583),

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

Candidate Starts for Binglebops_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 205

Candidate Starts for BilboSwaggins_24:

(Start: 144 @19746 has 125 MA's), (Start: 205 @19830 has 48 MA's), (Start: 244 @19908 has 1 MA's), (279, 19995), (284, 20010), (300, 20058), (317, 20097), (359, 20184), (372, 20217), (388, 20253), (400, 20283), (402, 20289), (437, 20358), (495, 20388), (498, 20400), (499, 20403), (520, 20460), (589, 20592), (591, 20598), (614, 20664), (616, 20670), (625, 20694), (648, 20742), (662, 20766), (664, 20775), (688, 20850), (752, 20901), (758, 20916), (809, 21078), (817, 21105), (826, 21135), (868, 21240), (897, 21318), (904, 21354), (907, 21363), (916, 21396), (923, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 150

Candidate Starts for BillDoor_20:

(Start: 140 @15362 has 9 MA's), (Start: 150 @15365 has 625 MA's), (222, 15467), (230, 15479), (274, 15575), (300, 15659), (351, 15749), (375, 15809), (387, 15836), (400, 15866), (401, 15869), (430, 15938), (458, 15971), (462, 15983), (465, 15986), (474, 16007), (476, 16010), (500, 16076), (504, 16088), (606, 16253), (668, 16403), (673, 16418), (678, 16436), (699, 16493), (769, 16634), (771, 16640), (777, 16652), (786, 16661), (814, 16733), (815, 16736), (817, 16742), (821, 16754), (861, 16847), (864, 16859), (867, 16868), (879, 16901),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 152

Candidate Starts for BillKnuckles_28:

(Start: 152 @21817 has 219 MA's), (Start: 173 @21838 has 4 MA's), (Start: 199 @21880 has 1 MA's), (223, 21925), (320, 22141), (347, 22186), (353, 22195), (367, 22234), (391, 22285), (403, 22318), (491, 22483), (514, 22552), (613, 22753), (614, 22756), (622, 22777), (667, 22873), (668, 22876), (670, 22882), (696, 22951), (699, 22969), (701, 22978), (714, 23008), (753, 23104), (764, 23137), (769, 23152), (815, 23293), (837, 23350), (879, 23461),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 139

Candidate Starts for Bipolar_16:

(Start: 139 @14807 has 218 MA's), (207, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (282, 15068), (284, 15074), (289, 15092), (300, 15122), (353, 15227), (375, 15287), (384, 15308), (388, 15317), (398, 15341), (425, 15416), (427, 15419), (493, 15467), (497, 15482), (499, 15488), (512, 15524), (513, 15527), (516, 15539), (520, 15545), (543, 15593), (550, 15605), (554, 15611), (587, 15671), (592, 15683), (606, 15719), (609, 15731), (610, 15734), (645, 15806), (648, 15815), (660,

15833), (662, 15839), (670, 15869), (751, 15974), (752, 15983), (753, 15986), (765, 16022), (792, 16100), (820, 16199), (826, 16220), (843, 16253), (864, 16313), (867, 16322), (869, 16328), (878, 16343), (879, 16346), (883, 16370), (894, 16400), (899, 16412), (904, 16442), (916, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 85

Candidate Starts for Bipper_24:

(Start: 85 @19740 has 5 MA's), (103, 19785), (187, 19884), (208, 19920), (223, 19950), (237, 19974), (261, 20025), (263, 20028), (297, 20127), (298, 20130), (363, 20268), (373, 20289), (387, 20319), (391, 20325), (405, 20364), (430, 20430), (460, 20472), (467, 20487), (487, 20529), (501, 20565), (504, 20574), (510, 20592), (545, 20652), (550, 20658), (552, 20661), (570, 20691), (587, 20724), (589, 20727), (601, 20754), (622, 20820), (719, 21069), (796, 21216), (819, 21288), (837, 21333), (852, 21357), (854, 21363), (894, 21471), (917, 21561), (919, 21564),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 152

Candidate Starts for Bircsak_27:

(Start: 152 @21589 has 219 MA's), (Start: 173 @21610 has 4 MA's), (Start: 199 @21652 has 1 MA's), (223, 21697), (320, 21913), (347, 21958), (353, 21967), (391, 22057), (393, 22060), (401, 22084), (491, 22255), (514, 22324), (613, 22525), (614, 22528), (622, 22549), (667, 22645), (668, 22648), (670, 22654), (696, 22723), (699, 22741), (701, 22750), (714, 22780), (753, 22876), (764, 22909), (769, 22924), (815, 23065), (837, 23122), (879, 23233),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 119

Candidate Starts for Birdsong_19:

(Start: 119 @16293 has 25 MA's), (Start: 128 @16305 has 8 MA's), (Start: 129 @16308 has 1 MA's), (204, 16410), (223, 16446), (255, 16512), (332, 16656), (337, 16665), (347, 16683), (363, 16725), (367, 16731), (378, 16755), (387, 16779), (407, 16830), (409, 16836), (419, 16866), (456, 16908), (466, 16929), (468, 16935), (480, 16959), (500, 17010), (501, 17013), (512, 17043), (609, 17193), (622, 17229), (676, 17355), (699, 17421), (701, 17430), (704, 17442), (707, 17451), (759, 17544), (765, 17565), (769, 17577), (771, 17583), (774, 17589), (777, 17595), (804, 17649), (815, 17679), (844, 17748), (877, 17835), (879, 17841), (893, 17892), (916, 17979), (925, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 140

Candidate Starts for Biskit_19:

(120, 15350), (Start: 140 @15377 has 9 MA's), (Start: 150 @15380 has 625 MA's), (274, 15590), (347, 15758), (351, 15764), (397, 15872), (400, 15881), (409, 15908), (419, 15938), (430, 15953), (458, 15986), (462, 15998), (480, 16034), (500, 16091), (504, 16103), (606, 16268), (668, 16418), (673, 16433), (678, 16451), (699, 16508), (765, 16637), (769, 16649), (777, 16667), (786, 16676), (814, 16748), (815, 16751), (817, 16757), (821, 16769), (864, 16874), (867, 16883), (879, 16916),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 105

Candidate Starts for Bizzy_35:

(Start: 105 @29879 has 84 MA's), (Start: 129 @29915 has 1 MA's), (220, 30044), (226, 30053), (272, 30149), (275, 30158), (296, 30227), (320, 30278), (347, 30323), (355, 30338), (361, 30356), (391, 30419), (407, 30464), (410, 30473), (476, 30584), (480, 30593), (487, 30608), (490, 30617), (495, 30632), (504, 30662), (631, 30884), (641, 30902), (647, 30917), (667, 30959), (668, 30962), (676, 30989), (723, 31109), (815, 31313), (816, 31316), (834, 31364), (852, 31391), (860, 31418), (877, 31472), (883, 31499),

Gene: Bjaner7_17 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for Bjaner7_17:

(79, 14616), (Start: 165 @14751 has 39 MA's), (271, 14940), (272, 14943), (299, 15018), (330, 15072), (363, 15141), (368, 15153), (403, 15231), (404, 15234), (467, 15366), (495, 15420), (511, 15471), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (659, 15744), (668, 15783),

(700, 15879), (758, 15987), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: Blackflame_27 Start: 21133, Stop: 22914, Start Num: 173

Candidate Starts for Blackflame_27:

(Start: 152 @21112 has 219 MA's), (Start: 173 @21133 has 4 MA's), (Start: 199 @21175 has 1 MA's), (223, 21220), (320, 21436), (347, 21481), (353, 21490), (367, 21529), (391, 21580), (393, 21583), (430, 21676), (491, 21778), (514, 21847), (613, 22048), (614, 22051), (622, 22072), (667, 22168), (668, 22171), (670, 22177), (696, 22246), (699, 22264), (701, 22273), (714, 22303), (753, 22399), (764, 22432), (769, 22447), (815, 22588), (837, 22645), (879, 22756),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Blackmoor_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 155

Candidate Starts for Blarby_20:

(Start: 155 @14264 has 12 MA's), (212, 14345), (230, 14375), (246, 14408), (275, 14474), (286, 14513), (289, 14525), (298, 14549), (328, 14606), (330, 14609), (347, 14639), (348, 14642), (367, 14687), (375, 14705), (393, 14741), (407, 14783), (480, 14915), (486, 14927), (487, 14930), (490, 14939), (500, 14972), (504, 14984), (513, 15008), (668, 15281), (672, 15293), (695, 15338), (699, 15359), (814, 15599), (815, 15602), (816, 15605), (879, 15767), (884, 15791), (902, 15851), (919, 15914),

Gene: BlessJoy_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for BlessJoy_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (805, 21390), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: Blessor_27 Start: 21541, Stop: 23322, Start Num: 173

Candidate Starts for Blessor_27:

(Start: 152 @21520 has 219 MA's), (Start: 173 @21541 has 4 MA's), (Start: 199 @21583 has 1 MA's), (320, 21844), (347, 21889), (353, 21898), (391, 21988), (393, 21991), (430, 22084), (491, 22186), (514, 22255), (609, 22444), (613, 22456), (614, 22459), (622, 22480), (667, 22576), (668, 22579), (670, 22585), (696, 22654), (699, 22672), (701, 22681), (714, 22711), (753, 22807), (764, 22840), (769, 22855), (815, 22996), (837, 23053), (879, 23164), (925, 23317),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 121

Candidate Starts for Blessica_57:

(Start: 115 @33779 has 20 MA's), (Start: 121 @33788 has 44 MA's), (191, 33878), (248, 33995), (266, 34031), (275, 34052), (282, 34079), (284, 34085), (294, 34115), (302, 34139), (327, 34190), (388, 34328), (392, 34334), (409, 34385), (410, 34388), (415, 34406), (493, 34457), (499, 34478), (500, 34481), (516, 34529), (520, 34535), (543, 34583), (544, 34589), (550, 34595), (573, 34655), (587, 34679), (589, 34682), (606, 34727), (610, 34742), (613, 34751), (616, 34760), (634, 34805), (648, 34823), (664, 34856), (753, 34994), (761, 35015), (782, 35081), (793, 35111), (807, 35165), (820, 35207), (826, 35228), (836, 35249), (843, 35261), (855, 35282), (869, 35336), (897, 35414), (904,

35450), (910, 35471), (917, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 139

Candidate Starts for Blexus_16:

(Start: 139 @14994 has 218 MA's), (207, 15081), (Start: 233 @15126 has 2 MA's), (242, 15150), (266, 15207), (282, 15255), (284, 15261), (289, 15279), (300, 15309), (353, 15414), (375, 15474), (384, 15495), (388, 15504), (398, 15528), (493, 15654), (497, 15669), (499, 15675), (512, 15711), (513, 15714), (516, 15726), (520, 15732), (543, 15780), (550, 15792), (554, 15798), (587, 15858), (592, 15870), (606, 15906), (609, 15918), (645, 15993), (648, 16002), (660, 16020), (662, 16026), (670, 16056), (751, 16161), (753, 16173), (765, 16209), (792, 16287), (820, 16386), (826, 16407), (843, 16440), (858, 16470), (864, 16500), (867, 16509), (869, 16515), (878, 16530), (879, 16533), (882, 16554), (883, 16557), (899, 16599), (904, 16629), (916, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 177

Candidate Starts for BlingBling_19:

(Start: 141 @16614 has 4 MA's), (Start: 177 @16650 has 46 MA's), (237, 16752), (273, 16830), (274, 16833), (316, 16929), (338, 16968), (377, 17049), (400, 17103), (405, 17118), (495, 17289), (504, 17319), (617, 17502), (627, 17526), (628, 17529), (655, 17577), (687, 17670), (695, 17682), (705, 17727), (713, 17742), (765, 17874), (766, 17877), (810, 17976), (817, 17994), (837, 18045), (868, 18111), (889, 18174), (894, 18186),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 150

Candidate Starts for Blinn1_31:

(102, 19976), (Start: 130 @20018 has 8 MA's), (Start: 150 @20042 has 625 MA's), (245, 20180), (273, 20240), (283, 20276), (284, 20279), (319, 20351), (320, 20354), (353, 20408), (355, 20414), (375, 20465), (401, 20525), (403, 20531), (415, 20570), (445, 20612), (467, 20651), (487, 20693), (491, 20696), (509, 20756), (624, 20993), (631, 21008), (668, 21089), (698, 21176), (714, 21221), (769, 21347), (790, 21407), (801, 21446), (802, 21449), (805, 21461), (837, 21545), (877, 21650), (879, 21656), (916, 21791),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 177

Candidate Starts for Blino_19:

(Start: 141 @16582 has 4 MA's), (Start: 177 @16618 has 46 MA's), (237, 16720), (273, 16798), (274, 16801), (316, 16897), (338, 16936), (377, 17017), (400, 17071), (405, 17086), (495, 17257), (504, 17287), (617, 17470), (627, 17494), (655, 17545), (687, 17638), (695, 17650), (705, 17695), (713, 17710), (765, 17842), (766, 17845), (810, 17944), (817, 17962), (837, 18013), (866, 18073), (868, 18079), (889, 18142), (894, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Blizzard_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Blondies_19 Start: 15360, Stop: 17060, Start Num: 140

Candidate Starts for Blondies_19:

(120, 15333), (Start: 140 @15360 has 9 MA's), (Start: 150 @15363 has 625 MA's), (274, 15573), (347, 15741), (351, 15747), (375, 15807), (397, 15855), (400, 15864), (409, 15891), (419, 15921), (430, 15936), (458, 15969), (462, 15981), (480, 16017), (500, 16074), (504, 16086), (606, 16251), (668, 16401), (673, 16416), (678, 16434), (699, 16491), (765, 16620), (769, 16632), (777, 16650), (786,

16659), (814, 16731), (815, 16734), (817, 16740), (821, 16752), (864, 16857), (867, 16866), (879, 16899),

Gene: BloominB_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for BloominB_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 152

Candidate Starts for BluSpix_27:

(Start: 152 @21113 has 219 MA's), (Start: 173 @21134 has 4 MA's), (Start: 199 @21176 has 1 MA's), (223, 21221), (320, 21437), (347, 21482), (353, 21491), (391, 21581), (393, 21584), (430, 21677), (491, 21779), (514, 21848), (613, 22049), (614, 22052), (622, 22073), (667, 22169), (668, 22172), (670, 22178), (696, 22247), (699, 22265), (701, 22274), (714, 22304), (753, 22400), (764, 22433), (769, 22448), (815, 22589), (837, 22646), (879, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for Blue_27:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (391, 22053), (393, 22056), (430, 22149), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 150

Candidate Starts for Blue7_31:

(102, 19897), (Start: 130 @19939 has 8 MA's), (Start: 150 @19963 has 625 MA's), (284, 20200), (319, 20272), (320, 20275), (330, 20290), (353, 20329), (355, 20335), (401, 20446), (403, 20452), (415, 20491), (445, 20533), (467, 20572), (487, 20614), (491, 20617), (562, 20773), (624, 20914), (631, 20929), (714, 21142), (761, 21241), (769, 21268), (788, 21319), (790, 21328), (801, 21367), (805, 21382), (837, 21466), (877, 21571), (879, 21577), (916, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for BlueBird_28:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500, 20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753, 21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 139

Candidate Starts for BlueCrab_16:

(Start: 139 @14976 has 218 MA's), (207, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (282, 15237), (284, 15243), (289, 15261), (300, 15291), (353, 15396), (375, 15456), (384, 15477), (388, 15486), (398, 15510), (493, 15636), (497, 15651), (499, 15657), (512, 15693), (513, 15696), (516, 15708), (520, 15714), (543, 15762), (550, 15774), (554, 15780), (587, 15840), (592, 15852), (606,

15888), (609, 15900), (645, 15975), (648, 15984), (660, 16002), (662, 16008), (670, 16038), (751, 16143), (752, 16152), (753, 16155), (765, 16191), (792, 16269), (820, 16368), (826, 16389), (843, 16422), (858, 16452), (864, 16482), (867, 16491), (869, 16497), (878, 16512), (879, 16515), (882, 16536), (883, 16539), (899, 16581), (904, 16611), (916, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 160

Candidate Starts for BlueNGold_100:

(Start: 160 @60020 has 22 MA's), (Start: 178 @60035 has 2 MA's), (Start: 180 @60038 has 1 MA's), (197, 60065), (230, 60122), (246, 60158), (264, 60191), (275, 60221), (276, 60224), (300, 60293), (307, 60299), (387, 60464), (404, 60506), (407, 60515), (410, 60524), (413, 60536), (485, 60656), (581, 60809), (609, 60869), (673, 61016), (676, 61037), (680, 61052), (706, 61130), (708, 61136), (777, 61253), (792, 61268), (810, 61325), (821, 61355), (834, 61388), (884, 61508), (923, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 177

Candidate Starts for Blueberry_21:

(Start: 141 @16926 has 4 MA's), (Start: 177 @16962 has 46 MA's), (Start: 185 @16971 has 2 MA's), (237, 17067), (273, 17145), (299, 17217), (316, 17244), (338, 17283), (377, 17364), (400, 17418), (495, 17604), (504, 17634), (580, 17733), (617, 17817), (627, 17841), (655, 17892), (687, 17985), (695, 17997), (705, 18042), (713, 18057), (765, 18189), (766, 18192), (810, 18291), (817, 18309), (837, 18360), (866, 18420), (868, 18426), (894, 18501),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 150

Candidate Starts for Bluefalcon_23:

(Start: 150 @19814 has 625 MA's), (245, 19952), (284, 20051), (320, 20126), (351, 20177), (381, 20249), (387, 20264), (401, 20297), (403, 20303), (455, 20396), (500, 20498), (509, 20528), (513, 20534), (562, 20624), (580, 20654), (609, 20726), (613, 20738), (614, 20741), (631, 20780), (640, 20798), (667, 20858), (668, 20861), (686, 20912), (699, 20954), (752, 21095), (766, 21137), (879, 21455), (916, 21590),

Gene: Bluvara_19 Start: 16498, Stop: 18231, Start Num: 148

Candidate Starts for Bluvara_19:

(Start: 148 @16498 has 18 MA's), (216, 16597), (221, 16606), (252, 16672), (264, 16696), (283, 16756), (284, 16759), (293, 16786), (371, 16966), (382, 16990), (388, 17002), (398, 17026), (493, 17152), (497, 17167), (500, 17176), (513, 17212), (520, 17230), (634, 17482), (645, 17491), (662, 17524), (752, 17668), (767, 17713), (800, 17815), (803, 17824), (807, 17842), (808, 17845), (864, 18004), (870, 18022), (878, 18058), (880, 18073), (897, 18121), (914, 18190),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 152

Candidate Starts for Bob3_26:

(Start: 152 @20673 has 219 MA's), (Start: 173 @20694 has 4 MA's), (Start: 199 @20736 has 1 MA's), (223, 20781), (320, 20997), (347, 21042), (353, 21051), (367, 21090), (391, 21141), (393, 21144), (491, 21339), (514, 21408), (613, 21609), (614, 21612), (622, 21633), (667, 21729), (668, 21732), (670, 21738), (696, 21807), (699, 21825), (701, 21834), (714, 21864), (753, 21960), (764, 21993), (769, 22008), (815, 22149), (837, 22206), (879, 22317),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 105

Candidate Starts for BobBob_32:

(97, 29733), (Start: 105 @29751 has 84 MA's), (Start: 129 @29787 has 1 MA's), (226, 29925), (272, 30021), (275, 30030), (296, 30099), (320, 30150), (347, 30195), (355, 30210), (391, 30291), (407, 30336), (410, 30345), (466, 30435), (480, 30465), (487, 30480), (495, 30504), (504, 30534), (585, 30639), (631, 30756), (641, 30774), (647, 30789), (664, 30819), (667, 30831), (668, 30834), (676, 30861), (815, 31185), (816, 31188), (834, 31236), (852, 31263), (860, 31290), (877, 31344), (883, 31371), (925, 31509),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 130

Candidate Starts for BobSwaget_31:

(Start: 130 @21794 has 8 MA's), (Start: 150 @21818 has 625 MA's), (266, 22001), (283, 22052), (284, 22055), (319, 22127), (320, 22130), (353, 22184), (367, 22223), (401, 22301), (445, 22388), (487, 22469), (491, 22472), (504, 22514), (580, 22658), (608, 22721), (614, 22745), (631, 22784), (668, 22865), (714, 22997), (764, 23108), (769, 23123), (771, 23129), (790, 23183), (801, 23222), (805, 23237), (817, 23270), (837, 23321), (868, 23399), (877, 23426), (879, 23432), (894, 23486),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 139

Candidate Starts for BobaPhett_16:

(Start: 139 @14804 has 218 MA's), (207, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (266, 15017), (282, 15065), (284, 15071), (289, 15089), (300, 15119), (353, 15224), (371, 15278), (375, 15284), (379, 15293), (388, 15314), (398, 15338), (410, 15374), (411, 15380), (425, 15413), (427, 15416), (441, 15425), (467, 15440), (474, 15446), (493, 15464), (497, 15479), (499, 15485), (505, 15503), (506, 15506), (512, 15521), (516, 15536), (520, 15542), (543, 15590), (550, 15602), (554, 15608), (587, 15668), (592, 15680), (606, 15716), (609, 15728), (645, 15803), (648, 15812), (660, 15830), (662, 15836), (670, 15866), (751, 15971), (753, 15983), (765, 16019), (792, 16097), (826, 16217), (843, 16250), (858, 16280), (860, 16292), (864, 16310), (866, 16316), (867, 16319), (869, 16325), (878, 16340), (879, 16343), (882, 16364), (883, 16367), (899, 16409), (904, 16439), (916, 16481), (917, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 138

Candidate Starts for Bobby_38:

(Start: 138 @28176 has 76 MA's), (Start: 205 @28266 has 48 MA's), (230, 28314), (242, 28344), (255, 28371), (292, 28473), (301, 28503), (322, 28554), (347, 28602), (360, 28638), (362, 28644), (372, 28665), (402, 28737), (405, 28746), (411, 28767), (499, 28875), (500, 28878), (505, 28893), (520, 28932), (543, 28980), (550, 28992), (554, 28998), (572, 29046), (577, 29055), (589, 29076), (597, 29094), (612, 29142), (660, 29244), (680, 29316), (698, 29361), (700, 29373), (710, 29508), (711, 29514), (712, 29538), (739, 29610), (750, 29637), (828, 29886),

Gene: BobbyDazzler_23 Start: 16907, Stop: 18019, Start Num: 417

Candidate Starts for BobbyDazzler_23:

(Start: 168 @16379 has 10 MA's), (Start: 181 @16394 has 32 MA's), (220, 16463), (241, 16499), (320, 16685), (383, 16814), (401, 16856), (410, 16883), (Start: 417 @16907 has 1 MA's), (430, 16925), (458, 16955), (465, 16970), (491, 17021), (520, 17105), (608, 17222), (614, 17246), (667, 17360), (682, 17408), (696, 17438), (704, 17477), (708, 17489), (743, 17519), (769, 17597), (831, 17744), (844, 17768), (860, 17804), (871, 17843), (923, 18011),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 139

Candidate Starts for Bobi_18:

(Start: 139 @15396 has 218 MA's), (207, 15483), (Start: 233 @15528 has 2 MA's), (242, 15552), (282, 15657), (284, 15663), (289, 15681), (300, 15711), (353, 15816), (375, 15876), (384, 15897), (388, 15906), (398, 15930), (493, 16056), (497, 16071), (499, 16077), (512, 16113), (513, 16116), (516, 16128), (520, 16134), (543, 16182), (550, 16194), (554, 16200), (587, 16260), (592, 16272), (606, 16308), (609, 16320), (645, 16395), (648, 16404), (660, 16422), (662, 16428), (670, 16458), (751, 16563), (752, 16572), (753, 16575), (765, 16611), (792, 16689), (820, 16788), (826, 16809), (843, 16842), (858, 16872), (864, 16902), (867, 16911), (869, 16917), (878, 16932), (879, 16935), (883, 16959), (894, 16989), (899, 17001), (904, 17031), (916, 17073),

Gene: Bobquesha_25 Start: 18364, Stop: 20154, Start Num: 115

Candidate Starts for Bobquesha_25:

(Start: 96 @18328 has 3 MA's), (Start: 112 @18358 has 26 MA's), (Start: 115 @18364 has 20 MA's), (Start: 118 @18367 has 149 MA's), (Start: 181 @18424 has 32 MA's), (208, 18472), (230, 18511), (237, 18526), (245, 18544), (261, 18577), (274, 18607), (287, 18652), (294, 18670), (325, 18742), (330, 18748), (347, 18778), (348, 18781), (375, 18844), (381, 18856), (433, 18991), (465, 19039), (467, 19045), (476, 19063), (492, 19093), (504, 19132), (589, 19258), (609, 19318), (610, 19321), (623, 19354), (685, 19522), (701, 19576), (719, 19621), (744, 19666), (753, 19690), (764, 19723), (777, 19756), (786, 19765), (810, 19828), (815, 19840), (834, 19891), (837, 19897), (882, 19999), (917, 20125), (929, 20146),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 174

Candidate Starts for Bock_22:

(Start: 106 @17278 has 2 MA's), (Start: 174 @17353 has 18 MA's), (230, 17446), (237, 17461), (241, 17467), (274, 17542), (295, 17614), (348, 17725), (367, 17770), (375, 17788), (381, 17800), (429, 17920), (465, 17971), (468, 17980), (470, 17986), (487, 18019), (510, 18082), (535, 18133), (568, 18157), (587, 18181), (613, 18256), (628, 18295), (681, 18427), (722, 18541), (764, 18628), (814, 18742), (817, 18751), (864, 18856), (895, 18943), (929, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 139

Candidate Starts for BodEinwohner17_16:

(Start: 139 @14976 has 218 MA's), (207, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (282, 15237), (284, 15243), (289, 15261), (300, 15291), (353, 15396), (375, 15456), (384, 15477), (388, 15486), (398, 15510), (493, 15636), (497, 15651), (499, 15657), (512, 15693), (513, 15696), (516, 15708), (520, 15714), (543, 15762), (550, 15774), (554, 15780), (587, 15840), (592, 15852), (606, 15888), (609, 15900), (645, 15975), (648, 15984), (660, 16002), (662, 16008), (670, 16038), (751, 16143), (753, 16155), (765, 16191), (792, 16269), (820, 16368), (826, 16389), (843, 16422), (858, 16452), (864, 16482), (867, 16491), (869, 16497), (878, 16512), (879, 16515), (882, 16536), (883, 16539), (899, 16581), (904, 16611), (916, 16653),

Gene: Bogg_24 Start: 18730, Stop: 20325, Start Num: 205

Candidate Starts for Bogg_24:

(Start: 144 @18646 has 125 MA's), (Start: 205 @18730 has 48 MA's), (Start: 244 @18808 has 1 MA's), (279, 18895), (284, 18910), (300, 18958), (317, 18997), (359, 19084), (372, 19117), (388, 19153), (400, 19183), (402, 19189), (437, 19258), (495, 19288), (498, 19300), (499, 19303), (520, 19360), (589, 19492), (591, 19498), (614, 19564), (616, 19570), (625, 19594), (648, 19642), (662, 19666), (664, 19675), (688, 19750), (752, 19801), (758, 19816), (809, 19978), (817, 20005), (826, 20035), (868, 20140), (897, 20218), (904, 20254), (907, 20263), (916, 20296), (923, 20311),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 116

Candidate Starts for Bogie_18:

(Start: 116 @16084 has 3 MA's), (Start: 134 @16108 has 48 MA's), (184, 16168), (195, 16189), (197, 16192), (259, 16312), (274, 16351), (283, 16384), (292, 16408), (342, 16528), (359, 16567), (360, 16573), (396, 16657), (398, 16663), (402, 16675), (410, 16699), (420, 16726), (437, 16744), (480, 16783), (493, 16789), (500, 16813), (520, 16867), (526, 16879), (531, 16888), (560, 16948), (597, 17026), (609, 17065), (621, 17098), (648, 17164), (659, 17179), (662, 17188), (668, 17212), (676, 17242), (680, 17254), (763, 17356), (767, 17368), (768, 17371), (770, 17377), (774, 17386), (807, 17494), (836, 17578), (874, 17677), (907, 17785), (923, 17833),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 150

Candidate Starts for BogosyJay_29:

(Start: 130 @21285 has 8 MA's), (Start: 150 @21309 has 625 MA's), (283, 21543), (284, 21546), (319, 21618), (320, 21621), (330, 21636), (353, 21675), (355, 21681), (387, 21759), (401, 21792), (445, 21879), (487, 21960), (491, 21963), (541, 22089), (608, 22212), (610, 22224), (614, 22236), (616, 22242), (631, 22275), (668, 22356), (708, 22482), (734, 22536), (738, 22542), (753, 22584), (757,

22593), (764, 22617), (769, 22632), (778, 22656), (790, 22692), (801, 22731), (805, 22746), (837, 22830), (877, 22935), (879, 22941), (890, 22986), (907, 23043),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 118

Candidate Starts for Boiiii_23:

(Start: 118 @17190 has 149 MA's), (Start: 144 @17220 has 125 MA's), (245, 17379), (261, 17412), (274, 17442), (283, 17475), (287, 17487), (325, 17577), (351, 17619), (381, 17691), (385, 17700), (401, 17739), (415, 17784), (424, 17805), (426, 17808), (459, 17862), (467, 17880), (487, 17922), (492, 17928), (500, 17955), (589, 18093), (598, 18111), (609, 18153), (615, 18171), (628, 18201), (643, 18228), (685, 18333), (753, 18492), (765, 18528), (777, 18558), (786, 18567), (815, 18642), (834, 18693), (907, 18888), (917, 18927), (919, 18930), (929, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 118

Candidate Starts for Boilgate_20:

(Start: 112 @17559 has 26 MA's), (Start: 115 @17565 has 20 MA's), (Start: 118 @17568 has 149 MA's), (187, 17631), (208, 17667), (237, 17721), (261, 17772), (274, 17802), (323, 17931), (325, 17937), (330, 17943), (347, 17973), (375, 18039), (381, 18051), (459, 18222), (467, 18240), (492, 18288), (500, 18315), (504, 18327), (513, 18351), (589, 18453), (590, 18456), (609, 18513), (616, 18534), (623, 18549), (637, 18588), (665, 18657), (685, 18717), (722, 18825), (744, 18861), (753, 18885), (777, 18951), (786, 18960), (810, 19023), (815, 19035), (837, 19092), (858, 19134), (877, 19170), (904, 19272), (917, 19320), (929, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 138

Candidate Starts for Bombitas_33:

(Start: 138 @26624 has 76 MA's), (Start: 205 @26714 has 48 MA's), (230, 26762), (242, 26792), (255, 26819), (292, 26921), (301, 26951), (347, 27050), (360, 27086), (362, 27092), (372, 27113), (402, 27185), (405, 27194), (411, 27215), (474, 27284), (499, 27323), (500, 27326), (505, 27341), (520, 27380), (543, 27428), (550, 27440), (554, 27446), (572, 27494), (577, 27503), (589, 27524), (597, 27542), (612, 27590), (660, 27692), (676, 27752), (680, 27764), (758, 27848), (762, 27860), (763, 27866), (767, 27878), (768, 27881), (781, 27920), (789, 27938), (799, 27974), (800, 27980), (826, 28067), (863, 28157), (880, 28199), (885, 28217), (895, 28247), (905, 28289), (923, 28343),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Bombshell_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 150

Candidate Starts for Bonamassa_24:

(Start: 150 @19658 has 625 MA's), (230, 19763), (245, 19796), (284, 19895), (320, 19970), (330, 19985), (351, 20021), (381, 20093), (387, 20108), (403, 20147), (411, 20174), (419, 20195), (453, 20234), (509, 20372), (513, 20378), (587, 20513), (609, 20570), (610, 20573), (613, 20582), (631, 20624), (640, 20642), (667, 20702), (668, 20705), (699, 20798), (701, 20807), (708, 20831), (752, 20939), (764, 20975), (837, 21185), (876, 21287), (879, 21296), (910, 21410), (916, 21431), (919, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 168

Candidate Starts for Bonanza_23:

(Start: 168 @16308 has 10 MA's), (Start: 181 @16323 has 32 MA's), (220, 16392), (241, 16428), (320, 16614), (383, 16743), (401, 16785), (410, 16812), (Start: 417 @16836 has 1 MA's), (430, 16854), (458, 16884), (465, 16899), (491, 16950), (520, 17034), (608, 17151), (614, 17175), (667, 17289), (682, 17337), (696, 17367), (704, 17406), (708, 17418), (743, 17448), (769, 17526), (831, 17673), (844, 17697), (860, 17733), (871, 17772), (923, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 152

Candidate Starts for Bones_27:

(Start: 152 @21039 has 219 MA's), (Start: 173 @21060 has 4 MA's), (Start: 199 @21102 has 1 MA's), (223, 21147), (320, 21363), (347, 21408), (353, 21417), (391, 21507), (393, 21510), (491, 21705), (514, 21774), (609, 21963), (613, 21975), (614, 21978), (622, 21999), (667, 22095), (668, 22098), (670, 22104), (696, 22173), (699, 22191), (701, 22200), (714, 22230), (753, 22326), (764, 22359), (769, 22374), (815, 22515), (837, 22572), (879, 22683), (925, 22836),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 162

Candidate Starts for Bonum_44:

(Start: 162 @30146 has 92 MA's), (237, 30260), (275, 30344), (363, 30527), (398, 30593), (403, 30608), (412, 30632), (461, 30719), (475, 30749), (477, 30752), (501, 30809), (531, 30881), (603, 30986), (648, 31073), (666, 31121), (706, 31247), (733, 31283), (797, 31394), (821, 31469), (894, 31646), (904, 31688), (923, 31745),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 150

Candidate Starts for Boohoo_30:

(102, 19030), (Start: 130 @19072 has 8 MA's), (Start: 150 @19096 has 625 MA's), (245, 19234), (272, 19291), (284, 19333), (300, 19369), (320, 19408), (357, 19477), (367, 19501), (393, 19555), (467, 19705), (491, 19750), (500, 19780), (513, 19816), (536, 19867), (561, 19903), (587, 19951), (610, 20011), (667, 20140), (696, 20218), (769, 20419), (771, 20425), (802, 20521), (866, 20686), (897, 20785),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 139

Candidate Starts for Boomer_17:

(Start: 139 @14621 has 218 MA's), (207, 14708), (Start: 233 @14753 has 2 MA's), (242, 14777), (266, 14834), (282, 14882), (284, 14888), (289, 14906), (300, 14936), (353, 15041), (371, 15095), (375, 15101), (379, 15110), (384, 15122), (388, 15131), (398, 15155), (410, 15191), (411, 15197), (415, 15209), (425, 15230), (427, 15233), (441, 15242), (467, 15257), (474, 15263), (493, 15281), (497, 15296), (499, 15302), (505, 15320), (506, 15323), (512, 15338), (516, 15353), (520, 15359), (534, 15389), (543, 15407), (550, 15419), (554, 15425), (587, 15485), (592, 15497), (606, 15533), (609, 15545), (616, 15566), (645, 15620), (648, 15629), (662, 15653), (670, 15683), (751, 15788), (753, 15800), (765, 15836), (779, 15875), (792, 15914), (820, 16013), (826, 16034), (843, 16067), (858, 16097), (864, 16127), (867, 16136), (869, 16142), (878, 16157), (879, 16160), (882, 16181), (883, 16184), (899, 16226), (904, 16256), (916, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 160

Candidate Starts for Boopy_101:

(Start: 160 @60032 has 22 MA's), (Start: 178 @60047 has 2 MA's), (Start: 180 @60050 has 1 MA's), (197, 60077), (230, 60134), (246, 60170), (264, 60203), (275, 60233), (276, 60236), (300, 60305), (307, 60311), (387, 60476), (404, 60518), (407, 60527), (410, 60536), (413, 60548), (485, 60668), (581, 60821), (609, 60881), (673, 61028), (676, 61049), (680, 61064), (706, 61142), (708, 61148), (777, 61265), (792, 61280), (810, 61337), (821, 61367), (834, 61400), (884, 61520), (923, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 115

Candidate Starts for BoostSeason_19:

(Start: 96 @15003 has 3 MA's), (Start: 112 @15033 has 26 MA's), (Start: 115 @15039 has 20 MA's), (Start: 138 @15054 has 76 MA's), (Start: 181 @15096 has 32 MA's), (208, 15144), (230, 15183), (237, 15198), (261, 15249), (274, 15279), (283, 15312), (287, 15324), (294, 15342), (325, 15414), (330, 15420), (375, 15516), (381, 15528), (416, 15624), (467, 15717), (487, 15759), (492, 15765), (504, 15804), (513, 15828), (516, 15840), (589, 15930), (593, 15939), (610, 15993), (622, 16023), (667, 16134), (685, 16185), (722, 16293), (777, 16407), (786, 16416), (815, 16491), (834, 16542), (837, 16548), (880, 16644), (898, 16698), (917, 16779), (929, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 121

Candidate Starts for Bora_54:

(Start: 115 @33136 has 20 MA's), (Start: 121 @33145 has 44 MA's), (191, 33235), (248, 33352), (266, 33388), (275, 33409), (282, 33436), (284, 33442), (294, 33472), (302, 33496), (327, 33547), (388, 33685), (392, 33691), (409, 33742), (410, 33745), (415, 33763), (493, 33814), (499, 33835), (500, 33838), (516, 33886), (520, 33892), (543, 33940), (544, 33946), (550, 33952), (573, 34012), (587, 34036), (589, 34039), (606, 34084), (610, 34099), (613, 34108), (616, 34117), (634, 34162), (648, 34180), (664, 34213), (753, 34351), (761, 34372), (782, 34438), (793, 34468), (807, 34522), (820, 34564), (826, 34585), (836, 34606), (843, 34618), (855, 34639), (869, 34693), (897, 34771), (904, 34807), (910, 34828), (917, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Bosection6_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for Bosnia_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: BotCity_20 Start: 16426, Stop: 18123, Start Num: 150

Candidate Starts for BotCity_20:

(120, 16387), (Start: 150 @16426 has 625 MA's), (Start: 160 @16438 has 22 MA's), (213, 16516), (226, 16537), (249, 16585), (255, 16594), (273, 16636), (283, 16672), (305, 16729), (315, 16750), (330, 16777), (345, 16804), (405, 16945), (430, 17002), (455, 17029), (458, 17035), (480, 17083), (492, 17113), (503, 17149), (513, 17176), (514, 17179), (540, 17230), (581, 17257), (582, 17260), (596, 17287), (606, 17314), (633, 17386), (659, 17425), (677, 17479), (695, 17521), (720, 17596), (757, 17659), (765, 17686), (771, 17704), (810, 17788), (814, 17797), (815, 17800), (817, 17806), (822, 17821), (835, 17851), (838, 17857), (852, 17878), (853, 17881), (868, 17935), (879, 17965), (880, 17974), (896, 18025), (904, 18058), (908, 18070), (913, 18088),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 146

Candidate Starts for Bowser_19:

(76, 16501), (120, 16585), (Start: 129 @16597 has 1 MA's), (Start: 146 @16618 has 7 MA's), (279, 16855), (289, 16888), (391, 17101), (415, 17173), (443, 17215), (466, 17251), (480, 17281), (490, 17305), (503, 17347), (513, 17374), (514, 17377), (565, 17431), (568, 17437), (609, 17524), (724, 17815), (728, 17818), (771, 17926), (815, 18022), (821, 18040), (852, 18100), (868, 18157), (880,

18196), (881, 18199), (884, 18211), (905, 18286), (913, 18313),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 150

Candidate Starts for Bowtie_28:

(102, 20689), (Start: 130 @20731 has 8 MA's), (Start: 150 @20755 has 625 MA's), (Start: 193 @20797 has 3 MA's), (245, 20893), (253, 20908), (283, 20989), (284, 20992), (320, 21067), (330, 21082), (353, 21121), (355, 21127), (401, 21238), (403, 21244), (445, 21325), (491, 21409), (541, 21535), (552, 21553), (568, 21580), (631, 21721), (664, 21787), (667, 21799), (668, 21802), (707, 21925), (734, 21991), (747, 22018), (757, 22048), (758, 22051), (764, 22072), (769, 22087), (778, 22111), (801, 22186), (805, 22201), (837, 22285), (877, 22390), (879, 22396), (894, 22450), (925, 22549),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 162

Candidate Starts for BoyNamedSue_19:

(Start: 162 @17776 has 92 MA's), (312, 18034), (320, 18052), (323, 18055), (355, 18109), (386, 18184), (411, 18253), (414, 18262), (419, 18274), (424, 18286), (446, 18325), (462, 18352), (467, 18361), (468, 18364), (526, 18397), (568, 18454), (603, 18520), (646, 18631), (667, 18691), (700, 18793), (722, 18850), (770, 18940), (868, 19180), (891, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 119

Candidate Starts for Bradissa_20:

(Start: 104 @17689 has 1 MA's), (Start: 119 @17713 has 25 MA's), (Start: 162 @17761 has 92 MA's), (201, 17818), (224, 17860), (320, 18049), (387, 18196), (391, 18202), (407, 18247), (483, 18385), (512, 18460), (667, 18742), (674, 18763), (699, 18838), (744, 18925), (759, 18961), (769, 18994), (771, 19000), (804, 19066), (815, 19096), (877, 19252), (879, 19258), (882, 19276), (914, 19387),

Gene: Bradman_27 Start: 19074, Stop: 20864, Start Num: 150

Candidate Starts for Bradman_27:

(102, 19008), (Start: 130 @19050 has 8 MA's), (Start: 150 @19074 has 625 MA's), (245, 19212), (253, 19227), (283, 19308), (284, 19311), (319, 19383), (320, 19386), (353, 19440), (355, 19446), (361, 19464), (387, 19524), (401, 19557), (403, 19563), (415, 19602), (445, 19644), (487, 19725), (491, 19728), (509, 19788), (580, 19914), (613, 19998), (631, 20040), (660, 20091), (668, 20121), (708, 20247), (740, 20310), (764, 20382), (769, 20397), (778, 20421), (801, 20496), (805, 20511), (837, 20595), (877, 20700), (879, 20706), (882, 20724), (890, 20751), (894, 20760),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Bradshaw_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 128

Candidate Starts for Bran_17:

(Start: 128 @16323 has 8 MA's), (143, 16344), (206, 16428), (220, 16455), (223, 16461), (281, 16593), (305, 16644), (320, 16677), (335, 16701), (391, 16821), (403, 16854), (409, 16872), (439, 16926), (467, 16971), (495, 17028), (498, 17040), (512, 17079), (568, 17139), (582, 17160), (587, 17169), (609, 17226), (650, 17316), (692, 17424), (706, 17478), (708, 17484), (718, 17502), (772, 17598), (787, 17619), (805, 17664), (866, 17823), (872, 17838), (878, 17853), (880, 17865), (923, 18009),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 105

Candidate Starts for Brandonk123_36:

(97, 30799), (Start: 105 @30817 has 84 MA's), (Start: 129 @30853 has 1 MA's), (226, 30991), (272, 31087), (275, 31096), (296, 31165), (320, 31216), (347, 31261), (355, 31276), (391, 31357), (407, 31402), (410, 31411), (466, 31501), (480, 31531), (487, 31546), (495, 31570), (504, 31600), (631, 31822), (641, 31840), (647, 31855), (664, 31885), (667, 31897), (668, 31900), (676, 31927), (815, 32251), (816, 32254), (834, 32302), (852, 32329), (860, 32356), (877, 32410), (883, 32437), (925, 32575),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 168

Candidate Starts for Braxoaddie_45:

(Start: 168 @31342 has 10 MA's), (Start: 177 @31351 has 46 MA's), (212, 31405), (230, 31429), (237, 31432), (365, 31702), (398, 31765), (403, 31780), (469, 31897), (477, 31912), (501, 31969), (504, 31978), (519, 32020), (531, 32041), (551, 32071), (597, 32128), (630, 32203), (673, 32299), (706, 32404), (707, 32407), (724, 32434), (771, 32512), (797, 32551), (858, 32707), (884, 32773),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 150

Candidate Starts for BreSam8_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344), (668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Brewer_24 Start: 20078, Stop: 21673, Start Num: 205

Candidate Starts for Brewer_24:

(Start: 144 @19994 has 125 MA's), (Start: 205 @20078 has 48 MA's), (Start: 244 @20156 has 1 MA's), (279, 20243), (284, 20258), (300, 20306), (317, 20345), (359, 20432), (372, 20465), (388, 20501), (400, 20531), (402, 20537), (437, 20606), (495, 20636), (498, 20648), (499, 20651), (520, 20708), (589, 20840), (591, 20846), (614, 20912), (616, 20918), (625, 20942), (648, 20990), (662, 21014), (664, 21023), (688, 21098), (752, 21149), (758, 21164), (809, 21326), (817, 21353), (826, 21383), (868, 21488), (897, 21566), (904, 21602), (907, 21611), (916, 21644), (923, 21659),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 104

Candidate Starts for BritBrat_20:

(Start: 104 @17542 has 1 MA's), (Start: 119 @17566 has 25 MA's), (201, 17671), (224, 17713), (266, 17788), (320, 17902), (387, 18049), (391, 18055), (407, 18100), (483, 18238), (512, 18313), (667, 18595), (674, 18616), (699, 18691), (744, 18778), (759, 18814), (769, 18847), (771, 18853), (804, 18919), (815, 18949), (877, 19105), (879, 19111), (882, 19129), (914, 19240),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 152

Candidate Starts for Briton15_29:

(Start: 152 @21386 has 219 MA's), (Start: 173 @21407 has 4 MA's), (Start: 199 @21449 has 1 MA's), (223, 21494), (320, 21710), (347, 21755), (353, 21764), (367, 21803), (391, 21854), (393, 21857), (430, 21950), (491, 22052), (514, 22121), (609, 22310), (613, 22322), (614, 22325), (622, 22346), (667, 22442), (668, 22445), (670, 22451), (696, 22520), (699, 22538), (701, 22547), (714, 22577), (753, 22673), (764, 22706), (769, 22721), (815, 22862), (837, 22919), (879, 23030),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 139

Candidate Starts for Brocalys_16:

(Start: 139 @14792 has 218 MA's), (207, 14879), (Start: 233 @14924 has 2 MA's), (242, 14948), (282, 15053), (284, 15059), (289, 15077), (300, 15107), (353, 15212), (375, 15272), (384, 15293), (388, 15302), (398, 15326), (493, 15452), (497, 15467), (499, 15473), (512, 15509), (513, 15512), (516, 15524), (520, 15530), (543, 15578), (550, 15590), (554, 15596), (587, 15656), (592, 15668), (606, 15704), (609, 15716), (645, 15791), (648, 15800), (660, 15818), (662, 15824), (670, 15854), (751,

15959), (752, 15968), (753, 15971), (765, 16007), (792, 16085), (820, 16184), (826, 16205), (843, 16238), (858, 16268), (864, 16298), (867, 16307), (869, 16313), (878, 16328), (879, 16331), (883, 16355), (894, 16385), (899, 16397), (904, 16427), (916, 16469),

Gene: BronnyJames_28 Start: 23259, Stop: 24992, Start Num: 138

Candidate Starts for BronnyJames_28:

(Start: 138 @23259 has 76 MA's), (Start: 205 @23349 has 48 MA's), (207, 23352), (255, 23454), (279, 23520), (292, 23556), (301, 23586), (308, 23601), (347, 23685), (360, 23721), (372, 23748), (390, 23787), (402, 23820), (405, 23829), (427, 23886), (479, 23928), (515, 24003), (520, 24015), (550, 24075), (572, 24129), (589, 24159), (597, 24177), (602, 24186), (610, 24219), (614, 24231), (616, 24237), (631, 24276), (662, 24333), (758, 24483), (763, 24501), (778, 24543), (787, 24567), (788, 24570), (792, 24585), (800, 24615), (809, 24645), (826, 24702), (885, 24852), (919, 24972), (923, 24978),

Gene: BronnyJr_19 Start: 16231, Stop: 17967, Start Num: 134

Candidate Starts for BronnyJr_19:

(Start: 134 @16231 has 48 MA's), (195, 16312), (197, 16315), (227, 16366), (255, 16429), (259, 16435), (274, 16474), (283, 16507), (292, 16531), (342, 16651), (351, 16666), (359, 16690), (360, 16696), (396, 16780), (410, 16822), (425, 16861), (437, 16867), (480, 16906), (493, 16912), (500, 16936), (520, 16990), (531, 17011), (560, 17071), (597, 17149), (609, 17188), (621, 17221), (648, 17287), (662, 17311), (668, 17335), (676, 17365), (680, 17377), (763, 17479), (807, 17617), (836, 17701), (874, 17800), (894, 17857), (907, 17908), (923, 17956),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 139

Candidate Starts for Brookers_17:

(Start: 139 @14663 has 218 MA's), (207, 14750), (Start: 233 @14795 has 2 MA's), (242, 14819), (282, 14924), (284, 14930), (289, 14948), (300, 14978), (353, 15083), (375, 15143), (384, 15164), (388, 15173), (398, 15197), (425, 15272), (427, 15275), (493, 15323), (497, 15338), (499, 15344), (512, 15380), (513, 15383), (516, 15395), (520, 15401), (543, 15449), (550, 15461), (554, 15467), (587, 15527), (592, 15539), (606, 15575), (609, 15587), (645, 15662), (648, 15671), (660, 15689), (662, 15695), (670, 15725), (751, 15830), (752, 15839), (753, 15842), (765, 15878), (792, 15956), (820, 16055), (826, 16076), (843, 16109), (858, 16139), (864, 16169), (867, 16178), (869, 16184), (878, 16199), (879, 16202), (883, 16226), (894, 16256), (899, 16268), (904, 16298), (916, 16340),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Broseidon_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for BruceB_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 205

Candidate Starts for Bruin_24:

(Start: 144 @19769 has 125 MA's), (Start: 205 @19853 has 48 MA's), (Start: 244 @19931 has 1 MA's), (279, 20018), (284, 20033), (300, 20081), (317, 20120), (359, 20207), (372, 20240), (388, 20276), (400, 20306), (402, 20312), (437, 20381), (495, 20411), (498, 20423), (499, 20426), (520, 20483), (589, 20615), (591, 20621), (614, 20687), (616, 20693), (625, 20717), (648, 20765), (662, 20789), (664, 20798), (688, 20873), (752, 20924), (758, 20939), (809, 21101), (817, 21128), (826, 21158), (868, 21263), (897, 21341), (904, 21377), (907, 21386), (916, 21419), (923, 21434),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Bruiser_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 148

Candidate Starts for Brujita_19:

(Start: 148 @16495 has 18 MA's), (216, 16594), (221, 16603), (252, 16669), (264, 16693), (283, 16753), (284, 16756), (293, 16783), (371, 16963), (382, 16987), (388, 16999), (398, 17023), (493, 17149), (497, 17164), (500, 17173), (513, 17209), (520, 17227), (550, 17287), (609, 17413), (634, 17479), (645, 17488), (648, 17497), (662, 17521), (752, 17665), (767, 17710), (800, 17812), (803, 17821), (807, 17839), (808, 17842), (864, 18001), (870, 18019), (878, 18055), (880, 18070), (897, 18118), (914, 18187),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 152

Candidate Starts for Bruns_26:

(Start: 152 @21014 has 219 MA's), (Start: 173 @21035 has 4 MA's), (Start: 199 @21077 has 1 MA's), (223, 21122), (320, 21338), (347, 21383), (353, 21392), (391, 21482), (393, 21485), (401, 21509), (430, 21578), (491, 21680), (514, 21749), (609, 21938), (613, 21950), (614, 21953), (622, 21974), (667, 22070), (668, 22073), (670, 22079), (696, 22148), (699, 22166), (701, 22175), (714, 22205), (753, 22301), (764, 22334), (769, 22349), (815, 22490), (837, 22547), (879, 22658),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Brusacoram_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Brushbloom_17 Start: 14687, Stop: 16396, Start Num: 139

Candidate Starts for Brushbloom_17:

(Start: 139 @14687 has 218 MA's), (207, 14774), (Start: 233 @14819 has 2 MA's), (242, 14843), (282, 14948), (284, 14954), (289, 14972), (300, 15002), (353, 15107), (375, 15167), (384, 15188), (388, 15197), (398, 15221), (493, 15347), (497, 15362), (499, 15368), (512, 15404), (513, 15407), (516, 15419), (520, 15425), (543, 15473), (550, 15485), (554, 15491), (587, 15551), (592, 15563), (606, 15599), (609, 15611), (645, 15686), (648, 15695), (660, 15713), (662, 15719), (670, 15749), (751, 15854), (752, 15863), (753, 15866), (765, 15902), (792, 15980), (820, 16079), (826, 16100), (843, 16133), (858, 16163), (864, 16193), (867, 16202), (869, 16208), (878, 16223), (879, 16226), (883,

16250), (894, 16280), (899, 16292), (904, 16322), (916, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 160

Candidate Starts for BrutonGaster_36:

(Start: 160 @25954 has 22 MA's), (202, 26014), (207, 26023), (216, 26047), (270, 26164), (272, 26170), (289, 26236), (308, 26284), (351, 26371), (354, 26377), (370, 26425), (372, 26428), (392, 26470), (497, 26575), (520, 26638), (523, 26644), (534, 26668), (609, 26830), (644, 26920), (680, 27028), (688, 27046), (751, 27088), (764, 27133), (766, 27139), (789, 27199), (817, 27298), (821, 27310), (824, 27319), (897, 27511), (905, 27550), (915, 27586), (930, 27634),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 181

Candidate Starts for Bryce_23:

(Start: 168 @16308 has 10 MA's), (Start: 181 @16323 has 32 MA's), (Start: 205 @16365 has 48 MA's), (220, 16392), (241, 16428), (320, 16614), (383, 16743), (401, 16785), (410, 16812), (Start: 417 @16836 has 1 MA's), (430, 16854), (458, 16884), (465, 16899), (491, 16950), (520, 17034), (608, 17151), (614, 17175), (667, 17289), (682, 17337), (696, 17367), (704, 17406), (708, 17418), (743, 17448), (769, 17526), (831, 17673), (844, 17697), (860, 17733), (871, 17772), (923, 17940),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 118

Candidate Starts for Bryler_22:

(Start: 112 @16341 has 26 MA's), (Start: 118 @16350 has 149 MA's), (Start: 144 @16380 has 125 MA's), (230, 16506), (237, 16521), (245, 16539), (261, 16572), (274, 16602), (287, 16647), (325, 16737), (347, 16773), (381, 16851), (385, 16860), (415, 16944), (419, 16953), (424, 16965), (426, 16968), (433, 16986), (449, 17007), (459, 17022), (465, 17034), (467, 17040), (487, 17082), (492, 17088), (598, 17271), (615, 17331), (660, 17415), (665, 17433), (685, 17493), (707, 17568), (719, 17592), (753, 17652), (764, 17685), (765, 17688), (771, 17706), (786, 17727), (815, 17802), (834, 17853), (837, 17859), (849, 17880), (880, 17952), (897, 18003), (917, 18087), (919, 18090), (929, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 174

Candidate Starts for Brylie_22:

(Start: 106 @17269 has 2 MA's), (Start: 174 @17344 has 18 MA's), (230, 17437), (237, 17452), (241, 17458), (274, 17533), (295, 17605), (348, 17716), (367, 17761), (375, 17779), (381, 17791), (465, 17962), (468, 17971), (470, 17977), (487, 18010), (510, 18073), (535, 18124), (568, 18148), (587, 18172), (613, 18247), (628, 18286), (681, 18418), (722, 18532), (764, 18619), (814, 18733), (817, 18742), (864, 18847), (895, 18934), (929, 19042),

Gene: Bubble_18 Start: 15732, Stop: 17429, Start Num: 150

Candidate Starts for Bubble_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for BubbleTrouble_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162),

(787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 139

Candidate Starts for Bubbles123_17:

(Start: 139 @15521 has 218 MA's), (207, 15608), (Start: 233 @15653 has 2 MA's), (242, 15677), (282, 15782), (284, 15788), (289, 15806), (300, 15836), (353, 15941), (375, 16001), (384, 16022), (388, 16031), (398, 16055), (493, 16181), (497, 16196), (499, 16202), (512, 16238), (513, 16241), (516, 16253), (520, 16259), (543, 16307), (550, 16319), (554, 16325), (587, 16385), (592, 16397), (606, 16433), (609, 16445), (645, 16520), (648, 16529), (660, 16547), (662, 16553), (670, 16583), (751, 16688), (752, 16697), (753, 16700), (765, 16736), (792, 16814), (820, 16913), (826, 16934), (843, 16967), (858, 16997), (864, 17027), (867, 17036), (869, 17042), (878, 17057), (879, 17060), (883, 17084), (894, 17114), (899, 17126), (904, 17156), (916, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 144

Candidate Starts for Buck_23:

(Start: 144 @19702 has 125 MA's), (Start: 205 @19786 has 48 MA's), (Start: 244 @19864 has 1 MA's), (279, 19951), (284, 19966), (300, 20014), (317, 20053), (359, 20140), (372, 20173), (388, 20209), (400, 20239), (402, 20245), (437, 20314), (495, 20344), (498, 20356), (499, 20359), (520, 20416), (589, 20548), (591, 20554), (614, 20620), (616, 20626), (625, 20650), (648, 20698), (662, 20722), (664, 20731), (688, 20806), (752, 20857), (758, 20872), (809, 21034), (817, 21061), (826, 21091), (868, 21196), (897, 21274), (904, 21310), (907, 21319), (916, 21352), (923, 21367),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 150

Candidate Starts for Bud_28:

(102, 20695), (Start: 130 @20737 has 8 MA's), (Start: 150 @20761 has 625 MA's), (Start: 193 @20803 has 3 MA's), (245, 20899), (253, 20914), (283, 20995), (284, 20998), (320, 21073), (330, 21088), (353, 21127), (355, 21133), (375, 21184), (401, 21244), (403, 21250), (445, 21331), (491, 21415), (541, 21541), (552, 21559), (568, 21586), (631, 21727), (664, 21793), (667, 21805), (668, 21808), (734, 21997), (747, 22024), (751, 22033), (757, 22054), (758, 22057), (764, 22078), (769, 22093), (778, 22117), (801, 22192), (805, 22207), (837, 22291), (877, 22396), (879, 22402), (894, 22456), (925, 22555),

Gene: Budgie_26 Start: 19221, Stop: 20816, Start Num: 205

Candidate Starts for Budgie_26:

(Start: 144 @19137 has 125 MA's), (Start: 205 @19221 has 48 MA's), (Start: 244 @19299 has 1 MA's), (279, 19386), (284, 19401), (300, 19449), (317, 19488), (359, 19575), (364, 19593), (388, 19644), (400, 19674), (402, 19680), (437, 19749), (495, 19779), (498, 19791), (499, 19794), (520, 19851), (589, 19983), (591, 19989), (614, 20055), (616, 20061), (625, 20085), (648, 20133), (662, 20157), (664, 20166), (671, 20187), (688, 20241), (752, 20292), (758, 20307), (809, 20469), (826, 20526), (868, 20631), (897, 20709), (904, 20745), (916, 20787), (923, 20802),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 150

Candidate Starts for Budski_20:

(120, 16382), (Start: 150 @16421 has 625 MA's), (Start: 160 @16433 has 22 MA's), (191, 16472), (213, 16511), (226, 16532), (249, 16580), (255, 16589), (273, 16631), (283, 16667), (305, 16724), (330, 16772), (345, 16799), (405, 16940), (430, 16997), (443, 17015), (455, 17024), (458, 17030), (480, 17078), (492, 17108), (503, 17144), (505, 17150), (513, 17171), (514, 17174), (540, 17225), (581, 17252), (582, 17255), (596, 17282), (606, 17309), (633, 17381), (659, 17420), (677, 17474), (695, 17516), (720, 17591), (757, 17654), (765, 17681), (766, 17684), (771, 17699), (810, 17783), (814, 17792), (815, 17795), (817, 17801), (821, 17813), (822, 17816), (835, 17846), (838, 17852), (852, 17873), (853, 17876), (868, 17930), (879, 17960), (880, 17969), (896, 18020), (904, 18053), (908, 18065), (913, 18083),

Gene: Bugatti_27 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for Bugatti_27:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500, 20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753, 21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 162

Candidate Starts for Buggaboo_42:

(Start: 162 @30625 has 92 MA's), (Start: 174 @30637 has 18 MA's), (237, 30739), (275, 30823), (363, 31006), (398, 31072), (403, 31087), (412, 31111), (461, 31198), (475, 31228), (477, 31231), (501, 31288), (531, 31360), (603, 31465), (648, 31552), (666, 31600), (706, 31726), (733, 31762), (797, 31873), (821, 31948), (894, 32125), (904, 32167), (923, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 205

Candidate Starts for BugsBunny_22:

(Start: 144 @19335 has 125 MA's), (Start: 205 @19419 has 48 MA's), (Start: 244 @19497 has 1 MA's), (279, 19584), (284, 19599), (300, 19647), (317, 19686), (359, 19773), (372, 19806), (388, 19842), (400, 19872), (402, 19878), (437, 19947), (495, 19977), (498, 19989), (499, 19992), (520, 20049), (589, 20181), (591, 20187), (614, 20253), (616, 20259), (625, 20283), (648, 20331), (662, 20355), (664, 20364), (688, 20439), (752, 20490), (758, 20505), (809, 20667), (817, 20694), (826, 20724), (868, 20829), (897, 20907), (904, 20943), (907, 20952), (916, 20985), (923, 21000),

Gene: Bugsy_30 Start: 20696, Stop: 22468, Start Num: 150

Candidate Starts for Bugsy_30:

(Start: 130 @20672 has 8 MA's), (Start: 150 @20696 has 625 MA's), (226, 20795), (266, 20879), (283, 20930), (284, 20933), (319, 21005), (320, 21008), (353, 21062), (367, 21101), (401, 21179), (445, 21266), (487, 21347), (491, 21350), (580, 21536), (614, 21623), (664, 21728), (668, 21743), (708, 21869), (714, 21875), (743, 21923), (769, 22001), (771, 22007), (790, 22061), (801, 22100), (805, 22115), (837, 22199), (879, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 150

Candidate Starts for Bumblebee11_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19886 has 1 MA's), (237, 19955), (273, 20033), (279, 20057), (284, 20072), (300, 20108), (320, 20147), (330, 20162), (353, 20201), (393, 20294), (401, 20318), (445, 20405), (500, 20519), (514, 20558), (562, 20645), (587, 20690), (613, 20759), (622, 20783), (627, 20795), (668, 20882), (696, 20957), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (719, 21029), (734, 21062), (752, 21107), (753, 21110), (761, 21131), (837, 21356), (868, 21434), (877, 21461), (879, 21467), (916, 21602),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 148

Candidate Starts for Bunker_19:

(76, 16628), (120, 16712), (Start: 148 @16748 has 18 MA's), (289, 17018), (330, 17102), (415, 17303), (443, 17345), (466, 17381), (480, 17411), (490, 17435), (503, 17477), (513, 17504), (514, 17507), (565, 17561), (568, 17567), (609, 17654), (728, 17948), (758, 18014), (765, 18038), (771, 18056), (815, 18152), (821, 18170), (881, 18329), (905, 18416), (907, 18422), (913, 18443),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 134

Candidate Starts for Bunnies_19:

(Start: 116 @16383 has 3 MA's), (Start: 134 @16407 has 48 MA's), (184, 16467), (195, 16488), (197, 16491), (259, 16611), (274, 16650), (283, 16683), (292, 16707), (342, 16827), (359, 16866), (360,

16872), (396, 16956), (398, 16962), (402, 16974), (410, 16998), (420, 17025), (437, 17043), (480, 17082), (493, 17088), (500, 17112), (520, 17166), (526, 17178), (531, 17187), (560, 17247), (597, 17325), (609, 17364), (621, 17397), (648, 17463), (659, 17478), (662, 17487), (668, 17511), (676, 17541), (680, 17553), (763, 17655), (767, 17667), (768, 17670), (770, 17676), (774, 17685), (807, 17793), (836, 17877), (874, 17976), (907, 18084), (923, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 162

Candidate Starts for Bunnybear_18:

(61, 17559), (63, 17580), (66, 17610), (87, 17664), (Start: 162 @17781 has 92 MA's), (312, 18039), (320, 18057), (323, 18060), (355, 18114), (368, 18153), (386, 18189), (411, 18258), (414, 18267), (446, 18330), (462, 18357), (467, 18366), (468, 18369), (526, 18402), (568, 18459), (575, 18465), (603, 18525), (630, 18603), (642, 18627), (646, 18636), (659, 18660), (667, 18696), (700, 18798), (722, 18855), (753, 18894), (755, 18900), (758, 18906), (770, 18945), (821, 19062), (868, 19185), (891, 19263),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Burger_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 140

Candidate Starts for Burnsey_18:

(120, 15703), (Start: 140 @15730 has 9 MA's), (Start: 150 @15733 has 625 MA's), (274, 15943), (320, 16066), (351, 16117), (387, 16204), (393, 16213), (400, 16234), (405, 16249), (409, 16261), (458, 16339), (462, 16351), (476, 16378), (490, 16411), (500, 16444), (504, 16456), (520, 16498), (606, 16621), (633, 16693), (668, 16771), (673, 16786), (678, 16804), (699, 16861), (753, 16954), (765, 16990), (769, 17002), (771, 17008), (777, 17020), (786, 17029), (814, 17101), (815, 17104), (817, 17110), (821, 17122), (852, 17182), (864, 17227), (867, 17236), (879, 17269), (899, 17335),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 152

Candidate Starts for Burton_28:

(Start: 152 @21234 has 219 MA's), (Start: 173 @21255 has 4 MA's), (Start: 199 @21297 has 1 MA's), (223, 21342), (320, 21558), (347, 21603), (353, 21612), (367, 21651), (391, 21702), (393, 21705), (430, 21798), (491, 21900), (514, 21969), (613, 22170), (614, 22173), (622, 22194), (667, 22290), (668, 22293), (670, 22299), (696, 22368), (699, 22386), (701, 22395), (714, 22425), (753, 22521), (764, 22554), (769, 22569), (815, 22710), (837, 22767), (879, 22878),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 139

Candidate Starts for Burwell21_16:

(Start: 139 @14811 has 218 MA's), (207, 14898), (Start: 233 @14943 has 2 MA's), (242, 14967), (282, 15072), (284, 15078), (289, 15096), (300, 15126), (353, 15231), (371, 15285), (375, 15291), (379, 15300), (388, 15321), (398, 15345), (410, 15381), (411, 15387), (425, 15420), (427, 15423), (441, 15432), (467, 15447), (474, 15453), (493, 15471), (497, 15486), (499, 15492), (505, 15510), (506, 15513), (512, 15528), (516, 15543), (520, 15549), (543, 15597), (550, 15609), (554, 15615), (587, 15675), (592, 15687), (606, 15723), (609, 15735), (645, 15810), (648, 15819), (660, 15837), (662, 15843), (670, 15873), (751, 15978), (753, 15990), (765, 16026), (792, 16104), (826, 16224), (843, 16257), (858, 16287), (860, 16299), (864, 16317), (866, 16323), (867, 16326), (869, 16332), (878, 16347), (879, 16350), (882, 16371), (883, 16374), (899, 16416), (904, 16446), (916, 16488), (917, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 144

Candidate Starts for Butters_18:

(Start: 144 @14956 has 125 MA's), (Start: 169 @14983 has 1 MA's), (Start: 233 @15088 has 2 MA's), (236, 15100), (252, 15136), (274, 15187), (279, 15208), (282, 15217), (284, 15223), (292, 15244), (295, 15256), (371, 15430), (375, 15436), (382, 15454), (388, 15466), (390, 15469), (398, 15490), (425, 15565), (467, 15592), (493, 15616), (494, 15619), (497, 15631), (512, 15673), (516, 15688), (520, 15694), (525, 15703), (543, 15742), (564, 15796), (587, 15820), (609, 15880), (634, 15946), (645, 15955), (648, 15964), (669, 16015), (670, 16018), (751, 16123), (765, 16171), (789, 16237), (808, 16309), (864, 16462), (867, 16471), (878, 16492), (880, 16507), (883, 16519), (897, 16555), (899, 16561),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 150

Candidate Starts for Button_19:

(38, 14367), (120, 14757), (Start: 140 @14784 has 9 MA's), (Start: 150 @14787 has 625 MA's), (245, 14928), (283, 15027), (298, 15072), (387, 15255), (400, 15285), (413, 15327), (430, 15357), (458, 15387), (462, 15399), (465, 15402), (500, 15492), (527, 15558), (533, 15573), (580, 15609), (587, 15624), (596, 15642), (609, 15681), (611, 15687), (649, 15771), (666, 15807), (667, 15810), (668, 15813), (673, 15828), (678, 15846), (679, 15849), (699, 15903), (765, 16032), (769, 16044), (771, 16050), (775, 16059), (786, 16071), (814, 16143), (815, 16146), (816, 16149), (858, 16245), (879, 16314), (880, 16323), (916, 16452), (919, 16461), (923, 16467),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 152

Candidate Starts for Buttons_29:

(Start: 152 @22075 has 219 MA's), (Start: 173 @22096 has 4 MA's), (Start: 199 @22138 has 1 MA's), (223, 22183), (320, 22399), (347, 22444), (353, 22453), (367, 22492), (391, 22543), (393, 22546), (430, 22639), (491, 22741), (514, 22810), (542, 22870), (613, 23011), (614, 23014), (622, 23035), (667, 23131), (668, 23134), (670, 23140), (696, 23209), (699, 23227), (701, 23236), (714, 23266), (753, 23362), (764, 23395), (769, 23410), (815, 23551), (837, 23608), (879, 23719),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 150

Candidate Starts for Buttrmlkdreams_18:

(120, 15332), (Start: 140 @15359 has 9 MA's), (Start: 150 @15362 has 625 MA's), (274, 15572), (347, 15740), (351, 15746), (375, 15806), (397, 15854), (400, 15863), (409, 15890), (419, 15920), (430, 15935), (458, 15968), (462, 15980), (480, 16016), (500, 16073), (504, 16085), (587, 16205), (597, 16226), (606, 16250), (668, 16400), (673, 16415), (678, 16433), (699, 16490), (765, 16619), (769, 16631), (777, 16649), (786, 16658), (814, 16730), (815, 16733), (817, 16739), (821, 16751), (864, 16856), (867, 16865), (879, 16898),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 150

Candidate Starts for BuzzBuzz_28:

(Start: 150 @20463 has 625 MA's), (Start: 199 @20520 has 1 MA's), (208, 20535), (226, 20568), (237, 20589), (Start: 244 @20604 has 1 MA's), (279, 20691), (283, 20703), (284, 20706), (320, 20781), (330, 20796), (351, 20832), (445, 21039), (500, 21153), (514, 21192), (562, 21279), (613, 21393), (622, 21417), (631, 21435), (668, 21516), (696, 21591), (699, 21609), (708, 21642), (714, 21648), (727, 21687), (752, 21741), (753, 21744), (761, 21765), (780, 21822), (837, 21990), (877, 22095), (879, 22101), (916, 22236),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 139

Candidate Starts for BuzzLyseyear_18:

(Start: 139 @15198 has 218 MA's), (207, 15285), (Start: 233 @15330 has 2 MA's), (242, 15354), (282, 15459), (284, 15465), (289, 15483), (300, 15513), (353, 15618), (375, 15678), (384, 15699), (388, 15708), (398, 15732), (493, 15858), (497, 15873), (499, 15879), (505, 15897), (506, 15900), (512,

15915), (516, 15930), (520, 15936), (543, 15984), (550, 15996), (554, 16002), (587, 16062), (592, 16074), (606, 16110), (609, 16122), (645, 16197), (648, 16206), (660, 16224), (662, 16230), (670, 16260), (751, 16365), (753, 16377), (765, 16413), (792, 16491), (826, 16611), (843, 16644), (858, 16674), (860, 16686), (864, 16704), (866, 16710), (867, 16713), (869, 16719), (878, 16734), (879, 16737), (882, 16758), (883, 16761), (899, 16803), (904, 16833), (916, 16875), (917, 16881),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 152

Candidate Starts for Bxb1_25:

(Start: 152 @21185 has 219 MA's), (Start: 173 @21206 has 4 MA's), (Start: 199 @21248 has 1 MA's), (223, 21293), (320, 21509), (347, 21554), (353, 21563), (367, 21602), (391, 21653), (393, 21656), (491, 21851), (514, 21920), (613, 22121), (614, 22124), (622, 22145), (667, 22241), (668, 22244), (670, 22250), (696, 22319), (699, 22337), (701, 22346), (714, 22376), (753, 22472), (764, 22505), (769, 22520), (815, 22661), (837, 22718), (879, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 150

Candidate Starts for Bxz2_28:

(Start: 150 @20473 has 625 MA's), (Start: 199 @20530 has 1 MA's), (208, 20545), (226, 20578), (237, 20599), (Start: 244 @20614 has 1 MA's), (279, 20701), (283, 20713), (284, 20716), (320, 20791), (330, 20806), (351, 20842), (445, 21049), (500, 21163), (514, 21202), (562, 21289), (613, 21403), (622, 21427), (631, 21445), (668, 21526), (696, 21601), (699, 21619), (708, 21652), (714, 21658), (727, 21697), (752, 21751), (753, 21754), (761, 21775), (780, 21832), (837, 22000), (877, 22105), (879, 22111), (916, 22246),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 139

Candidate Starts for ByChance_16:

(Start: 139 @14817 has 218 MA's), (207, 14904), (Start: 233 @14949 has 2 MA's), (242, 14973), (282, 15078), (284, 15084), (289, 15102), (300, 15132), (353, 15237), (375, 15297), (384, 15318), (388, 15327), (398, 15351), (425, 15426), (427, 15429), (493, 15477), (497, 15492), (499, 15498), (512, 15534), (516, 15549), (520, 15555), (543, 15603), (550, 15615), (554, 15621), (587, 15681), (592, 15693), (606, 15729), (609, 15741), (645, 15816), (648, 15825), (660, 15843), (662, 15849), (670, 15879), (751, 15984), (753, 15996), (765, 16032), (792, 16110), (826, 16230), (843, 16263), (858, 16293), (864, 16323), (867, 16332), (869, 16338), (878, 16353), (879, 16356), (883, 16380), (894, 16410), (899, 16422), (904, 16452), (916, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 139

Candidate Starts for Byougenkin_16:

(Start: 139 @14826 has 218 MA's), (207, 14913), (Start: 233 @14958 has 2 MA's), (242, 14982), (282, 15087), (284, 15093), (289, 15111), (300, 15141), (353, 15246), (375, 15306), (384, 15327), (388, 15336), (396, 15354), (398, 15360), (493, 15486), (497, 15501), (499, 15507), (512, 15543), (513, 15546), (516, 15558), (520, 15564), (543, 15612), (550, 15624), (554, 15630), (587, 15690), (592, 15702), (606, 15738), (609, 15750), (645, 15825), (648, 15834), (660, 15852), (662, 15858), (670, 15888), (751, 15993), (752, 16002), (753, 16005), (765, 16041), (789, 16107), (792, 16119), (820, 16218), (826, 16239), (843, 16272), (858, 16302), (864, 16332), (867, 16341), (869, 16347), (878, 16362), (879, 16365), (883, 16389), (899, 16431), (904, 16461), (916, 16503), (917, 16509),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 150

Candidate Starts for C3_26:

(102, 20126), (Start: 130 @20168 has 8 MA's), (Start: 150 @20192 has 625 MA's), (283, 20426), (284, 20429), (319, 20501), (320, 20504), (330, 20519), (353, 20558), (355, 20564), (401, 20675), (407, 20693), (411, 20708), (445, 20762), (487, 20843), (491, 20846), (562, 21002), (580, 21032), (616, 21125), (668, 21239), (708, 21365), (764, 21500), (769, 21515), (778, 21539), (801, 21614), (802, 21617), (805, 21629), (837, 21713), (868, 21791), (877, 21818), (879, 21824), (890, 21869), (894, 21878), (916, 21959),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 165

Candidate Starts for C3PO_31:

(Start: 165 @28482 has 39 MA's), (241, 28581), (273, 28650), (284, 28689), (354, 28824), (378, 28884), (464, 29037), (469, 29049), (473, 29058), (475, 29061), (496, 29106), (501, 29121), (504, 29130), (507, 29139), (531, 29193), (539, 29211), (586, 29265), (681, 29481), (718, 29574), (783, 29682), (805, 29736), (833, 29811), (884, 29940), (922, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for CLED96_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 150

Candidate Starts for CRB1_28:

(Start: 130 @20159 has 8 MA's), (Start: 150 @20183 has 625 MA's), (226, 20282), (283, 20417), (284, 20420), (319, 20492), (320, 20495), (353, 20549), (355, 20555), (367, 20588), (401, 20666), (445, 20753), (487, 20834), (491, 20837), (580, 21023), (614, 21110), (664, 21215), (668, 21230), (708, 21356), (714, 21362), (743, 21410), (764, 21473), (769, 21488), (771, 21494), (781, 21524), (790, 21548), (801, 21587), (805, 21602), (837, 21686),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for CREW_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 139

Candidate Starts for Cabrinians_16:

(Start: 139 @14807 has 218 MA's), (207, 14894), (Start: 233 @14939 has 2 MA's), (242, 14963), (282, 15068), (284, 15074), (289, 15092), (300, 15122), (353, 15227), (375, 15287), (384, 15308), (388, 15317), (398, 15341), (425, 15416), (427, 15419), (493, 15467), (497, 15482), (499, 15488), (512, 15524), (513, 15527), (516, 15539), (520, 15545), (543, 15593), (550, 15605), (554, 15611), (587, 15671), (592, 15683), (606, 15719), (609, 15731), (645, 15806), (648, 15815), (660, 15833), (662, 15839), (670, 15869), (751, 15974), (753, 15986), (765, 16022), (792, 16100), (826, 16220), (843, 16253), (858, 16283), (864, 16313), (867, 16322), (869, 16328), (878, 16343), (879, 16346), (883, 16370), (894, 16400), (899, 16412), (904, 16442), (916, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 144

Candidate Starts for Cactus_25:

(Start: 144 @18958 has 125 MA's), (Start: 205 @19042 has 48 MA's), (Start: 244 @19120 has 1 MA's), (279, 19207), (284, 19222), (300, 19270), (317, 19309), (359, 19396), (372, 19429), (388, 19465), (400, 19495), (402, 19501), (437, 19570), (495, 19600), (498, 19612), (499, 19615), (520, 19672), (589, 19804), (591, 19810), (614, 19876), (616, 19882), (625, 19906), (648, 19954), (662, 19978), (664, 19987), (688, 20062), (752, 20113), (758, 20128), (809, 20290), (817, 20317), (826, 20347), (868, 20452), (897, 20530), (904, 20566), (907, 20575), (916, 20608), (923, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for CactusJack_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 152

Candidate Starts for CactusRose_26:

(Start: 152 @21034 has 219 MA's), (Start: 173 @21055 has 4 MA's), (Start: 199 @21097 has 1 MA's), (223, 21142), (320, 21358), (347, 21403), (353, 21412), (391, 21502), (430, 21598), (491, 21700), (514, 21769), (613, 21970), (614, 21973), (622, 21994), (667, 22090), (668, 22093), (670, 22099), (696, 22168), (699, 22186), (701, 22195), (714, 22225), (753, 22321), (764, 22354), (769, 22369), (780, 22399), (815, 22510), (837, 22567), (879, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Caelakin_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 161

Candidate Starts for Cafasso_19:

(Start: 148 @16533 has 18 MA's), (Start: 161 @16548 has 5 MA's), (Start: 167 @16554 has 1 MA's), (188, 16584), (Start: 193 @16593 has 3 MA's), (305, 16827), (320, 16860), (348, 16908), (381, 16983), (400, 17028), (445, 17118), (458, 17133), (481, 17187), (487, 17196), (500, 17229), (512, 17262), (514, 17268), (650, 17502), (660, 17514), (667, 17541), (676, 17574), (692, 17613), (696, 17622), (719, 17694), (746, 17709), (753, 17733), (769, 17781), (809, 17868), (817, 17889), (845, 17955), (868, 18021), (882, 18069), (908, 18159), (925, 18207),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 118

Candidate Starts for Cain_22:

(Start: 112 @16329 has 26 MA's), (Start: 118 @16338 has 149 MA's), (Start: 144 @16368 has 125 MA's), (230, 16494), (237, 16509), (245, 16527), (261, 16560), (274, 16590), (287, 16635), (325, 16725), (347, 16761), (381, 16839), (385, 16848), (415, 16932), (419, 16941), (424, 16953), (426, 16956), (433, 16974), (449, 16995), (459, 17010), (465, 17022), (467, 17028), (487, 17070), (492, 17076), (598, 17259), (615, 17319), (660, 17403), (665, 17421), (685, 17481), (707, 17556), (719, 17580), (753, 17640), (764, 17673), (765, 17676), (771, 17694), (786, 17715), (815, 17790), (834, 17841), (837, 17847), (849, 17868), (880, 17940), (897, 17991), (917, 18075), (919, 18078), (929, 18096),

Gene: Caitlin_23 Start: 18652, Stop: 20442, Start Num: 150

Candidate Starts for Caitlin_23:

(Start: 130 @18628 has 8 MA's), (Start: 150 @18652 has 625 MA's), (222, 18745), (245, 18790), (284, 18889), (300, 18925), (320, 18964), (330, 18979), (351, 19015), (401, 19135), (403, 19141), (467, 19261), (520, 19390), (562, 19462), (613, 19576), (699, 19792), (708, 19825), (753, 19927), (764,

19960), (769, 19975), (780, 20005), (876, 20275), (879, 20284), (880, 20293), (913, 20407),

Gene: CallaLilly_23 Start: 17111, Stop: 18877, Start Num: 118

Candidate Starts for CallaLilly_23:

(Start: 118 @17111 has 149 MA's), (Start: 144 @17141 has 125 MA's), (245, 17300), (261, 17333), (274, 17363), (283, 17396), (287, 17408), (325, 17498), (351, 17540), (381, 17612), (385, 17621), (401, 17660), (415, 17705), (424, 17726), (426, 17729), (459, 17783), (467, 17801), (487, 17843), (492, 17849), (500, 17876), (589, 18014), (598, 18032), (609, 18074), (615, 18092), (628, 18122), (643, 18149), (685, 18254), (753, 18413), (765, 18449), (777, 18479), (786, 18488), (815, 18563), (834, 18614), (907, 18809), (917, 18848), (919, 18851), (929, 18869),

Gene: Calvinny_30 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Calvinny_30:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (608, 21369), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (719, 21660), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 138

Candidate Starts for Cambiare_19:

(Start: 112 @17370 has 26 MA's), (Start: 138 @17379 has 76 MA's), (Start: 167 @17409 has 1 MA's), (208, 17472), (209, 17475), (219, 17493), (237, 17526), (260, 17574), (261, 17577), (320, 17733), (330, 17748), (371, 17838), (393, 17880), (419, 17958), (467, 18054), (476, 18072), (487, 18096), (492, 18102), (504, 18141), (516, 18177), (548, 18222), (589, 18267), (623, 18363), (626, 18372), (660, 18429), (685, 18507), (696, 18534), (703, 18570), (742, 18624), (764, 18687), (775, 18717), (821, 18822), (830, 18846), (852, 18885), (876, 18936), (919, 19092), (921, 19095),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 150

Candidate Starts for Camperdownii_26:

(Start: 130 @19422 has 8 MA's), (Start: 150 @19446 has 625 MA's), (Start: 155 @19452 has 12 MA's), (Start: 199 @19506 has 1 MA's), (208, 19521), (237, 19575), (245, 19593), (279, 19677), (283, 19689), (284, 19692), (320, 19767), (330, 19782), (353, 19821), (401, 19938), (445, 20025), (487, 20106), (505, 20154), (514, 20178), (562, 20265), (587, 20310), (614, 20382), (622, 20403), (631, 20421), (668, 20502), (699, 20595), (701, 20604), (708, 20628), (714, 20634), (722, 20658), (753, 20712), (761, 20733), (778, 20784), (787, 20808), (802, 20862), (837, 20958), (877, 21063), (880, 21078), (911, 21186), (916, 21204),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Camri_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 134

Candidate Starts for Camster_19:

(Start: 116 @16362 has 3 MA's), (Start: 134 @16386 has 48 MA's), (184, 16446), (195, 16467), (197, 16470), (259, 16590), (274, 16629), (283, 16662), (292, 16686), (342, 16806), (359, 16845), (360, 16851), (396, 16935), (398, 16941), (402, 16953), (410, 16977), (420, 17004), (437, 17022), (480,

17061), (493, 17067), (500, 17091), (520, 17145), (526, 17157), (531, 17166), (560, 17226), (597, 17304), (609, 17343), (621, 17376), (648, 17442), (659, 17457), (662, 17466), (668, 17490), (676, 17520), (680, 17532), (763, 17634), (767, 17646), (768, 17649), (770, 17655), (774, 17664), (807, 17772), (836, 17856), (874, 17955), (907, 18063), (923, 18111),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 150

Candidate Starts for Candra_31:

(102, 19946), (Start: 130 @19988 has 8 MA's), (Start: 150 @20012 has 625 MA's), (284, 20249), (319, 20321), (320, 20324), (330, 20339), (353, 20378), (355, 20384), (401, 20495), (403, 20501), (415, 20540), (445, 20582), (467, 20621), (487, 20663), (491, 20666), (562, 20822), (624, 20963), (631, 20978), (668, 21059), (714, 21191), (769, 21317), (788, 21368), (790, 21377), (801, 21416), (802, 21419), (805, 21431), (837, 21515), (877, 21620), (879, 21626), (916, 21761),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 140

Candidate Starts for CanesSauce_18:

(Start: 140 @15395 has 9 MA's), (Start: 150 @15398 has 625 MA's), (222, 15500), (230, 15512), (274, 15608), (300, 15692), (351, 15782), (375, 15842), (387, 15869), (400, 15899), (401, 15902), (430, 15971), (458, 16004), (462, 16016), (465, 16019), (474, 16040), (476, 16043), (500, 16109), (504, 16121), (606, 16286), (668, 16436), (673, 16451), (678, 16469), (699, 16526), (769, 16667), (771, 16673), (777, 16685), (786, 16694), (814, 16766), (815, 16769), (817, 16775), (821, 16787), (864, 16892), (867, 16901), (879, 16934),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Capricorn_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 177

Candidate Starts for CaptainKirk2_19:

(Start: 141 @16638 has 4 MA's), (Start: 177 @16674 has 46 MA's), (237, 16776), (271, 16848), (273, 16854), (274, 16857), (316, 16953), (338, 16992), (377, 17073), (400, 17127), (405, 17142), (459, 17238), (495, 17313), (504, 17343), (617, 17526), (627, 17550), (687, 17694), (695, 17706), (713, 17766), (765, 17898), (766, 17901), (810, 18000), (817, 18018), (837, 18069), (868, 18135), (889, 18198), (894, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 139

Candidate Starts for CaptainTrips_17:

(Start: 139 @15501 has 218 MA's), (207, 15588), (Start: 233 @15633 has 2 MA's), (242, 15657), (248, 15678), (282, 15762), (284, 15768), (289, 15786), (300, 15816), (353, 15921), (375, 15981), (384, 16002), (388, 16011), (396, 16029), (398, 16035), (493, 16161), (497, 16176), (499, 16182), (512, 16218), (513, 16221), (516, 16233), (520, 16239), (543, 16287), (550, 16299), (554, 16305), (587, 16365), (592, 16377), (606, 16413), (609, 16425), (645, 16500), (648, 16509), (660, 16527), (662, 16533), (670, 16563), (751, 16668), (752, 16677), (753, 16680), (765, 16716), (792, 16794), (820, 16893), (826, 16914), (843, 16947), (858, 16977), (864, 17007), (867, 17016), (869, 17022), (878, 17037), (879, 17040), (883, 17064), (894, 17094), (899, 17106), (904, 17136), (916, 17178),

Gene: CaramellLatte_18 Start: 15395, Stop: 17095, Start Num: 140

Candidate Starts for CaramellLatte_18:

(Start: 140 @15395 has 9 MA's), (Start: 150 @15398 has 625 MA's), (222, 15500), (230, 15512), (274, 15608), (300, 15692), (351, 15782), (375, 15842), (387, 15869), (400, 15899), (401, 15902), (430, 15971), (458, 16004), (462, 16016), (465, 16019), (474, 16040), (476, 16043), (500, 16109), (504, 16121), (606, 16286), (668, 16436), (673, 16451), (678, 16469), (699, 16526), (769, 16667), (771, 16673), (777, 16685), (786, 16694), (814, 16766), (815, 16769), (817, 16775), (821, 16787), (864, 16892), (867, 16901), (879, 16934),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 150

Candidate Starts for Caraxes_27:

(102, 18769), (Start: 130 @18811 has 8 MA's), (Start: 150 @18835 has 625 MA's), (Start: 173 @18844 has 4 MA's), (253, 18988), (283, 19069), (284, 19072), (319, 19144), (320, 19147), (330, 19162), (353, 19201), (355, 19207), (401, 19318), (403, 19324), (411, 19351), (445, 19405), (487, 19486), (491, 19489), (562, 19645), (580, 19675), (613, 19759), (631, 19801), (660, 19852), (668, 19882), (708, 20008), (730, 20062), (747, 20089), (751, 20098), (753, 20110), (764, 20143), (769, 20158), (778, 20182), (801, 20257), (802, 20260), (805, 20272), (837, 20356), (877, 20461), (890, 20512), (894, 20521), (916, 20602),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Carcharodon_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 155

Candidate Starts for Cardigan_47:

(Start: 155 @30787 has 12 MA's), (202, 30853), (Start: 205 @30859 has 48 MA's), (234, 30916), (292, 31075), (295, 31087), (354, 31213), (370, 31261), (497, 31411), (515, 31462), (520, 31474), (523, 31480), (592, 31621), (601, 31636), (697, 31903), (787, 32032), (789, 32038), (791, 32047), (809, 32110), (821, 32149), (824, 32158), (846, 32206), (871, 32281), (893, 32341), (905, 32389), (913, 32416), (915, 32425), (916, 32428),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 152

Candidate Starts for Carlyle_29:

(Start: 152 @21914 has 219 MA's), (Start: 173 @21935 has 4 MA's), (Start: 199 @21977 has 1 MA's), (223, 22022), (320, 22238), (347, 22283), (353, 22292), (367, 22331), (391, 22382), (393, 22385), (491, 22580), (514, 22649), (613, 22850), (614, 22853), (622, 22874), (667, 22970), (668, 22973), (670, 22979), (696, 23048), (699, 23066), (714, 23105), (753, 23201), (764, 23234), (769, 23249), (815, 23390), (837, 23447), (879, 23558), (925, 23711),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 177

Candidate Starts for CarolAnn_19:

(Start: 141 @16581 has 4 MA's), (Start: 177 @16617 has 46 MA's), (237, 16719), (273, 16797), (274, 16800), (316, 16896), (338, 16935), (377, 17016), (400, 17070), (405, 17085), (495, 17256), (504, 17286), (617, 17469), (627, 17493), (655, 17544), (687, 17637), (695, 17649), (705, 17694), (713, 17709), (765, 17841), (766, 17844), (810, 17943), (817, 17961), (837, 18012), (866, 18072), (868, 18078), (889, 18141), (894, 18153),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 140

Candidate Starts for Carsonalex_19:

(Start: 140 @15787 has 9 MA's), (Start: 150 @15790 has 625 MA's), (274, 16000), (320, 16123), (351, 16174), (387, 16261), (405, 16306), (409, 16318), (458, 16396), (462, 16408), (476, 16435), (490, 16468), (500, 16501), (504, 16513), (520, 16555), (606, 16678), (633, 16750), (668, 16828), (673, 16843), (678, 16861), (699, 16918), (753, 17011), (765, 17047), (769, 17059), (771, 17065), (777, 17077), (786, 17086), (814, 17158), (815, 17161), (817, 17167), (821, 17179), (852, 17239), (864, 17284), (867, 17293), (879, 17326), (899, 17392),

Gene: CartmannCramer_27 Start: 23195, Stop: 24934, Start Num: 199

Candidate Starts for CartmannCramer_27:

(Start: 152 @23132 has 219 MA's), (Start: 173 @23153 has 4 MA's), (Start: 199 @23195 has 1 MA's), (223, 23240), (320, 23456), (347, 23501), (353, 23510), (367, 23549), (391, 23600), (393, 23603), (491, 23798), (514, 23867), (542, 23927), (613, 24068), (614, 24071), (622, 24092), (667, 24188), (668, 24191), (670, 24197), (696, 24266), (699, 24284), (701, 24293), (714, 24323), (753, 24419), (764, 24452), (769, 24467), (815, 24608), (837, 24665), (879, 24776),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for CaseJules_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 119

Candidate Starts for Cashline_20:

(Start: 104 @17366 has 1 MA's), (Start: 119 @17390 has 25 MA's), (224, 17537), (266, 17612), (320, 17726), (387, 17873), (391, 17879), (483, 18062), (512, 18137), (667, 18419), (674, 18440), (699, 18515), (744, 18602), (759, 18638), (769, 18671), (771, 18677), (804, 18743), (815, 18773), (877, 18929), (879, 18935), (882, 18953), (914, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for CassieYates_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: CatBus_29 Start: 22615, Stop: 24417, Start Num: 152

Candidate Starts for CatBus_29:

(Start: 152 @22615 has 219 MA's), (Start: 173 @22636 has 4 MA's), (Start: 199 @22678 has 1 MA's), (223, 22723), (320, 22939), (347, 22984), (353, 22993), (367, 23032), (391, 23083), (393, 23086), (491, 23281), (514, 23350), (613, 23551), (614, 23554), (622, 23575), (667, 23671), (668, 23674), (670, 23680), (696, 23749), (699, 23767), (701, 23776), (714, 23806), (753, 23902), (764, 23935), (769, 23950), (780, 23980), (815, 24091), (837, 24148), (879, 24259), (925, 24412),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 121

Candidate Starts for Catdawg_56:

(Start: 115 @33515 has 20 MA's), (Start: 121 @33524 has 44 MA's), (191, 33614), (248, 33731), (266, 33767), (275, 33788), (282, 33815), (284, 33821), (302, 33875), (327, 33926), (388, 34064), (392, 34070), (409, 34121), (410, 34124), (415, 34142), (493, 34193), (499, 34214), (500, 34217), (516,

34265), (520, 34271), (543, 34319), (544, 34325), (550, 34331), (573, 34391), (587, 34415), (589, 34418), (606, 34463), (610, 34478), (613, 34487), (616, 34496), (634, 34541), (648, 34559), (664, 34592), (753, 34730), (761, 34751), (782, 34817), (793, 34847), (807, 34901), (820, 34943), (826, 34964), (836, 34985), (843, 34997), (855, 35018), (869, 35072), (897, 35150), (904, 35186), (910, 35207), (917, 35234),

Gene: Catfish_22 Start: 18471, Stop: 19802, Start Num: 267

Candidate Starts for Catfish_22:

(Start: 267 @18471 has 11 MA's), (331, 18603), (350, 18633), (371, 18690), (387, 18723), (412, 18792), (419, 18810), (465, 18891), (531, 18930), (583, 18996), (588, 19005), (600, 19014), (619, 19071), (648, 19116), (659, 19134), (667, 19170), (697, 19251), (704, 19287), (821, 19506), (851, 19566), (880, 19647), (884, 19662), (894, 19692), (898, 19701),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Caviar_28:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Cedasite_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Celestiallunch_28 Start: 19691, Stop: 21481, Start Num: 150

Candidate Starts for Celestiallunch_28:

(102, 19625), (Start: 130 @19667 has 8 MA's), (Start: 150 @19691 has 625 MA's), (253, 19844), (283, 19925), (284, 19928), (319, 20000), (320, 20003), (353, 20057), (355, 20063), (375, 20114), (387, 20141), (391, 20147), (401, 20174), (403, 20180), (415, 20219), (419, 20228), (445, 20261), (487, 20342), (491, 20345), (509, 20405), (563, 20507), (568, 20516), (580, 20531), (608, 20594), (631, 20657), (668, 20738), (708, 20864), (727, 20909), (752, 20963), (753, 20966), (769, 21014), (778, 21038), (801, 21113), (805, 21128), (837, 21212), (877, 21317), (879, 21323), (890, 21368), (917, 21464),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 150

Candidate Starts for Centaur_30:

(Start: 130 @20629 has 8 MA's), (Start: 150 @20653 has 625 MA's), (Start: 244 @20788 has 1 MA's), (283, 20887), (284, 20890), (319, 20962), (320, 20965), (353, 21019), (355, 21025), (381, 21088), (401, 21136), (411, 21169), (445, 21223), (487, 21304), (491, 21307), (500, 21337), (580, 21493), (614, 21580), (668, 21700), (707, 21823), (708, 21826), (714, 21832), (743, 21880), (764, 21943), (769, 21958), (771, 21964), (790, 22018), (801, 22057), (805, 22072), (817, 22105), (834, 22150), (877, 22261), (879, 22267), (894, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for CentreCat_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 139

Candidate Starts for Cerasum_17:

(Start: 139 @14635 has 218 MA's), (207, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (282, 14896), (284, 14902), (289, 14920), (300, 14950), (353, 15055), (375, 15115), (384, 15136), (388, 15145), (398, 15169), (425, 15244), (427, 15247), (493, 15295), (497, 15310), (499, 15316), (512, 15352), (513, 15355), (516, 15367), (520, 15373), (543, 15421), (550, 15433), (554, 15439), (587, 15499), (592, 15511), (606, 15547), (609, 15559), (645, 15634), (648, 15643), (660, 15661), (662, 15667), (670, 15697), (751, 15802), (752, 15811), (753, 15814), (765, 15850), (792, 15928), (820, 16027), (826, 16048), (843, 16081), (858, 16111), (864, 16141), (867, 16150), (869, 16156), (878, 16171), (879, 16174), (883, 16198), (894, 16228), (899, 16240), (904, 16270), (916, 16312),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 150

Candidate Starts for Cerulean_28:

(Start: 130 @20115 has 8 MA's), (Start: 150 @20139 has 625 MA's), (Start: 155 @20145 has 12 MA's), (Start: 199 @20199 has 1 MA's), (208, 20214), (237, 20268), (245, 20286), (279, 20370), (283, 20382), (284, 20385), (320, 20460), (330, 20475), (353, 20514), (401, 20631), (445, 20718), (487, 20799), (505, 20847), (514, 20871), (562, 20958), (587, 21003), (614, 21075), (622, 21096), (631, 21114), (668, 21195), (696, 21270), (699, 21288), (701, 21297), (708, 21321), (714, 21327), (722, 21351), (751, 21393), (753, 21405), (761, 21426), (778, 21477), (787, 21501), (802, 21555), (837, 21651), (877, 21756), (880, 21771), (911, 21879), (916, 21897),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 105

Candidate Starts for ChadMasterC_35:

(97, 31664), (Start: 105 @31682 has 84 MA's), (Start: 129 @31718 has 1 MA's), (226, 31856), (272, 31952), (275, 31961), (296, 32030), (320, 32081), (347, 32126), (391, 32222), (407, 32267), (410, 32276), (466, 32366), (480, 32396), (487, 32411), (495, 32435), (504, 32465), (585, 32570), (631, 32687), (641, 32705), (647, 32720), (664, 32750), (667, 32762), (668, 32765), (676, 32792), (815, 33116), (816, 33119), (834, 33167), (852, 33194), (860, 33221), (877, 33275), (883, 33302), (919, 33431),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 150

Candidate Starts for Chadwick_25:

(Start: 150 @18946 has 625 MA's), (284, 19183), (320, 19258), (330, 19273), (351, 19309), (381, 19381), (387, 19396), (401, 19429), (403, 19435), (500, 19630), (509, 19660), (513, 19666), (562, 19756), (587, 19801), (613, 19870), (631, 19912), (640, 19930), (667, 19990), (668, 19993), (699, 20086), (752, 20227), (764, 20263), (876, 20578), (879, 20587), (916, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 150

Candidate Starts for ChampagnePapi_28:

(Start: 130 @20114 has 8 MA's), (Start: 150 @20138 has 625 MA's), (Start: 155 @20144 has 12 MA's), (Start: 199 @20198 has 1 MA's), (208, 20213), (237, 20267), (245, 20285), (279, 20369), (283, 20381), (284, 20384), (320, 20459), (330, 20474), (353, 20513), (401, 20630), (445, 20717), (487, 20798), (505, 20846), (514, 20870), (562, 20957), (587, 21002), (614, 21074), (622, 21095), (631, 21113), (668, 21194), (696, 21269), (699, 21287), (701, 21296), (708, 21320), (714, 21326), (722, 21350), (751, 21392), (753, 21404), (761, 21425), (778, 21476), (787, 21500), (802, 21554), (837, 21650), (877, 21755), (880, 21770), (911, 21878), (916, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 152

Candidate Starts for Chanagan_26:

(Start: 152 @20699 has 219 MA's), (Start: 173 @20720 has 4 MA's), (Start: 199 @20762 has 1 MA's), (223, 20807), (320, 21023), (347, 21068), (353, 21077), (367, 21116), (391, 21167), (393, 21170), (430, 21263), (491, 21365), (514, 21434), (613, 21635), (614, 21638), (622, 21659), (667, 21755), (668, 21758), (670, 21764), (696, 21833), (699, 21851), (701, 21860), (714, 21890), (753, 21986), (764, 22019), (769, 22034), (815, 22175), (837, 22232), (879, 22343),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Chance64_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 118

Candidate Starts for Chancellor_24:

(Start: 96 @18594 has 3 MA's), (Start: 112 @18624 has 26 MA's), (Start: 115 @18630 has 20 MA's), (Start: 118 @18633 has 149 MA's), (Start: 181 @18690 has 32 MA's), (208, 18738), (230, 18777), (237, 18792), (245, 18810), (261, 18843), (274, 18873), (287, 18918), (294, 18936), (325, 19008), (330, 19014), (347, 19044), (375, 19110), (381, 19122), (433, 19257), (465, 19305), (467, 19311), (476, 19329), (492, 19359), (504, 19398), (589, 19524), (609, 19584), (610, 19587), (616, 19605), (623, 19620), (685, 19788), (701, 19842), (719, 19887), (744, 19932), (753, 19956), (764, 19989), (777, 20022), (810, 20094), (815, 20106), (834, 20157), (837, 20163), (882, 20265), (917, 20391), (929, 20412),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 150

Candidate Starts for Changeling_30:

(Start: 130 @21996 has 8 MA's), (Start: 150 @22020 has 625 MA's), (283, 22254), (284, 22257), (319, 22329), (320, 22332), (353, 22386), (367, 22425), (401, 22503), (445, 22590), (487, 22671), (491, 22674), (580, 22860), (613, 22944), (614, 22947), (631, 22986), (660, 23037), (664, 23052), (668, 23067), (714, 23199), (743, 23247), (761, 23298), (764, 23310), (769, 23325), (771, 23331), (790, 23385), (805, 23439), (837, 23523), (864, 23589), (868, 23601), (877, 23628), (879, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 150

Candidate Starts for Chaph_27:

(Start: 130 @19812 has 8 MA's), (Start: 150 @19836 has 625 MA's), (Start: 199 @19893 has 1 MA's), (230, 19947), (237, 19962), (245, 19980), (279, 20064), (283, 20076), (284, 20079), (320, 20154), (330, 20169), (353, 20208), (401, 20325), (445, 20412), (487, 20493), (505, 20541), (514, 20565), (562, 20652), (587, 20697), (614, 20769), (622, 20790), (631, 20808), (668, 20889), (699, 20982), (701, 20991), (708, 21015), (714, 21021), (722, 21045), (753, 21099), (761, 21120), (778, 21171), (787, 21195), (802, 21249), (837, 21345), (877, 21450), (880, 21465), (911, 21573), (916, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 150

Candidate Starts for Chargerpower_29:

(Start: 148 @19507 has 18 MA's), (Start: 150 @19510 has 625 MA's), (223, 19606), (255, 19666), (268, 19699), (284, 19747), (305, 19789), (319, 19819), (320, 19822), (353, 19876), (355, 19882), (401, 19993), (415, 20038), (419, 20047), (445, 20080), (491, 20164), (509, 20224), (608, 20413), (631, 20476), (708, 20683), (743, 20737), (753, 20767), (757, 20776), (769, 20815), (778, 20839), (801, 20914), (802, 20917), (805, 20929), (877, 21118), (879, 21124), (890, 21169), (916, 21259),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Charlie_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 150

Candidate Starts for Charm_28:

(102, 19634), (Start: 130 @19676 has 8 MA's), (Start: 150 @19700 has 625 MA's), (283, 19934), (284, 19937), (319, 20009), (320, 20012), (332, 20030), (353, 20066), (355, 20072), (375, 20123), (387, 20150), (391, 20156), (401, 20183), (403, 20189), (445, 20270), (487, 20351), (491, 20354), (509, 20414), (608, 20603), (631, 20666), (660, 20717), (668, 20747), (708, 20873), (753, 20975), (757, 20984), (764, 21008), (769, 21023), (778, 21047), (801, 21122), (805, 21137), (837, 21221), (877, 21326), (879, 21332), (894, 21386), (907, 21434),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 105

Candidate Starts for Charming_35:

(97, 30299), (Start: 105 @30317 has 84 MA's), (Start: 129 @30353 has 1 MA's), (226, 30491), (272, 30587), (275, 30596), (296, 30665), (320, 30716), (347, 30761), (355, 30776), (391, 30857), (407, 30902), (410, 30911), (466, 31001), (467, 31004), (480, 31031), (487, 31046), (495, 31070), (504, 31100), (631, 31322), (641, 31340), (647, 31355), (664, 31385), (667, 31397), (668, 31400), (676, 31427), (814, 31748), (815, 31751), (816, 31754), (834, 31802), (852, 31829), (860, 31856), (877, 31910), (882, 31934), (883, 31937), (925, 32075),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 150

Candidate Starts for Chartreuse_31:

(102, 19857), (Start: 130 @19899 has 8 MA's), (Start: 150 @19923 has 625 MA's), (273, 20121), (284, 20160), (319, 20232), (320, 20235), (332, 20253), (353, 20289), (355, 20295), (401, 20406), (403, 20412), (415, 20451), (445, 20493), (467, 20532), (487, 20574), (491, 20577), (509, 20637), (624, 20874), (631, 20889), (668, 20970), (714, 21102), (769, 21228), (788, 21279), (790, 21288), (801, 21327), (802, 21330), (805, 21342), (837, 21426), (877, 21531), (879, 21537), (916, 21672),

Gene: Chavito_23 Start: 16524, Stop: 18290, Start Num: 118

Candidate Starts for Chavito_23:

(Start: 112 @16515 has 26 MA's), (Start: 118 @16524 has 149 MA's), (Start: 121 @16530 has 44 MA's), (Start: 144 @16554 has 125 MA's), (Start: 181 @16593 has 32 MA's), (230, 16680), (237, 16695), (245, 16713), (261, 16746), (274, 16776), (287, 16821), (294, 16839), (325, 16911), (347, 16947), (381, 17025), (385, 17034), (409, 17097), (424, 17139), (426, 17142), (446, 17178), (449, 17181), (465, 17208), (467, 17214), (487, 17256), (492, 17262), (500, 17289), (589, 17427), (598, 17445), (628, 17535), (643, 17562), (662, 17595), (685, 17667), (701, 17721), (722, 17775), (724, 17781), (753, 17826), (764, 17859), (769, 17874), (777, 17892), (786, 17901), (815, 17976), (834, 18027), (837, 18033), (880, 18126), (907, 18222), (917, 18261), (919, 18264), (929, 18282),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 150

Candidate Starts for Che12_30:

(Start: 130 @19064 has 8 MA's), (Start: 150 @19088 has 625 MA's), (253, 19241), (283, 19322), (284, 19325), (320, 19400), (330, 19415), (353, 19454), (355, 19460), (401, 19571), (403, 19577), (411, 19604), (445, 19658), (487, 19739), (491, 19742), (562, 19898), (580, 19928), (631, 20054), (660,

20105), (664, 20120), (668, 20135), (708, 20261), (747, 20342), (751, 20351), (764, 20396), (769, 20411), (778, 20435), (801, 20510), (802, 20513), (805, 20525), (837, 20609), (877, 20714), (894, 20774), (916, 20855),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 139

Candidate Starts for Che8_16:

(Start: 139 @14833 has 218 MA's), (207, 14920), (218, 14941), (Start: 233 @14965 has 2 MA's), (242, 14989), (248, 15010), (282, 15094), (284, 15100), (289, 15118), (300, 15148), (353, 15253), (375, 15313), (384, 15334), (388, 15343), (396, 15361), (398, 15367), (425, 15442), (493, 15493), (497, 15508), (499, 15514), (512, 15550), (513, 15553), (516, 15565), (520, 15571), (543, 15619), (550, 15631), (554, 15637), (587, 15697), (592, 15709), (606, 15745), (609, 15757), (645, 15832), (648, 15841), (660, 15859), (662, 15865), (670, 15895), (751, 16000), (752, 16009), (753, 16012), (765, 16048), (778, 16084), (779, 16087), (792, 16126), (820, 16225), (826, 16246), (843, 16279), (858, 16309), (863, 16336), (864, 16339), (867, 16348), (869, 16354), (878, 16369), (879, 16372), (882, 16393), (883, 16396), (899, 16438), (904, 16468), (916, 16510),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 155

Candidate Starts for Che9d_19:

(Start: 155 @13752 has 12 MA's), (212, 13833), (230, 13863), (241, 13884), (246, 13896), (275, 13962), (286, 14001), (289, 14013), (298, 14037), (328, 14094), (330, 14097), (343, 14121), (347, 14127), (348, 14130), (367, 14175), (375, 14193), (393, 14229), (445, 14340), (467, 14376), (480, 14403), (486, 14415), (487, 14418), (490, 14427), (500, 14460), (504, 14472), (513, 14496), (661, 14742), (668, 14769), (672, 14781), (697, 14832), (699, 14847), (736, 14901), (751, 14928), (815, 15090), (816, 15093), (817, 15096), (864, 15213), (879, 15255), (902, 15339), (914, 15384), (919, 15402),

Gene: CheeseSpider_22 Start: 17016, Stop: 18662, Start Num: 177

Candidate Starts for CheeseSpider_22:

(Start: 141 @16980 has 4 MA's), (Start: 177 @17016 has 46 MA's), (237, 17118), (273, 17196), (316, 17295), (338, 17334), (367, 17394), (377, 17415), (394, 17451), (400, 17469), (405, 17484), (415, 17517), (447, 17565), (454, 17568), (495, 17655), (504, 17685), (617, 17868), (627, 17892), (687, 18036), (695, 18048), (713, 18108), (765, 18240), (766, 18243), (810, 18342), (817, 18360), (837, 18411), (866, 18471), (868, 18477), (889, 18540), (894, 18552),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 150

Candidate Starts for CheeseTouch_20:

(120, 16382), (Start: 150 @16421 has 625 MA's), (Start: 160 @16433 has 22 MA's), (213, 16511), (226, 16532), (249, 16580), (255, 16589), (273, 16631), (283, 16667), (305, 16724), (330, 16772), (345, 16799), (430, 16997), (443, 17015), (455, 17024), (458, 17030), (480, 17078), (492, 17108), (503, 17144), (513, 17171), (514, 17174), (540, 17225), (582, 17255), (596, 17282), (606, 17309), (633, 17381), (659, 17420), (677, 17474), (695, 17516), (720, 17591), (757, 17654), (765, 17681), (766, 17684), (771, 17699), (810, 17783), (814, 17792), (815, 17795), (817, 17801), (821, 17813), (822, 17816), (835, 17846), (838, 17852), (852, 17873), (853, 17876), (868, 17930), (879, 17960), (880, 17969), (896, 18020), (904, 18053), (908, 18065), (913, 18083),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for CheetoDust_23:

(Start: 118 @17165 has 149 MA's), (Start: 144 @17195 has 125 MA's), (245, 17354), (261, 17387), (274, 17417), (283, 17450), (287, 17462), (325, 17552), (351, 17594), (381, 17666), (385, 17675), (401, 17714), (415, 17759), (424, 17780), (426, 17783), (459, 17837), (467, 17855), (487, 17897), (492, 17903), (500, 17930), (589, 18068), (598, 18086), (609, 18128), (615, 18146), (628, 18176), (643, 18203), (685, 18308), (753, 18467), (765, 18503), (777, 18533), (786, 18542), (815, 18617), (834, 18668), (907, 18863), (917, 18902), (919, 18905), (929, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 118

Candidate Starts for Cheetobro_24:

(Start: 96 @18591 has 3 MA's), (Start: 112 @18621 has 26 MA's), (Start: 115 @18627 has 20 MA's), (Start: 118 @18630 has 149 MA's), (Start: 181 @18687 has 32 MA's), (208, 18735), (230, 18774), (237, 18789), (245, 18807), (261, 18840), (274, 18870), (287, 18915), (294, 18933), (325, 19005), (330, 19011), (347, 19041), (375, 19107), (381, 19119), (433, 19254), (465, 19302), (467, 19308), (476, 19326), (492, 19356), (504, 19395), (589, 19521), (609, 19581), (610, 19584), (616, 19602), (623, 19617), (685, 19785), (701, 19839), (719, 19884), (744, 19929), (753, 19953), (764, 19986), (777, 20019), (810, 20091), (815, 20103), (834, 20154), (837, 20160), (882, 20262), (917, 20388), (929, 20409),

Gene: CherryCola_35 Start: 26753, Stop: 28561, Start Num: 86

Candidate Starts for CherryCola_35:

(86, 26753), (Start: 105 @26795 has 84 MA's), (Start: 129 @26831 has 1 MA's), (Start: 155 @26864 has 12 MA's), (274, 27074), (275, 27077), (283, 27107), (310, 27173), (320, 27197), (326, 27206), (345, 27239), (410, 27392), (430, 27431), (466, 27482), (470, 27494), (480, 27512), (486, 27524), (490, 27536), (495, 27551), (504, 27581), (505, 27584), (513, 27605), (581, 27677), (631, 27803), (647, 27836), (665, 27869), (676, 27908), (677, 27911), (701, 27983), (740, 28049), (744, 28061), (815, 28232), (819, 28244), (821, 28250), (834, 28283), (852, 28310), (860, 28337), (877, 28391), (908, 28508), (914, 28529), (925, 28556),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Cherrybomb426_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 140

Candidate Starts for CherryonLim_19:

(Start: 140 @16167 has 9 MA's), (Start: 150 @16170 has 625 MA's), (222, 16269), (245, 16311), (255, 16332), (351, 16551), (400, 16668), (409, 16695), (430, 16740), (445, 16758), (458, 16773), (465, 16788), (490, 16845), (500, 16878), (504, 16890), (567, 16977), (580, 16995), (594, 17025), (606, 17055), (610, 17070), (627, 17118), (657, 17169), (668, 17205), (673, 17220), (678, 17238), (699, 17295), (765, 17424), (769, 17436), (814, 17535), (815, 17538), (821, 17556), (858, 17634), (864, 17661), (879, 17703), (919, 17850), (923, 17856),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 139

Candidate Starts for Chevrolet_16:

(Start: 139 @14845 has 218 MA's), (207, 14932), (Start: 233 @14977 has 2 MA's), (242, 15001), (282, 15106), (284, 15112), (289, 15130), (300, 15160), (353, 15265), (375, 15325), (384, 15346), (388, 15355), (396, 15373), (398, 15379), (425, 15454), (441, 15466), (467, 15481), (474, 15487), (493, 15505), (497, 15520), (499, 15526), (506, 15547), (512, 15562), (513, 15565), (516, 15577), (520, 15583), (543, 15631), (550, 15643), (554, 15649), (587, 15709), (592, 15721), (606, 15757), (609, 15769), (610, 15772), (616, 15790), (645, 15844), (648, 15853), (660, 15871), (662, 15877), (751, 16012), (752, 16021), (753, 16024), (765, 16060), (779, 16099), (792, 16138), (820, 16237), (826, 16258), (843, 16291), (858, 16321), (864, 16351), (866, 16357), (867, 16360), (869, 16366), (878, 16381), (879, 16384), (883, 16408), (899, 16450), (916, 16522), (917, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Chewbacca_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 171

Candidate Starts for ChewyVIII_56:

(110, 38114), (Start: 171 @38189 has 1 MA's), (245, 38300), (261, 38333), (283, 38396), (354, 38519), (363, 38549), (375, 38573), (395, 38606), (403, 38630), (438, 38702), (477, 38753), (501, 38810), (521, 38864), (552, 38915), (655, 39083), (667, 39125), (701, 39227), (766, 39338), (795, 39386), (821, 39467), (837, 39506), (876, 39581), (880, 39599), (883, 39611), (904, 39686), (908, 39698), (913, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 175

Candidate Starts for Chickadee_32:

(Start: 175 @27527 has 10 MA's), (189, 27548), (226, 27611), (279, 27734), (283, 27746), (310, 27803), (355, 27881), (405, 28004), (468, 28118), (485, 28148), (500, 28190), (525, 28253), (581, 28301), (585, 28310), (609, 28361), (627, 28409), (695, 28574), (701, 28604), (762, 28703), (764, 28712), (765, 28715), (792, 28760), (808, 28817), (810, 28823), (812, 28829), (830, 28877), (834, 28886), (837, 28892), (840, 28895), (864, 28946), (880, 28991), (900, 29060), (913, 29108), (916, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for ChickenDinner_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (293, 14971), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (384, 15178), (388, 15187), (398, 15211), (410, 15247), (411, 15253), (415, 15265), (425, 15286), (427, 15289), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (597, 15562), (606, 15589), (609, 15601), (645, 15676), (648, 15685), (660, 15703), (662, 15709), (670, 15739), (751, 15844), (752, 15853), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (826, 16090), (843, 16123), (858, 16153), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (883, 16240), (899, 16282), (916, 16354), (917, 16360),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 150

Candidate Starts for ChickenTender_20:

(Start: 140 @15794 has 9 MA's), (Start: 150 @15797 has 625 MA's), (274, 16007), (351, 16181), (375, 16241), (387, 16268), (400, 16298), (401, 16301), (407, 16319), (409, 16325), (419, 16355), (458, 16403), (462, 16415), (476, 16442), (500, 16508), (504, 16520), (594, 16655), (606, 16685), (633, 16757), (668, 16835), (673, 16850), (678, 16868), (699, 16925), (769, 17066), (771, 17072), (777, 17084), (786, 17093), (814, 17165), (815, 17168), (817, 17174), (821, 17186), (852, 17246), (861, 17279), (864, 17291), (867, 17300), (879, 17333), (899, 17399), (913, 17459),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 150

Candidate Starts for ChipMunk_30:

(Start: 130 @20576 has 8 MA's), (Start: 150 @20600 has 625 MA's), (226, 20699), (266, 20783), (283, 20834), (284, 20837), (319, 20909), (320, 20912), (353, 20966), (367, 21005), (401, 21083), (445, 21170), (487, 21251), (491, 21254), (614, 21527), (664, 21632), (668, 21647), (708, 21773), (714,

21779), (743, 21827), (747, 21836), (753, 21857), (764, 21890), (769, 21905), (771, 21911), (790, 21965), (801, 22004), (805, 22019), (837, 22103), (879, 22214),

Gene: Chiqui_26 Start: 20176, Stop: 21975, Start Num: 150

Candidate Starts for Chiqui_26:

(Start: 150 @20176 has 625 MA's), (Start: 199 @20236 has 1 MA's), (237, 20305), (279, 20407), (283, 20419), (284, 20422), (320, 20497), (330, 20512), (332, 20515), (353, 20551), (407, 20686), (445, 20755), (500, 20869), (562, 20995), (613, 21109), (614, 21112), (622, 21133), (631, 21151), (668, 21232), (696, 21307), (699, 21325), (701, 21334), (708, 21358), (714, 21364), (719, 21379), (734, 21412), (752, 21457), (753, 21460), (761, 21481), (764, 21493), (837, 21706), (853, 21730), (877, 21811), (879, 21817), (909, 21928), (916, 21952),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 140

Candidate Starts for ChocoMunchkin_18:

(Start: 140 @15395 has 9 MA's), (Start: 150 @15398 has 625 MA's), (222, 15500), (230, 15512), (274, 15608), (300, 15692), (351, 15782), (375, 15842), (387, 15869), (400, 15899), (401, 15902), (430, 15971), (458, 16004), (462, 16016), (465, 16019), (474, 16040), (476, 16043), (500, 16109), (504, 16121), (606, 16286), (668, 16436), (673, 16451), (678, 16469), (699, 16526), (769, 16667), (771, 16673), (777, 16685), (786, 16694), (814, 16766), (815, 16769), (817, 16775), (821, 16787), (864, 16892), (867, 16901), (879, 16934),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 174

Candidate Starts for Chop_22:

(Start: 106 @17803 has 2 MA's), (Start: 174 @17878 has 18 MA's), (230, 17971), (237, 17986), (241, 17992), (274, 18067), (295, 18139), (348, 18250), (367, 18295), (375, 18313), (381, 18325), (465, 18496), (468, 18505), (470, 18511), (510, 18607), (535, 18658), (613, 18781), (628, 18820), (681, 18952), (722, 19066), (764, 19153), (814, 19267), (817, 19276), (864, 19381), (895, 19468), (929, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 144

Candidate Starts for ChosenOne_23:

(Start: 144 @18953 has 125 MA's), (Start: 205 @19037 has 48 MA's), (Start: 244 @19115 has 1 MA's), (279, 19202), (284, 19217), (300, 19265), (317, 19304), (359, 19391), (372, 19424), (388, 19460), (400, 19490), (402, 19496), (437, 19565), (495, 19595), (498, 19607), (499, 19610), (520, 19667), (589, 19799), (591, 19805), (614, 19871), (616, 19877), (625, 19901), (648, 19949), (662, 19973), (664, 19982), (688, 20057), (752, 20108), (758, 20123), (809, 20285), (817, 20312), (826, 20342), (868, 20447), (897, 20525), (904, 20561), (907, 20570), (916, 20603), (923, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 205

Candidate Starts for ChotaBhai_24:

(Start: 144 @18995 has 125 MA's), (Start: 205 @19079 has 48 MA's), (Start: 244 @19157 has 1 MA's), (279, 19244), (284, 19259), (300, 19307), (317, 19346), (359, 19433), (372, 19466), (388, 19502), (400, 19532), (402, 19538), (437, 19607), (495, 19637), (498, 19649), (499, 19652), (520, 19709), (589, 19841), (591, 19847), (614, 19913), (616, 19919), (625, 19943), (648, 19991), (662, 20015), (664, 20024), (688, 20099), (752, 20150), (758, 20165), (809, 20327), (817, 20354), (826, 20384), (868, 20489), (897, 20567), (904, 20603), (907, 20612), (916, 20645), (923, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 118

Candidate Starts for Chris_22:

(Start: 96 @16340 has 3 MA's), (Start: 112 @16370 has 26 MA's), (Start: 118 @16379 has 149 MA's), (Start: 144 @16409 has 125 MA's), (230, 16535), (237, 16550), (261, 16601), (283, 16664), (330, 16772), (347, 16802), (381, 16880), (385, 16889), (401, 16928), (416, 16976), (424, 16994), (446, 17033), (449, 17036), (459, 17051), (465, 17063), (467, 17069), (476, 17087), (487, 17111), (492,

17117), (500, 17144), (513, 17180), (589, 17282), (598, 17300), (615, 17360), (665, 17462), (668, 17474), (685, 17522), (695, 17546), (707, 17597), (724, 17636), (753, 17681), (764, 17714), (766, 17720), (777, 17747), (810, 17819), (815, 17831), (834, 17882), (837, 17888), (880, 17981), (897, 18032), (907, 18077), (929, 18137),

Gene: ChristmasHams_28 Start: 21200, Stop: 22939, Start Num: 199

Candidate Starts for ChristmasHams_28:

(Start: 152 @21137 has 219 MA's), (Start: 173 @21158 has 4 MA's), (Start: 199 @21200 has 1 MA's), (223, 21245), (320, 21461), (347, 21506), (353, 21515), (391, 21605), (393, 21608), (430, 21701), (491, 21803), (514, 21872), (613, 22073), (614, 22076), (622, 22097), (667, 22193), (668, 22196), (670, 22202), (696, 22271), (699, 22289), (701, 22298), (714, 22328), (753, 22424), (764, 22457), (769, 22472), (815, 22613), (837, 22670), (879, 22781),

Gene: Chubbello_19 Start: 16384, Stop: 18120, Start Num: 134

Candidate Starts for Chubbello_19:

(Start: 116 @16360 has 3 MA's), (Start: 134 @16384 has 48 MA's), (184, 16444), (195, 16465), (197, 16468), (259, 16588), (274, 16627), (283, 16660), (292, 16684), (342, 16804), (359, 16843), (360, 16849), (396, 16933), (398, 16939), (402, 16951), (410, 16975), (420, 17002), (437, 17020), (480, 17059), (493, 17065), (500, 17089), (520, 17143), (526, 17155), (531, 17164), (560, 17224), (597, 17302), (609, 17341), (621, 17374), (648, 17440), (659, 17455), (662, 17464), (668, 17488), (676, 17518), (680, 17530), (763, 17632), (767, 17644), (768, 17647), (770, 17653), (774, 17662), (807, 17770), (836, 17854), (874, 17953), (907, 18061), (923, 18109),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 139

Candidate Starts for Chuckly_16:

(Start: 139 @14978 has 218 MA's), (207, 15065), (Start: 233 @15110 has 2 MA's), (242, 15134), (282, 15239), (284, 15245), (289, 15263), (300, 15293), (353, 15398), (375, 15458), (384, 15479), (388, 15488), (398, 15512), (425, 15587), (493, 15638), (497, 15653), (499, 15659), (512, 15695), (513, 15698), (516, 15710), (520, 15716), (543, 15764), (550, 15776), (554, 15782), (587, 15842), (592, 15854), (606, 15890), (609, 15902), (645, 15977), (648, 15986), (660, 16004), (662, 16010), (670, 16040), (751, 16145), (752, 16154), (753, 16157), (765, 16193), (792, 16271), (820, 16370), (826, 16391), (843, 16424), (858, 16454), (864, 16484), (867, 16493), (869, 16499), (878, 16514), (879, 16517), (883, 16541), (894, 16571), (899, 16583), (904, 16613), (916, 16655),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 150

Candidate Starts for Chupacabra_27:

(Start: 130 @19761 has 8 MA's), (Start: 150 @19785 has 625 MA's), (Start: 199 @19842 has 1 MA's), (208, 19857), (237, 19911), (279, 20013), (283, 20025), (284, 20028), (320, 20103), (330, 20118), (353, 20157), (401, 20274), (407, 20292), (445, 20361), (483, 20436), (500, 20475), (514, 20514), (562, 20601), (580, 20631), (587, 20646), (608, 20694), (622, 20739), (627, 20751), (631, 20757), (667, 20835), (668, 20838), (699, 20931), (701, 20940), (708, 20964), (714, 20970), (719, 20985), (743, 21018), (761, 21069), (766, 21087), (780, 21126), (781, 21132), (815, 21237), (837, 21294), (853, 21318), (855, 21324), (877, 21399), (879, 21405), (880, 21414), (916, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 152

Candidate Starts for Ciao_27:

(Start: 152 @21042 has 219 MA's), (Start: 173 @21063 has 4 MA's), (Start: 199 @21105 has 1 MA's), (223, 21150), (320, 21366), (347, 21411), (353, 21420), (367, 21459), (391, 21510), (393, 21513), (491, 21708), (514, 21777), (613, 21978), (614, 21981), (622, 22002), (667, 22098), (668, 22101), (670, 22107), (696, 22176), (699, 22194), (701, 22203), (714, 22233), (753, 22329), (764, 22362), (769, 22377), (815, 22518), (837, 22575), (879, 22686),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 150

Candidate Starts for Cici_27:

(Start: 130 @19796 has 8 MA's), (Start: 150 @19820 has 625 MA's), (Start: 155 @19826 has 12 MA's), (Start: 199 @19880 has 1 MA's), (237, 19949), (273, 20027), (279, 20051), (284, 20066), (300, 20102), (320, 20141), (330, 20156), (353, 20195), (393, 20288), (401, 20312), (445, 20399), (500, 20513), (514, 20552), (562, 20639), (587, 20684), (613, 20753), (622, 20777), (627, 20789), (668, 20876), (696, 20951), (699, 20969), (701, 20978), (708, 21002), (714, 21008), (719, 21023), (734, 21056), (752, 21101), (753, 21104), (761, 21125), (837, 21350), (868, 21428), (877, 21455), (879, 21461), (916, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 155

Candidate Starts for Cindaradix_26:

(Start: 130 @19527 has 8 MA's), (Start: 150 @19551 has 625 MA's), (Start: 155 @19557 has 12 MA's), (Start: 199 @19611 has 1 MA's), (237, 19680), (273, 19758), (279, 19782), (284, 19797), (300, 19833), (320, 19872), (330, 19887), (353, 19926), (393, 20019), (401, 20043), (445, 20130), (500, 20244), (514, 20283), (562, 20370), (587, 20415), (613, 20484), (622, 20508), (627, 20520), (668, 20607), (696, 20682), (699, 20700), (701, 20709), (708, 20733), (714, 20739), (719, 20754), (734, 20787), (752, 20832), (753, 20835), (761, 20856), (837, 21081), (877, 21186), (879, 21192), (916, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 150

Candidate Starts for Cintron_27:

(Start: 130 @19851 has 8 MA's), (Start: 150 @19875 has 625 MA's), (Start: 199 @19932 has 1 MA's), (230, 19986), (237, 20001), (245, 20019), (279, 20103), (283, 20115), (284, 20118), (320, 20193), (330, 20208), (353, 20247), (401, 20364), (445, 20451), (487, 20532), (505, 20580), (514, 20604), (562, 20691), (587, 20736), (614, 20808), (622, 20829), (631, 20847), (668, 20928), (699, 21021), (701, 21030), (708, 21054), (714, 21060), (722, 21084), (753, 21138), (761, 21159), (778, 21210), (787, 21234), (802, 21288), (837, 21384), (877, 21489), (880, 21504), (911, 21612), (916, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Citius_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 244

Candidate Starts for Cjw1_24:

(Start: 144 @20506 has 125 MA's), (Start: 205 @20590 has 48 MA's), (Start: 244 @20668 has 1 MA's), (279, 20755), (284, 20770), (300, 20818), (317, 20857), (359, 20944), (372, 20977), (388, 21013), (400, 21043), (402, 21049), (437, 21118), (495, 21148), (498, 21160), (499, 21163), (520, 21220), (589, 21352), (591, 21358), (614, 21424), (616, 21430), (625, 21454), (648, 21502), (662, 21526), (664, 21535), (688, 21610), (752, 21661), (758, 21676), (809, 21838), (817, 21865), (826, 21895), (868, 22000), (897, 22078), (904, 22114), (907, 22123), (916, 22156), (923, 22171),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 105

Candidate Starts for ClamChowder_33:

(86, 26533), (Start: 105 @26575 has 84 MA's), (Start: 129 @26611 has 1 MA's), (Start: 155 @26644 has 12 MA's), (274, 26854), (275, 26857), (283, 26887), (310, 26953), (320, 26977), (326, 26986), (345, 27019), (410, 27172), (430, 27211), (466, 27262), (470, 27274), (480, 27292), (486, 27304), (490, 27316), (495, 27331), (504, 27361), (505, 27364), (513, 27385), (581, 27457), (603, 27505), (647, 27616), (665, 27649), (677, 27691), (701, 27763), (740, 27829), (744, 27841), (815, 28012),

(816, 28015), (834, 28063), (852, 28090), (860, 28117), (877, 28171), (908, 28288), (914, 28309), (925, 28336),

Gene: Clammy_27 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for Clammy_27:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500, 20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753, 21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Clap_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Clarenza_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 162

Candidate Starts for Clark_20:

(87, 17229), (Start: 162 @17346 has 92 MA's), (312, 17604), (323, 17625), (355, 17679), (368, 17718), (396, 17775), (403, 17796), (526, 17967), (534, 17985), (552, 18009), (575, 18030), (603, 18072), (631, 18153), (667, 18243), (681, 18288), (700, 18345), (701, 18348), (722, 18402), (770, 18492), (880, 18771), (882, 18780), (891, 18810),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 150

Candidate Starts for Cleo_18:

(Start: 150 @15991 has 625 MA's), (230, 16105), (246, 16138), (330, 16339), (351, 16375), (387, 16462), (430, 16564), (458, 16597), (462, 16609), (465, 16612), (490, 16669), (500, 16702), (505, 16717), (515, 16744), (533, 16783), (580, 16819), (582, 16825), (606, 16879), (613, 16903), (627, 16942), (632, 16948), (667, 17020), (673, 17038), (676, 17047), (678, 17056), (699, 17113), (703, 17131), (765, 17242), (769, 17254), (786, 17281), (814, 17353), (815, 17356), (858, 17452), (864, 17479), (873, 17503), (879, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 139

Candidate Starts for Clifton_16:

(Start: 139 @14762 has 218 MA's), (207, 14849), (Start: 233 @14894 has 2 MA's), (242, 14918), (282, 15023), (284, 15029), (289, 15047), (300, 15077), (353, 15182), (375, 15242), (384, 15263), (388, 15272), (398, 15296), (493, 15422), (497, 15437), (499, 15443), (512, 15479), (513, 15482), (516, 15494), (520, 15500), (543, 15548), (550, 15560), (554, 15566), (587, 15626), (592, 15638), (606, 15674), (609, 15686), (645, 15761), (648, 15770), (660, 15788), (662, 15794), (670, 15824), (751, 15929), (752, 15938), (753, 15941), (765, 15977), (792, 16055), (820, 16154), (826, 16175), (843,

16208), (858, 16238), (864, 16268), (867, 16277), (869, 16283), (878, 16298), (879, 16301), (883, 16325), (894, 16355), (899, 16367), (904, 16397), (916, 16439),

Gene: Clipper_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for Clipper_23:

(Start: 118 @17165 has 149 MA's), (Start: 144 @17195 has 125 MA's), (245, 17354), (261, 17387), (274, 17417), (283, 17450), (287, 17462), (325, 17552), (351, 17594), (381, 17666), (385, 17675), (401, 17714), (415, 17759), (416, 17762), (424, 17780), (426, 17783), (459, 17837), (467, 17855), (487, 17897), (492, 17903), (500, 17930), (589, 18068), (598, 18086), (609, 18128), (615, 18146), (628, 18176), (643, 18203), (685, 18308), (753, 18467), (765, 18503), (777, 18533), (786, 18542), (815, 18617), (834, 18668), (907, 18863), (917, 18902), (919, 18905), (929, 18923),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 130

Candidate Starts for CloudWang3_31:

(102, 19907), (Start: 130 @19949 has 8 MA's), (Start: 150 @19973 has 625 MA's), (284, 20210), (319, 20282), (320, 20285), (330, 20300), (353, 20339), (355, 20345), (401, 20456), (403, 20462), (415, 20501), (445, 20543), (467, 20582), (487, 20624), (491, 20627), (562, 20783), (624, 20924), (631, 20939), (714, 21152), (761, 21251), (769, 21278), (788, 21329), (790, 21338), (801, 21377), (805, 21392), (837, 21476), (877, 21581), (879, 21587), (916, 21722),

Gene: Cloudyecho_18 Start: 16834, Stop: 18558, Start Num: 138

Candidate Starts for Cloudyecho_18:

(Start: 138 @16834 has 76 MA's), (208, 16912), (232, 16954), (261, 17017), (273, 17044), (274, 17047), (320, 17173), (330, 17188), (344, 17212), (347, 17218), (351, 17224), (371, 17278), (419, 17398), (467, 17494), (470, 17503), (487, 17536), (492, 17542), (504, 17581), (589, 17707), (612, 17776), (668, 17899), (685, 17947), (696, 17974), (703, 18010), (707, 18022), (723, 18058), (742, 18064), (821, 18262), (830, 18286), (858, 18343), (907, 18490), (919, 18532), (921, 18535),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 105

Candidate Starts for Clown_35:

(78, 28540), (Start: 105 @28603 has 84 MA's), (Start: 155 @28672 has 12 MA's), (274, 28882), (275, 28885), (276, 28888), (283, 28915), (310, 28981), (320, 29005), (326, 29014), (394, 29152), (406, 29188), (480, 29320), (486, 29332), (490, 29344), (495, 29359), (504, 29389), (513, 29413), (520, 29431), (581, 29485), (603, 29533), (604, 29536), (622, 29593), (631, 29611), (647, 29644), (665, 29677), (667, 29686), (669, 29692), (701, 29791), (740, 29857), (815, 30040), (816, 30043), (819, 30052), (834, 30091), (852, 30118), (860, 30145), (861, 30151), (877, 30199), (879, 30205), (883, 30226), (908, 30316), (914, 30337),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 160

Candidate Starts for ClubL_48:

(Start: 160 @29531 has 22 MA's), (202, 29591), (216, 29624), (234, 29657), (282, 29783), (292, 29816), (294, 29825), (354, 29954), (370, 30002), (520, 30215), (523, 30221), (534, 30245), (601, 30374), (606, 30395), (616, 30428), (688, 30626), (789, 30779), (817, 30878), (821, 30890), (824, 30899), (860, 30983), (905, 31130), (915, 31166), (919, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 139

Candidate Starts for Coco12_18:

(Start: 139 @15204 has 218 MA's), (207, 15291), (Start: 233 @15336 has 2 MA's), (242, 15360), (282, 15465), (284, 15471), (289, 15489), (300, 15519), (353, 15624), (375, 15684), (384, 15705), (388, 15714), (398, 15738), (425, 15813), (427, 15816), (493, 15864), (497, 15879), (499, 15885), (512, 15921), (513, 15924), (516, 15936), (520, 15942), (543, 15990), (550, 16002), (554, 16008), (587, 16068), (592, 16080), (606, 16116), (609, 16128), (645, 16203), (648, 16212), (660, 16230), (662, 16236), (670, 16266), (751, 16371), (752, 16380), (753, 16383), (765, 16419), (792, 16497), (820,

16596), (826, 16617), (843, 16650), (858, 16680), (864, 16710), (867, 16719), (869, 16725), (878, 16740), (879, 16743), (894, 16797), (899, 16809), (904, 16839), (916, 16881),

Gene: CocoaPuff_17 Start: 15415, Stop: 17109, Start Num: 150

Candidate Starts for CocoaPuff_17:

(Start: 140 @15412 has 9 MA's), (Start: 150 @15415 has 625 MA's), (222, 15514), (245, 15556), (351, 15796), (387, 15883), (397, 15904), (400, 15913), (409, 15940), (430, 15985), (458, 16018), (465, 16033), (476, 16057), (490, 16090), (500, 16123), (504, 16135), (528, 16192), (580, 16240), (594, 16270), (606, 16300), (610, 16315), (627, 16363), (657, 16414), (668, 16450), (673, 16465), (678, 16483), (699, 16540), (701, 16549), (765, 16669), (769, 16681), (798, 16729), (814, 16780), (815, 16783), (821, 16801), (858, 16879), (864, 16906), (879, 16948), (919, 17095), (923, 17101),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 150

Candidate Starts for Cocoaberry_27:

(Start: 130 @19807 has 8 MA's), (Start: 150 @19831 has 625 MA's), (Start: 199 @19888 has 1 MA's), (230, 19942), (237, 19957), (245, 19975), (279, 20059), (283, 20071), (284, 20074), (320, 20149), (330, 20164), (353, 20203), (401, 20320), (445, 20407), (487, 20488), (505, 20536), (514, 20560), (562, 20647), (587, 20692), (614, 20764), (622, 20785), (631, 20803), (668, 20884), (699, 20977), (701, 20986), (708, 21010), (714, 21016), (722, 21040), (753, 21094), (761, 21115), (778, 21166), (787, 21190), (802, 21244), (837, 21340), (877, 21445), (880, 21460), (911, 21568), (916, 21586),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 168

Candidate Starts for CoffeeBean_45:

(Start: 168 @31300 has 10 MA's), (Start: 177 @31309 has 46 MA's), (212, 31363), (230, 31387), (237, 31390), (365, 31660), (398, 31723), (403, 31738), (469, 31855), (477, 31870), (501, 31927), (504, 31936), (519, 31978), (531, 31999), (551, 32029), (597, 32086), (630, 32161), (673, 32257), (706, 32362), (707, 32365), (724, 32392), (771, 32470), (797, 32509), (858, 32665), (884, 32731),

Gene: CogOmlette_26 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for CogOmlette_26:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (223, 19702), (226, 19705), (274, 19807), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (405, 20101), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (580, 20446), (608, 20509), (614, 20533), (627, 20566), (631, 20572), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (864, 21193), (877, 21232), (879, 21238), (890, 21283),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for Colbster_29:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 138

Candidate Starts for Coleslaw_18:

(Start: 112 @16631 has 26 MA's), (Start: 138 @16640 has 76 MA's), (Start: 144 @16646 has 125 MA's), (149, 16652), (237, 16784), (261, 16835), (274, 16865), (280, 16889), (320, 16991), (344, 17030), (347, 17036), (355, 17051), (371, 17096), (419, 17216), (450, 17273), (467, 17312), (492, 17360), (500, 17387), (504, 17399), (548, 17480), (589, 17525), (668, 17723), (677, 17753), (685, 17771), (696, 17798), (723, 17882), (742, 17900), (749, 17915), (764, 17963), (769, 17978), (802,

18041), (821, 18098), (837, 18137), (858, 18179), (880, 18230), (907, 18326), (929, 18386),

Gene: Colin_32 Start: 21871, Stop: 23667, Start Num: 130

Candidate Starts for Colin_32:

(Start: 130 @21871 has 8 MA's), (Start: 150 @21895 has 625 MA's), (283, 22129), (284, 22132), (319, 22204), (320, 22207), (353, 22261), (355, 22267), (367, 22300), (401, 22378), (445, 22465), (487, 22546), (491, 22549), (500, 22579), (614, 22822), (631, 22861), (660, 22912), (664, 22927), (668, 22942), (714, 23074), (743, 23122), (753, 23152), (758, 23164), (769, 23200), (771, 23206), (790, 23260), (805, 23314), (837, 23398), (864, 23464), (877, 23503), (879, 23509),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 121

Candidate Starts for Collard_21:

(Start: 121 @17552 has 44 MA's), (Start: 127 @17558 has 1 MA's), (Start: 147 @17582 has 1 MA's), (Start: 181 @17615 has 32 MA's), (208, 17663), (237, 17717), (261, 17768), (283, 17831), (330, 17939), (381, 18047), (424, 18161), (426, 18164), (449, 18203), (459, 18218), (465, 18230), (467, 18236), (483, 18272), (487, 18278), (492, 18284), (504, 18323), (513, 18347), (589, 18449), (610, 18512), (685, 18692), (719, 18791), (757, 18869), (764, 18893), (766, 18899), (785, 18932), (815, 19010), (817, 19016), (882, 19169), (912, 19274), (913, 19277), (917, 19295),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 152

Candidate Starts for Colleen_19:

(Start: 152 @17425 has 219 MA's), (182, 17458), (305, 17716), (347, 17794), (400, 17917), (403, 17926), (404, 17929), (407, 17938), (410, 17947), (491, 18088), (495, 18100), (513, 18154), (607, 18289), (617, 18322), (625, 18340), (631, 18352), (640, 18367), (667, 18427), (674, 18448), (676, 18457), (699, 18523), (708, 18556), (743, 18586), (746, 18592), (747, 18595), (769, 18664), (814, 18763), (817, 18772), (878, 18928), (880, 18940),

Gene: Colossa_20 Start: 16438, Stop: 18099, Start Num: 161

Candidate Starts for Colossa_20:

(68, 16267), (74, 16288), (Start: 148 @16423 has 18 MA's), (Start: 161 @16438 has 5 MA's), (Start: 167 @16444 has 1 MA's), (188, 16474), (Start: 193 @16483 has 3 MA's), (217, 16525), (298, 16708), (320, 16753), (330, 16768), (387, 16888), (445, 17008), (458, 17023), (466, 17041), (512, 17152), (609, 17296), (610, 17299), (613, 17308), (660, 17401), (668, 17431), (695, 17506), (696, 17509), (746, 17596), (752, 17617), (753, 17620), (765, 17656), (801, 17728), (814, 17767), (815, 17770), (841, 17836), (860, 17878), (877, 17932), (910, 18055), (913, 18064), (925, 18094),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 144

Candidate Starts for Command613_25:

(Start: 144 @20014 has 125 MA's), (Start: 205 @20098 has 48 MA's), (Start: 244 @20176 has 1 MA's), (279, 20263), (284, 20278), (300, 20326), (317, 20365), (359, 20452), (372, 20485), (388, 20521), (400, 20551), (402, 20557), (437, 20626), (495, 20656), (498, 20668), (499, 20671), (520, 20728), (589, 20860), (591, 20866), (614, 20932), (616, 20938), (625, 20962), (648, 21010), (662, 21034), (664, 21043), (688, 21118), (752, 21169), (758, 21184), (809, 21346), (817, 21373), (826, 21403), (868, 21508), (897, 21586), (904, 21622), (907, 21631), (916, 21664), (923, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 162

Candidate Starts for Commandaria_43:

(Start: 162 @31143 has 92 MA's), (Start: 190 @31179 has 1 MA's), (201, 31197), (219, 31230), (237, 31257), (332, 31458), (363, 31524), (398, 31590), (403, 31605), (461, 31716), (475, 31746), (477, 31749), (497, 31794), (501, 31806), (517, 31854), (519, 31857), (603, 31983), (625, 32028), (626, 32031), (648, 32070), (666, 32118), (706, 32244), (733, 32280), (814, 32445), (821, 32466), (854, 32535), (879, 32589), (884, 32613), (904, 32685), (923, 32742),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Commander_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's),
(237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160),
(353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643),
(587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982),
(708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186),
(802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: ConceptII_29 Start: 22056, Stop: 23858, Start Num: 152

Candidate Starts for ConceptII_29:

(Start: 152 @22056 has 219 MA's), (Start: 173 @22077 has 4 MA's), (Start: 199 @22119 has 1 MA's),
(223, 22164), (320, 22380), (347, 22425), (353, 22434), (367, 22473), (391, 22524), (393, 22527),
(430, 22620), (491, 22722), (514, 22791), (613, 22992), (614, 22995), (622, 23016), (667, 23112),
(668, 23115), (670, 23121), (696, 23190), (699, 23208), (701, 23217), (714, 23247), (753, 23343),
(764, 23376), (769, 23391), (815, 23532), (837, 23589), (879, 23700),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 119

Candidate Starts for Confidence_20:

(Start: 104 @17536 has 1 MA's), (Start: 119 @17560 has 25 MA's), (201, 17665), (224, 17707), (266,
17782), (320, 17896), (387, 18043), (391, 18049), (483, 18232), (512, 18307), (632, 18514), (667,
18589), (674, 18610), (699, 18685), (744, 18772), (759, 18808), (762, 18817), (769, 18841), (771,
18847), (804, 18913), (815, 18943), (877, 19099), (879, 19105), (882, 19123), (914, 19234),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Connomayer_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's),
(230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145),
(330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556),
(562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973),
(701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162),
(787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 150

Candidate Starts for Conquerage_30:

(Start: 148 @21776 has 18 MA's), (Start: 150 @21779 has 625 MA's), (283, 22013), (284, 22016),
(319, 22088), (320, 22091), (330, 22106), (353, 22145), (355, 22151), (401, 22262), (445, 22349),
(487, 22430), (491, 22433), (509, 22493), (580, 22619), (608, 22682), (614, 22706), (616, 22712),
(631, 22745), (668, 22826), (708, 22952), (726, 22994), (753, 23054), (764, 23087), (769, 23102),
(801, 23201), (802, 23204), (805, 23216), (837, 23300), (864, 23366), (877, 23405), (879, 23411),
(890, 23456), (907, 23513), (908, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 150

Candidate Starts for Conspiracy_24:

(Start: 150 @19564 has 625 MA's), (245, 19702), (284, 19801), (320, 19876), (351, 19927), (381,
19999), (387, 20014), (401, 20047), (403, 20053), (455, 20146), (500, 20248), (509, 20278), (513,
20284), (562, 20374), (580, 20404), (609, 20476), (613, 20488), (614, 20491), (631, 20530), (640,
20548), (667, 20608), (668, 20611), (686, 20662), (699, 20704), (752, 20845), (766, 20887), (879,
21205), (916, 21340),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 138

Candidate Starts for Constella_31:

(Start: 138 @26122 has 76 MA's), (Start: 205 @26212 has 48 MA's), (230, 26260), (242, 26290), (255, 26317), (292, 26419), (301, 26449), (347, 26548), (360, 26584), (362, 26590), (372, 26611), (402, 26683), (405, 26692), (411, 26713), (474, 26782), (499, 26821), (500, 26824), (505, 26839), (520, 26878), (543, 26926), (550, 26938), (554, 26944), (572, 26992), (577, 27001), (589, 27022), (597, 27040), (612, 27088), (660, 27190), (676, 27250), (680, 27262), (698, 27307), (700, 27319), (710, 27454), (711, 27460), (712, 27484), (739, 27556), (750, 27583), (828, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 144

Candidate Starts for Contagion_23:

(Start: 144 @19253 has 125 MA's), (Start: 205 @19337 has 48 MA's), (Start: 244 @19415 has 1 MA's), (279, 19502), (284, 19517), (300, 19565), (317, 19604), (359, 19691), (372, 19724), (388, 19760), (400, 19790), (402, 19796), (437, 19865), (495, 19895), (498, 19907), (499, 19910), (520, 19967), (589, 20099), (591, 20105), (614, 20171), (616, 20177), (625, 20201), (648, 20249), (662, 20273), (664, 20282), (688, 20357), (752, 20408), (758, 20423), (809, 20585), (817, 20612), (826, 20642), (868, 20747), (897, 20825), (904, 20861), (907, 20870), (916, 20903), (923, 20918),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 150

Candidate Starts for Coog_24:

(Start: 139 @19695 has 218 MA's), (Start: 150 @19707 has 625 MA's), (230, 19812), (245, 19845), (284, 19944), (320, 20019), (330, 20034), (351, 20070), (381, 20142), (387, 20157), (403, 20196), (509, 20421), (513, 20427), (587, 20562), (609, 20619), (610, 20622), (613, 20631), (631, 20673), (640, 20691), (667, 20751), (668, 20754), (699, 20847), (701, 20856), (708, 20880), (752, 20988), (764, 21024), (837, 21234), (876, 21336), (879, 21345), (916, 21480), (919, 21489),

Gene: Cookiedough_31 Start: 19969, Stop: 21741, Start Num: 150

Candidate Starts for Cookiedough_31:

(102, 19903), (Start: 130 @19945 has 8 MA's), (Start: 150 @19969 has 625 MA's), (273, 20167), (284, 20206), (319, 20278), (320, 20281), (332, 20299), (353, 20335), (355, 20341), (401, 20452), (403, 20458), (415, 20497), (445, 20539), (467, 20578), (487, 20620), (491, 20623), (509, 20683), (624, 20920), (631, 20935), (668, 21016), (714, 21148), (769, 21274), (788, 21325), (790, 21334), (801, 21373), (802, 21376), (805, 21388), (837, 21472), (877, 21577), (879, 21583), (916, 21718),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 144

Candidate Starts for Cookies_24:

(Start: 144 @19615 has 125 MA's), (Start: 205 @19699 has 48 MA's), (Start: 244 @19777 has 1 MA's), (279, 19864), (284, 19879), (300, 19927), (317, 19966), (359, 20053), (372, 20086), (388, 20122), (400, 20152), (402, 20158), (437, 20227), (495, 20257), (498, 20269), (499, 20272), (520, 20329), (589, 20461), (591, 20467), (614, 20533), (616, 20539), (625, 20563), (648, 20611), (662, 20635), (664, 20644), (688, 20719), (752, 20770), (758, 20785), (809, 20947), (817, 20974), (826, 21004), (868, 21109), (897, 21187), (904, 21223), (907, 21232), (916, 21265), (923, 21280),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 157

Candidate Starts for Coriander_19:

(34, 17034), (50, 17184), (120, 17463), (Start: 129 @17475 has 1 MA's), (Start: 157 @17505 has 7 MA's), (226, 17607), (241, 17634), (246, 17646), (249, 17658), (275, 17715), (289, 17766), (297, 17787), (325, 17844), (330, 17850), (400, 18000), (466, 18123), (492, 18183), (503, 18219), (565, 18303), (596, 18357), (699, 18618), (734, 18690), (736, 18693), (757, 18735), (771, 18780), (815, 18876), (816, 18879), (821, 18894), (881, 19053), (882, 19059), (908, 19146), (923, 19191),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 139

Candidate Starts for Corium_16:

(Start: 139 @14843 has 218 MA's), (207, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (282, 15104), (284, 15110), (289, 15128), (300, 15158), (353, 15263), (375, 15323), (384, 15344), (388,

15353), (396, 15371), (398, 15377), (493, 15503), (497, 15518), (499, 15524), (512, 15560), (513, 15563), (516, 15575), (520, 15581), (543, 15629), (550, 15641), (554, 15647), (587, 15707), (592, 15719), (606, 15755), (609, 15767), (645, 15842), (648, 15851), (660, 15869), (662, 15875), (670, 15905), (751, 16010), (752, 16019), (753, 16022), (765, 16058), (792, 16136), (820, 16235), (826, 16256), (843, 16289), (858, 16319), (864, 16349), (867, 16358), (869, 16364), (878, 16379), (879, 16382), (883, 16406), (894, 16436), (899, 16448), (904, 16478), (916, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 121

Candidate Starts for Corndog_59:

(Start: 115 @34509 has 20 MA's), (Start: 121 @34518 has 44 MA's), (191, 34608), (248, 34725), (266, 34761), (275, 34782), (282, 34809), (284, 34815), (294, 34845), (302, 34869), (327, 34920), (388, 35058), (392, 35064), (409, 35115), (410, 35118), (415, 35136), (493, 35187), (499, 35208), (500, 35211), (516, 35259), (520, 35265), (543, 35313), (544, 35319), (550, 35325), (573, 35385), (587, 35409), (589, 35412), (606, 35457), (610, 35472), (613, 35481), (616, 35490), (634, 35535), (648, 35553), (664, 35586), (753, 35724), (761, 35745), (782, 35811), (793, 35841), (807, 35895), (820, 35937), (826, 35958), (836, 35979), (843, 35991), (855, 36012), (869, 36066), (897, 36144), (904, 36180), (910, 36201), (917, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 139

Candidate Starts for Cornucopia_17:

(Start: 139 @14844 has 218 MA's), (207, 14931), (Start: 233 @14976 has 2 MA's), (242, 15000), (282, 15105), (284, 15111), (289, 15129), (300, 15159), (353, 15264), (375, 15324), (384, 15345), (388, 15354), (398, 15378), (425, 15453), (493, 15504), (497, 15519), (499, 15525), (512, 15561), (513, 15564), (516, 15576), (520, 15582), (543, 15630), (550, 15642), (554, 15648), (587, 15708), (592, 15720), (606, 15756), (609, 15768), (645, 15843), (648, 15852), (660, 15870), (662, 15876), (670, 15906), (751, 16011), (753, 16023), (765, 16059), (792, 16137), (820, 16236), (826, 16257), (843, 16290), (858, 16320), (864, 16350), (867, 16359), (869, 16365), (878, 16380), (879, 16383), (883, 16407), (899, 16449), (916, 16521),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 152

Candidate Starts for Corvo_28:

(Start: 152 @22053 has 219 MA's), (Start: 173 @22074 has 4 MA's), (Start: 199 @22116 has 1 MA's), (223, 22161), (320, 22377), (347, 22422), (353, 22431), (391, 22521), (393, 22524), (430, 22617), (491, 22719), (514, 22788), (609, 22977), (613, 22989), (614, 22992), (622, 23013), (667, 23109), (668, 23112), (670, 23118), (696, 23187), (699, 23205), (701, 23214), (714, 23244), (753, 23340), (764, 23373), (769, 23388), (815, 23529), (837, 23586), (879, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for CosmicSans_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 138

Candidate Starts for Courthouse_34:

(Start: 138 @25078 has 76 MA's), (Start: 205 @25168 has 48 MA's), (207, 25171), (242, 25246), (255, 25273), (279, 25339), (292, 25375), (301, 25405), (308, 25420), (347, 25504), (360, 25540), (372, 25567), (390, 25606), (402, 25639), (405, 25648), (427, 25705), (479, 25747), (515, 25822), (520, 25834), (550, 25894), (572, 25948), (589, 25978), (597, 25996), (602, 26005), (610, 26038), (614, 26050), (616, 26056), (631, 26095), (662, 26152), (758, 26302), (763, 26320), (778, 26362), (787, 26386), (788, 26389), (792, 26404), (800, 26434), (809, 26464), (826, 26521), (885, 26671), (919,

26791), (923, 26797),

Gene: CoveyB_33 Start: 26375, Stop: 28141, Start Num: 105

Candidate Starts for CoveyB_33:

(86, 26333), (Start: 105 @26375 has 84 MA's), (Start: 129 @26411 has 1 MA's), (Start: 155 @26444 has 12 MA's), (274, 26654), (275, 26657), (283, 26687), (310, 26753), (320, 26777), (326, 26786), (345, 26819), (410, 26972), (430, 27011), (466, 27062), (470, 27074), (480, 27092), (486, 27104), (490, 27116), (495, 27131), (504, 27161), (505, 27164), (513, 27185), (581, 27257), (603, 27305), (647, 27416), (665, 27449), (676, 27488), (677, 27491), (701, 27563), (740, 27629), (744, 27641), (815, 27812), (819, 27824), (821, 27830), (834, 27863), (852, 27890), (860, 27917), (877, 27971), (908, 28088), (914, 28109), (925, 28136),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 150

Candidate Starts for Cozz_18:

(Start: 140 @15730 has 9 MA's), (Start: 150 @15733 has 625 MA's), (274, 15943), (320, 16066), (351, 16117), (387, 16204), (400, 16234), (405, 16249), (409, 16261), (458, 16339), (462, 16351), (476, 16378), (490, 16411), (500, 16444), (504, 16456), (520, 16498), (606, 16621), (633, 16693), (668, 16771), (673, 16786), (678, 16804), (699, 16861), (753, 16954), (765, 16990), (769, 17002), (771, 17008), (777, 17020), (786, 17029), (814, 17101), (815, 17104), (817, 17110), (821, 17122), (852, 17182), (864, 17227), (867, 17236), (879, 17269), (899, 17335),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 85

Candidate Starts for Cracklewink_24:

(Start: 85 @19740 has 5 MA's), (103, 19785), (187, 19884), (208, 19920), (223, 19950), (237, 19974), (261, 20025), (263, 20028), (297, 20127), (298, 20130), (363, 20268), (373, 20289), (387, 20319), (391, 20325), (405, 20364), (430, 20430), (460, 20472), (467, 20487), (487, 20529), (501, 20565), (504, 20574), (510, 20592), (545, 20652), (550, 20658), (552, 20661), (570, 20691), (587, 20724), (589, 20727), (601, 20754), (622, 20820), (719, 21069), (796, 21216), (819, 21288), (837, 21333), (852, 21357), (854, 21363), (894, 21471), (917, 21561), (919, 21564),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 150

Candidate Starts for Crater_18:

(120, 15931), (Start: 150 @15970 has 625 MA's), (Start: 160 @15982 has 22 MA's), (Start: 163 @15985 has 16 MA's), (191, 16021), (213, 16060), (226, 16081), (247, 16123), (249, 16129), (252, 16132), (259, 16144), (273, 16180), (283, 16216), (305, 16273), (330, 16321), (345, 16348), (391, 16450), (405, 16489), (430, 16546), (443, 16564), (455, 16573), (458, 16579), (480, 16627), (492, 16657), (503, 16693), (505, 16699), (513, 16720), (514, 16723), (540, 16774), (581, 16801), (582, 16804), (596, 16831), (606, 16858), (633, 16930), (659, 16969), (677, 17023), (701, 17095), (720, 17140), (765, 17230), (771, 17248), (810, 17332), (814, 17341), (815, 17344), (817, 17350), (822, 17365), (835, 17395), (838, 17401), (852, 17422), (853, 17425), (868, 17479), (879, 17509), (880, 17518), (896, 17569), (904, 17602), (908, 17614), (913, 17632),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 138

Candidate Starts for Crespo_18:

(Start: 112 @16641 has 26 MA's), (Start: 138 @16650 has 76 MA's), (Start: 144 @16656 has 125 MA's), (149, 16662), (237, 16794), (261, 16845), (274, 16875), (280, 16899), (320, 17001), (344, 17040), (347, 17046), (355, 17061), (371, 17106), (419, 17226), (450, 17283), (467, 17322), (492, 17370), (500, 17397), (504, 17409), (548, 17490), (589, 17535), (668, 17733), (677, 17763), (685, 17781), (696, 17808), (723, 17892), (742, 17910), (749, 17925), (764, 17973), (769, 17988), (802, 18051), (821, 18108), (837, 18147), (858, 18189), (880, 18240), (907, 18336), (929, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 118

Candidate Starts for CrimD_23:

(Start: 118 @17126 has 149 MA's), (Start: 144 @17156 has 125 MA's), (245, 17315), (261, 17348), (274, 17378), (283, 17411), (287, 17423), (325, 17513), (351, 17555), (377, 17618), (381, 17627), (385, 17636), (401, 17675), (415, 17720), (424, 17741), (426, 17744), (467, 17816), (487, 17858), (492, 17864), (500, 17891), (589, 18029), (598, 18047), (609, 18089), (615, 18107), (628, 18137), (643, 18164), (685, 18269), (753, 18428), (765, 18464), (777, 18494), (786, 18503), (815, 18578), (834, 18629), (907, 18824), (917, 18863), (919, 18866), (929, 18884),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 152

Candidate Starts for Crispicous1_26:

(Start: 152 @20570 has 219 MA's), (Start: 173 @20591 has 4 MA's), (Start: 199 @20633 has 1 MA's), (223, 20678), (320, 20894), (347, 20939), (353, 20948), (367, 20987), (391, 21038), (403, 21071), (491, 21236), (514, 21305), (613, 21506), (614, 21509), (622, 21530), (667, 21626), (668, 21629), (670, 21635), (696, 21704), (699, 21722), (701, 21731), (714, 21761), (753, 21857), (764, 21890), (769, 21905), (815, 22046), (837, 22103), (879, 22214),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for Crucio_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (226, 20217), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (837, 21621), (879, 21732), (916, 21867),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 165

Candidate Starts for Cruella_31:

(Start: 165 @28482 has 39 MA's), (241, 28581), (273, 28650), (284, 28689), (354, 28824), (378, 28884), (464, 29037), (469, 29049), (473, 29058), (475, 29061), (496, 29106), (501, 29121), (504, 29130), (507, 29139), (531, 29193), (539, 29211), (586, 29265), (681, 29481), (718, 29574), (783, 29682), (805, 29736), (833, 29811), (884, 29940), (922, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 139

Candidate Starts for Crumble_16:

(Start: 139 @14809 has 218 MA's), (207, 14896), (Start: 233 @14941 has 2 MA's), (242, 14965), (282, 15070), (284, 15076), (289, 15094), (300, 15124), (353, 15229), (375, 15289), (384, 15310), (388, 15319), (398, 15343), (425, 15418), (427, 15421), (493, 15469), (497, 15484), (499, 15490), (512, 15526), (513, 15529), (516, 15541), (520, 15547), (543, 15595), (550, 15607), (554, 15613), (587, 15673), (592, 15685), (606, 15721), (609, 15733), (645, 15808), (648, 15817), (660, 15835), (662, 15841), (670, 15871), (751, 15976), (752, 15985), (753, 15988), (765, 16024), (792, 16102), (820, 16201), (826, 16222), (843, 16255), (858, 16285), (864, 16315), (867, 16324), (869, 16330), (878, 16345), (879, 16348), (883, 16372), (894, 16402), (899, 16414), (904, 16444), (916, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 144

Candidate Starts for CrystalP_24:

(Start: 144 @19746 has 125 MA's), (Start: 205 @19830 has 48 MA's), (Start: 244 @19908 has 1 MA's), (279, 19995), (284, 20010), (300, 20058), (317, 20097), (359, 20184), (372, 20217), (388, 20253), (400, 20283), (402, 20289), (437, 20358), (495, 20388), (498, 20400), (499, 20403), (520, 20460), (589, 20592), (591, 20598), (614, 20664), (616, 20670), (625, 20694), (648, 20742), (662, 20766), (664, 20775), (688, 20850), (752, 20901), (758, 20916), (809, 21078), (817, 21105), (826, 21135), (868, 21240), (897, 21318), (904, 21354), (907, 21363), (916, 21396), (923, 21411),

Gene: Cubone_18 Start: 15011, Stop: 16720, Start Num: 144

Candidate Starts for Cubone_18:

(Start: 144 @15011 has 125 MA's), (Start: 169 @15038 has 1 MA's), (Start: 233 @15143 has 2 MA's), (236, 15155), (252, 15191), (274, 15242), (282, 15272), (284, 15278), (293, 15305), (295, 15311), (353, 15431), (371, 15485), (375, 15491), (382, 15509), (388, 15521), (390, 15524), (398, 15545), (411, 15587), (425, 15620), (493, 15671), (497, 15686), (512, 15728), (516, 15743), (520, 15749), (543, 15797), (556, 15821), (564, 15851), (587, 15875), (609, 15935), (613, 15947), (634, 16001), (645, 16010), (669, 16070), (670, 16073), (751, 16178), (752, 16187), (765, 16226), (808, 16364), (863, 16514), (864, 16517), (867, 16526), (878, 16547), (883, 16574), (897, 16610), (923, 16703),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 150

Candidate Starts for Cuco_24:

(Start: 150 @19657 has 625 MA's), (230, 19762), (245, 19795), (284, 19894), (320, 19969), (330, 19984), (351, 20020), (381, 20092), (387, 20107), (403, 20146), (411, 20173), (419, 20194), (453, 20233), (509, 20371), (513, 20377), (587, 20512), (609, 20569), (610, 20572), (613, 20581), (631, 20623), (640, 20641), (667, 20701), (668, 20704), (699, 20797), (701, 20806), (708, 20830), (752, 20938), (764, 20974), (837, 21184), (876, 21286), (879, 21295), (916, 21430), (919, 21439),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 160

Candidate Starts for Cucurbita_50:

(Start: 160 @30901 has 22 MA's), (202, 30961), (216, 30994), (234, 31027), (282, 31153), (292, 31186), (294, 31195), (354, 31324), (370, 31372), (520, 31585), (523, 31591), (534, 31615), (601, 31744), (606, 31765), (616, 31798), (688, 31996), (789, 32149), (817, 32248), (821, 32260), (824, 32269), (860, 32353), (905, 32500), (915, 32536), (919, 32548),

Gene: Cueylyss_27 Start: 21272, Stop: 23074, Start Num: 152

Candidate Starts for Cueylyss_27:

(Start: 152 @21272 has 219 MA's), (Start: 173 @21293 has 4 MA's), (Start: 199 @21335 has 1 MA's), (223, 21380), (320, 21596), (347, 21641), (353, 21650), (391, 21740), (393, 21743), (430, 21836), (491, 21938), (514, 22007), (609, 22196), (613, 22208), (614, 22211), (622, 22232), (667, 22328), (668, 22331), (670, 22337), (696, 22406), (699, 22424), (701, 22433), (714, 22463), (753, 22559), (764, 22592), (769, 22607), (815, 22748), (837, 22805), (868, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for Cullens_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 160

Candidate Starts for Culver_48:

(Start: 160 @29340 has 22 MA's), (202, 29400), (216, 29433), (Start: 233 @29463 has 2 MA's), (234, 29466), (292, 29625), (294, 29634), (354, 29763), (370, 29811), (520, 30024), (523, 30030), (534, 30054), (601, 30183), (606, 30204), (616, 30237), (688, 30435), (789, 30588), (817, 30687), (821, 30699), (824, 30708), (860, 30792), (905, 30939), (915, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 118

Candidate Starts for Curiosium_24:

(Start: 118 @16874 has 149 MA's), (Start: 144 @16904 has 125 MA's), (245, 17063), (261, 17096), (274, 17126), (283, 17159), (287, 17171), (347, 17297), (351, 17303), (365, 17342), (381, 17375), (385, 17384), (401, 17423), (424, 17489), (426, 17492), (467, 17564), (487, 17606), (492, 17612), (500, 17639), (513, 17675), (589, 17777), (598, 17795), (609, 17837), (615, 17855), (628, 17885),

(643, 17912), (685, 18017), (716, 18107), (765, 18212), (777, 18242), (815, 18326), (834, 18377), (852, 18407), (880, 18476), (897, 18527), (917, 18611), (919, 18614), (929, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Cynthia_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Czyszczo1_25 Start: 19491, Stop: 21170, Start Num: 144

Candidate Starts for Czyszczo1_25:

(Start: 144 @19491 has 125 MA's), (Start: 205 @19575 has 48 MA's), (Start: 244 @19653 has 1 MA's), (279, 19740), (284, 19755), (300, 19803), (317, 19842), (359, 19929), (372, 19962), (388, 19998), (400, 20028), (402, 20034), (437, 20103), (495, 20133), (498, 20145), (499, 20148), (520, 20205), (589, 20337), (591, 20343), (614, 20409), (616, 20415), (625, 20439), (648, 20487), (662, 20511), (664, 20520), (688, 20595), (752, 20646), (758, 20661), (809, 20823), (817, 20850), (826, 20880), (868, 20985), (897, 21063), (904, 21099), (907, 21108), (916, 21141), (923, 21156),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for D29_28:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (729, 21273), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for D32_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (729, 21273), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for DBQu4n_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (253, 20202), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (410, 20559), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 152

Candidate Starts for DD5_28:

(Start: 152 @21820 has 219 MA's), (Start: 173 @21841 has 4 MA's), (Start: 199 @21883 has 1 MA's), (223, 21928), (320, 22144), (347, 22189), (353, 22198), (391, 22288), (393, 22291), (491, 22486), (514, 22555), (542, 22615), (609, 22744), (613, 22756), (614, 22759), (622, 22780), (667, 22876), (668, 22879), (670, 22885), (696, 22954), (699, 22972), (701, 22981), (714, 23011), (753, 23107),

(764, 23140), (769, 23155), (815, 23296), (837, 23353), (879, 23464),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 139

Candidate Starts for DLane_16:

(Start: 139 @14795 has 218 MA's), (207, 14882), (Start: 233 @14927 has 2 MA's), (242, 14951), (282, 15056), (284, 15062), (289, 15080), (300, 15110), (353, 15215), (375, 15275), (384, 15296), (388, 15305), (398, 15329), (493, 15455), (497, 15470), (499, 15476), (512, 15512), (513, 15515), (516, 15527), (520, 15533), (543, 15581), (550, 15593), (554, 15599), (587, 15659), (592, 15671), (606, 15707), (609, 15719), (645, 15794), (648, 15803), (660, 15821), (662, 15827), (670, 15857), (751, 15962), (752, 15971), (753, 15974), (765, 16010), (792, 16088), (820, 16187), (826, 16208), (843, 16241), (858, 16271), (864, 16301), (867, 16310), (869, 16316), (878, 16331), (879, 16334), (883, 16358), (894, 16388), (899, 16400), (904, 16430), (916, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for DMoney_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: DNAIII_0018 Start: 16649, Stop: 18412, Start Num: 112

Candidate Starts for DNAIII_0018:

(Start: 112 @16649 has 26 MA's), (Start: 138 @16658 has 76 MA's), (Start: 144 @16664 has 125 MA's), (149, 16670), (237, 16802), (261, 16853), (274, 16883), (280, 16907), (320, 17009), (344, 17048), (347, 17054), (355, 17069), (371, 17114), (419, 17234), (450, 17291), (467, 17330), (492, 17378), (500, 17405), (504, 17417), (548, 17498), (589, 17543), (668, 17741), (677, 17771), (685, 17789), (696, 17816), (723, 17900), (742, 17918), (749, 17933), (764, 17981), (769, 17996), (802, 18059), (821, 18116), (837, 18155), (858, 18197), (880, 18248), (907, 18344), (929, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 139

Candidate Starts for DRBy19_16:

(Start: 139 @14836 has 218 MA's), (207, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (266, 15049), (282, 15097), (284, 15103), (289, 15121), (300, 15151), (353, 15256), (371, 15310), (375, 15316), (379, 15325), (388, 15346), (398, 15370), (410, 15406), (411, 15412), (425, 15445), (427, 15448), (441, 15457), (467, 15472), (474, 15478), (493, 15496), (497, 15511), (499, 15517), (505, 15535), (506, 15538), (512, 15553), (516, 15568), (520, 15574), (543, 15622), (550, 15634), (554, 15640), (587, 15700), (592, 15712), (606, 15748), (609, 15760), (645, 15835), (648, 15844), (660, 15862), (662, 15868), (670, 15898), (751, 16003), (753, 16015), (765, 16051), (792, 16129), (826, 16249), (843, 16282), (858, 16312), (860, 16324), (864, 16342), (866, 16348), (867, 16351), (869, 16357), (878, 16372), (879, 16375), (882, 16396), (883, 16399), (899, 16441), (904, 16471), (916, 16513), (917, 16519),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 122

Candidate Starts for DS6A_21:

(Start: 104 @16945 has 1 MA's), (110, 16957), (Start: 122 @16975 has 1 MA's), (Start: 169 @17029 has 1 MA's), (212, 17095), (215, 17101), (219, 17107), (226, 17119), (230, 17125), (241, 17146), (246, 17158), (272, 17215), (279, 17242), (286, 17263), (298, 17299), (305, 17311), (320, 17344), (330, 17359), (347, 17389), (355, 17404), (400, 17512), (405, 17527), (409, 17539), (410, 17542), (455, 17611), (466, 17635), (467, 17638), (490, 17689), (500, 17722), (513, 17758), (568, 17818), (581, 17836), (585, 17845), (587, 17848), (613, 17917), (645, 17989), (653, 18007), (665, 18037), (667, 18046), (699, 18142), (701, 18151), (771, 18289), (815, 18385), (816, 18388), (834, 18436), (837,

18442), (879, 18550), (897, 18613), (902, 18637), (914, 18682), (919, 18700), (923, 18706),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for DaHudson_29:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 150

Candidate Starts for DaVinci_31:

(102, 19911), (Start: 130 @19953 has 8 MA's), (Start: 150 @19977 has 625 MA's), (273, 20175), (284, 20214), (319, 20286), (320, 20289), (332, 20307), (353, 20343), (355, 20349), (401, 20460), (403, 20466), (415, 20505), (445, 20547), (467, 20586), (487, 20628), (491, 20631), (509, 20691), (624, 20928), (631, 20943), (668, 21024), (714, 21156), (769, 21282), (788, 21333), (790, 21342), (801, 21381), (802, 21384), (805, 21396), (837, 21480), (877, 21585), (879, 21591), (916, 21726),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 139

Candidate Starts for DaWorst_18:

(Start: 139 @15337 has 218 MA's), (207, 15424), (Start: 233 @15469 has 2 MA's), (242, 15493), (266, 15550), (282, 15598), (284, 15604), (289, 15622), (300, 15652), (353, 15757), (371, 15811), (375, 15817), (379, 15826), (388, 15847), (398, 15871), (410, 15907), (411, 15913), (425, 15946), (427, 15949), (441, 15958), (467, 15973), (474, 15979), (493, 15997), (497, 16012), (499, 16018), (505, 16036), (506, 16039), (512, 16054), (516, 16069), (520, 16075), (543, 16123), (550, 16135), (554, 16141), (587, 16201), (592, 16213), (606, 16249), (609, 16261), (645, 16336), (648, 16345), (660, 16363), (662, 16369), (670, 16399), (751, 16504), (753, 16516), (765, 16552), (792, 16630), (826, 16750), (843, 16783), (858, 16813), (860, 16825), (864, 16843), (866, 16849), (867, 16852), (869, 16858), (878, 16873), (879, 16876), (882, 16897), (883, 16900), (899, 16942), (904, 16972), (916, 17014), (917, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 139

Candidate Starts for DaddyRickover_16:

(Start: 139 @14976 has 218 MA's), (207, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (282, 15237), (284, 15243), (289, 15261), (300, 15291), (353, 15396), (375, 15456), (384, 15477), (388, 15486), (398, 15510), (493, 15636), (497, 15651), (499, 15657), (512, 15693), (513, 15696), (516, 15708), (520, 15714), (543, 15762), (550, 15774), (554, 15780), (587, 15840), (592, 15852), (606, 15888), (609, 15900), (645, 15975), (648, 15984), (660, 16002), (662, 16008), (670, 16038), (751, 16143), (752, 16152), (753, 16155), (765, 16191), (792, 16269), (820, 16368), (826, 16389), (843, 16422), (858, 16452), (864, 16482), (867, 16491), (869, 16497), (878, 16512), (879, 16515), (882, 16536), (883, 16539), (899, 16581), (904, 16611), (916, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 117

Candidate Starts for Daegal_23:

(Start: 117 @17697 has 24 MA's), (123, 17706), (156, 17748), (198, 17799), (210, 17823), (217, 17835), (230, 17856), (237, 17871), (245, 17889), (262, 17922), (273, 17949), (294, 18021), (334, 18111), (373, 18195), (378, 18204), (387, 18225), (411, 18291), (423, 18318), (443, 18351), (459, 18369), (468, 18390), (476, 18405), (478, 18408), (504, 18474), (505, 18477), (535, 18543), (553, 18555), (568, 18564), (576, 18567), (610, 18654), (631, 18708), (659, 18753), (661, 18759), (683, 18831), (696, 18861), (701, 18888), (716, 18924), (719, 18933), (764, 19011), (824, 19155), (831, 19173), (837, 19185), (848, 19200), (849, 19203), (858, 19224), (864, 19236), (882, 19284), (893, 19317), (913, 19392), (917, 19410), (929, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 139

Candidate Starts for Daenerys_16:

(Start: 139 @14808 has 218 MA's), (207, 14895), (Start: 233 @14940 has 2 MA's), (242, 14964), (282, 15069), (284, 15075), (289, 15093), (300, 15123), (353, 15228), (375, 15288), (384, 15309), (388, 15318), (398, 15342), (493, 15468), (497, 15483), (499, 15489), (512, 15525), (513, 15528), (516, 15540), (520, 15546), (543, 15594), (550, 15606), (554, 15612), (587, 15672), (592, 15684), (606, 15720), (609, 15732), (645, 15807), (648, 15816), (660, 15834), (662, 15840), (670, 15870), (751, 15975), (752, 15984), (753, 15987), (765, 16023), (792, 16101), (820, 16200), (826, 16221), (843, 16254), (858, 16284), (864, 16314), (867, 16323), (869, 16329), (878, 16344), (879, 16347), (882, 16368), (883, 16371), (899, 16413), (904, 16443), (916, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 205

Candidate Starts for Daikon_22:

(Start: 144 @19483 has 125 MA's), (Start: 205 @19567 has 48 MA's), (Start: 244 @19645 has 1 MA's), (279, 19732), (284, 19747), (300, 19795), (317, 19834), (359, 19921), (372, 19954), (388, 19990), (400, 20020), (402, 20026), (437, 20095), (495, 20125), (498, 20137), (499, 20140), (520, 20197), (589, 20329), (591, 20335), (614, 20401), (616, 20407), (625, 20431), (648, 20479), (662, 20503), (664, 20512), (688, 20587), (752, 20638), (758, 20653), (809, 20815), (817, 20842), (826, 20872), (868, 20977), (897, 21055), (904, 21091), (907, 21100), (916, 21133), (923, 21148),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 150

Candidate Starts for Daishi_28:

(Start: 150 @19304 has 625 MA's), (Start: 199 @19361 has 1 MA's), (208, 19376), (226, 19409), (237, 19430), (Start: 244 @19445 has 1 MA's), (279, 19532), (283, 19544), (284, 19547), (320, 19622), (330, 19637), (351, 19673), (445, 19880), (500, 19994), (514, 20033), (562, 20120), (613, 20234), (622, 20258), (631, 20276), (668, 20357), (696, 20432), (699, 20450), (708, 20483), (714, 20489), (727, 20528), (752, 20582), (753, 20585), (761, 20606), (780, 20663), (837, 20831), (877, 20936), (879, 20942), (916, 21077),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 162

Candidate Starts for Dalilpop_46:

(Start: 162 @32122 has 92 MA's), (Start: 177 @32137 has 46 MA's), (Start: 190 @32158 has 1 MA's), (237, 32236), (295, 32374), (363, 32503), (378, 32533), (395, 32560), (398, 32569), (403, 32584), (461, 32695), (475, 32725), (477, 32728), (501, 32785), (626, 33010), (648, 33049), (666, 33097), (706, 33223), (733, 33259), (766, 33316), (797, 33370), (821, 33445), (880, 33577), (902, 33652), (904, 33664), (908, 33676), (910, 33685), (923, 33721),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 150

Candidate Starts for Dalmatian_28:

(Start: 130 @20241 has 8 MA's), (Start: 150 @20265 has 625 MA's), (283, 20499), (284, 20502), (319, 20574), (320, 20577), (353, 20631), (367, 20670), (387, 20715), (401, 20748), (445, 20835), (487, 20916), (491, 20919), (614, 21192), (668, 21312), (708, 21438), (743, 21492), (764, 21555), (769, 21570), (771, 21576), (790, 21630), (801, 21669), (805, 21684), (837, 21768), (879, 21879),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Dalmuri_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: DanSyl44_25 Start: 18636, Stop: 20423, Start Num: 118

Candidate Starts for DanSyl44_25:

(Start: 96 @18597 has 3 MA's), (Start: 112 @18627 has 26 MA's), (Start: 115 @18633 has 20 MA's), (Start: 118 @18636 has 149 MA's), (Start: 181 @18693 has 32 MA's), (208, 18741), (230, 18780), (237, 18795), (245, 18813), (261, 18846), (274, 18876), (287, 18921), (294, 18939), (325, 19011), (330, 19017), (347, 19047), (375, 19113), (381, 19125), (433, 19260), (465, 19308), (467, 19314), (476, 19332), (492, 19362), (504, 19401), (505, 19404), (589, 19527), (609, 19587), (610, 19590), (616, 19608), (623, 19623), (685, 19791), (701, 19845), (719, 19890), (744, 19935), (753, 19959), (764, 19992), (777, 20025), (810, 20097), (815, 20109), (834, 20160), (837, 20166), (882, 20268), (917, 20394), (929, 20415),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 150

Candidate Starts for Danforth_23:

(Start: 130 @18610 has 8 MA's), (Start: 150 @18634 has 625 MA's), (222, 18727), (245, 18772), (284, 18871), (300, 18907), (320, 18946), (330, 18961), (351, 18997), (401, 19117), (403, 19123), (467, 19243), (520, 19372), (562, 19444), (613, 19558), (699, 19774), (708, 19807), (753, 19909), (764, 19942), (769, 19957), (780, 19987), (876, 20257), (879, 20266), (880, 20275), (913, 20389),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 139

Candidate Starts for Dante_16:

(Start: 139 @14825 has 218 MA's), (207, 14912), (Start: 233 @14957 has 2 MA's), (242, 14981), (282, 15086), (284, 15092), (289, 15110), (300, 15140), (353, 15245), (375, 15305), (384, 15326), (388, 15335), (398, 15359), (493, 15485), (497, 15500), (499, 15506), (512, 15542), (513, 15545), (516, 15557), (520, 15563), (543, 15611), (550, 15623), (554, 15629), (587, 15689), (592, 15701), (606, 15737), (609, 15749), (645, 15824), (648, 15833), (660, 15851), (662, 15857), (670, 15887), (751, 15992), (752, 16001), (753, 16004), (765, 16040), (792, 16118), (820, 16217), (826, 16238), (843, 16271), (858, 16301), (864, 16331), (867, 16340), (869, 16346), (878, 16361), (879, 16364), (883, 16388), (894, 16418), (899, 16430), (904, 16460), (916, 16502),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 105

Candidate Starts for Danyall_33:

(86, 26333), (Start: 105 @26375 has 84 MA's), (Start: 129 @26411 has 1 MA's), (Start: 155 @26444 has 12 MA's), (274, 26654), (275, 26657), (283, 26687), (310, 26753), (320, 26777), (326, 26786), (345, 26819), (410, 26972), (430, 27011), (466, 27062), (470, 27074), (480, 27092), (486, 27104), (490, 27116), (495, 27131), (504, 27161), (505, 27164), (513, 27185), (581, 27257), (603, 27305), (647, 27416), (665, 27449), (676, 27488), (677, 27491), (701, 27563), (740, 27629), (744, 27641), (815, 27812), (819, 27824), (821, 27830), (834, 27863), (852, 27890), (860, 27917), (877, 27971), (908, 28088), (914, 28109), (925, 28136),

Gene: Dardanus_24 Start: 16682, Stop: 18013, Start Num: 267

Candidate Starts for Dardanus_24:

(Start: 267 @16682 has 11 MA's), (277, 16703), (352, 16847), (367, 16889), (387, 16934), (395, 16949), (414, 17009), (Start: 417 @17018 has 1 MA's), (465, 17102), (588, 17216), (600, 17225), (614, 17270), (659, 17345), (665, 17372), (681, 17426), (704, 17498), (764, 17591), (766, 17597), (785, 17630), (821, 17717), (875, 17828), (884, 17873), (891, 17897), (897, 17909), (898, 17912), (904, 17945),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 163

Candidate Starts for Daredevil_29:

(92, 25364), (Start: 163 @25466 has 16 MA's), (231, 25577), (252, 25628), (272, 25676), (314, 25808), (354, 25883), (370, 25931), (405, 26015), (451, 26153), (484, 26252), (515, 26345), (520, 26357), (523, 26363), (534, 26387), (554, 26423), (556, 26429), (609, 26549), (621, 26582), (625, 26594),

(658, 26654), (688, 26756), (751, 26798), (758, 26822), (799, 26945), (821, 27020), (826, 27038), (871, 27152), (930, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Darionha_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Darrell_30 Start: 21743, Stop: 23533, Start Num: 150

Candidate Starts for Darrell_30:

(Start: 130 @21719 has 8 MA's), (Start: 150 @21743 has 625 MA's), (283, 21977), (284, 21980), (319, 22052), (320, 22055), (330, 22070), (353, 22109), (355, 22115), (361, 22133), (401, 22226), (411, 22259), (445, 22313), (487, 22394), (491, 22397), (541, 22523), (580, 22583), (608, 22646), (614, 22670), (616, 22676), (631, 22709), (708, 22916), (718, 22934), (726, 22958), (734, 22970), (753, 23018), (764, 23051), (769, 23066), (771, 23072), (801, 23165), (802, 23168), (805, 23180), (837, 23264), (864, 23330), (877, 23369), (879, 23375), (890, 23420), (907, 23477), (908, 23480),

Gene: DartGoblin_23 Start: 17081, Stop: 18847, Start Num: 118

Candidate Starts for DartGoblin_23:

(Start: 118 @17081 has 149 MA's), (Start: 144 @17111 has 125 MA's), (245, 17270), (261, 17303), (274, 17333), (283, 17366), (287, 17378), (325, 17468), (351, 17510), (381, 17582), (385, 17591), (401, 17630), (415, 17675), (426, 17699), (467, 17771), (487, 17813), (492, 17819), (500, 17846), (589, 17984), (598, 18002), (609, 18044), (615, 18062), (628, 18092), (643, 18119), (685, 18224), (716, 18314), (765, 18419), (777, 18449), (786, 18458), (815, 18533), (834, 18584), (907, 18779), (917, 18818), (919, 18821), (929, 18839),

Gene: DARTH_P_22 Start: 17578, Stop: 19344, Start Num: 118

Candidate Starts for DARTH_P_22:

(Start: 96 @17539 has 3 MA's), (Start: 112 @17569 has 26 MA's), (Start: 118 @17578 has 149 MA's), (Start: 144 @17608 has 125 MA's), (230, 17734), (237, 17749), (245, 17767), (261, 17800), (283, 17863), (287, 17875), (294, 17893), (325, 17965), (347, 18001), (351, 18007), (385, 18088), (424, 18193), (426, 18196), (446, 18232), (467, 18268), (487, 18310), (492, 18316), (500, 18343), (513, 18379), (598, 18499), (628, 18589), (643, 18616), (665, 18661), (685, 18721), (707, 18796), (719, 18820), (753, 18880), (765, 18916), (777, 18946), (815, 19030), (834, 19081), (882, 19189), (917, 19315), (919, 19318), (929, 19336),

Gene: DARTHPhader_29 Start: 21735, Stop: 23507, Start Num: 150

Candidate Starts for DARTHPhader_29:

(102, 21669), (Start: 130 @21711 has 8 MA's), (Start: 150 @21735 has 625 MA's), (253, 21888), (283, 21969), (284, 21972), (319, 22044), (320, 22047), (353, 22101), (355, 22107), (375, 22158), (401, 22218), (415, 22263), (445, 22305), (487, 22386), (631, 22701), (668, 22782), (673, 22797), (714, 22914), (764, 23025), (769, 23040), (778, 23064), (801, 23139), (805, 23154), (817, 23187), (837, 23238), (877, 23343), (916, 23484),

Gene: Dartin_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Dartin_23:

(Start: 112 @16505 has 26 MA's), (Start: 118 @16514 has 149 MA's), (Start: 121 @16520 has 44 MA's), (Start: 144 @16544 has 125 MA's), (Start: 181 @16583 has 32 MA's), (230, 16670), (237, 16685), (245, 16703), (261, 16736), (325, 16901), (347, 16937), (381, 17015), (385, 17024), (424,

17129), (426, 17132), (449, 17171), (465, 17198), (467, 17204), (487, 17246), (492, 17252), (500, 17279), (589, 17417), (598, 17435), (628, 17525), (643, 17552), (662, 17585), (685, 17657), (701, 17711), (716, 17747), (724, 17771), (753, 17816), (764, 17849), (769, 17864), (777, 17882), (786, 17891), (815, 17966), (834, 18017), (837, 18023), (882, 18125), (917, 18251), (919, 18254), (929, 18272),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 165

Candidate Starts for Darwin_34:

(Start: 165 @28167 has 39 MA's), (241, 28266), (273, 28335), (284, 28374), (354, 28509), (378, 28569), (434, 28695), (464, 28722), (469, 28734), (473, 28743), (475, 28746), (496, 28791), (501, 28806), (504, 28815), (507, 28824), (531, 28878), (539, 28896), (586, 28950), (681, 29166), (718, 29259), (783, 29367), (805, 29421), (833, 29496), (884, 29625), (922, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 163

Candidate Starts for DatBoi_31:

(Start: 163 @27896 has 16 MA's), (225, 27998), (293, 28181), (354, 28313), (362, 28343), (370, 28361), (418, 28484), (520, 28610), (523, 28616), (547, 28667), (556, 28682), (609, 28802), (621, 28835), (688, 29009), (758, 29075), (817, 29261), (821, 29273), (857, 29351), (871, 29405), (926, 29573), (930, 29597),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 150

Candidate Starts for Datway_27:

(Start: 130 @19811 has 8 MA's), (Start: 150 @19835 has 625 MA's), (Start: 155 @19841 has 12 MA's), (Start: 199 @19895 has 1 MA's), (237, 19964), (273, 20042), (279, 20066), (284, 20081), (300, 20117), (320, 20156), (330, 20171), (353, 20210), (393, 20303), (401, 20327), (445, 20414), (500, 20528), (514, 20567), (562, 20654), (587, 20699), (613, 20768), (622, 20792), (627, 20804), (668, 20891), (696, 20966), (699, 20984), (701, 20993), (708, 21017), (714, 21023), (719, 21038), (734, 21071), (752, 21116), (753, 21119), (761, 21140), (837, 21365), (868, 21443), (877, 21470), (879, 21476), (916, 21611),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 139

Candidate Starts for DeadP_16:

(Start: 139 @14839 has 218 MA's), (207, 14926), (Start: 233 @14971 has 2 MA's), (242, 14995), (282, 15100), (284, 15106), (289, 15124), (300, 15154), (353, 15259), (375, 15319), (382, 15337), (384, 15340), (388, 15349), (398, 15373), (493, 15499), (497, 15514), (499, 15520), (512, 15556), (513, 15559), (516, 15571), (520, 15577), (543, 15625), (550, 15637), (554, 15643), (587, 15703), (592, 15715), (606, 15751), (609, 15763), (645, 15838), (648, 15847), (660, 15865), (662, 15871), (670, 15901), (751, 16006), (752, 16015), (753, 16018), (765, 16054), (792, 16132), (820, 16231), (826, 16252), (843, 16285), (858, 16315), (864, 16345), (867, 16354), (869, 16360), (878, 16375), (879, 16378), (883, 16402), (894, 16432), (899, 16444), (904, 16474), (916, 16516),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 150

Candidate Starts for Deano_27:

(Start: 130 @19811 has 8 MA's), (Start: 150 @19835 has 625 MA's), (Start: 199 @19892 has 1 MA's), (230, 19946), (237, 19961), (245, 19979), (279, 20063), (283, 20075), (284, 20078), (320, 20153), (330, 20168), (353, 20207), (401, 20324), (445, 20411), (487, 20492), (505, 20540), (514, 20564), (562, 20651), (587, 20696), (614, 20768), (622, 20789), (631, 20807), (668, 20888), (699, 20981), (701, 20990), (708, 21014), (714, 21020), (722, 21044), (753, 21098), (761, 21119), (778, 21170), (787, 21194), (802, 21248), (837, 21344), (877, 21449), (880, 21464), (911, 21572), (916, 21590),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for Deb65_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (375, 15285), (384, 15306), (388, 15315), (398, 15339), (493, 15465), (497, 15480), (499, 15486), (512, 15522), (513, 15525), (516, 15537), (520, 15543), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (645, 15804), (648, 15813), (660, 15831), (662, 15837), (670, 15867), (751, 15972), (753, 15984), (765, 16020), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (882, 16365), (883, 16368), (899, 16410), (904, 16440), (916, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for Deby_23:

(Start: 118 @17122 has 149 MA's), (Start: 144 @17152 has 125 MA's), (245, 17311), (261, 17344), (274, 17374), (283, 17407), (287, 17419), (325, 17509), (351, 17551), (381, 17623), (385, 17632), (401, 17671), (415, 17716), (424, 17737), (426, 17740), (459, 17794), (467, 17812), (487, 17854), (492, 17860), (500, 17887), (589, 18025), (598, 18043), (609, 18085), (615, 18103), (628, 18133), (643, 18160), (685, 18265), (753, 18424), (765, 18460), (777, 18490), (786, 18499), (815, 18574), (834, 18625), (907, 18820), (917, 18859), (919, 18862), (929, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for DeepSoil15_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: DeerParkTS_29 Start: 20246, Stop: 22018, Start Num: 150

Candidate Starts for DeerParkTS_29:

(Start: 130 @20222 has 8 MA's), (Start: 150 @20246 has 625 MA's), (Start: 244 @20381 has 1 MA's), (253, 20399), (266, 20429), (283, 20480), (284, 20483), (319, 20555), (320, 20558), (353, 20612), (401, 20729), (407, 20747), (411, 20762), (445, 20816), (478, 20876), (487, 20897), (491, 20900), (580, 21086), (614, 21173), (631, 21212), (668, 21293), (714, 21425), (743, 21473), (764, 21536), (769, 21551), (771, 21557), (790, 21611), (801, 21650), (805, 21665), (817, 21698), (837, 21749), (894, 21914),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 130

Candidate Starts for DekHockey33_30:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 174

Candidate Starts for DelRio_23:

(Start: 106 @18277 has 2 MA's), (Start: 174 @18352 has 18 MA's), (230, 18445), (237, 18460), (241, 18466), (274, 18541), (295, 18613), (348, 18724), (367, 18769), (375, 18787), (381, 18799), (465, 18970), (468, 18979), (470, 18985), (487, 19018), (510, 19081), (535, 19132), (568, 19156), (587, 19180), (613, 19255), (628, 19294), (681, 19426), (722, 19540), (764, 19627), (814, 19741), (817, 19750), (864, 19855), (895, 19942), (929, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 177

Candidate Starts for Delian_19:

(Start: 141 @16638 has 4 MA's), (Start: 177 @16674 has 46 MA's), (237, 16776), (271, 16848), (273, 16854), (274, 16857), (316, 16953), (338, 16992), (377, 17073), (400, 17127), (405, 17142), (459, 17238), (495, 17313), (504, 17343), (617, 17526), (627, 17550), (687, 17694), (695, 17706), (713, 17766), (765, 17898), (766, 17901), (810, 18000), (817, 18018), (837, 18069), (868, 18135), (889, 18198), (894, 18210),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 150

Candidate Starts for Deloris_29:

(Start: 130 @20596 has 8 MA's), (Start: 150 @20620 has 625 MA's), (226, 20719), (283, 20854), (284, 20857), (319, 20929), (320, 20932), (353, 20986), (355, 20992), (367, 21025), (387, 21070), (401, 21103), (445, 21190), (487, 21271), (491, 21274), (504, 21316), (580, 21460), (614, 21547), (664, 21652), (668, 21667), (708, 21793), (714, 21799), (743, 21847), (769, 21925), (771, 21931), (790, 21985), (801, 22024), (805, 22039), (837, 22123), (879, 22234),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 172

Candidate Starts for Delrey21_34:

(Start: 125 @30887 has 1 MA's), (Start: 172 @30944 has 18 MA's), (189, 30965), (226, 31028), (259, 31091), (279, 31151), (283, 31163), (325, 31250), (355, 31301), (365, 31331), (401, 31412), (410, 31439), (468, 31538), (485, 31568), (489, 31577), (501, 31613), (525, 31673), (581, 31721), (585, 31730), (627, 31829), (650, 31868), (660, 31880), (704, 32036), (708, 32048), (721, 32075), (764, 32132), (785, 32171), (792, 32180), (808, 32237), (812, 32249), (830, 32297), (834, 32306), (837, 32312), (850, 32333), (880, 32411), (919, 32549),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 155

Candidate Starts for Demsculpinboyz_19:

(Start: 155 @13737 has 12 MA's), (212, 13818), (230, 13848), (241, 13869), (246, 13881), (275, 13947), (286, 13986), (289, 13998), (298, 14022), (328, 14079), (330, 14082), (343, 14106), (347, 14112), (348, 14115), (367, 14160), (375, 14178), (393, 14214), (409, 14262), (445, 14325), (467, 14361), (480, 14388), (486, 14400), (487, 14403), (500, 14445), (504, 14457), (513, 14481), (568, 14535), (613, 14634), (661, 14727), (668, 14754), (672, 14766), (697, 14817), (699, 14832), (815, 15075), (816, 15078), (817, 15081), (864, 15198), (879, 15240), (902, 15324), (914, 15369), (919, 15387),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 165

Candidate Starts for Denise_17:

(Start: 165 @14794 has 39 MA's), (239, 14911), (271, 14983), (272, 14986), (299, 15061), (320, 15100), (330, 15115), (355, 15157), (363, 15184), (403, 15274), (404, 15277), (467, 15409), (495, 15463), (524, 15544), (568, 15604), (575, 15610), (616, 15697), (648, 15769), (659, 15787), (668, 15826), (696, 15898), (697, 15901), (700, 15922), (810, 16156), (816, 16171), (821, 16186), (831, 16213), (867, 16306), (868, 16309), (882, 16357), (891, 16387), (897, 16399), (907, 16444),

Gene: Derg_30 Start: 29475, Stop: 31238, Start Num: 105

Candidate Starts for Derg_30:

(Start: 105 @29475 has 84 MA's), (Start: 129 @29511 has 1 MA's), (220, 29640), (226, 29649), (272, 29745), (275, 29754), (296, 29823), (320, 29874), (326, 29883), (347, 29919), (355, 29934), (361, 29952), (391, 30015), (407, 30060), (410, 30069), (480, 30189), (487, 30204), (495, 30228), (504, 30258), (631, 30480), (641, 30498), (647, 30513), (667, 30555), (668, 30558), (676, 30585), (723, 30705), (757, 30768), (815, 30909), (816, 30912), (834, 30960), (852, 30987), (860, 31014), (877, 31068), (883, 31095),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 118

Candidate Starts for Devera_23:

(Start: 118 @17169 has 149 MA's), (Start: 144 @17199 has 125 MA's), (245, 17358), (261, 17391), (274, 17421), (283, 17454), (287, 17466), (325, 17556), (347, 17592), (351, 17598), (381, 17670), (385, 17679), (401, 17718), (415, 17763), (416, 17766), (424, 17784), (426, 17787), (467, 17859), (487, 17901), (492, 17907), (500, 17934), (513, 17970), (548, 18027), (589, 18072), (598, 18090), (615, 18150), (628, 18180), (643, 18207), (685, 18312), (716, 18402), (753, 18471), (765, 18507), (777, 18537), (786, 18546), (815, 18621), (834, 18672), (880, 18771), (897, 18822), (917, 18906), (919, 18909), (929, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Dewey_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Dexdert_33 Start: 27970, Stop: 29589, Start Num: 175

Candidate Starts for Dexdert_33:

(Start: 175 @27970 has 10 MA's), (189, 27991), (226, 28054), (279, 28177), (283, 28189), (310, 28246), (355, 28324), (405, 28447), (468, 28561), (485, 28591), (500, 28633), (525, 28696), (581, 28744), (585, 28753), (609, 28804), (627, 28852), (695, 29017), (701, 29047), (764, 29155), (765, 29158), (792, 29203), (808, 29260), (810, 29266), (812, 29272), (830, 29320), (834, 29329), (837, 29335), (840, 29338), (864, 29389), (880, 29434), (900, 29503), (913, 29551), (916, 29563),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 152

Candidate Starts for Dexes_28:

(Start: 152 @21780 has 219 MA's), (Start: 173 @21801 has 4 MA's), (Start: 199 @21843 has 1 MA's), (223, 21888), (320, 22104), (347, 22149), (353, 22158), (367, 22197), (391, 22248), (393, 22251), (491, 22446), (613, 22716), (614, 22719), (622, 22740), (667, 22836), (668, 22839), (670, 22845), (696, 22914), (699, 22932), (701, 22941), (714, 22971), (753, 23067), (764, 23100), (769, 23115), (815, 23256), (837, 23313), (879, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 150

Candidate Starts for Dhanush_27:

(Start: 130 @19806 has 8 MA's), (Start: 150 @19830 has 625 MA's), (Start: 199 @19887 has 1 MA's), (230, 19941), (237, 19956), (245, 19974), (279, 20058), (283, 20070), (284, 20073), (320, 20148), (330, 20163), (353, 20202), (401, 20319), (445, 20406), (487, 20487), (505, 20535), (514, 20559), (562, 20646), (587, 20691), (614, 20763), (622, 20784), (631, 20802), (668, 20883), (699, 20976), (701, 20985), (708, 21009), (714, 21015), (722, 21039), (753, 21093), (761, 21114), (778, 21165), (787, 21189), (802, 21243), (837, 21339), (877, 21444), (880, 21459), (911, 21567), (916, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for Dieselweasel_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (650, 21391), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877,

22012), (879, 22018), (916, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 150

Candidate Starts for Dignity_30:

(Start: 130 @20617 has 8 MA's), (Start: 150 @20641 has 625 MA's), (226, 20740), (266, 20824), (283, 20875), (284, 20878), (319, 20950), (320, 20953), (353, 21007), (367, 21046), (401, 21124), (445, 21211), (487, 21292), (491, 21295), (580, 21481), (614, 21568), (664, 21673), (668, 21688), (708, 21814), (714, 21820), (743, 21868), (769, 21946), (771, 21952), (790, 22006), (801, 22045), (805, 22060), (837, 22144), (879, 22255),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 139

Candidate Starts for DillTech15_16:

(Start: 139 @14841 has 218 MA's), (207, 14928), (Start: 233 @14973 has 2 MA's), (242, 14997), (282, 15102), (284, 15108), (289, 15126), (300, 15156), (353, 15261), (371, 15315), (375, 15321), (379, 15330), (388, 15351), (398, 15375), (410, 15411), (411, 15417), (425, 15450), (427, 15453), (441, 15462), (467, 15477), (474, 15483), (493, 15501), (497, 15516), (499, 15522), (505, 15540), (506, 15543), (512, 15558), (516, 15573), (520, 15579), (543, 15627), (550, 15639), (554, 15645), (587, 15705), (592, 15717), (606, 15753), (609, 15765), (645, 15840), (648, 15849), (660, 15867), (662, 15873), (751, 16008), (753, 16020), (765, 16056), (826, 16254), (843, 16287), (858, 16317), (864, 16347), (867, 16356), (869, 16362), (878, 16377), (879, 16380), (882, 16401), (883, 16404), (899, 16446), (904, 16476), (916, 16518), (917, 16524),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 128

Candidate Starts for Dina_17:

(Start: 128 @16286 has 8 MA's), (143, 16307), (206, 16391), (220, 16418), (223, 16424), (281, 16556), (305, 16607), (320, 16640), (325, 16649), (391, 16784), (403, 16817), (409, 16835), (439, 16889), (467, 16934), (495, 16991), (498, 17003), (512, 17042), (563, 17093), (568, 17102), (582, 17123), (609, 17189), (650, 17279), (692, 17387), (706, 17441), (708, 17447), (718, 17465), (772, 17561), (787, 17582), (805, 17627), (866, 17786), (872, 17801), (878, 17816), (880, 17828), (923, 17972),

Gene: DingDing_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for DingDing_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 168

Candidate Starts for Dinger_23:

(Start: 168 @16304 has 10 MA's), (Start: 181 @16319 has 32 MA's), (220, 16388), (241, 16424), (320, 16610), (383, 16739), (401, 16781), (407, 16799), (410, 16808), (Start: 417 @16832 has 1 MA's), (430, 16850), (458, 16880), (465, 16895), (466, 16898), (483, 16937), (491, 16946), (520, 17030), (608, 17147), (614, 17171), (667, 17285), (696, 17363), (704, 17402), (708, 17414), (715, 17423), (743, 17444), (769, 17522), (831, 17669), (871, 17768), (877, 17783), (923, 17936),

Gene: DinoDaryn_24 Start: 16702, Stop: 18030, Start Num: 267

Candidate Starts for DinoDaryn_24:

(Start: 267 @16702 has 11 MA's), (276, 16717), (331, 16831), (350, 16861), (367, 16906), (387, 16951), (409, 17008), (414, 17026), (Start: 417 @17035 has 1 MA's), (429, 17059), (431, 17065), (432, 17068), (465, 17119), (472, 17131), (539, 17173), (583, 17224), (588, 17233), (600, 17242), (614, 17287), (667, 17398), (681, 17443), (703, 17512), (717, 17533), (766, 17614), (785, 17647), (821,

17734), (837, 17770), (847, 17785), (851, 17794), (868, 17836), (898, 17929), (901, 17947), (916, 18004), (920, 18013),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 233

Candidate Starts for DirtMcgirt_17:

(Start: 139 @14630 has 218 MA's), (207, 14717), (Start: 233 @14762 has 2 MA's), (242, 14786), (266, 14843), (282, 14891), (284, 14897), (289, 14915), (300, 14945), (353, 15050), (371, 15104), (375, 15110), (379, 15119), (384, 15131), (388, 15140), (398, 15164), (410, 15200), (411, 15206), (415, 15218), (425, 15239), (427, 15242), (441, 15251), (467, 15266), (474, 15272), (493, 15290), (497, 15305), (499, 15311), (505, 15329), (506, 15332), (512, 15347), (516, 15362), (520, 15368), (534, 15398), (543, 15416), (550, 15428), (554, 15434), (587, 15494), (592, 15506), (606, 15542), (609, 15554), (616, 15575), (645, 15629), (648, 15638), (662, 15662), (670, 15692), (751, 15797), (753, 15809), (765, 15845), (779, 15884), (792, 15923), (820, 16022), (826, 16043), (843, 16076), (858, 16106), (864, 16136), (867, 16145), (869, 16151), (878, 16166), (879, 16169), (882, 16190), (883, 16193), (899, 16235), (904, 16265), (916, 16307), (917, 16313),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 157

Candidate Starts for DirtyBoi_20:

(Start: 129 @16928 has 1 MA's), (Start: 157 @16958 has 7 MA's), (226, 17060), (249, 17111), (275, 17168), (289, 17219), (325, 17297), (330, 17303), (400, 17453), (466, 17576), (492, 17636), (503, 17672), (518, 17714), (565, 17756), (581, 17780), (596, 17810), (699, 18071), (736, 18146), (757, 18188), (771, 18233), (815, 18329), (816, 18332), (821, 18347), (881, 18506), (882, 18512), (908, 18599), (923, 18644),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 150

Candidate Starts for DirtyDunning_27:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 199 @19880 has 1 MA's), (230, 19934), (237, 19949), (245, 19967), (279, 20051), (283, 20063), (284, 20066), (320, 20141), (330, 20156), (353, 20195), (401, 20312), (445, 20399), (487, 20480), (505, 20528), (514, 20552), (562, 20639), (587, 20684), (614, 20756), (622, 20777), (631, 20795), (668, 20876), (699, 20969), (701, 20978), (708, 21002), (714, 21008), (722, 21032), (753, 21086), (761, 21107), (778, 21158), (787, 21182), (837, 21332), (877, 21437), (880, 21452), (911, 21560), (916, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 150

Candidate Starts for Discoknowium_24:

(Start: 150 @19773 has 625 MA's), (230, 19878), (245, 19911), (284, 20010), (320, 20085), (330, 20100), (351, 20136), (381, 20208), (387, 20223), (401, 20256), (403, 20262), (509, 20487), (513, 20493), (562, 20583), (610, 20688), (613, 20697), (631, 20739), (640, 20757), (667, 20817), (668, 20820), (696, 20895), (699, 20913), (752, 21054), (764, 21090), (837, 21303), (876, 21405), (879, 21414), (910, 21528), (916, 21549), (919, 21558),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 115

Candidate Starts for DismalFunk_19:

(Start: 96 @14977 has 3 MA's), (Start: 112 @15007 has 26 MA's), (Start: 115 @15013 has 20 MA's), (Start: 138 @15028 has 76 MA's), (Start: 181 @15070 has 32 MA's), (208, 15118), (230, 15157), (237, 15172), (261, 15223), (274, 15253), (283, 15286), (287, 15298), (294, 15316), (325, 15388), (330, 15394), (375, 15490), (381, 15502), (419, 15604), (426, 15619), (446, 15655), (467, 15691), (492, 15739), (504, 15778), (513, 15802), (516, 15814), (589, 15904), (593, 15913), (685, 16159), (701, 16213), (722, 16267), (777, 16381), (786, 16390), (815, 16465), (834, 16516), (837, 16522), (877, 16603), (880, 16618), (898, 16672), (917, 16753), (929, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 115

Candidate Starts for DismalStressor_19:

(Start: 96 @14977 has 3 MA's), (Start: 112 @15007 has 26 MA's), (Start: 115 @15013 has 20 MA's), (Start: 138 @15028 has 76 MA's), (Start: 181 @15070 has 32 MA's), (208, 15118), (230, 15157), (237, 15172), (261, 15223), (274, 15253), (283, 15286), (287, 15298), (294, 15316), (325, 15388), (330, 15394), (375, 15490), (381, 15502), (419, 15604), (426, 15619), (446, 15655), (467, 15691), (492, 15739), (504, 15778), (513, 15802), (516, 15814), (589, 15904), (593, 15913), (685, 16159), (701, 16213), (722, 16267), (777, 16381), (786, 16390), (815, 16465), (834, 16516), (837, 16522), (877, 16603), (880, 16618), (898, 16672), (917, 16753), (929, 16774),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 150

Candidate Starts for Dixon_24:

(Start: 130 @18629 has 8 MA's), (Start: 150 @18653 has 625 MA's), (222, 18746), (245, 18791), (284, 18890), (300, 18926), (320, 18965), (330, 18980), (351, 19016), (401, 19136), (403, 19142), (467, 19262), (520, 19391), (562, 19463), (613, 19577), (699, 19793), (708, 19826), (753, 19928), (764, 19961), (769, 19976), (780, 20006), (876, 20276), (879, 20285), (880, 20294), (913, 20408),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 157

Candidate Starts for Dmitri_19:

(120, 17460), (Start: 129 @17472 has 1 MA's), (Start: 157 @17502 has 7 MA's), (226, 17604), (249, 17655), (275, 17712), (289, 17763), (325, 17841), (330, 17847), (400, 17997), (466, 18120), (492, 18180), (503, 18216), (518, 18258), (565, 18300), (596, 18354), (699, 18615), (736, 18690), (757, 18732), (771, 18777), (815, 18873), (816, 18876), (821, 18891), (881, 19050), (882, 19056), (908, 19143), (923, 19188),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 138

Candidate Starts for DmpstrDiver_35:

(Start: 138 @27492 has 76 MA's), (Start: 205 @27582 has 48 MA's), (230, 27630), (242, 27660), (255, 27687), (292, 27789), (301, 27819), (322, 27870), (347, 27918), (360, 27954), (362, 27960), (372, 27981), (402, 28053), (405, 28062), (411, 28083), (499, 28191), (500, 28194), (505, 28209), (520, 28248), (543, 28296), (550, 28308), (554, 28314), (572, 28362), (577, 28371), (589, 28392), (597, 28410), (612, 28458), (660, 28560), (680, 28632), (698, 28677), (700, 28689), (710, 28824), (711, 28830), (712, 28854), (739, 28926), (750, 28953), (828, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for DoRead_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (375, 15254), (379, 15263), (382, 15272), (384, 15275), (388, 15284), (396, 15302), (398, 15308), (425, 15383), (493, 15434), (497, 15449), (499, 15455), (512, 15491), (513, 15494), (516, 15506), (520, 15512), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (645, 15773), (648, 15782), (660, 15800), (662, 15806), (670, 15836), (751, 15941), (752, 15950), (753, 15953), (765, 15989), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (883, 16337), (894, 16367), (899, 16379), (904, 16409), (916, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 162

Candidate Starts for DobbysSock_19:

(87, 16703), (Start: 162 @16820 has 92 MA's), (312, 17078), (323, 17099), (355, 17153), (368, 17192), (396, 17249), (403, 17270), (526, 17441), (534, 17459), (552, 17483), (575, 17504), (603, 17546), (631, 17627), (667, 17717), (700, 17819), (701, 17822), (722, 17876), (851, 18146), (880, 18245), (882, 18254), (891, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for DocMcStuffins_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (293, 14971), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (384, 15178), (388, 15187), (398, 15211), (410, 15247), (411, 15253), (415, 15265), (425, 15286), (427, 15289), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (597, 15562), (606, 15589), (609, 15601), (645, 15676), (648, 15685), (660, 15703), (662, 15709), (670, 15739), (751, 15844), (752, 15853), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (826, 16090), (843, 16123), (858, 16153), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (883, 16240), (899, 16282), (916, 16354), (917, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 205

Candidate Starts for DoctorDiddles_24:

(Start: 144 @18908 has 125 MA's), (Start: 205 @18992 has 48 MA's), (Start: 244 @19070 has 1 MA's), (279, 19157), (284, 19172), (300, 19220), (317, 19259), (359, 19346), (372, 19379), (388, 19415), (400, 19445), (402, 19451), (437, 19520), (495, 19550), (498, 19562), (499, 19565), (520, 19622), (589, 19754), (591, 19760), (614, 19826), (616, 19832), (625, 19856), (648, 19904), (662, 19928), (664, 19937), (688, 20012), (752, 20063), (758, 20078), (809, 20240), (817, 20267), (826, 20297), (868, 20402), (897, 20480), (904, 20516), (907, 20525), (916, 20558), (923, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 172

Candidate Starts for DoctorFroggo_34:

(Start: 125 @30887 has 1 MA's), (Start: 172 @30944 has 18 MA's), (189, 30965), (226, 31028), (259, 31091), (279, 31151), (283, 31163), (325, 31250), (355, 31301), (365, 31331), (401, 31412), (410, 31439), (468, 31538), (485, 31568), (489, 31577), (501, 31613), (525, 31673), (581, 31721), (585, 31730), (627, 31829), (650, 31868), (660, 31880), (704, 32036), (708, 32048), (721, 32075), (764, 32132), (785, 32171), (792, 32180), (808, 32237), (812, 32249), (830, 32297), (834, 32306), (837, 32312), (850, 32333), (880, 32411), (919, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 193

Candidate Starts for Dogfish_21:

(Start: 193 @18185 has 3 MA's), (238, 18275), (247, 18299), (248, 18305), (280, 18383), (302, 18449), (304, 18455), (358, 18566), (360, 18575), (370, 18602), (376, 18611), (385, 18632), (497, 18803), (498, 18806), (523, 18872), (531, 18887), (558, 18941), (566, 18971), (579, 18980), (601, 19022), (606, 19043), (622, 19091), (626, 19103), (636, 19130), (668, 19199), (693, 19268), (751, 19301), (768, 19358), (788, 19409), (806, 19478), (839, 19565), (846, 19580), (865, 19637), (868, 19646), (895, 19724), (898, 19730),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 157

Candidate Starts for Doggs_18:

(34, 16734), (50, 16884), (Start: 129 @17175 has 1 MA's), (Start: 157 @17205 has 7 MA's), (226, 17307), (241, 17334), (246, 17346), (249, 17358), (275, 17415), (289, 17466), (297, 17487), (325, 17544), (330, 17550), (400, 17700), (466, 17823), (492, 17883), (503, 17919), (565, 18003), (596, 18057), (699, 18318), (734, 18390), (736, 18393), (757, 18435), (771, 18480), (815, 18576), (816, 18579), (821, 18594), (881, 18753), (882, 18759), (908, 18846), (923, 18891),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Dole_23:

(Start: 118 @17171 has 149 MA's), (Start: 144 @17201 has 125 MA's), (245, 17360), (261, 17393), (274, 17423), (283, 17456), (287, 17468), (325, 17558), (347, 17594), (351, 17600), (381, 17672), (385, 17681), (401, 17720), (415, 17765), (416, 17768), (424, 17786), (426, 17789), (467, 17861), (487, 17903), (492, 17909), (500, 17936), (513, 17972), (548, 18029), (589, 18074), (598, 18092), (615, 18152), (628, 18182), (643, 18209), (685, 18314), (716, 18404), (753, 18473), (765, 18509),

(777, 18539), (786, 18548), (815, 18623), (834, 18674), (880, 18773), (897, 18824), (917, 18908), (919, 18911), (929, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 162

Candidate Starts for Dolores_20:

(87, 17205), (Start: 162 @17322 has 92 MA's), (312, 17580), (323, 17601), (355, 17655), (368, 17694), (396, 17751), (403, 17772), (526, 17943), (534, 17961), (552, 17985), (575, 18006), (603, 18048), (631, 18129), (667, 18219), (681, 18264), (700, 18321), (701, 18324), (722, 18378), (770, 18468), (880, 18747), (882, 18756), (891, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 163

Candidate Starts for DonkeyMan_18:

(Start: 163 @14949 has 16 MA's), (226, 15048), (239, 15072), (283, 15183), (284, 15186), (290, 15204), (296, 15213), (333, 15279), (341, 15294), (346, 15303), (349, 15309), (381, 15381), (389, 15399), (409, 15453), (411, 15462), (445, 15516), (467, 15552), (468, 15555), (513, 15663), (578, 15735), (581, 15741), (585, 15750), (594, 15768), (631, 15858), (680, 15972), (687, 15990), (695, 16002), (716, 16068), (757, 16116), (761, 16128), (764, 16140), (771, 16161), (777, 16173), (792, 16188), (802, 16218), (814, 16254), (890, 16443), (908, 16506), (914, 16527), (923, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 139

Candidate Starts for Donkeykong_16:

(Start: 139 @14982 has 218 MA's), (207, 15069), (Start: 233 @15114 has 2 MA's), (242, 15138), (266, 15195), (282, 15243), (284, 15249), (289, 15267), (300, 15297), (353, 15402), (375, 15462), (379, 15471), (388, 15492), (398, 15516), (411, 15558), (425, 15591), (441, 15603), (467, 15618), (474, 15624), (493, 15642), (497, 15657), (499, 15663), (512, 15699), (516, 15714), (520, 15720), (543, 15768), (550, 15780), (554, 15786), (587, 15846), (592, 15858), (606, 15894), (609, 15906), (645, 15981), (648, 15990), (660, 16008), (662, 16014), (670, 16044), (751, 16149), (752, 16158), (753, 16161), (765, 16197), (792, 16275), (820, 16374), (826, 16395), (843, 16428), (858, 16458), (864, 16488), (867, 16497), (869, 16503), (878, 16518), (879, 16521), (883, 16545), (894, 16575), (899, 16587), (904, 16617), (916, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 134

Candidate Starts for Donovan_19:

(Start: 116 @16350 has 3 MA's), (Start: 134 @16374 has 48 MA's), (184, 16434), (195, 16455), (197, 16458), (259, 16578), (274, 16617), (283, 16650), (292, 16674), (342, 16794), (359, 16833), (360, 16839), (396, 16923), (398, 16929), (402, 16941), (410, 16965), (420, 16992), (437, 17010), (480, 17049), (493, 17055), (500, 17079), (520, 17133), (526, 17145), (531, 17154), (560, 17214), (597, 17292), (609, 17331), (621, 17364), (648, 17430), (659, 17445), (662, 17454), (668, 17478), (676, 17508), (680, 17520), (763, 17622), (767, 17634), (768, 17637), (770, 17643), (774, 17652), (807, 17760), (836, 17844), (874, 17943), (907, 18051), (923, 18099),

Gene: DontArgue_26 Start: 18145, Stop: 19923, Start Num: 150

Candidate Starts for DontArgue_26:

(Start: 130 @18121 has 8 MA's), (Start: 150 @18145 has 625 MA's), (Start: 199 @18202 has 1 MA's), (208, 18217), (223, 18247), (237, 18271), (283, 18385), (284, 18388), (320, 18463), (401, 18634), (445, 18721), (483, 18796), (500, 18835), (562, 18961), (587, 19006), (622, 19099), (627, 19111), (699, 19291), (701, 19300), (708, 19324), (714, 19330), (719, 19345), (743, 19378), (761, 19429), (837, 19654), (877, 19759), (879, 19765), (880, 19774), (916, 19900),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 152

Candidate Starts for Doom_28:

(Start: 152 @21888 has 219 MA's), (Start: 173 @21909 has 4 MA's), (Start: 199 @21951 has 1 MA's), (223, 21996), (320, 22212), (347, 22257), (353, 22266), (367, 22305), (391, 22356), (393, 22359),

(491, 22554), (514, 22623), (613, 22824), (614, 22827), (622, 22848), (667, 22944), (668, 22947), (670, 22953), (696, 23022), (699, 23040), (701, 23049), (714, 23079), (753, 23175), (764, 23208), (769, 23223), (815, 23364), (837, 23421), (879, 23532), (925, 23685),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 139

Candidate Starts for Doomphist_16:

(Start: 139 @14940 has 218 MA's), (207, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (282, 15201), (284, 15207), (289, 15225), (300, 15255), (353, 15360), (375, 15420), (384, 15441), (388, 15450), (398, 15474), (425, 15549), (493, 15600), (497, 15615), (499, 15621), (512, 15657), (513, 15660), (516, 15672), (520, 15678), (543, 15726), (550, 15738), (554, 15744), (587, 15804), (592, 15816), (606, 15852), (609, 15864), (645, 15939), (648, 15948), (660, 15966), (662, 15972), (670, 16002), (751, 16107), (753, 16119), (765, 16155), (792, 16233), (820, 16332), (826, 16353), (843, 16386), (858, 16416), (864, 16446), (866, 16452), (867, 16455), (869, 16461), (878, 16476), (879, 16479), (882, 16500), (883, 16503), (899, 16545), (916, 16617), (917, 16623),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 162

Candidate Starts for Dorito_19:

(11, 16045), (22, 16201), (39, 16396), (42, 16432), (44, 16435), (53, 16519), (54, 16525), (66, 16651), (87, 16705), (Start: 162 @16822 has 92 MA's), (275, 16993), (312, 17080), (320, 17098), (323, 17101), (355, 17155), (368, 17194), (396, 17251), (403, 17272), (526, 17443), (534, 17461), (552, 17485), (575, 17506), (603, 17548), (631, 17629), (667, 17719), (700, 17821), (722, 17878), (770, 17968), (880, 18247), (882, 18256), (891, 18286),

Gene: Dorothea_31 Start: 19977, Stop: 21749, Start Num: 150

Candidate Starts for Dorothea_31:

(102, 19911), (Start: 130 @19953 has 8 MA's), (Start: 150 @19977 has 625 MA's), (273, 20175), (284, 20214), (319, 20286), (320, 20289), (332, 20307), (353, 20343), (355, 20349), (401, 20460), (403, 20466), (445, 20547), (467, 20586), (487, 20628), (491, 20631), (509, 20691), (624, 20928), (631, 20943), (668, 21024), (698, 21111), (714, 21156), (769, 21282), (788, 21333), (790, 21342), (801, 21381), (802, 21384), (805, 21396), (837, 21480), (877, 21585), (879, 21591), (916, 21726),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 139

Candidate Starts for Dorothy_16:

(Start: 139 @14766 has 218 MA's), (207, 14853), (Start: 233 @14898 has 2 MA's), (242, 14922), (282, 15027), (284, 15033), (289, 15051), (300, 15081), (353, 15186), (375, 15246), (384, 15267), (388, 15276), (398, 15300), (493, 15426), (497, 15441), (499, 15447), (512, 15483), (513, 15486), (516, 15498), (520, 15504), (543, 15552), (550, 15564), (554, 15570), (587, 15630), (592, 15642), (606, 15678), (609, 15690), (645, 15765), (648, 15774), (660, 15792), (662, 15798), (670, 15828), (751, 15933), (752, 15942), (753, 15945), (765, 15981), (792, 16059), (820, 16158), (826, 16179), (843, 16212), (858, 16242), (864, 16272), (867, 16281), (869, 16287), (878, 16302), (879, 16305), (882, 16326), (883, 16329), (899, 16371), (904, 16401), (916, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 139

Candidate Starts for DosHalletts_17:

(Start: 139 @14741 has 218 MA's), (207, 14828), (Start: 233 @14873 has 2 MA's), (242, 14897), (275, 14975), (282, 15002), (284, 15008), (289, 15026), (300, 15056), (353, 15161), (375, 15221), (384, 15242), (388, 15251), (398, 15275), (411, 15317), (425, 15350), (441, 15362), (467, 15377), (493, 15401), (497, 15416), (499, 15422), (512, 15458), (516, 15473), (520, 15479), (543, 15527), (550, 15539), (554, 15545), (587, 15605), (592, 15617), (606, 15653), (609, 15665), (645, 15740), (648, 15749), (660, 15767), (662, 15773), (670, 15803), (751, 15908), (752, 15917), (753, 15920), (765, 15956), (792, 16034), (820, 16133), (826, 16154), (843, 16187), (858, 16217), (863, 16244), (864, 16247), (867, 16256), (869, 16262), (878, 16277), (879, 16280), (882, 16301), (883, 16304), (886, 16313), (899, 16346), (904, 16376), (916, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 139

Candidate Starts for DotProduct_16:

(Start: 139 @14816 has 218 MA's), (207, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (248, 14993), (282, 15077), (284, 15083), (289, 15101), (300, 15131), (353, 15236), (375, 15296), (379, 15305), (384, 15317), (388, 15326), (398, 15350), (425, 15425), (427, 15428), (467, 15452), (474, 15458), (493, 15476), (497, 15491), (499, 15497), (505, 15515), (506, 15518), (512, 15533), (513, 15536), (516, 15548), (520, 15554), (534, 15584), (543, 15602), (550, 15614), (554, 15620), (587, 15680), (592, 15692), (606, 15728), (609, 15740), (616, 15761), (645, 15815), (648, 15824), (662, 15848), (670, 15878), (751, 15983), (752, 15992), (753, 15995), (765, 16031), (779, 16070), (792, 16109), (820, 16208), (826, 16229), (843, 16262), (858, 16292), (864, 16322), (867, 16331), (869, 16337), (878, 16352), (879, 16355), (882, 16376), (883, 16379), (899, 16421), (904, 16451), (916, 16493), (917, 16499),

Gene: DoubleChamp_21 Start: 17552, Stop: 19324, Start Num: 121

Candidate Starts for DoubleChamp_21:

(Start: 121 @17552 has 44 MA's), (Start: 127 @17558 has 1 MA's), (Start: 147 @17582 has 1 MA's), (Start: 181 @17615 has 32 MA's), (208, 17663), (237, 17717), (261, 17768), (283, 17831), (330, 17939), (381, 18047), (424, 18161), (426, 18164), (449, 18203), (459, 18218), (465, 18230), (467, 18236), (483, 18272), (487, 18278), (492, 18284), (504, 18323), (513, 18347), (589, 18449), (610, 18512), (685, 18692), (719, 18791), (757, 18869), (764, 18893), (766, 18899), (785, 18932), (815, 19010), (817, 19016), (882, 19169), (912, 19274), (913, 19277), (917, 19295),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 139

Candidate Starts for Doug_17:

(Start: 139 @15357 has 218 MA's), (207, 15444), (Start: 233 @15489 has 2 MA's), (242, 15513), (282, 15618), (284, 15624), (289, 15642), (300, 15672), (353, 15777), (375, 15837), (384, 15858), (388, 15867), (398, 15891), (493, 16017), (497, 16032), (499, 16038), (512, 16074), (513, 16077), (516, 16089), (520, 16095), (543, 16143), (550, 16155), (554, 16161), (587, 16221), (592, 16233), (606, 16269), (609, 16281), (616, 16302), (645, 16356), (648, 16365), (660, 16383), (662, 16389), (751, 16524), (753, 16536), (765, 16572), (792, 16650), (820, 16749), (826, 16770), (843, 16803), (858, 16833), (864, 16863), (866, 16869), (867, 16872), (869, 16878), (878, 16893), (879, 16896), (882, 16917), (883, 16920), (899, 16962), (916, 17034),

Gene: Doughnut_19 Start: 15033, Stop: 16802, Start Num: 115

Candidate Starts for Doughnut_19:

(Start: 96 @14997 has 3 MA's), (Start: 112 @15027 has 26 MA's), (Start: 115 @15033 has 20 MA's), (Start: 138 @15048 has 76 MA's), (Start: 181 @15090 has 32 MA's), (208, 15138), (230, 15177), (237, 15192), (261, 15243), (274, 15273), (283, 15306), (287, 15318), (294, 15336), (325, 15408), (330, 15414), (375, 15510), (381, 15522), (416, 15618), (467, 15711), (476, 15729), (487, 15753), (492, 15759), (504, 15798), (513, 15822), (516, 15834), (589, 15924), (593, 15933), (610, 15987), (622, 16017), (667, 16128), (685, 16179), (722, 16287), (777, 16401), (786, 16410), (815, 16485), (834, 16536), (837, 16542), (880, 16638), (898, 16692), (917, 16773), (929, 16794),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 138

Candidate Starts for Dove_34:

(Start: 138 @26623 has 76 MA's), (Start: 205 @26713 has 48 MA's), (230, 26761), (242, 26791), (255, 26818), (292, 26920), (301, 26950), (347, 27049), (360, 27085), (362, 27091), (372, 27112), (402, 27184), (405, 27193), (411, 27214), (474, 27283), (499, 27322), (500, 27325), (505, 27340), (520, 27379), (543, 27427), (550, 27439), (554, 27445), (572, 27493), (577, 27502), (589, 27523), (597, 27541), (612, 27589), (660, 27691), (676, 27751), (680, 27763), (758, 27847), (762, 27859), (763, 27865), (767, 27877), (768, 27880), (781, 27919), (789, 27937), (799, 27973), (800, 27979), (826, 28066), (863, 28156), (880, 28198), (885, 28216), (895, 28246), (905, 28288), (923, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 144

Candidate Starts for DrDrey_25:

(Start: 144 @20238 has 125 MA's), (Start: 205 @20322 has 48 MA's), (Start: 244 @20400 has 1 MA's), (279, 20487), (284, 20502), (300, 20550), (317, 20589), (359, 20676), (372, 20709), (388, 20745), (400, 20775), (402, 20781), (437, 20850), (495, 20880), (498, 20892), (499, 20895), (520, 20952), (589, 21084), (591, 21090), (614, 21156), (616, 21162), (625, 21186), (648, 21234), (662, 21258), (664, 21267), (688, 21342), (752, 21393), (758, 21408), (809, 21570), (817, 21597), (826, 21627), (868, 21732), (897, 21810), (904, 21846), (907, 21855), (916, 21888), (923, 21903),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 152

Candidate Starts for DrFeelGood_26:

(Start: 152 @21434 has 219 MA's), (Start: 173 @21455 has 4 MA's), (Start: 199 @21497 has 1 MA's), (223, 21542), (320, 21758), (347, 21803), (353, 21812), (367, 21851), (391, 21902), (393, 21905), (491, 22100), (514, 22169), (613, 22370), (614, 22373), (622, 22394), (667, 22490), (668, 22493), (670, 22499), (696, 22568), (699, 22586), (701, 22595), (714, 22625), (753, 22721), (764, 22754), (769, 22769), (815, 22910), (837, 22967), (879, 23078), (925, 23231),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for DrHayes_23:

(Start: 118 @17102 has 149 MA's), (Start: 144 @17132 has 125 MA's), (245, 17291), (261, 17324), (274, 17354), (283, 17387), (287, 17399), (325, 17489), (351, 17531), (381, 17603), (385, 17612), (401, 17651), (415, 17696), (426, 17720), (467, 17792), (487, 17834), (492, 17840), (500, 17867), (589, 18005), (598, 18023), (609, 18065), (628, 18113), (643, 18140), (685, 18245), (716, 18335), (765, 18440), (777, 18470), (786, 18479), (815, 18554), (834, 18605), (907, 18800), (917, 18839), (919, 18842), (929, 18860),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 139

Candidate Starts for Drago_17:

(Start: 139 @14628 has 218 MA's), (207, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (266, 14841), (282, 14889), (284, 14895), (289, 14913), (300, 14943), (353, 15048), (371, 15102), (375, 15108), (379, 15117), (384, 15129), (388, 15138), (398, 15162), (410, 15198), (411, 15204), (415, 15216), (425, 15237), (427, 15240), (441, 15249), (467, 15264), (474, 15270), (493, 15288), (497, 15303), (499, 15309), (505, 15327), (506, 15330), (512, 15345), (516, 15360), (520, 15366), (534, 15396), (543, 15414), (550, 15426), (554, 15432), (587, 15492), (592, 15504), (606, 15540), (609, 15552), (616, 15573), (645, 15627), (648, 15636), (662, 15660), (670, 15690), (751, 15795), (753, 15807), (765, 15843), (779, 15882), (792, 15921), (820, 16020), (826, 16041), (843, 16074), (858, 16104), (864, 16134), (867, 16143), (869, 16149), (878, 16164), (879, 16167), (882, 16188), (883, 16191), (899, 16233), (904, 16263), (916, 16305), (917, 16311),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 150

Candidate Starts for Drake55_30:

(Start: 130 @20646 has 8 MA's), (Start: 150 @20670 has 625 MA's), (Start: 244 @20805 has 1 MA's), (283, 20904), (284, 20907), (319, 20979), (320, 20982), (353, 21036), (355, 21042), (381, 21105), (401, 21153), (411, 21186), (415, 21198), (445, 21240), (487, 21321), (491, 21324), (500, 21354), (580, 21510), (614, 21597), (664, 21702), (668, 21717), (707, 21840), (708, 21843), (714, 21849), (743, 21897), (764, 21960), (769, 21975), (771, 21981), (790, 22035), (801, 22074), (805, 22089), (817, 22122), (834, 22167), (877, 22278), (879, 22284), (894, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 150

Candidate Starts for Drake94_26:

(Start: 130 @17857 has 8 MA's), (Start: 150 @17881 has 625 MA's), (Start: 199 @17938 has 1 MA's), (208, 17953), (237, 18007), (283, 18121), (284, 18124), (320, 18199), (344, 18238), (401, 18370),

(445, 18457), (483, 18532), (500, 18571), (514, 18610), (562, 18697), (587, 18742), (613, 18811), (622, 18835), (627, 18847), (631, 18853), (699, 19027), (701, 19036), (708, 19060), (714, 19066), (719, 19081), (743, 19114), (761, 19165), (780, 19222), (781, 19228), (837, 19390), (877, 19495), (879, 19501), (880, 19510), (916, 19636),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 150

Candidate Starts for Dre3_18:

(Start: 150 @15938 has 625 MA's), (230, 16052), (246, 16085), (330, 16286), (351, 16322), (387, 16409), (430, 16511), (458, 16544), (462, 16556), (465, 16559), (490, 16616), (500, 16649), (505, 16664), (515, 16691), (533, 16730), (580, 16766), (582, 16772), (606, 16826), (613, 16850), (627, 16889), (632, 16895), (667, 16967), (673, 16985), (676, 16994), (678, 17003), (699, 17060), (703, 17078), (765, 17189), (769, 17201), (775, 17216), (786, 17228), (814, 17300), (815, 17303), (858, 17399), (864, 17426), (873, 17450), (879, 17468),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 152

Candidate Starts for DreamCatcher_30:

(Start: 152 @22505 has 219 MA's), (Start: 173 @22526 has 4 MA's), (Start: 199 @22568 has 1 MA's), (223, 22613), (320, 22829), (347, 22874), (353, 22883), (367, 22922), (391, 22973), (393, 22976), (491, 23171), (514, 23240), (613, 23441), (614, 23444), (622, 23465), (667, 23561), (668, 23564), (670, 23570), (696, 23639), (699, 23657), (701, 23666), (714, 23696), (753, 23792), (764, 23825), (769, 23840), (815, 23981), (837, 24038), (879, 24149), (925, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 150

Candidate Starts for DreamTeam1_28:

(102, 19633), (Start: 130 @19675 has 8 MA's), (Start: 150 @19699 has 625 MA's), (283, 19933), (284, 19936), (319, 20008), (320, 20011), (330, 20026), (332, 20029), (353, 20065), (355, 20071), (375, 20122), (387, 20149), (391, 20155), (401, 20182), (403, 20188), (411, 20215), (445, 20269), (487, 20350), (491, 20353), (509, 20413), (608, 20602), (631, 20665), (660, 20716), (668, 20746), (708, 20872), (753, 20974), (757, 20983), (764, 21007), (769, 21022), (778, 21046), (801, 21121), (805, 21136), (837, 21220), (877, 21325), (879, 21331), (894, 21385), (907, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 152

Candidate Starts for Dreamboat_28:

(Start: 152 @21057 has 219 MA's), (Start: 173 @21078 has 4 MA's), (Start: 199 @21120 has 1 MA's), (223, 21165), (320, 21381), (347, 21426), (353, 21435), (391, 21525), (393, 21528), (491, 21723), (514, 21792), (613, 21993), (614, 21996), (622, 22017), (667, 22113), (668, 22116), (670, 22122), (696, 22191), (699, 22209), (701, 22218), (714, 22248), (753, 22344), (764, 22377), (769, 22392), (815, 22533), (837, 22590), (879, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 150

Candidate Starts for DroogsArmy_28:

(Start: 139 @22609 has 218 MA's), (Start: 150 @22621 has 625 MA's), (197, 22666), (209, 22687), (283, 22852), (284, 22855), (320, 22930), (330, 22945), (403, 23107), (405, 23113), (445, 23188), (509, 23332), (581, 23458), (587, 23470), (613, 23539), (631, 23581), (667, 23677), (668, 23680), (673, 23695), (696, 23755), (699, 23773), (701, 23782), (708, 23806), (714, 23812), (752, 23905), (753, 23908), (764, 23941), (769, 23956), (781, 23992), (784, 23998), (810, 24085), (814, 24094), (869, 24235), (879, 24265), (880, 24274), (908, 24370), (923, 24415),

Gene: DropBear_27 Start: 19967, Stop: 21766, Start Num: 150

Candidate Starts for DropBear_27:

(Start: 150 @19967 has 625 MA's), (Start: 199 @20027 has 1 MA's), (237, 20096), (279, 20198), (283, 20210), (284, 20213), (320, 20288), (330, 20303), (332, 20306), (353, 20342), (407, 20477), (445, 20546), (500, 20660), (562, 20786), (613, 20900), (622, 20924), (627, 20936), (631, 20942), (668,

21023), (696, 21098), (699, 21116), (701, 21125), (708, 21149), (714, 21155), (719, 21170), (740, 21212), (751, 21239), (752, 21248), (753, 21251), (761, 21272), (764, 21284), (837, 21497), (877, 21602), (879, 21608), (916, 21743),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Druantia_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 150

Candidate Starts for Dublin_23:

(Start: 150 @19626 has 625 MA's), (230, 19731), (245, 19764), (284, 19863), (320, 19938), (330, 19953), (351, 19989), (381, 20061), (387, 20076), (403, 20115), (453, 20202), (500, 20310), (509, 20340), (513, 20346), (587, 20481), (609, 20538), (610, 20541), (613, 20550), (631, 20592), (640, 20610), (667, 20670), (668, 20673), (699, 20766), (701, 20775), (708, 20799), (752, 20907), (764, 20943), (837, 21153), (861, 21207), (876, 21255), (879, 21264), (910, 21378), (916, 21399), (919, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 150

Candidate Starts for DudeLittle_28:

(Start: 130 @20243 has 8 MA's), (Start: 150 @20267 has 625 MA's), (283, 20501), (284, 20504), (319, 20576), (320, 20579), (353, 20633), (367, 20672), (387, 20717), (401, 20750), (445, 20837), (487, 20918), (491, 20921), (614, 21194), (668, 21314), (708, 21440), (743, 21494), (747, 21503), (753, 21524), (764, 21557), (769, 21572), (771, 21578), (790, 21632), (801, 21671), (805, 21686), (837, 21770), (879, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 152

Candidate Starts for Dulcie_26:

(Start: 152 @20754 has 219 MA's), (Start: 173 @20775 has 4 MA's), (Start: 199 @20817 has 1 MA's), (223, 20862), (320, 21078), (347, 21123), (353, 21132), (367, 21171), (391, 21222), (393, 21225), (491, 21420), (514, 21489), (613, 21690), (614, 21693), (622, 21714), (667, 21810), (668, 21813), (670, 21819), (696, 21888), (699, 21906), (701, 21915), (714, 21945), (753, 22041), (764, 22074), (769, 22089), (815, 22230), (837, 22287), (879, 22398),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 205

Candidate Starts for Dumbo_24:

(Start: 144 @19213 has 125 MA's), (Start: 205 @19297 has 48 MA's), (Start: 244 @19375 has 1 MA's), (279, 19462), (284, 19477), (300, 19525), (317, 19564), (359, 19651), (372, 19684), (388, 19720), (400, 19750), (402, 19756), (437, 19825), (495, 19855), (498, 19867), (499, 19870), (520, 19927), (589, 20059), (591, 20065), (614, 20131), (616, 20137), (625, 20161), (648, 20209), (662, 20233), (664, 20242), (688, 20317), (752, 20368), (758, 20383), (809, 20545), (817, 20572), (826, 20602), (868, 20707), (897, 20785), (904, 20821), (907, 20830), (916, 20863), (923, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 174

Candidate Starts for DumpsterDude_19:

(143, 16180), (Start: 174 @16204 has 18 MA's), (Start: 185 @16216 has 2 MA's), (210, 16264), (274, 16393), (276, 16399), (295, 16465), (351, 16579), (378, 16645), (381, 16651), (468, 16831), (470, 16837), (505, 16918), (587, 17032), (628, 17146), (643, 17179), (661, 17209), (662, 17212), (679, 17275), (681, 17278), (696, 17311), (764, 17479), (766, 17485), (811, 17584), (876, 17728), (929,

17902),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Duplicity_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 150

Candidate Starts for Duplo_31:

(102, 20021), (Start: 130 @20063 has 8 MA's), (Start: 150 @20087 has 625 MA's), (253, 20240), (283, 20321), (284, 20324), (319, 20396), (320, 20399), (330, 20414), (353, 20453), (355, 20459), (401, 20570), (407, 20588), (410, 20597), (445, 20657), (487, 20738), (491, 20741), (562, 20897), (580, 20927), (668, 21134), (708, 21260), (753, 21362), (764, 21395), (769, 21410), (778, 21434), (801, 21509), (802, 21512), (805, 21524), (837, 21608), (868, 21686), (877, 21713), (879, 21719), (890, 21764), (894, 21773), (916, 21854),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Durfee_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 144

Candidate Starts for Dusk_23:

(Start: 144 @19405 has 125 MA's), (Start: 205 @19489 has 48 MA's), (Start: 244 @19567 has 1 MA's), (279, 19654), (284, 19669), (300, 19717), (317, 19756), (359, 19843), (372, 19876), (388, 19912), (400, 19942), (402, 19948), (437, 20017), (495, 20047), (498, 20059), (499, 20062), (520, 20119), (589, 20251), (591, 20257), (614, 20323), (616, 20329), (625, 20353), (648, 20401), (662, 20425), (664, 20434), (688, 20509), (752, 20560), (758, 20575), (809, 20737), (817, 20764), (826, 20794), (868, 20899), (897, 20977), (904, 21013), (907, 21022), (916, 21055), (923, 21070),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 152

Candidate Starts for Dussy_28:

(Start: 152 @21319 has 219 MA's), (Start: 173 @21340 has 4 MA's), (Start: 199 @21382 has 1 MA's), (223, 21427), (320, 21643), (347, 21688), (353, 21697), (367, 21736), (391, 21787), (393, 21790), (491, 21985), (514, 22054), (613, 22255), (614, 22258), (622, 22279), (667, 22375), (668, 22378), (670, 22384), (696, 22453), (699, 22471), (701, 22480), (714, 22510), (753, 22606), (764, 22639), (769, 22654), (815, 22795), (837, 22852), (879, 22963),

Gene: Dusty_47 Start: 29340, Stop: 31031, Start Num: 160

Candidate Starts for Dusty_47:

(Start: 160 @29340 has 22 MA's), (202, 29400), (216, 29433), (Start: 233 @29463 has 2 MA's), (234, 29466), (292, 29625), (294, 29634), (354, 29763), (370, 29811), (520, 30024), (523, 30030), (534, 30054), (601, 30183), (606, 30204), (616, 30237), (688, 30435), (789, 30588), (817, 30687), (821, 30699), (824, 30708), (860, 30792), (905, 30939), (915, 30975),

Gene: DustyMartin_31 Start: 19855, Stop: 21633, Start Num: 150

Candidate Starts for DustyMartin_31:

(Start: 150 @19855 has 625 MA's), (Start: 199 @19912 has 1 MA's), (208, 19927), (226, 19960), (237, 19981), (279, 20083), (283, 20095), (284, 20098), (320, 20173), (330, 20188), (353, 20227), (401, 20344), (407, 20362), (445, 20431), (474, 20485), (483, 20506), (500, 20545), (514, 20584), (562, 20671), (587, 20716), (608, 20764), (613, 20785), (622, 20809), (627, 20821), (631, 20827), (668, 20908), (699, 21001), (701, 21010), (708, 21034), (714, 21040), (719, 21055), (743, 21088), (761, 21139), (766, 21157), (781, 21202), (837, 21364), (853, 21388), (855, 21394), (877, 21469), (879, 21475), (880, 21484), (897, 21535), (916, 21610),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 121

Candidate Starts for Dylan_56:

(Start: 115 @33560 has 20 MA's), (Start: 121 @33569 has 44 MA's), (191, 33659), (248, 33776), (266, 33812), (275, 33833), (282, 33860), (284, 33866), (294, 33896), (302, 33920), (327, 33971), (388, 34109), (392, 34115), (409, 34166), (410, 34169), (415, 34187), (493, 34238), (499, 34259), (500, 34262), (512, 34295), (516, 34310), (520, 34316), (543, 34364), (544, 34370), (550, 34376), (573, 34436), (587, 34460), (589, 34463), (606, 34508), (610, 34523), (613, 34532), (616, 34541), (634, 34586), (648, 34604), (664, 34637), (753, 34775), (761, 34796), (782, 34862), (793, 34892), (807, 34946), (820, 34988), (826, 35009), (836, 35030), (843, 35042), (855, 35063), (869, 35117), (897, 35195), (904, 35231), (910, 35252), (917, 35279),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 152

Candidate Starts for Dynamix_28:

(Start: 152 @21136 has 219 MA's), (Start: 173 @21157 has 4 MA's), (Start: 199 @21199 has 1 MA's), (223, 21244), (320, 21460), (347, 21505), (353, 21514), (391, 21604), (393, 21607), (430, 21700), (491, 21802), (514, 21871), (613, 22072), (614, 22075), (622, 22096), (667, 22192), (668, 22195), (670, 22201), (696, 22270), (699, 22288), (701, 22297), (714, 22327), (753, 22423), (764, 22456), (769, 22471), (815, 22612), (837, 22669), (879, 22780), (925, 22933),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 134

Candidate Starts for Dynamo_19:

(Start: 116 @16370 has 3 MA's), (Start: 134 @16394 has 48 MA's), (184, 16454), (195, 16475), (197, 16478), (259, 16598), (274, 16637), (283, 16670), (292, 16694), (342, 16814), (359, 16853), (360, 16859), (396, 16943), (398, 16949), (402, 16961), (410, 16985), (420, 17012), (437, 17030), (480, 17069), (493, 17075), (500, 17099), (520, 17153), (526, 17165), (531, 17174), (560, 17234), (597, 17312), (609, 17351), (621, 17384), (648, 17450), (659, 17465), (662, 17474), (668, 17498), (676, 17528), (680, 17540), (763, 17642), (767, 17654), (768, 17657), (770, 17663), (774, 17672), (807, 17780), (836, 17864), (874, 17963), (907, 18071), (923, 18119),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for ECartman_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: EGUunicorn_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for EGUunicorn_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289),

(353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 172

Candidate Starts for EMoore_31:

(Start: 125 @29454 has 1 MA's), (Start: 172 @29511 has 18 MA's), (182, 29523), (200, 29556), (230, 29607), (279, 29724), (283, 29736), (321, 29811), (349, 29862), (355, 29871), (365, 29901), (410, 30009), (468, 30108), (485, 30138), (489, 30147), (500, 30180), (501, 30183), (525, 30243), (581, 30291), (613, 30363), (626, 30396), (627, 30399), (650, 30438), (667, 30477), (695, 30564), (696, 30567), (701, 30594), (721, 30645), (765, 30705), (792, 30750), (817, 30831), (830, 30867), (834, 30876), (840, 30885), (880, 30981), (907, 31077), (916, 31110), (923, 31125),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 119

Candidate Starts for EMSquaredA_20:

(Start: 104 @17542 has 1 MA's), (Start: 119 @17566 has 25 MA's), (201, 17671), (224, 17713), (266, 17788), (320, 17902), (387, 18049), (391, 18055), (407, 18100), (483, 18238), (512, 18313), (667, 18595), (674, 18616), (699, 18691), (744, 18778), (759, 18814), (769, 18847), (771, 18853), (804, 18919), (815, 18949), (877, 19105), (879, 19111), (882, 19129), (914, 19240),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 150

Candidate Starts for EZMoney23_32:

(Start: 130 @22121 has 8 MA's), (Start: 150 @22145 has 625 MA's), (283, 22379), (284, 22382), (319, 22454), (320, 22457), (353, 22511), (367, 22550), (401, 22628), (445, 22715), (487, 22796), (491, 22799), (580, 22985), (608, 23048), (614, 23072), (631, 23111), (664, 23177), (668, 23192), (714, 23324), (753, 23402), (764, 23435), (769, 23450), (790, 23510), (801, 23549), (805, 23564), (817, 23597), (837, 23648), (877, 23753), (879, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Eagle_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 150

Candidate Starts for EagleEye_30:

(Start: 130 @20914 has 8 MA's), (Start: 150 @20938 has 625 MA's), (253, 21091), (283, 21172), (284, 21175), (319, 21247), (320, 21250), (332, 21268), (344, 21289), (353, 21304), (355, 21310), (375, 21361), (401, 21421), (445, 21508), (487, 21589), (491, 21592), (580, 21778), (608, 21841), (614, 21865), (631, 21904), (668, 21985), (708, 22111), (740, 22174), (769, 22261), (801, 22360), (817, 22408), (837, 22459), (879, 22570), (894, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 150

Candidate Starts for Eaglepride_28:

(Start: 130 @19783 has 8 MA's), (Start: 150 @19807 has 625 MA's), (Start: 199 @19864 has 1 MA's), (237, 19933), (279, 20035), (283, 20047), (284, 20050), (320, 20125), (330, 20140), (353, 20179), (401, 20296), (445, 20383), (483, 20458), (500, 20497), (562, 20623), (587, 20668), (613, 20737), (622, 20761), (627, 20773), (631, 20779), (699, 20953), (701, 20962), (708, 20986), (714, 20992),

(743, 21040), (761, 21091), (766, 21109), (877, 21421), (879, 21427), (880, 21436), (916, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 150

Candidate Starts for Eapen_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19883 has 1 MA's), (230, 19937), (237, 19952), (245, 19970), (279, 20054), (283, 20066), (284, 20069), (320, 20144), (330, 20159), (353, 20198), (401, 20315), (445, 20402), (487, 20483), (505, 20531), (514, 20555), (562, 20642), (587, 20687), (614, 20759), (622, 20780), (631, 20798), (668, 20879), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (722, 21035), (753, 21089), (761, 21110), (778, 21161), (787, 21185), (802, 21239), (837, 21335), (877, 21440), (880, 21455), (911, 21563), (916, 21581),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 162

Candidate Starts for Easley_20:

(87, 17215), (Start: 162 @17332 has 92 MA's), (312, 17590), (323, 17611), (355, 17665), (368, 17704), (396, 17761), (403, 17782), (526, 17953), (534, 17971), (552, 17995), (575, 18016), (603, 18058), (631, 18139), (667, 18229), (700, 18331), (701, 18334), (722, 18388), (770, 18478), (880, 18757), (882, 18766), (891, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 205

Candidate Starts for Easy2Say_26:

(Start: 144 @20996 has 125 MA's), (Start: 205 @21080 has 48 MA's), (Start: 244 @21158 has 1 MA's), (279, 21245), (284, 21260), (300, 21308), (317, 21347), (359, 21434), (372, 21467), (388, 21503), (400, 21533), (402, 21539), (437, 21608), (495, 21638), (498, 21650), (499, 21653), (520, 21710), (589, 21842), (591, 21848), (614, 21914), (616, 21920), (625, 21944), (648, 21992), (662, 22016), (664, 22025), (688, 22100), (752, 22151), (758, 22166), (809, 22328), (817, 22355), (826, 22385), (868, 22490), (897, 22568), (904, 22604), (907, 22613), (916, 22646), (923, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Ebert_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 150

Candidate Starts for Ebony_28:

(102, 20732), (Start: 130 @20774 has 8 MA's), (Start: 150 @20798 has 625 MA's), (Start: 193 @20840 has 3 MA's), (245, 20936), (253, 20951), (283, 21032), (284, 21035), (320, 21110), (330, 21125), (353, 21164), (355, 21170), (375, 21221), (401, 21281), (403, 21287), (445, 21368), (491, 21452), (541, 21578), (552, 21596), (568, 21623), (631, 21764), (664, 21830), (667, 21842), (668, 21845), (734, 22034), (747, 22061), (751, 22070), (757, 22091), (758, 22094), (764, 22115), (769, 22130), (778, 22154), (801, 22229), (805, 22244), (837, 22328), (877, 22433), (879, 22439), (894, 22493), (925, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 150

Candidate Starts for Echild_28:

(Start: 130 @20268 has 8 MA's), (Start: 150 @20292 has 625 MA's), (226, 20391), (266, 20475), (283, 20526), (284, 20529), (319, 20601), (320, 20604), (353, 20658), (367, 20697), (401, 20775), (445, 20862), (487, 20943), (491, 20946), (614, 21219), (668, 21339), (708, 21465), (714, 21471), (743, 21519), (764, 21582), (769, 21597), (771, 21603), (790, 21657), (801, 21696), (805, 21711), (837, 21795), (879, 21906),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 119

Candidate Starts for Ecliptus_24:

(Start: 119 @18429 has 25 MA's), (Start: 128 @18441 has 8 MA's), (Start: 129 @18444 has 1 MA's), (204, 18546), (223, 18582), (255, 18648), (332, 18792), (337, 18801), (347, 18819), (363, 18861), (367, 18867), (378, 18891), (387, 18915), (407, 18966), (409, 18972), (419, 19002), (456, 19044), (466, 19065), (468, 19071), (480, 19095), (500, 19146), (501, 19149), (512, 19179), (609, 19329), (622, 19365), (676, 19491), (699, 19557), (701, 19566), (707, 19587), (759, 19680), (765, 19701), (769, 19713), (771, 19719), (775, 19728), (777, 19731), (804, 19785), (815, 19815), (844, 19884), (877, 19971), (879, 19977), (893, 20028), (916, 20115), (925, 20133),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 150

Candidate Starts for Edison31_27:

(Start: 150 @19822 has 625 MA's), (Start: 199 @19879 has 1 MA's), (208, 19894), (226, 19927), (237, 19948), (279, 20050), (283, 20062), (284, 20065), (320, 20140), (330, 20155), (353, 20194), (401, 20311), (407, 20329), (445, 20398), (483, 20473), (500, 20512), (514, 20551), (562, 20638), (587, 20683), (613, 20752), (622, 20776), (627, 20788), (631, 20794), (668, 20875), (699, 20968), (701, 20977), (708, 21001), (714, 21007), (719, 21022), (743, 21055), (761, 21106), (766, 21124), (780, 21163), (810, 21262), (837, 21331), (853, 21355), (855, 21361), (877, 21436), (879, 21442), (880, 21451), (897, 21502), (916, 21577),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 175

Candidate Starts for EdmundFerry_31:

(Start: 175 @27556 has 10 MA's), (189, 27577), (226, 27640), (279, 27763), (283, 27775), (310, 27832), (355, 27910), (405, 28033), (468, 28147), (485, 28177), (500, 28219), (525, 28282), (581, 28330), (585, 28339), (609, 28390), (627, 28438), (695, 28603), (701, 28633), (764, 28741), (765, 28744), (792, 28789), (808, 28846), (810, 28852), (812, 28858), (830, 28906), (834, 28915), (837, 28921), (840, 28924), (864, 28975), (880, 29020), (900, 29089), (913, 29137), (916, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 165

Candidate Starts for EdnaMode_17:

(Start: 165 @14694 has 39 MA's), (239, 14811), (271, 14883), (299, 14961), (363, 15084), (373, 15105), (403, 15174), (404, 15177), (424, 15234), (467, 15309), (495, 15363), (524, 15444), (568, 15504), (648, 15669), (659, 15687), (663, 15702), (668, 15726), (696, 15798), (697, 15801), (700, 15822), (810, 16056), (816, 16071), (831, 16113), (867, 16206), (868, 16209), (882, 16257), (891, 16287), (907, 16344),

Gene: EdogawaKiddo_28 Start: 21749, Stop: 23539, Start Num: 150

Candidate Starts for EdogawaKiddo_28:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 152

Candidate Starts for Edtherson_28:

(Start: 152 @21883 has 219 MA's), (Start: 173 @21904 has 4 MA's), (Start: 199 @21946 has 1 MA's), (223, 21991), (320, 22207), (347, 22252), (353, 22261), (367, 22300), (391, 22351), (393, 22354), (430, 22447), (491, 22549), (514, 22618), (613, 22819), (614, 22822), (622, 22843), (667, 22939), (668, 22942), (670, 22948), (696, 23017), (699, 23035), (701, 23044), (714, 23074), (753, 23170), (764, 23203), (769, 23218), (815, 23359), (837, 23416), (879, 23527),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 118

Candidate Starts for Efra2_23:

(Start: 118 @16364 has 149 MA's), (Start: 121 @16370 has 44 MA's), (Start: 144 @16394 has 125 MA's), (245, 16553), (261, 16586), (274, 16616), (283, 16649), (287, 16661), (325, 16751), (351, 16793), (381, 16865), (385, 16874), (401, 16913), (415, 16958), (424, 16979), (426, 16982), (467, 17054), (487, 17096), (492, 17102), (500, 17129), (589, 17267), (598, 17285), (609, 17327), (615, 17345), (628, 17375), (685, 17507), (716, 17597), (765, 17702), (777, 17732), (815, 17816), (834, 17867), (880, 17966), (907, 18062), (917, 18101), (919, 18104), (929, 18122),

Gene: Egi03_31 Start: 26053, Stop: 27819, Start Num: 105

Candidate Starts for Egi03_31:

(86, 26011), (Start: 105 @26053 has 84 MA's), (Start: 129 @26089 has 1 MA's), (Start: 155 @26122 has 12 MA's), (274, 26332), (275, 26335), (283, 26365), (310, 26431), (320, 26455), (326, 26464), (345, 26497), (410, 26650), (430, 26689), (466, 26740), (470, 26752), (480, 26770), (486, 26782), (490, 26794), (495, 26809), (504, 26839), (505, 26842), (513, 26863), (581, 26935), (603, 26983), (647, 27094), (665, 27127), (676, 27166), (677, 27169), (701, 27241), (740, 27307), (744, 27319), (815, 27490), (816, 27493), (834, 27541), (852, 27568), (860, 27595), (877, 27649), (908, 27766), (914, 27787), (925, 27814),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 148

Candidate Starts for Eidsmoe_30:

(Start: 148 @21776 has 18 MA's), (Start: 150 @21779 has 625 MA's), (283, 22013), (284, 22016), (319, 22088), (320, 22091), (330, 22106), (353, 22145), (355, 22151), (401, 22262), (445, 22349), (487, 22430), (491, 22433), (509, 22493), (580, 22619), (608, 22682), (614, 22706), (616, 22712), (631, 22745), (668, 22826), (708, 22952), (726, 22994), (727, 22997), (753, 23054), (764, 23087), (769, 23102), (801, 23201), (802, 23204), (805, 23216), (837, 23300), (864, 23366), (877, 23405), (879, 23411), (890, 23456), (907, 23513), (908, 23516),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Ein37_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 139

Candidate Starts for Eish_16:

(Start: 139 @14946 has 218 MA's), (207, 15033), (Start: 233 @15078 has 2 MA's), (242, 15102), (282, 15207), (284, 15213), (289, 15231), (300, 15261), (353, 15366), (375, 15426), (379, 15435), (388, 15456), (398, 15480), (411, 15522), (425, 15555), (441, 15567), (493, 15606), (497, 15621), (499, 15627), (512, 15663), (516, 15678), (520, 15684), (534, 15714), (543, 15732), (550, 15744), (554, 15750), (587, 15810), (606, 15858), (609, 15870), (645, 15945), (648, 15954), (662, 15978), (670, 16008), (751, 16113), (753, 16125), (765, 16161), (792, 16239), (820, 16338), (826, 16359), (843, 16392), (858, 16422), (864, 16452), (867, 16461), (869, 16467), (878, 16482), (879, 16485), (882, 16506), (883, 16509), (899, 16551), (904, 16581), (916, 16623), (917, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 138

Candidate Starts for Ejimix_37:

(Start: 138 @28088 has 76 MA's), (Start: 205 @28178 has 48 MA's), (230, 28226), (242, 28256), (255, 28283), (292, 28385), (301, 28415), (322, 28466), (347, 28514), (360, 28550), (362, 28556), (372, 28577), (402, 28649), (405, 28658), (411, 28679), (499, 28787), (500, 28790), (505, 28805), (520, 28844), (543, 28892), (550, 28904), (554, 28910), (572, 28958), (577, 28967), (589, 28988), (597, 29006), (612, 29054), (660, 29156), (680, 29228), (698, 29273), (700, 29285), (710, 29420), (711, 29426), (712, 29450), (739, 29522), (750, 29549), (828, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 112

Candidate Starts for Ekdilam_20:

(Start: 96 @17301 has 3 MA's), (Start: 112 @17331 has 26 MA's), (Start: 118 @17340 has 149 MA's), (Start: 144 @17370 has 125 MA's), (230, 17496), (237, 17511), (245, 17529), (261, 17562), (283, 17625), (287, 17637), (294, 17655), (325, 17727), (351, 17769), (385, 17850), (424, 17955), (426, 17958), (446, 17994), (467, 18030), (487, 18072), (492, 18078), (500, 18105), (598, 18261), (628, 18351), (643, 18378), (665, 18423), (685, 18483), (707, 18558), (719, 18582), (753, 18642), (765, 18678), (777, 18708), (815, 18792), (882, 18951), (917, 19077), (919, 19080), (929, 19098),

Gene: ElJefes_17 Start: 15890, Stop: 17587, Start Num: 140

Candidate Starts for ElJefes_17:

(Start: 140 @15890 has 9 MA's), (Start: 150 @15893 has 625 MA's), (222, 15992), (245, 16034), (255, 16055), (351, 16274), (400, 16391), (409, 16418), (430, 16463), (436, 16469), (445, 16481), (458, 16496), (465, 16511), (490, 16568), (500, 16601), (504, 16613), (567, 16700), (580, 16718), (594, 16748), (606, 16778), (610, 16793), (627, 16841), (657, 16892), (668, 16928), (673, 16943), (678, 16961), (699, 17018), (765, 17147), (769, 17159), (798, 17207), (814, 17258), (815, 17261), (821, 17279), (858, 17357), (864, 17384), (879, 17426), (919, 17573), (923, 17579),

Gene: ElTiger69_24 Start: 18976, Stop: 20775, Start Num: 150

Candidate Starts for ElTiger69_24:

(Start: 150 @18976 has 625 MA's), (284, 19213), (300, 19249), (320, 19288), (330, 19303), (351, 19339), (381, 19411), (387, 19426), (401, 19459), (403, 19465), (500, 19660), (509, 19690), (513, 19696), (562, 19786), (587, 19831), (613, 19900), (631, 19942), (640, 19960), (667, 20020), (668, 20023), (699, 20116), (752, 20257), (764, 20293), (876, 20608), (879, 20617), (916, 20752),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 139

Candidate Starts for EleanorGeorge_16:

(Start: 139 @14974 has 218 MA's), (207, 15061), (Start: 233 @15106 has 2 MA's), (242, 15130), (282, 15235), (284, 15241), (289, 15259), (300, 15289), (353, 15394), (375, 15454), (384, 15475), (388, 15484), (396, 15502), (398, 15508), (493, 15634), (497, 15649), (499, 15655), (512, 15691), (513, 15694), (516, 15706), (520, 15712), (543, 15760), (550, 15772), (554, 15778), (587, 15838), (592, 15850), (606, 15886), (609, 15898), (645, 15973), (648, 15982), (660, 16000), (662, 16006), (670, 16036), (751, 16141), (752, 16150), (753, 16153), (765, 16189), (792, 16267), (820, 16366), (826, 16387), (843, 16420), (858, 16450), (864, 16480), (867, 16489), (869, 16495), (878, 16510), (879, 16513), (883, 16537), (894, 16567), (899, 16579), (904, 16609), (916, 16651),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 150

Candidate Starts for Elephantoon_29:

(Start: 130 @21163 has 8 MA's), (Start: 150 @21187 has 625 MA's), (283, 21421), (284, 21424), (319, 21496), (320, 21499), (332, 21517), (353, 21553), (355, 21559), (367, 21592), (375, 21610), (401, 21670), (411, 21703), (445, 21757), (487, 21838), (491, 21841), (541, 21967), (580, 22027), (608, 22090), (627, 22147), (668, 22234), (708, 22360), (718, 22378), (726, 22402), (753, 22462), (764, 22495), (769, 22510), (801, 22609), (802, 22612), (805, 22624), (837, 22708), (864, 22774), (877, 22813), (879, 22819), (890, 22864), (907, 22921), (908, 22924),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 150

Candidate Starts for Elinal_19:

(Start: 140 @15415 has 9 MA's), (Start: 150 @15418 has 625 MA's), (222, 15517), (245, 15559), (351, 15799), (387, 15886), (397, 15907), (400, 15916), (409, 15943), (430, 15988), (458, 16021), (465, 16036), (476, 16060), (490, 16093), (500, 16126), (504, 16138), (528, 16195), (567, 16225), (580, 16243), (594, 16273), (606, 16303), (627, 16366), (657, 16417), (668, 16453), (673, 16468), (678, 16486), (699, 16543), (701, 16552), (765, 16672), (769, 16684), (798, 16732), (814, 16783), (815, 16786), (821, 16804), (858, 16882), (864, 16909), (879, 16951), (919, 17098), (923, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 140

Candidate Starts for Elliott_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 144

Candidate Starts for Elite2014_23:

(Start: 144 @18953 has 125 MA's), (Start: 205 @19037 has 48 MA's), (Start: 244 @19115 has 1 MA's), (279, 19202), (284, 19217), (300, 19265), (317, 19304), (359, 19391), (372, 19424), (388, 19460), (400, 19490), (402, 19496), (437, 19565), (495, 19595), (498, 19607), (499, 19610), (520, 19667), (589, 19799), (591, 19805), (614, 19871), (616, 19877), (625, 19901), (648, 19949), (662, 19973), (664, 19982), (688, 20057), (752, 20108), (758, 20123), (809, 20285), (817, 20312), (826, 20342), (868, 20447), (897, 20525), (904, 20561), (907, 20570), (916, 20603), (923, 20618),

Gene: Elle_28 Start: 19061, Stop: 20845, Start Num: 150

Candidate Starts for Elle_28:

(Start: 130 @19037 has 8 MA's), (Start: 150 @19061 has 625 MA's), (212, 19136), (237, 19181), (245, 19199), (283, 19295), (284, 19298), (298, 19328), (300, 19334), (320, 19373), (330, 19388), (357, 19442), (367, 19466), (393, 19520), (453, 19637), (467, 19670), (487, 19712), (491, 19715), (513, 19781), (536, 19832), (587, 19916), (667, 20105), (668, 20108), (689, 20171), (753, 20336), (766, 20375), (771, 20390), (791, 20447), (802, 20483), (837, 20576), (880, 20696), (907, 20789), (919, 20831),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 118

Candidate Starts for Ellie_20:

(Start: 96 @17297 has 3 MA's), (Start: 112 @17327 has 26 MA's), (Start: 115 @17333 has 20 MA's), (Start: 118 @17336 has 149 MA's), (Start: 138 @17348 has 76 MA's), (Start: 144 @17354 has 125 MA's), (230, 17480), (237, 17495), (261, 17546), (274, 17576), (283, 17609), (325, 17711), (347, 17747), (351, 17753), (385, 17834), (446, 17978), (449, 17981), (459, 17996), (465, 18008), (467, 18014), (476, 18032), (487, 18056), (492, 18062), (500, 18089), (598, 18245), (643, 18362), (662, 18395), (665, 18407), (668, 18419), (685, 18467), (764, 18659), (777, 18692), (786, 18701), (810, 18764), (815, 18776), (834, 18827), (837, 18833), (880, 18926), (897, 18977), (907, 19022), (917, 19061), (919, 19064), (929, 19082),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 144

Candidate Starts for Elph10_25:

(Start: 144 @19216 has 125 MA's), (Start: 205 @19300 has 48 MA's), (Start: 244 @19378 has 1 MA's), (279, 19465), (284, 19480), (300, 19528), (317, 19567), (359, 19654), (372, 19687), (388, 19723), (400, 19753), (402, 19759), (437, 19828), (495, 19858), (498, 19870), (499, 19873), (520, 19930), (589, 20062), (591, 20068), (614, 20134), (616, 20140), (625, 20164), (648, 20212), (662, 20236), (664, 20245), (688, 20320), (752, 20371), (758, 20386), (809, 20548), (817, 20575), (826,

20605), (868, 20710), (897, 20788), (904, 20824), (907, 20833), (916, 20866), (923, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 150

Candidate Starts for Emalyn_17:

(Start: 140 @15030 has 9 MA's), (Start: 150 @15033 has 625 MA's), (222, 15132), (230, 15144), (274, 15240), (300, 15324), (351, 15414), (375, 15474), (409, 15558), (430, 15603), (458, 15636), (462, 15648), (474, 15672), (500, 15741), (504, 15753), (606, 15918), (633, 15990), (668, 16068), (673, 16083), (678, 16101), (699, 16158), (769, 16299), (771, 16305), (777, 16317), (786, 16326), (814, 16398), (815, 16401), (817, 16407), (821, 16419), (864, 16524), (867, 16533), (879, 16566), (923, 16719),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 118

Candidate Starts for Emerson_23:

(Start: 118 @17148 has 149 MA's), (Start: 144 @17178 has 125 MA's), (245, 17337), (261, 17370), (274, 17400), (283, 17433), (287, 17445), (325, 17535), (351, 17577), (381, 17649), (385, 17658), (401, 17697), (415, 17742), (424, 17763), (426, 17766), (459, 17820), (467, 17838), (487, 17880), (492, 17886), (500, 17913), (589, 18051), (598, 18069), (609, 18111), (615, 18129), (628, 18159), (643, 18186), (685, 18291), (753, 18450), (765, 18486), (777, 18516), (786, 18525), (815, 18600), (834, 18651), (907, 18846), (917, 18885), (919, 18888), (929, 18906),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 139

Candidate Starts for EmiMonkey_16:

(Start: 139 @14759 has 218 MA's), (207, 14846), (Start: 233 @14891 has 2 MA's), (242, 14915), (282, 15020), (284, 15026), (289, 15044), (300, 15074), (353, 15179), (375, 15239), (382, 15257), (384, 15260), (388, 15269), (398, 15293), (493, 15419), (497, 15434), (499, 15440), (512, 15476), (513, 15479), (516, 15491), (520, 15497), (543, 15545), (550, 15557), (554, 15563), (587, 15623), (592, 15635), (606, 15671), (609, 15683), (645, 15758), (648, 15767), (660, 15785), (662, 15791), (670, 15821), (751, 15926), (753, 15938), (765, 15974), (792, 16052), (826, 16172), (843, 16205), (858, 16235), (860, 16247), (864, 16265), (866, 16271), (867, 16274), (869, 16280), (878, 16295), (879, 16298), (882, 16319), (883, 16322), (899, 16364), (904, 16394), (916, 16436), (917, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 162

Candidate Starts for Emianna_41:

(Start: 162 @30825 has 92 MA's), (Start: 190 @30861 has 1 MA's), (201, 30879), (237, 30939), (355, 31179), (358, 31191), (363, 31206), (398, 31272), (403, 31287), (412, 31311), (413, 31314), (461, 31398), (475, 31428), (477, 31431), (501, 31488), (517, 31536), (519, 31539), (531, 31560), (603, 31665), (625, 31710), (648, 31752), (706, 31926), (724, 31956), (733, 31962), (796, 32070), (797, 32073), (821, 32148), (904, 32367), (923, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 139

Candidate Starts for Emma_16:

(Start: 139 @14857 has 218 MA's), (207, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (282, 15118), (284, 15124), (289, 15142), (300, 15172), (353, 15277), (375, 15337), (384, 15358), (388, 15367), (398, 15391), (493, 15517), (497, 15532), (499, 15538), (512, 15574), (513, 15577), (516, 15589), (520, 15595), (543, 15643), (550, 15655), (554, 15661), (587, 15721), (592, 15733), (606, 15769), (609, 15781), (645, 15856), (648, 15865), (660, 15883), (662, 15889), (670, 15919), (751, 16024), (752, 16033), (753, 16036), (765, 16072), (792, 16150), (820, 16249), (826, 16270), (843, 16303), (858, 16333), (864, 16363), (867, 16372), (869, 16378), (878, 16393), (879, 16396), (883, 16420), (894, 16450), (899, 16462), (904, 16492), (916, 16534),

Gene: Emmaloid_17 Start: 14596, Stop: 16305, Start Num: 139

Candidate Starts for Emmaloid_17:

(Start: 139 @14596 has 218 MA's), (207, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (282, 14857), (284, 14863), (289, 14881), (300, 14911), (353, 15016), (375, 15076), (382, 15094), (384, 15097), (388, 15106), (398, 15130), (493, 15256), (497, 15271), (499, 15277), (512, 15313), (513, 15316), (516, 15328), (520, 15334), (543, 15382), (550, 15394), (554, 15400), (587, 15460), (592, 15472), (606, 15508), (609, 15520), (645, 15595), (648, 15604), (660, 15622), (662, 15628), (670, 15658), (751, 15763), (753, 15775), (765, 15811), (792, 15889), (826, 16009), (843, 16042), (858, 16072), (860, 16084), (864, 16102), (866, 16108), (867, 16111), (869, 16117), (878, 16132), (879, 16135), (882, 16156), (883, 16159), (899, 16201), (904, 16231), (916, 16273), (917, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 205

Candidate Starts for Emmina_25:

(Start: 144 @19577 has 125 MA's), (Start: 205 @19661 has 48 MA's), (Start: 244 @19739 has 1 MA's), (279, 19826), (284, 19841), (300, 19889), (317, 19928), (359, 20015), (372, 20048), (388, 20084), (400, 20114), (402, 20120), (437, 20189), (495, 20219), (498, 20231), (499, 20234), (520, 20291), (589, 20423), (591, 20429), (614, 20495), (616, 20501), (625, 20525), (648, 20573), (662, 20597), (664, 20606), (688, 20681), (752, 20732), (758, 20747), (809, 20909), (817, 20936), (826, 20966), (868, 21071), (897, 21149), (904, 21185), (907, 21194), (916, 21227), (923, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 139

Candidate Starts for Empress_17:

(Start: 139 @16157 has 218 MA's), (207, 16244), (Start: 233 @16289 has 2 MA's), (242, 16313), (282, 16418), (284, 16424), (289, 16442), (300, 16472), (353, 16577), (375, 16637), (384, 16658), (388, 16667), (398, 16691), (493, 16817), (497, 16832), (499, 16838), (512, 16874), (513, 16877), (516, 16889), (520, 16895), (543, 16943), (550, 16955), (554, 16961), (587, 17021), (592, 17033), (606, 17069), (609, 17081), (645, 17156), (648, 17165), (660, 17183), (662, 17189), (670, 17219), (751, 17324), (752, 17333), (753, 17336), (765, 17372), (792, 17450), (820, 17549), (826, 17570), (843, 17603), (858, 17633), (864, 17663), (867, 17672), (869, 17678), (878, 17693), (879, 17696), (882, 17717), (883, 17720), (899, 17762), (904, 17792), (916, 17834),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 150

Candidate Starts for EmyBug_30:

(Start: 148 @21776 has 18 MA's), (Start: 150 @21779 has 625 MA's), (283, 22013), (284, 22016), (319, 22088), (320, 22091), (330, 22106), (353, 22145), (355, 22151), (401, 22262), (445, 22349), (487, 22430), (491, 22433), (509, 22493), (580, 22619), (608, 22682), (614, 22706), (616, 22712), (631, 22745), (668, 22826), (708, 22952), (726, 22994), (727, 22997), (753, 23054), (764, 23087), (769, 23102), (801, 23201), (802, 23204), (805, 23216), (837, 23300), (864, 23366), (877, 23405), (879, 23411), (890, 23456), (907, 23513), (908, 23516),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 119

Candidate Starts for EnalisNailo_20:

(Start: 104 @17691 has 1 MA's), (Start: 119 @17715 has 25 MA's), (Start: 162 @17763 has 92 MA's), (201, 17820), (224, 17862), (320, 18051), (387, 18198), (391, 18204), (407, 18249), (483, 18387), (512, 18462), (667, 18744), (674, 18765), (699, 18840), (744, 18927), (759, 18963), (769, 18996), (771, 19002), (804, 19068), (815, 19098), (877, 19254), (879, 19260), (882, 19278), (914, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 139

Candidate Starts for Enby_17:

(Start: 139 @14628 has 218 MA's), (207, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (266, 14841), (282, 14889), (284, 14895), (289, 14913), (300, 14943), (353, 15048), (371, 15102), (375, 15108), (379, 15117), (384, 15129), (388, 15138), (398, 15162), (410, 15198), (411, 15204), (415, 15216), (425, 15237), (427, 15240), (441, 15249), (467, 15264), (474, 15270), (493, 15288), (497, 15303), (499, 15309), (505, 15327), (506, 15330), (512, 15345), (516, 15360), (520, 15366), (534, 15396), (543, 15414), (550, 15426), (554, 15432), (587, 15492), (592, 15504), (606, 15540), (609,

15552), (616, 15573), (645, 15627), (648, 15636), (662, 15660), (670, 15690), (751, 15795), (753, 15807), (765, 15843), (779, 15882), (792, 15921), (820, 16020), (826, 16041), (843, 16074), (858, 16104), (864, 16134), (867, 16143), (869, 16149), (878, 16164), (879, 16167), (882, 16188), (883, 16191), (899, 16233), (904, 16263), (916, 16305), (917, 16311),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 160

Candidate Starts for Engineer_49:

(Start: 160 @29557 has 22 MA's), (202, 29617), (216, 29650), (Start: 233 @29680 has 2 MA's), (234, 29683), (292, 29842), (294, 29851), (354, 29980), (370, 30028), (520, 30241), (523, 30247), (534, 30271), (601, 30400), (606, 30421), (616, 30454), (688, 30652), (789, 30805), (817, 30904), (821, 30916), (824, 30925), (860, 31009), (905, 31156), (915, 31192),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Enkosi_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 162

Candidate Starts for Ennea_47:

(Start: 162 @31470 has 92 MA's), (237, 31587), (355, 31827), (358, 31839), (363, 31854), (398, 31920), (403, 31935), (461, 32046), (475, 32076), (477, 32079), (501, 32136), (531, 32208), (603, 32313), (648, 32400), (666, 32448), (706, 32574), (707, 32577), (733, 32610), (766, 32667), (821, 32796), (837, 32835), (883, 32940), (902, 33003), (904, 33015), (908, 33027), (910, 33036), (923, 33072),

Gene: EnzoK_28 Start: 21308, Stop: 23110, Start Num: 152

Candidate Starts for EnzoK_28:

(Start: 152 @21308 has 219 MA's), (Start: 173 @21329 has 4 MA's), (Start: 199 @21371 has 1 MA's), (223, 21416), (320, 21632), (347, 21677), (353, 21686), (391, 21776), (393, 21779), (491, 21974), (514, 22043), (609, 22232), (613, 22244), (614, 22247), (622, 22268), (667, 22364), (668, 22367), (670, 22373), (696, 22442), (699, 22460), (701, 22469), (714, 22499), (753, 22595), (764, 22628), (769, 22643), (815, 22784), (837, 22841), (879, 22952), (925, 23105),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for EpicPhail_29:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 118

Candidate Starts for Eponine_24:

(Start: 96 @18484 has 3 MA's), (Start: 112 @18514 has 26 MA's), (Start: 115 @18520 has 20 MA's), (Start: 118 @18523 has 149 MA's), (Start: 141 @18538 has 4 MA's), (Start: 181 @18580 has 32 MA's), (208, 18628), (230, 18667), (237, 18682), (245, 18700), (261, 18733), (274, 18763), (287, 18808), (294, 18826), (325, 18898), (330, 18904), (347, 18934), (348, 18937), (375, 19000), (381, 19012), (433, 19147), (446, 19165), (465, 19195), (467, 19201), (476, 19219), (492, 19249), (504,

19288), (589, 19414), (610, 19477), (685, 19678), (701, 19732), (719, 19777), (744, 19822), (753, 19846), (764, 19879), (777, 19912), (810, 19984), (815, 19996), (834, 20047), (837, 20053), (882, 20155), (917, 20281), (929, 20302),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 150

Candidate Starts for Epsocamisio_30:

(102, 19027), (Start: 130 @19069 has 8 MA's), (Start: 150 @19093 has 625 MA's), (245, 19231), (272, 19288), (284, 19330), (300, 19366), (320, 19405), (357, 19474), (367, 19498), (393, 19552), (467, 19702), (491, 19747), (500, 19777), (513, 19813), (536, 19864), (561, 19900), (587, 19948), (610, 20008), (667, 20137), (696, 20215), (769, 20416), (771, 20422), (802, 20518), (866, 20683), (897, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 150

Candidate Starts for Equemioh13_30:

(Start: 130 @20632 has 8 MA's), (Start: 150 @20656 has 625 MA's), (Start: 244 @20791 has 1 MA's), (283, 20890), (284, 20893), (319, 20965), (320, 20968), (353, 21022), (355, 21028), (381, 21091), (401, 21139), (411, 21172), (445, 21226), (487, 21307), (491, 21310), (500, 21340), (580, 21496), (614, 21583), (668, 21703), (707, 21826), (708, 21829), (714, 21835), (743, 21883), (764, 21946), (769, 21961), (771, 21967), (790, 22021), (801, 22060), (805, 22075), (817, 22108), (834, 22153), (877, 22264), (879, 22270), (894, 22324),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 139

Candidate Starts for Eradicator_16:

(Start: 139 @14770 has 218 MA's), (207, 14857), (Start: 233 @14902 has 2 MA's), (242, 14926), (266, 14983), (282, 15031), (284, 15037), (289, 15055), (300, 15085), (353, 15190), (371, 15244), (375, 15250), (379, 15259), (388, 15280), (398, 15304), (410, 15340), (411, 15346), (425, 15379), (427, 15382), (441, 15391), (467, 15406), (474, 15412), (493, 15430), (497, 15445), (499, 15451), (505, 15469), (506, 15472), (512, 15487), (516, 15502), (520, 15508), (543, 15556), (550, 15568), (554, 15574), (587, 15634), (592, 15646), (606, 15682), (609, 15694), (645, 15769), (648, 15778), (660, 15796), (662, 15802), (670, 15832), (751, 15937), (753, 15949), (765, 15985), (792, 16063), (826, 16183), (843, 16216), (858, 16246), (860, 16258), (864, 16276), (866, 16282), (867, 16285), (869, 16291), (878, 16306), (879, 16309), (882, 16330), (883, 16333), (899, 16375), (904, 16405), (916, 16447), (917, 16453),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 150

Candidate Starts for EricB_31:

(102, 19903), (Start: 130 @19945 has 8 MA's), (Start: 150 @19969 has 625 MA's), (273, 20167), (284, 20206), (319, 20278), (320, 20281), (332, 20299), (353, 20335), (355, 20341), (401, 20452), (403, 20458), (415, 20497), (445, 20539), (467, 20578), (487, 20620), (491, 20623), (509, 20683), (624, 20920), (631, 20935), (668, 21016), (714, 21148), (769, 21274), (788, 21325), (790, 21334), (801, 21373), (802, 21376), (805, 21388), (837, 21472), (877, 21577), (879, 21583), (916, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 181

Candidate Starts for Erik_23:

(Start: 181 @16348 has 32 MA's), (220, 16417), (241, 16453), (273, 16525), (320, 16639), (383, 16768), (401, 16810), (407, 16828), (410, 16837), (Start: 417 @16861 has 1 MA's), (430, 16879), (455, 16903), (458, 16909), (465, 16924), (466, 16927), (491, 16975), (608, 17176), (614, 17200), (667, 17314), (696, 17392), (704, 17431), (708, 17443), (743, 17473), (769, 17551), (831, 17698), (871, 17797), (877, 17812), (923, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Eris_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's),
(230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145),
(330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556),
(562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973),
(701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162),
(787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Eros_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's),
(230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145),
(330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556),
(562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973),
(701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162),
(787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Espica_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383,
16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455,
16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667,
17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871,
17798), (877, 17813), (923, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 152

Candidate Starts for Espresso_27:

(Start: 152 @21202 has 219 MA's), (Start: 173 @21223 has 4 MA's), (Start: 199 @21265 has 1 MA's),
(223, 21310), (320, 21526), (347, 21571), (353, 21580), (367, 21619), (391, 21670), (393, 21673),
(491, 21868), (514, 21937), (613, 22138), (614, 22141), (622, 22162), (667, 22258), (668, 22261),
(670, 22267), (696, 22336), (699, 22354), (701, 22363), (714, 22393), (753, 22489), (764, 22522),
(769, 22537), (815, 22678), (837, 22735), (879, 22846),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 139

Candidate Starts for Estave1_16:

(Start: 139 @14924 has 218 MA's), (207, 15011), (Start: 233 @15056 has 2 MA's), (242, 15080), (266,
15137), (282, 15185), (284, 15191), (289, 15209), (293, 15218), (300, 15239), (353, 15344), (371,
15398), (375, 15404), (379, 15413), (388, 15434), (398, 15458), (410, 15494), (411, 15500), (415,
15512), (425, 15533), (474, 15566), (493, 15584), (497, 15599), (499, 15605), (506, 15626), (512,
15641), (516, 15656), (520, 15662), (525, 15671), (543, 15710), (550, 15722), (554, 15728), (587,
15788), (606, 15836), (609, 15848), (616, 15869), (645, 15923), (648, 15932), (662, 15956), (751,
16091), (753, 16103), (765, 16139), (792, 16217), (820, 16316), (826, 16337), (843, 16370), (858,
16400), (864, 16430), (867, 16439), (869, 16445), (878, 16460), (879, 16463), (882, 16484), (883,
16487), (899, 16529), (916, 16601),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 150

Candidate Starts for Et2Brutus_27:

(102, 20692), (Start: 130 @20734 has 8 MA's), (Start: 150 @20758 has 625 MA's), (Start: 193 @20800
has 3 MA's), (245, 20896), (253, 20911), (283, 20992), (284, 20995), (320, 21070), (330, 21085), (353,
21124), (355, 21130), (375, 21181), (401, 21241), (403, 21247), (445, 21328), (491, 21412), (541,
21538), (552, 21556), (568, 21583), (631, 21724), (664, 21790), (667, 21802), (668, 21805), (734,
21994), (747, 22021), (751, 22030), (757, 22051), (758, 22054), (764, 22075), (769, 22090), (778,
22114), (801, 22189), (805, 22204), (837, 22288), (877, 22393), (879, 22399), (894, 22453), (925,
22552),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Etoile_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: EtoileNova_28 Start: 20459, Stop: 22258, Start Num: 150

Candidate Starts for EtoileNova_28:

(Start: 150 @20459 has 625 MA's), (Start: 199 @20519 has 1 MA's), (237, 20588), (279, 20690), (283, 20702), (284, 20705), (320, 20780), (330, 20795), (353, 20834), (407, 20969), (445, 21038), (500, 21152), (562, 21278), (613, 21392), (622, 21416), (627, 21428), (631, 21434), (668, 21515), (696, 21590), (699, 21608), (701, 21617), (708, 21641), (714, 21647), (719, 21662), (734, 21695), (752, 21740), (753, 21743), (761, 21764), (802, 21893), (837, 21989), (877, 22094), (879, 22100), (916, 22235),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Eudoria_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 152

Candidate Starts for Euphoria_27:

(Start: 152 @21090 has 219 MA's), (Start: 173 @21111 has 4 MA's), (Start: 199 @21153 has 1 MA's), (223, 21198), (320, 21414), (347, 21459), (353, 21468), (391, 21558), (393, 21561), (491, 21756), (514, 21825), (613, 22026), (614, 22029), (622, 22050), (667, 22146), (668, 22149), (670, 22155), (696, 22224), (699, 22242), (701, 22251), (714, 22281), (753, 22377), (764, 22410), (769, 22425), (815, 22566), (837, 22623), (879, 22734), (925, 22887),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 144

Candidate Starts for Eureka_24:

(Start: 144 @19731 has 125 MA's), (Start: 205 @19815 has 48 MA's), (Start: 244 @19893 has 1 MA's), (279, 19980), (284, 19995), (300, 20043), (317, 20082), (359, 20169), (372, 20202), (388, 20238), (400, 20268), (402, 20274), (437, 20343), (495, 20373), (498, 20385), (499, 20388), (520, 20445), (589, 20577), (591, 20583), (614, 20649), (616, 20655), (625, 20679), (648, 20727), (662, 20751), (664, 20760), (688, 20835), (752, 20886), (758, 20901), (809, 21063), (817, 21090), (826, 21120), (868, 21225), (897, 21303), (904, 21339), (907, 21348), (916, 21381), (923, 21396),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Eurydice_27:

(69, 19674), (88, 19719), (Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916,

21579),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 105

Candidate Starts for Evamon_31:

(86, 25819), (Start: 105 @25861 has 84 MA's), (Start: 129 @25897 has 1 MA's), (Start: 155 @25930 has 12 MA's), (249, 26086), (274, 26140), (275, 26143), (283, 26173), (310, 26239), (320, 26263), (326, 26272), (345, 26305), (410, 26458), (430, 26497), (466, 26548), (470, 26560), (480, 26578), (486, 26590), (490, 26602), (495, 26617), (504, 26647), (505, 26650), (513, 26671), (581, 26743), (603, 26791), (647, 26902), (665, 26935), (676, 26974), (677, 26977), (701, 27049), (740, 27115), (744, 27127), (815, 27298), (816, 27301), (834, 27349), (852, 27376), (860, 27403), (877, 27457), (908, 27574), (914, 27595), (925, 27622),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Evanesce_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for Eviarto_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 150

Candidate Starts for EvilGenius_30:

(Start: 130 @20585 has 8 MA's), (Start: 150 @20609 has 625 MA's), (226, 20708), (266, 20792), (283, 20843), (284, 20846), (319, 20918), (320, 20921), (353, 20975), (367, 21014), (401, 21092), (445, 21179), (487, 21260), (491, 21263), (580, 21449), (614, 21536), (664, 21641), (668, 21656), (708, 21782), (714, 21788), (743, 21836), (747, 21845), (753, 21866), (764, 21899), (769, 21914), (771, 21920), (790, 21974), (801, 22013), (805, 22028), (837, 22112), (879, 22223),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 193

Candidate Starts for Ewald_22:

(72, 18257), (95, 18317), (158, 18410), (Start: 186 @18446 has 2 MA's), (Start: 193 @18458 has 3 MA's), (200, 18470), (247, 18572), (248, 18578), (272, 18626), (280, 18656), (302, 18722), (304, 18728), (358, 18839), (360, 18848), (370, 18875), (376, 18884), (385, 18905), (497, 19076), (498, 19079), (523, 19145), (531, 19160), (556, 19211), (566, 19244), (579, 19253), (601, 19295), (606, 19316), (622, 19364), (626, 19376), (636, 19403), (668, 19472), (693, 19541), (751, 19574), (768, 19631), (775, 19646), (788, 19682), (806, 19751), (839, 19838), (846, 19853), (865, 19910), (868, 19919), (882, 19958), (895, 19997), (898, 20003),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 150

Candidate Starts for Expelliarmus_23:

(Start: 130 @18596 has 8 MA's), (Start: 150 @18620 has 625 MA's), (222, 18713), (245, 18758), (284, 18857), (300, 18893), (320, 18932), (330, 18947), (351, 18983), (401, 19103), (403, 19109), (467, 19229), (520, 19358), (562, 19430), (613, 19544), (699, 19760), (708, 19793), (753, 19895), (764,

19928), (769, 19943), (780, 19973), (876, 20243), (879, 20252), (880, 20261), (913, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for ExplosioNervosa_30:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748), (668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 152

Candidate Starts for Eyeball_27:

(Start: 152 @20895 has 219 MA's), (Start: 173 @20916 has 4 MA's), (Start: 199 @20958 has 1 MA's), (223, 21003), (320, 21219), (347, 21264), (353, 21273), (367, 21312), (391, 21363), (393, 21366), (491, 21561), (514, 21630), (613, 21831), (614, 21834), (622, 21855), (667, 21951), (668, 21954), (670, 21960), (696, 22029), (699, 22047), (701, 22056), (714, 22086), (753, 22182), (764, 22215), (769, 22230), (815, 22371), (837, 22428), (879, 22539),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 146

Candidate Starts for Eyes_19:

(37, 16176), (47, 16299), (51, 16320), (76, 16515), (120, 16599), (Start: 129 @16611 has 1 MA's), (Start: 146 @16632 has 7 MA's), (279, 16869), (289, 16902), (330, 16986), (415, 17187), (443, 17229), (466, 17265), (480, 17295), (490, 17319), (503, 17361), (513, 17388), (565, 17445), (568, 17451), (609, 17538), (728, 17832), (758, 17898), (765, 17922), (771, 17940), (815, 18036), (821, 18054), (880, 18210), (881, 18213), (884, 18225), (905, 18300), (913, 18327),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 165

Candidate Starts for Eyre_17:

(Start: 165 @15369 has 39 MA's), (239, 15486), (299, 15636), (355, 15732), (363, 15759), (404, 15852), (408, 15864), (495, 16038), (546, 16155), (568, 16179), (648, 16344), (668, 16401), (680, 16440), (700, 16497), (701, 16500), (753, 16593), (764, 16626), (867, 16881), (868, 16884), (882, 16932), (891, 16962), (907, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 81

Candidate Starts for FF47_21:

(81, 15896), (Start: 94 @15932 has 4 MA's), (124, 15983), (145, 16010), (192, 16070), (230, 16136), (254, 16187), (263, 16205), (395, 16511), (413, 16568), (433, 16616), (435, 16619), (458, 16682), (467, 16703), (496, 16766), (499, 16775), (504, 16790), (593, 16925), (606, 16964), (612, 16985), (627, 17024), (651, 17066), (660, 17081), (662, 17087), (794, 17396), (796, 17405), (798, 17411), (801, 17423), (810, 17453), (819, 17477), (876, 17597), (891, 17654), (915, 17741), (917, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 177

Candidate Starts for Fairfaxidum_19:

(29, 16287), (35, 16317), (36, 16323), (48, 16455), (55, 16512), (57, 16521), (84, 16680), (Start: 141 @16782 has 4 MA's), (Start: 177 @16818 has 46 MA's), (237, 16923), (273, 17001), (291, 17061), (299, 17073), (300, 17076), (316, 17100), (400, 17274), (405, 17289), (454, 17373), (459, 17385), (462, 17394), (465, 17397), (474, 17418), (495, 17460), (504, 17490), (617, 17673), (627, 17697), (655, 17748), (687, 17841), (695, 17853), (704, 17895), (713, 17913), (766, 18048), (810, 18147), (817, 18165), (837, 18216), (866, 18276), (868, 18282), (894, 18357),

Gene: FairyPath_24 Start: 20027, Stop: 21622, Start Num: 205

Candidate Starts for FairyPath_24:

(Start: 144 @19943 has 125 MA's), (Start: 205 @20027 has 48 MA's), (Start: 244 @20105 has 1 MA's), (279, 20192), (284, 20207), (300, 20255), (317, 20294), (359, 20381), (372, 20414), (388, 20450), (400, 20480), (402, 20486), (437, 20555), (495, 20585), (498, 20597), (499, 20600), (520, 20657), (589, 20789), (591, 20795), (614, 20861), (616, 20867), (625, 20891), (648, 20939), (662, 20963), (664, 20972), (688, 21047), (752, 21098), (758, 21113), (809, 21275), (817, 21302), (826, 21332), (868, 21437), (897, 21515), (904, 21551), (907, 21560), (916, 21593), (923, 21608),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 165

Candidate Starts for Faith5x5_17:

(79, 14519), (Start: 165 @14654 has 39 MA's), (194, 14696), (239, 14771), (271, 14843), (272, 14846), (282, 14882), (299, 14921), (330, 14975), (363, 15044), (368, 15056), (403, 15134), (404, 15137), (495, 15323), (524, 15404), (568, 15464), (575, 15470), (603, 15512), (631, 15593), (648, 15629), (659, 15647), (663, 15662), (668, 15686), (697, 15761), (700, 15782), (701, 15785), (810, 16016), (816, 16031), (867, 16166), (868, 16169), (882, 16217), (891, 16247), (902, 16283),

Gene: Faiyaz_24 Start: 19608, Stop: 21443, Start Num: 85

Candidate Starts for Faiyaz_24:

(Start: 85 @19608 has 5 MA's), (107, 19656), (114, 19665), (Start: 147 @19704 has 1 MA's), (Start: 181 @19734 has 32 MA's), (187, 19746), (208, 19782), (223, 19812), (230, 19821), (237, 19836), (261, 19887), (263, 19890), (297, 19989), (363, 20130), (387, 20181), (391, 20187), (405, 20226), (424, 20280), (467, 20349), (487, 20391), (501, 20427), (504, 20436), (545, 20514), (552, 20523), (570, 20553), (587, 20586), (589, 20589), (609, 20649), (617, 20673), (622, 20682), (659, 20751), (695, 20856), (696, 20859), (701, 20886), (796, 21069), (894, 21324), (917, 21414), (919, 21417), (921, 21420),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 152

Candidate Starts for Fajezeel_29:

(Start: 152 @21405 has 219 MA's), (Start: 173 @21426 has 4 MA's), (Start: 199 @21468 has 1 MA's), (223, 21513), (320, 21729), (347, 21774), (353, 21783), (391, 21873), (393, 21876), (491, 22071), (514, 22140), (613, 22341), (614, 22344), (622, 22365), (667, 22461), (668, 22464), (670, 22470), (696, 22539), (699, 22557), (701, 22566), (714, 22596), (753, 22692), (764, 22725), (769, 22740), (815, 22881), (837, 22938), (879, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 150

Candidate Starts for Fameo_28:

(102, 20170), (Start: 130 @20212 has 8 MA's), (Start: 150 @20236 has 625 MA's), (283, 20470), (284, 20473), (319, 20545), (320, 20548), (353, 20602), (367, 20641), (387, 20686), (401, 20719), (445, 20806), (487, 20887), (491, 20890), (614, 21163), (668, 21283), (708, 21409), (743, 21463), (747, 21472), (753, 21493), (764, 21526), (769, 21541), (771, 21547), (790, 21601), (801, 21640), (805, 21655), (837, 21739), (879, 21850),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 121

Candidate Starts for Familton_57:

(Start: 115 @33472 has 20 MA's), (Start: 121 @33481 has 44 MA's), (191, 33571), (248, 33688), (266, 33724), (275, 33745), (282, 33772), (284, 33778), (294, 33808), (302, 33832), (327, 33883), (388, 34021), (392, 34027), (409, 34078), (410, 34081), (415, 34099), (493, 34150), (499, 34171), (500, 34174), (516, 34222), (520, 34228), (543, 34276), (544, 34282), (550, 34288), (573, 34348), (587, 34372), (589, 34375), (606, 34420), (610, 34435), (613, 34444), (616, 34453), (634, 34498), (648, 34516), (664, 34549), (753, 34687), (761, 34708), (782, 34774), (793, 34804), (807, 34858), (820, 34900), (826, 34921), (836, 34942), (843, 34954), (855, 34975), (869, 35029), (897, 35107), (904, 35143), (910, 35164), (917, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 139

Candidate Starts for Fancypants_16:

(Start: 139 @14817 has 218 MA's), (207, 14904), (218, 14925), (Start: 233 @14949 has 2 MA's), (242, 14973), (248, 14994), (282, 15078), (284, 15084), (289, 15102), (300, 15132), (353, 15237), (371, 15291), (375, 15297), (382, 15315), (384, 15318), (388, 15327), (398, 15351), (425, 15426), (441, 15438), (467, 15453), (474, 15459), (493, 15477), (497, 15492), (499, 15498), (506, 15519), (512, 15534), (516, 15549), (520, 15555), (543, 15603), (550, 15615), (554, 15621), (587, 15681), (592, 15693), (606, 15729), (609, 15741), (645, 15816), (648, 15825), (660, 15843), (662, 15849), (670, 15879), (751, 15984), (752, 15993), (753, 15996), (765, 16032), (792, 16110), (820, 16209), (826, 16230), (843, 16263), (858, 16293), (864, 16323), (867, 16332), (869, 16338), (878, 16353), (879, 16356), (883, 16380), (894, 16410), (899, 16422), (904, 16452), (916, 16494),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 150

Candidate Starts for Farber_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (226, 20477), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (500, 21062), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344), (668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 152

Candidate Starts for Fascinus_26:

(Start: 152 @20958 has 219 MA's), (Start: 173 @20979 has 4 MA's), (Start: 199 @21021 has 1 MA's), (223, 21066), (320, 21282), (347, 21327), (353, 21336), (367, 21375), (391, 21426), (393, 21429), (491, 21624), (514, 21693), (613, 21894), (614, 21897), (622, 21918), (667, 22014), (668, 22017), (670, 22023), (696, 22092), (699, 22110), (701, 22119), (714, 22149), (753, 22245), (764, 22278), (769, 22293), (815, 22434), (837, 22491), (879, 22602),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 139

Candidate Starts for Fastidio_16:

(Start: 139 @14771 has 218 MA's), (207, 14858), (Start: 233 @14903 has 2 MA's), (242, 14927), (282, 15032), (284, 15038), (289, 15056), (300, 15086), (353, 15191), (371, 15245), (375, 15251), (384, 15272), (388, 15281), (398, 15305), (411, 15347), (493, 15431), (497, 15446), (499, 15452), (512, 15488), (513, 15491), (516, 15503), (520, 15509), (543, 15557), (550, 15569), (554, 15575), (587, 15635), (592, 15647), (606, 15683), (609, 15695), (645, 15770), (648, 15779), (660, 15797), (662, 15803), (670, 15833), (751, 15938), (752, 15947), (753, 15950), (765, 15986), (792, 16064), (820, 16163), (826, 16184), (843, 16217), (858, 16247), (864, 16277), (867, 16286), (869, 16292), (878, 16307), (879, 16310), (883, 16334), (894, 16364), (899, 16376), (904, 16406), (916, 16448),

Gene: FatCactus_26 Start: 18608, Stop: 20407, Start Num: 150

Candidate Starts for FatCactus_26:

(102, 18542), (Start: 130 @18584 has 8 MA's), (Start: 150 @18608 has 625 MA's), (189, 18644), (283, 18842), (284, 18845), (319, 18917), (320, 18920), (353, 18974), (355, 18980), (375, 19031), (401, 19091), (407, 19109), (445, 19178), (483, 19253), (487, 19259), (491, 19262), (562, 19418), (580, 19448), (616, 19541), (631, 19574), (667, 19652), (668, 19655), (708, 19781), (726, 19823), (733, 19841), (752, 19889), (753, 19892), (769, 19940), (801, 20039), (805, 20054), (810, 20069), (837, 20138), (877, 20243), (879, 20249), (894, 20303), (916, 20384),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Fayely_30:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748),

(668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 150

Candidate Starts for Feastonyeet_17:

(Start: 140 @15458 has 9 MA's), (Start: 150 @15461 has 625 MA's), (222, 15560), (245, 15602), (275, 15671), (351, 15842), (387, 15929), (397, 15950), (400, 15959), (409, 15986), (430, 16031), (458, 16064), (465, 16079), (476, 16103), (490, 16136), (500, 16169), (504, 16181), (528, 16238), (580, 16286), (594, 16316), (606, 16346), (627, 16409), (657, 16460), (668, 16496), (673, 16511), (678, 16529), (699, 16586), (701, 16595), (765, 16715), (769, 16727), (798, 16775), (814, 16826), (815, 16829), (821, 16847), (858, 16925), (861, 16940), (864, 16952), (879, 16994), (919, 17141), (923, 17147),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 115

Candidate Starts for Fefferhead_22:

(Start: 96 @17464 has 3 MA's), (Start: 112 @17494 has 26 MA's), (Start: 115 @17500 has 20 MA's), (Start: 118 @17503 has 149 MA's), (Start: 138 @17515 has 76 MA's), (Start: 144 @17521 has 125 MA's), (230, 17647), (237, 17662), (261, 17713), (274, 17743), (283, 17776), (325, 17878), (351, 17920), (381, 17992), (385, 18001), (446, 18145), (449, 18148), (459, 18163), (465, 18175), (467, 18181), (476, 18199), (487, 18223), (492, 18229), (500, 18256), (598, 18412), (643, 18529), (662, 18562), (665, 18574), (668, 18586), (685, 18634), (764, 18826), (777, 18859), (810, 18931), (815, 18943), (834, 18994), (837, 19000), (880, 19093), (897, 19144), (907, 19189), (917, 19228), (919, 19231), (929, 19249),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 152

Candidate Starts for Fenn_28:

(Start: 152 @22770 has 219 MA's), (Start: 173 @22791 has 4 MA's), (Start: 199 @22833 has 1 MA's), (223, 22878), (320, 23094), (347, 23139), (353, 23148), (367, 23187), (391, 23238), (393, 23241), (491, 23436), (514, 23505), (542, 23565), (613, 23706), (614, 23709), (622, 23730), (667, 23826), (668, 23829), (670, 23835), (696, 23904), (699, 23922), (701, 23931), (714, 23961), (753, 24057), (764, 24090), (769, 24105), (815, 24246), (837, 24303), (879, 24414),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 177

Candidate Starts for Fenry_18:

(Start: 141 @16333 has 4 MA's), (Start: 177 @16369 has 46 MA's), (237, 16471), (274, 16552), (316, 16648), (338, 16687), (361, 16732), (367, 16747), (377, 16768), (400, 16822), (405, 16837), (495, 17008), (504, 17038), (580, 17137), (617, 17221), (627, 17245), (655, 17296), (687, 17389), (695, 17401), (705, 17446), (713, 17461), (765, 17593), (766, 17596), (810, 17695), (817, 17713), (837, 17764), (866, 17824), (868, 17830), (889, 17893), (894, 17905),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for Fernando_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 121

Candidate Starts for Feyre_21:

(Start: 121 @17413 has 44 MA's), (Start: 127 @17419 has 1 MA's), (Start: 147 @17443 has 1 MA's), (Start: 181 @17476 has 32 MA's), (208, 17524), (237, 17578), (261, 17629), (283, 17692), (330, 17800), (381, 17908), (424, 18022), (426, 18025), (449, 18064), (459, 18079), (465, 18091), (467, 18097), (487, 18139), (492, 18145), (504, 18184), (513, 18208), (589, 18310), (610, 18373), (627, 18418), (685, 18553), (719, 18652), (757, 18730), (764, 18754), (766, 18760), (771, 18775), (815, 18871), (817, 18877), (882, 19030), (912, 19135), (913, 19138), (917, 19156),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Fibonacci_28:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 144

Candidate Starts for Filch_25:

(Start: 144 @19504 has 125 MA's), (Start: 205 @19588 has 48 MA's), (Start: 244 @19666 has 1 MA's), (279, 19753), (284, 19768), (300, 19816), (317, 19855), (359, 19942), (372, 19975), (388, 20011), (400, 20041), (402, 20047), (437, 20116), (495, 20146), (498, 20158), (499, 20161), (520, 20218), (589, 20350), (591, 20356), (614, 20422), (616, 20428), (625, 20452), (648, 20500), (662, 20524), (664, 20533), (688, 20608), (752, 20659), (758, 20674), (809, 20836), (817, 20863), (826, 20893), (868, 20998), (897, 21076), (904, 21112), (907, 21121), (916, 21154), (923, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 139

Candidate Starts for Filuzino_16:

(Start: 139 @14799 has 218 MA's), (207, 14886), (Start: 233 @14931 has 2 MA's), (242, 14955), (282, 15060), (284, 15066), (289, 15084), (300, 15114), (353, 15219), (375, 15279), (379, 15288), (382, 15297), (384, 15300), (388, 15309), (398, 15333), (425, 15408), (493, 15459), (497, 15474), (499, 15480), (512, 15516), (513, 15519), (516, 15531), (520, 15537), (543, 15585), (550, 15597), (554, 15603), (587, 15663), (592, 15675), (606, 15711), (609, 15723), (645, 15798), (648, 15807), (660, 15825), (662, 15831), (670, 15861), (751, 15966), (752, 15975), (753, 15978), (765, 16014), (792, 16092), (820, 16191), (826, 16212), (843, 16245), (858, 16275), (864, 16305), (867, 16314), (869, 16320), (878, 16335), (879, 16338), (883, 16362), (894, 16392), (899, 16404), (904, 16434), (916, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 115

Candidate Starts for Findley_19:

(Start: 96 @14980 has 3 MA's), (Start: 112 @15010 has 26 MA's), (Start: 115 @15016 has 20 MA's), (Start: 138 @15031 has 76 MA's), (Start: 181 @15073 has 32 MA's), (208, 15121), (230, 15160), (237, 15175), (261, 15226), (274, 15256), (283, 15289), (287, 15301), (294, 15319), (325, 15391), (330, 15397), (375, 15493), (381, 15505), (419, 15607), (426, 15622), (446, 15658), (467, 15694), (492, 15742), (504, 15781), (513, 15805), (516, 15817), (589, 15907), (593, 15916), (667, 16111), (685, 16162), (701, 16216), (722, 16270), (777, 16384), (786, 16393), (815, 16468), (834, 16519), (837, 16525), (880, 16621), (898, 16675), (917, 16756), (929, 16777),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 179

Candidate Starts for Finkle_19:

(65, 16073), (73, 16106), (154, 16241), (Start: 179 @16256 has 1 MA's), (183, 16262), (219, 16325), (279, 16439), (282, 16448), (283, 16451), (289, 16454), (297, 16475), (320, 16520), (323, 16523), (355, 16577), (403, 16688), (419, 16736), (468, 16823), (519, 16844), (521, 16847), (531, 16865), (603, 16967), (620, 17021), (636, 17066), (667, 17147), (704, 17261), (706, 17267), (731, 17297),

(737, 17306), (770, 17372), (831, 17513), (837, 17525), (868, 17600), (880, 17645), (912, 17759), (916, 17774),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 118

Candidate Starts for Fionnbharth_24:

(Start: 96 @18584 has 3 MA's), (Start: 112 @18614 has 26 MA's), (Start: 115 @18620 has 20 MA's), (Start: 118 @18623 has 149 MA's), (Start: 141 @18638 has 4 MA's), (Start: 181 @18680 has 32 MA's), (208, 18728), (230, 18767), (237, 18782), (245, 18800), (261, 18833), (274, 18863), (287, 18908), (294, 18926), (325, 18998), (330, 19004), (347, 19034), (348, 19037), (375, 19100), (381, 19112), (433, 19247), (446, 19265), (465, 19295), (467, 19301), (476, 19319), (492, 19349), (504, 19388), (589, 19514), (610, 19577), (685, 19778), (701, 19832), (719, 19877), (744, 19922), (753, 19946), (764, 19979), (765, 19982), (777, 20012), (810, 20084), (815, 20096), (834, 20147), (837, 20153), (882, 20255), (917, 20381), (929, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 205

Candidate Starts for FireRed_24:

(Start: 144 @19774 has 125 MA's), (Start: 205 @19858 has 48 MA's), (Start: 244 @19936 has 1 MA's), (279, 20023), (284, 20038), (300, 20086), (317, 20125), (359, 20212), (372, 20245), (388, 20281), (400, 20311), (402, 20317), (437, 20386), (495, 20416), (498, 20428), (499, 20431), (520, 20488), (589, 20620), (591, 20626), (614, 20692), (616, 20698), (625, 20722), (648, 20770), (662, 20794), (664, 20803), (688, 20878), (752, 20929), (758, 20944), (809, 21106), (817, 21133), (826, 21163), (868, 21268), (897, 21346), (904, 21382), (907, 21391), (916, 21424), (923, 21439),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 105

Candidate Starts for Fireball_32:

(86, 25942), (Start: 105 @25984 has 84 MA's), (Start: 129 @26020 has 1 MA's), (Start: 155 @26053 has 12 MA's), (274, 26263), (275, 26266), (283, 26296), (310, 26362), (320, 26386), (326, 26395), (345, 26428), (410, 26581), (430, 26620), (466, 26671), (470, 26683), (480, 26701), (486, 26713), (490, 26725), (495, 26740), (504, 26770), (505, 26773), (513, 26794), (581, 26866), (603, 26914), (647, 27025), (665, 27058), (677, 27100), (701, 27172), (740, 27238), (744, 27250), (815, 27421), (816, 27424), (834, 27472), (852, 27499), (860, 27526), (861, 27532), (877, 27580), (908, 27697), (914, 27718),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 121

Candidate Starts for Firecracker_57:

(Start: 115 @33662 has 20 MA's), (Start: 121 @33671 has 44 MA's), (191, 33761), (248, 33878), (266, 33914), (275, 33935), (282, 33962), (284, 33968), (294, 33998), (302, 34022), (327, 34073), (388, 34211), (392, 34217), (409, 34268), (410, 34271), (415, 34289), (493, 34340), (499, 34361), (500, 34364), (516, 34412), (520, 34418), (543, 34466), (544, 34472), (550, 34478), (573, 34538), (587, 34562), (589, 34565), (606, 34610), (610, 34625), (613, 34634), (616, 34643), (634, 34688), (648, 34706), (664, 34739), (753, 34877), (761, 34898), (782, 34964), (793, 34994), (807, 35048), (820, 35090), (826, 35111), (836, 35132), (843, 35144), (855, 35165), (869, 35219), (897, 35297), (904, 35333), (910, 35354), (917, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 139

Candidate Starts for Firehouse51_17:

(Start: 139 @15366 has 218 MA's), (207, 15453), (Start: 233 @15498 has 2 MA's), (242, 15522), (282, 15627), (284, 15633), (289, 15651), (300, 15681), (353, 15786), (375, 15846), (384, 15867), (388, 15876), (398, 15900), (410, 15936), (493, 16026), (497, 16041), (499, 16047), (512, 16083), (513, 16086), (516, 16098), (520, 16104), (543, 16152), (550, 16164), (554, 16170), (587, 16230), (592, 16242), (606, 16278), (609, 16290), (645, 16365), (648, 16374), (660, 16392), (662, 16398), (670, 16428), (751, 16533), (752, 16542), (753, 16545), (765, 16581), (792, 16659), (820, 16758), (826, 16779), (843, 16812), (858, 16842), (864, 16872), (867, 16881), (869, 16887), (878, 16902), (879,

16905), (883, 16929), (894, 16959), (899, 16971), (904, 17001), (916, 17043),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for FiringLine_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (226, 20217), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (708, 21291), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (810, 21552), (837, 21621), (879, 21732), (916, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 150

Candidate Starts for First_0028:

(Start: 130 @20202 has 8 MA's), (Start: 150 @20226 has 625 MA's), (226, 20325), (283, 20460), (284, 20463), (319, 20535), (320, 20538), (353, 20592), (355, 20598), (367, 20631), (401, 20709), (445, 20796), (487, 20877), (491, 20880), (614, 21153), (664, 21258), (668, 21273), (708, 21399), (714, 21405), (743, 21453), (764, 21516), (769, 21531), (771, 21537), (781, 21567), (790, 21591), (801, 21630), (805, 21645), (837, 21729), (869, 21810),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for FirstPlacePfu_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Fishburne_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 105

Candidate Starts for Fitzgerald_33:

(97, 30882), (Start: 105 @30900 has 84 MA's), (Start: 129 @30936 has 1 MA's), (226, 31074), (272, 31170), (275, 31179), (296, 31248), (320, 31299), (347, 31344), (355, 31359), (391, 31440), (407, 31485), (410, 31494), (430, 31533), (466, 31584), (480, 31614), (487, 31629), (495, 31653), (504, 31683), (585, 31788), (631, 31905), (641, 31923), (647, 31938), (664, 31968), (667, 31980), (668, 31983), (676, 32010), (815, 32334), (816, 32337), (834, 32385), (852, 32412), (860, 32439), (877, 32493), (883, 32520), (919, 32649),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 141

Candidate Starts for FlagStaff_18:

(Start: 141 @16851 has 4 MA's), (208, 16923), (274, 17058), (298, 17133), (320, 17184), (330, 17199), (347, 17229), (351, 17235), (371, 17289), (419, 17409), (442, 17454), (467, 17505), (470, 17514), (492, 17553), (504, 17592), (516, 17628), (548, 17673), (589, 17718), (643, 17859), (668, 17916), (685, 17964), (696, 17991), (707, 18039), (742, 18081), (764, 18144), (809, 18246), (834, 18312),

(902, 18486), (921, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 162

Candidate Starts for Flapper_45:

(Start: 162 @31189 has 92 MA's), (Start: 177 @31204 has 46 MA's), (Start: 190 @31225 has 1 MA's), (237, 31303), (363, 31570), (378, 31600), (395, 31627), (398, 31636), (403, 31651), (461, 31762), (475, 31792), (477, 31795), (501, 31852), (626, 32077), (648, 32116), (666, 32164), (706, 32290), (733, 32326), (766, 32383), (797, 32437), (821, 32512), (880, 32644), (902, 32719), (904, 32731), (908, 32743), (910, 32752), (923, 32788),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 150

Candidate Starts for Flare16_28:

(Start: 130 @20190 has 8 MA's), (Start: 150 @20214 has 625 MA's), (Start: 244 @20349 has 1 MA's), (283, 20448), (284, 20451), (319, 20523), (320, 20526), (353, 20580), (355, 20586), (381, 20649), (401, 20697), (411, 20730), (445, 20784), (487, 20865), (491, 20868), (500, 20898), (580, 21054), (614, 21141), (668, 21261), (707, 21384), (708, 21387), (714, 21393), (743, 21441), (764, 21504), (769, 21519), (771, 21525), (790, 21579), (801, 21618), (805, 21633), (817, 21666), (877, 21822), (879, 21828), (894, 21882),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 139

Candidate Starts for Flathead_17:

(Start: 139 @14674 has 218 MA's), (207, 14761), (Start: 233 @14806 has 2 MA's), (242, 14830), (282, 14935), (284, 14941), (289, 14959), (300, 14989), (353, 15094), (375, 15154), (384, 15175), (388, 15184), (398, 15208), (493, 15334), (497, 15349), (499, 15355), (512, 15391), (513, 15394), (516, 15406), (520, 15412), (543, 15460), (550, 15472), (554, 15478), (587, 15538), (592, 15550), (606, 15586), (609, 15598), (645, 15673), (648, 15682), (660, 15700), (662, 15706), (670, 15736), (751, 15841), (752, 15850), (753, 15853), (765, 15889), (792, 15967), (820, 16066), (826, 16087), (843, 16120), (858, 16150), (864, 16180), (867, 16189), (869, 16195), (878, 16210), (879, 16213), (883, 16237), (894, 16267), (899, 16279), (904, 16309), (916, 16351),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 105

Candidate Starts for Flatwoods_35:

(Start: 105 @29836 has 84 MA's), (Start: 129 @29872 has 1 MA's), (220, 30001), (226, 30010), (272, 30106), (275, 30115), (296, 30184), (320, 30235), (326, 30244), (347, 30280), (355, 30295), (361, 30313), (391, 30376), (407, 30421), (410, 30430), (476, 30541), (480, 30550), (487, 30565), (490, 30574), (495, 30589), (504, 30619), (631, 30841), (641, 30859), (647, 30874), (667, 30916), (668, 30919), (676, 30946), (723, 31066), (815, 31270), (816, 31273), (834, 31321), (852, 31348), (860, 31375), (877, 31429), (883, 31456),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 150

Candidate Starts for Flaverint_28:

(102, 20683), (Start: 130 @20725 has 8 MA's), (Start: 150 @20749 has 625 MA's), (Start: 193 @20791 has 3 MA's), (245, 20887), (253, 20902), (283, 20983), (284, 20986), (320, 21061), (330, 21076), (353, 21115), (355, 21121), (401, 21232), (403, 21238), (445, 21319), (491, 21403), (541, 21529), (552, 21547), (568, 21574), (631, 21715), (664, 21781), (667, 21793), (668, 21796), (734, 21985), (747, 22012), (751, 22021), (757, 22042), (758, 22045), (764, 22066), (769, 22081), (778, 22105), (801, 22180), (805, 22195), (837, 22279), (877, 22384), (879, 22390), (894, 22444), (925, 22543),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 162

Candidate Starts for Float294_43:

(Start: 162 @30912 has 92 MA's), (237, 31029), (273, 31107), (355, 31269), (358, 31281), (363, 31296), (398, 31362), (403, 31377), (461, 31488), (475, 31518), (477, 31521), (501, 31578), (531, 31650), (596, 31734), (603, 31755), (648, 31842), (666, 31890), (706, 32016), (707, 32019), (733,

32052), (766, 32109), (821, 32238), (837, 32277), (883, 32382), (902, 32445), (904, 32457), (908, 32469), (910, 32478), (923, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 119

Candidate Starts for Floral_20:

(Start: 104 @17542 has 1 MA's), (Start: 119 @17566 has 25 MA's), (201, 17671), (224, 17713), (266, 17788), (320, 17902), (387, 18049), (391, 18055), (407, 18100), (483, 18238), (512, 18313), (667, 18595), (674, 18616), (699, 18691), (744, 18778), (759, 18814), (769, 18847), (771, 18853), (804, 18919), (815, 18949), (877, 19105), (879, 19111), (882, 19129), (914, 19240),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Florean_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Florence1_24 Start: 19446, Stop: 21245, Start Num: 150

Candidate Starts for Florence1_24:

(Start: 150 @19446 has 625 MA's), (230, 19551), (245, 19584), (284, 19683), (320, 19758), (330, 19773), (351, 19809), (381, 19881), (387, 19896), (401, 19929), (403, 19935), (509, 20160), (513, 20166), (562, 20256), (610, 20361), (613, 20370), (631, 20412), (640, 20430), (667, 20490), (668, 20493), (696, 20568), (699, 20586), (701, 20595), (752, 20727), (764, 20763), (837, 20976), (876, 21078), (879, 21087), (910, 21201), (916, 21222), (919, 21231),

Gene: Florence4_25 Start: 19446, Stop: 21245, Start Num: 150

Candidate Starts for Florence4_25:

(Start: 150 @19446 has 625 MA's), (230, 19551), (245, 19584), (284, 19683), (320, 19758), (330, 19773), (351, 19809), (381, 19881), (387, 19896), (401, 19929), (403, 19935), (509, 20160), (513, 20166), (562, 20256), (610, 20361), (613, 20370), (631, 20412), (640, 20430), (667, 20490), (668, 20493), (696, 20568), (699, 20586), (701, 20595), (752, 20727), (764, 20763), (837, 20976), (876, 21078), (879, 21087), (910, 21201), (916, 21222), (919, 21231),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 139

Candidate Starts for Florinda_16:

(Start: 139 @14828 has 218 MA's), (207, 14915), (Start: 233 @14960 has 2 MA's), (242, 14984), (282, 15089), (284, 15095), (289, 15113), (300, 15143), (353, 15248), (375, 15308), (384, 15329), (388, 15338), (398, 15362), (493, 15488), (497, 15503), (499, 15509), (505, 15527), (506, 15530), (512, 15545), (513, 15548), (516, 15560), (520, 15566), (525, 15575), (543, 15614), (550, 15626), (554, 15632), (587, 15692), (606, 15740), (609, 15752), (645, 15827), (648, 15836), (660, 15854), (662, 15860), (670, 15890), (751, 15995), (753, 16007), (765, 16043), (792, 16121), (820, 16220), (826, 16241), (843, 16274), (858, 16304), (864, 16334), (867, 16343), (869, 16349), (878, 16364), (879, 16367), (882, 16388), (883, 16391), (899, 16433), (904, 16463), (916, 16505),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Flux_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162),

(787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: FlyCatcher_31 Start: 22924, Stop: 24726, Start Num: 150

Candidate Starts for FlyCatcher_31:

(Start: 139 @22912 has 218 MA's), (Start: 150 @22924 has 625 MA's), (Start: 199 @22972 has 1 MA's), (209, 22990), (283, 23155), (284, 23158), (320, 23233), (330, 23248), (353, 23287), (403, 23410), (405, 23416), (415, 23449), (445, 23491), (509, 23635), (581, 23761), (613, 23842), (631, 23884), (656, 23932), (667, 23980), (668, 23983), (696, 24058), (699, 24076), (701, 24085), (708, 24109), (714, 24115), (752, 24208), (753, 24211), (764, 24244), (769, 24259), (815, 24400), (869, 24538), (877, 24562), (879, 24568), (908, 24673),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 205

Candidate Starts for Flypotenuse_22:

(Start: 144 @19362 has 125 MA's), (Start: 205 @19446 has 48 MA's), (Start: 244 @19524 has 1 MA's), (279, 19611), (284, 19626), (300, 19674), (317, 19713), (359, 19800), (372, 19833), (388, 19869), (400, 19899), (402, 19905), (437, 19974), (495, 20004), (498, 20016), (499, 20019), (520, 20076), (589, 20208), (591, 20214), (614, 20280), (616, 20286), (625, 20310), (648, 20358), (662, 20382), (664, 20391), (688, 20466), (752, 20517), (758, 20532), (809, 20694), (817, 20721), (826, 20751), (868, 20856), (897, 20934), (904, 20970), (907, 20979), (916, 21012), (923, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 205

Candidate Starts for FoghornLeghorn_23:

(Start: 144 @19250 has 125 MA's), (Start: 205 @19334 has 48 MA's), (Start: 244 @19412 has 1 MA's), (279, 19499), (284, 19514), (300, 19562), (317, 19601), (359, 19688), (372, 19721), (388, 19757), (400, 19787), (402, 19793), (437, 19862), (495, 19892), (498, 19904), (499, 19907), (520, 19964), (589, 20096), (591, 20102), (614, 20168), (616, 20174), (625, 20198), (648, 20246), (662, 20270), (664, 20279), (688, 20354), (752, 20405), (758, 20420), (809, 20582), (817, 20609), (826, 20639), (868, 20744), (897, 20822), (904, 20858), (907, 20867), (916, 20900), (923, 20915),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 150

Candidate Starts for ForGetIt_24:

(Start: 150 @19589 has 625 MA's), (245, 19727), (284, 19826), (320, 19901), (351, 19952), (381, 20024), (387, 20039), (401, 20072), (403, 20078), (455, 20171), (500, 20273), (509, 20303), (513, 20309), (562, 20399), (580, 20429), (609, 20501), (613, 20513), (614, 20516), (631, 20555), (640, 20573), (667, 20633), (668, 20636), (686, 20687), (699, 20729), (752, 20870), (766, 20912), (879, 21230), (916, 21365),

Gene: ForesterFrank_29 Start: 21661, Stop: 23457, Start Num: 130

Candidate Starts for ForesterFrank_29:

(Start: 130 @21661 has 8 MA's), (Start: 150 @21685 has 625 MA's), (266, 21868), (283, 21919), (284, 21922), (319, 21994), (320, 21997), (353, 22051), (355, 22057), (367, 22090), (401, 22168), (403, 22174), (407, 22186), (445, 22255), (487, 22336), (491, 22339), (500, 22369), (580, 22525), (614, 22612), (631, 22651), (668, 22732), (708, 22858), (714, 22864), (761, 22963), (764, 22975), (769, 22990), (771, 22996), (790, 23050), (805, 23104), (817, 23137), (837, 23188), (877, 23293), (879, 23299),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Forge_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683,

18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 152

Candidate Starts for Forsytheast_26:

(Start: 152 @21094 has 219 MA's), (Start: 173 @21115 has 4 MA's), (Start: 199 @21157 has 1 MA's), (223, 21202), (320, 21418), (347, 21463), (353, 21472), (367, 21511), (391, 21562), (393, 21565), (491, 21760), (514, 21829), (613, 22030), (614, 22033), (622, 22054), (667, 22150), (668, 22153), (670, 22159), (696, 22228), (699, 22246), (701, 22255), (714, 22285), (753, 22381), (764, 22414), (769, 22429), (780, 22459), (815, 22570), (837, 22627), (879, 22738),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 160

Candidate Starts for Forza_101:

(Start: 160 @59948 has 22 MA's), (Start: 178 @59963 has 2 MA's), (Start: 180 @59966 has 1 MA's), (197, 59993), (230, 60050), (246, 60086), (264, 60119), (275, 60149), (276, 60152), (300, 60221), (307, 60227), (387, 60392), (404, 60434), (407, 60443), (410, 60452), (413, 60464), (485, 60584), (581, 60737), (609, 60797), (673, 60944), (676, 60965), (680, 60980), (706, 61058), (708, 61064), (777, 61181), (792, 61196), (810, 61253), (821, 61283), (834, 61316), (884, 61436), (923, 61565),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 105

Candidate Starts for Fosterous_33:

(97, 30724), (Start: 105 @30742 has 84 MA's), (Start: 129 @30778 has 1 MA's), (226, 30916), (272, 31012), (275, 31021), (296, 31090), (320, 31141), (347, 31186), (355, 31201), (391, 31282), (407, 31327), (410, 31336), (466, 31426), (480, 31456), (487, 31471), (495, 31495), (504, 31525), (631, 31747), (641, 31765), (647, 31780), (664, 31810), (667, 31822), (668, 31825), (676, 31852), (814, 32173), (815, 32176), (816, 32179), (834, 32227), (852, 32254), (860, 32281), (877, 32335), (882, 32359), (883, 32362), (908, 32452), (925, 32500),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 121

Candidate Starts for FoulBall_56:

(Start: 115 @33466 has 20 MA's), (Start: 121 @33475 has 44 MA's), (191, 33565), (248, 33682), (266, 33718), (275, 33739), (282, 33766), (284, 33772), (294, 33802), (302, 33826), (327, 33877), (388, 34015), (392, 34021), (409, 34072), (410, 34075), (415, 34093), (493, 34144), (499, 34165), (500, 34168), (516, 34216), (520, 34222), (543, 34270), (544, 34276), (550, 34282), (573, 34342), (587, 34366), (589, 34369), (606, 34414), (610, 34429), (613, 34438), (616, 34447), (634, 34492), (648, 34510), (664, 34543), (753, 34681), (761, 34702), (782, 34768), (793, 34798), (807, 34852), (820, 34894), (826, 34915), (836, 34936), (843, 34948), (855, 34969), (869, 35023), (897, 35101), (904, 35137), (910, 35158), (917, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 162

Candidate Starts for Foxboro_42:

(Start: 162 @31331 has 92 MA's), (Start: 190 @31367 has 1 MA's), (201, 31385), (237, 31445), (355, 31685), (358, 31697), (363, 31712), (398, 31778), (403, 31793), (412, 31817), (413, 31820), (461, 31904), (475, 31934), (477, 31937), (501, 31994), (517, 32042), (519, 32045), (531, 32066), (603, 32171), (625, 32216), (648, 32258), (706, 32432), (724, 32462), (733, 32468), (796, 32576), (797, 32579), (821, 32654), (904, 32873), (923, 32930),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 152

Candidate Starts for Francis47_27:

(Start: 152 @21642 has 219 MA's), (Start: 173 @21663 has 4 MA's), (Start: 199 @21705 has 1 MA's), (223, 21750), (320, 21966), (347, 22011), (353, 22020), (391, 22110), (393, 22113), (401, 22137), (491, 22308), (514, 22377), (613, 22578), (614, 22581), (622, 22602), (667, 22698), (668, 22701),

(670, 22707), (696, 22776), (699, 22794), (701, 22803), (714, 22833), (753, 22929), (764, 22962), (769, 22977), (815, 23118), (837, 23175), (879, 23286),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 174

Candidate Starts for Francois_22:

(Start: 106 @17292 has 2 MA's), (Start: 174 @17367 has 18 MA's), (230, 17460), (237, 17475), (274, 17556), (288, 17607), (295, 17628), (348, 17739), (367, 17784), (375, 17802), (381, 17814), (465, 17985), (468, 17994), (470, 18000), (504, 18078), (510, 18096), (535, 18147), (568, 18171), (590, 18201), (613, 18270), (628, 18309), (681, 18441), (701, 18501), (722, 18555), (764, 18642), (814, 18756), (817, 18765), (864, 18870), (895, 18957), (929, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 139

Candidate Starts for Frankie_17:

(Start: 139 @14912 has 218 MA's), (207, 14999), (Start: 233 @15044 has 2 MA's), (242, 15068), (248, 15089), (282, 15173), (284, 15179), (289, 15197), (300, 15227), (353, 15332), (375, 15392), (379, 15401), (382, 15410), (384, 15413), (388, 15422), (398, 15446), (425, 15521), (493, 15572), (497, 15587), (499, 15593), (512, 15629), (516, 15644), (520, 15650), (543, 15698), (550, 15710), (554, 15716), (587, 15776), (592, 15788), (606, 15824), (609, 15836), (645, 15911), (648, 15920), (660, 15938), (662, 15944), (670, 15974), (751, 16079), (753, 16091), (765, 16127), (792, 16205), (826, 16325), (843, 16358), (858, 16388), (864, 16418), (867, 16427), (869, 16433), (878, 16448), (879, 16451), (883, 16475), (894, 16505), (899, 16517), (904, 16547), (916, 16589),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 150

Candidate Starts for Fred313_27:

(Start: 150 @19652 has 625 MA's), (Start: 199 @19712 has 1 MA's), (237, 19781), (279, 19883), (283, 19895), (284, 19898), (320, 19973), (330, 19988), (332, 19991), (353, 20027), (407, 20162), (445, 20231), (500, 20345), (562, 20471), (613, 20585), (622, 20609), (627, 20621), (631, 20627), (668, 20708), (696, 20783), (699, 20801), (701, 20810), (708, 20834), (714, 20840), (719, 20855), (740, 20897), (751, 20924), (752, 20933), (753, 20936), (761, 20957), (764, 20969), (837, 21182), (877, 21287), (879, 21293), (916, 21428),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 139

Candidate Starts for FreddyB_16:

(Start: 139 @14816 has 218 MA's), (207, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (282, 15077), (284, 15083), (289, 15101), (300, 15131), (353, 15236), (375, 15296), (384, 15317), (388, 15326), (398, 15350), (493, 15476), (497, 15491), (499, 15497), (512, 15533), (513, 15536), (516, 15548), (520, 15554), (543, 15602), (550, 15614), (554, 15620), (587, 15680), (592, 15692), (606, 15728), (609, 15740), (645, 15815), (648, 15824), (660, 15842), (662, 15848), (670, 15878), (751, 15983), (753, 15995), (765, 16031), (792, 16109), (826, 16229), (843, 16262), (858, 16292), (864, 16322), (867, 16331), (869, 16337), (878, 16352), (879, 16355), (883, 16379), (894, 16409), (899, 16421), (904, 16451), (916, 16493),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 150

Candidate Starts for Fribs8_19:

(Start: 150 @16521 has 625 MA's), (Start: 160 @16533 has 22 MA's), (230, 16635), (297, 16806), (298, 16809), (320, 16854), (347, 16899), (367, 16947), (387, 16992), (430, 17094), (458, 17127), (462, 17139), (465, 17142), (490, 17199), (500, 17232), (505, 17247), (515, 17274), (533, 17313), (582, 17355), (587, 17364), (606, 17409), (613, 17433), (627, 17472), (667, 17553), (673, 17571), (676, 17580), (678, 17589), (699, 17646), (701, 17655), (769, 17787), (771, 17793), (786, 17814), (814, 17886), (815, 17889), (858, 17985), (864, 18012), (867, 18021), (868, 18024), (879, 18054), (898, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 150

Candidate Starts for Frickyeah_20:

(120, 16389), (Start: 150 @16428 has 625 MA's), (Start: 160 @16440 has 22 MA's), (213, 16518), (226, 16539), (249, 16587), (255, 16596), (273, 16638), (283, 16674), (305, 16731), (315, 16752), (330, 16779), (345, 16806), (405, 16947), (430, 17004), (455, 17031), (458, 17037), (480, 17085), (492, 17115), (503, 17151), (513, 17178), (514, 17181), (540, 17232), (581, 17259), (582, 17262), (596, 17289), (606, 17316), (633, 17388), (659, 17427), (677, 17481), (695, 17523), (720, 17598), (757, 17661), (765, 17688), (771, 17706), (810, 17790), (814, 17799), (815, 17802), (817, 17808), (822, 17823), (835, 17853), (838, 17859), (852, 17880), (853, 17883), (868, 17937), (879, 17967), (880, 17976), (896, 18027), (904, 18060), (908, 18072), (913, 18090),

Gene: Frizzle_16 Start: 14350, Stop: 15954, Start Num: 177

Candidate Starts for Frizzle_16:

(55, 14044), (149, 14323), (Start: 177 @14350 has 46 MA's), (298, 14605), (299, 14608), (300, 14611), (316, 14635), (319, 14641), (345, 14683), (447, 14905), (462, 14929), (465, 14932), (466, 14935), (495, 14995), (565, 15106), (567, 15109), (603, 15166), (614, 15205), (617, 15211), (676, 15346), (695, 15391), (701, 15421), (817, 15652), (829, 15685), (858, 15745), (868, 15769), (918, 15937), (922, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 165

Candidate Starts for FroggyToad_17:

(79, 14569), (Start: 165 @14704 has 39 MA's), (194, 14746), (239, 14821), (271, 14893), (272, 14896), (299, 14971), (330, 15025), (355, 15067), (363, 15094), (368, 15106), (383, 15136), (403, 15184), (404, 15187), (419, 15232), (495, 15373), (524, 15454), (568, 15514), (579, 15526), (603, 15562), (631, 15643), (648, 15679), (663, 15712), (668, 15736), (696, 15808), (700, 15832), (810, 16066), (816, 16081), (831, 16123), (867, 16216), (868, 16219), (882, 16267), (891, 16297), (902, 16333),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 152

Candidate Starts for Froghopper_28:

(Start: 152 @21057 has 219 MA's), (Start: 173 @21078 has 4 MA's), (Start: 199 @21120 has 1 MA's), (223, 21165), (320, 21381), (347, 21426), (353, 21435), (367, 21474), (391, 21525), (393, 21528), (430, 21621), (491, 21723), (514, 21792), (613, 21993), (614, 21996), (622, 22017), (667, 22113), (668, 22116), (670, 22122), (696, 22191), (699, 22209), (701, 22218), (714, 22248), (753, 22344), (764, 22377), (769, 22392), (815, 22533), (837, 22590), (879, 22701),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 177

Candidate Starts for Frokostdame_19:

(Start: 141 @16580 has 4 MA's), (Start: 177 @16616 has 46 MA's), (Start: 185 @16625 has 2 MA's), (237, 16721), (273, 16799), (316, 16898), (338, 16937), (377, 17018), (400, 17072), (405, 17087), (454, 17171), (495, 17258), (504, 17288), (617, 17471), (627, 17495), (655, 17546), (687, 17639), (695, 17651), (705, 17696), (713, 17711), (723, 17738), (765, 17843), (766, 17846), (810, 17945), (817, 17963), (837, 18014), (866, 18074), (868, 18080), (894, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Frosty24_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 139

Candidate Starts for Fruitloop_16:

(Start: 139 @14838 has 218 MA's), (207, 14925), (Start: 233 @14970 has 2 MA's), (242, 14994), (282, 15099), (284, 15105), (289, 15123), (300, 15153), (353, 15258), (375, 15318), (384, 15339), (388, 15348), (396, 15366), (398, 15372), (493, 15498), (497, 15513), (499, 15519), (512, 15555), (513, 15558), (516, 15570), (520, 15576), (543, 15624), (550, 15636), (554, 15642), (587, 15702), (592, 15714), (606, 15750), (609, 15762), (645, 15837), (648, 15846), (660, 15864), (662, 15870), (670, 15900), (751, 16005), (752, 16014), (753, 16017), (765, 16053), (792, 16131), (820, 16230), (826, 16251), (843, 16284), (858, 16314), (864, 16344), (867, 16353), (869, 16359), (878, 16374), (879, 16377), (883, 16401), (894, 16431), (899, 16443), (904, 16473), (916, 16515),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 142

Candidate Starts for Fryberger_53:

(62, 27744), (63, 27753), (64, 27759), (93, 27861), (109, 27891), (Start: 142 @27936 has 6 MA's), (241, 28077), (300, 28236), (330, 28290), (401, 28446), (457, 28545), (480, 28593), (500, 28650), (505, 28665), (580, 28755), (638, 28893), (667, 28956), (699, 29052), (734, 29103), (736, 29106), (742, 29118), (769, 29193), (775, 29208), (814, 29292), (852, 29373), (914, 29589), (919, 29607),

Gene: FuegoCuervo_37 Start: 29287, Stop: 31050, Start Num: 105

Candidate Starts for FuegoCuervo_37:

(97, 29269), (Start: 105 @29287 has 84 MA's), (Start: 129 @29323 has 1 MA's), (226, 29461), (272, 29557), (275, 29566), (296, 29635), (320, 29686), (347, 29731), (355, 29746), (391, 29827), (407, 29872), (410, 29881), (466, 29971), (480, 30001), (487, 30016), (495, 30040), (504, 30070), (585, 30175), (631, 30292), (641, 30310), (647, 30325), (664, 30355), (667, 30367), (668, 30370), (676, 30397), (814, 30718), (815, 30721), (816, 30724), (834, 30772), (852, 30799), (860, 30826), (877, 30880), (883, 30907), (919, 31036),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 105

Candidate Starts for Fugax_33:

(86, 26533), (Start: 105 @26575 has 84 MA's), (Start: 129 @26611 has 1 MA's), (Start: 155 @26644 has 12 MA's), (274, 26854), (275, 26857), (283, 26887), (310, 26953), (320, 26977), (326, 26986), (345, 27019), (410, 27172), (430, 27211), (466, 27262), (470, 27274), (480, 27292), (486, 27304), (490, 27316), (495, 27331), (504, 27361), (505, 27364), (513, 27385), (581, 27457), (603, 27505), (647, 27616), (665, 27649), (677, 27691), (701, 27763), (740, 27829), (744, 27841), (815, 28012), (816, 28015), (834, 28063), (852, 28090), (860, 28117), (877, 28171), (908, 28288), (914, 28309), (925, 28336),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Fulbright_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (609, 15910), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Funston_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 162

Candidate Starts for Fury_50:

(Start: 162 @30682 has 92 MA's), (Start: 177 @30697 has 46 MA's), (201, 30736), (237, 30796), (275, 30880), (363, 31063), (398, 31129), (403, 31144), (416, 31180), (461, 31255), (475, 31285), (477, 31288), (484, 31306), (501, 31345), (511, 31375), (630, 31579), (648, 31609), (666, 31657), (667, 31660), (706, 31783), (733, 31819), (821, 32005), (886, 32158), (902, 32212), (904, 32224), (908, 32236), (923, 32281),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 152

Candidate Starts for Fushigi_28:

(Start: 152 @21514 has 219 MA's), (Start: 173 @21535 has 4 MA's), (Start: 199 @21577 has 1 MA's), (223, 21622), (320, 21838), (347, 21883), (353, 21892), (367, 21931), (391, 21982), (393, 21985), (403, 22015), (491, 22180), (514, 22249), (613, 22450), (614, 22453), (622, 22474), (667, 22570), (668, 22573), (670, 22579), (696, 22648), (699, 22666), (701, 22675), (714, 22705), (753, 22801), (764, 22834), (769, 22849), (815, 22990), (837, 23047), (879, 23158),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 128

Candidate Starts for GAL1_20:

(120, 16976), (Start: 128 @16985 has 8 MA's), (194, 17072), (213, 17108), (243, 17159), (252, 17183), (255, 17189), (269, 17249), (273, 17264), (300, 17339), (305, 17345), (340, 17414), (355, 17444), (363, 17471), (367, 17477), (380, 17507), (387, 17525), (399, 17552), (402, 17561), (405, 17570), (407, 17576), (409, 17582), (419, 17612), (456, 17654), (466, 17675), (468, 17681), (474, 17693), (501, 17759), (509, 17786), (512, 17789), (603, 17915), (622, 17975), (640, 18011), (667, 18071), (668, 18074), (674, 18092), (676, 18101), (699, 18167), (701, 18176), (759, 18290), (769, 18323), (775, 18338), (785, 18347), (804, 18395), (815, 18425), (837, 18482), (840, 18485), (844, 18494), (861, 18536), (877, 18581), (879, 18587), (884, 18611), (886, 18617), (893, 18638), (907, 18692), (914, 18716), (919, 18734), (925, 18743),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 148

Candidate Starts for GEazy_19:

(76, 16527), (120, 16611), (Start: 148 @16647 has 18 MA's), (230, 16767), (268, 16851), (279, 16884), (289, 16917), (330, 17001), (415, 17202), (443, 17244), (466, 17280), (480, 17310), (490, 17334), (503, 17376), (513, 17403), (514, 17406), (565, 17460), (568, 17466), (609, 17553), (758, 17913), (765, 17937), (771, 17955), (815, 18051), (821, 18069), (881, 18228), (905, 18315), (913, 18342),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 179

Candidate Starts for GMA1_19:

(73, 15795), (Start: 179 @15927 has 1 MA's), (230, 16008), (254, 16050), (279, 16116), (282, 16125), (283, 16128), (289, 16131), (312, 16179), (320, 16197), (323, 16200), (403, 16365), (414, 16401), (419, 16413), (424, 16425), (524, 16530), (531, 16542), (549, 16569), (627, 16719), (659, 16788), (667, 16824), (704, 16938), (706, 16944), (731, 16974), (737, 16983), (761, 17019), (764, 17031), (783, 17067), (794, 17079), (831, 17190), (837, 17202), (868, 17277), (879, 17310), (880, 17322), (893, 17364), (897, 17373), (912, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 163

Candidate Starts for GMA2_30:

(Start: 163 @31614 has 16 MA's), (264, 31785), (279, 31833), (284, 31848), (307, 31893), (391, 32064), (404, 32100), (407, 32109), (409, 32115), (410, 32118), (413, 32130), (485, 32250), (532, 32367), (585, 32412), (673, 32613), (676, 32634), (680, 32649), (701, 32709), (754, 32787), (762, 32808), (764, 32817), (792, 32865), (903, 33171), (916, 33219),

Gene: GMonster_26 Start: 20476, Stop: 22278, Start Num: 152

Candidate Starts for GMonster_26:

(Start: 152 @20476 has 219 MA's), (Start: 173 @20497 has 4 MA's), (Start: 199 @20539 has 1 MA's), (223, 20584), (320, 20800), (347, 20845), (353, 20854), (391, 20944), (393, 20947), (401, 20971), (430, 21040), (491, 21142), (514, 21211), (609, 21400), (613, 21412), (614, 21415), (622, 21436), (667, 21532), (668, 21535), (670, 21541), (696, 21610), (699, 21628), (701, 21637), (714, 21667), (753, 21763), (764, 21796), (769, 21811), (815, 21952), (837, 22009), (879, 22120),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 162

Candidate Starts for GRU1_31:

(Start: 162 @23089 has 92 MA's), (Start: 177 @23104 has 46 MA's), (Start: 190 @23125 has 1 MA's), (237, 23203), (295, 23341), (363, 23470), (378, 23500), (395, 23527), (398, 23536), (403, 23551), (461, 23662), (475, 23692), (477, 23695), (501, 23752), (626, 23977), (648, 24016), (666, 24064), (706, 24190), (733, 24226), (766, 24283), (797, 24337), (821, 24412), (880, 24544), (902, 24619), (904, 24631), (908, 24643), (910, 24652), (923, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 222

Candidate Starts for GTE2_16:

(Start: 140 @15068 has 9 MA's), (Start: 150 @15071 has 625 MA's), (222, 15173), (230, 15185), (274, 15281), (300, 15365), (351, 15455), (375, 15515), (387, 15542), (400, 15572), (401, 15575), (409, 15599), (419, 15629), (430, 15644), (458, 15677), (462, 15689), (465, 15692), (474, 15713), (500, 15782), (504, 15794), (520, 15836), (606, 15959), (668, 16109), (673, 16124), (678, 16142), (699, 16199), (769, 16340), (771, 16346), (777, 16358), (786, 16367), (814, 16439), (815, 16442), (817, 16448), (821, 16460), (861, 16553), (864, 16565), (867, 16574), (879, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 162

Candidate Starts for GTE5_32:

(Start: 162 @24044 has 92 MA's), (Start: 177 @24059 has 46 MA's), (Start: 190 @24080 has 1 MA's), (237, 24158), (363, 24425), (378, 24455), (395, 24482), (398, 24491), (403, 24506), (461, 24617), (475, 24647), (477, 24650), (501, 24707), (603, 24884), (626, 24932), (648, 24971), (655, 24980), (666, 25019), (706, 25145), (733, 25181), (766, 25238), (797, 25292), (821, 25367), (880, 25499), (902, 25574), (904, 25586), (908, 25598), (910, 25607), (923, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 175

Candidate Starts for GTE6_32:

(Start: 175 @28048 has 10 MA's), (189, 28069), (226, 28132), (279, 28255), (283, 28267), (310, 28324), (355, 28402), (405, 28525), (468, 28639), (485, 28669), (500, 28711), (525, 28774), (581, 28822), (585, 28831), (609, 28882), (627, 28930), (695, 29095), (701, 29125), (762, 29224), (764, 29233), (765, 29236), (792, 29281), (808, 29338), (810, 29344), (812, 29350), (830, 29398), (834, 29407), (837, 29413), (840, 29416), (864, 29467), (880, 29512), (900, 29581), (913, 29629), (916, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 162

Candidate Starts for GTE8_30:

(Start: 162 @24084 has 92 MA's), (Start: 190 @24120 has 1 MA's), (237, 24198), (355, 24438), (358, 24450), (363, 24465), (398, 24531), (403, 24546), (412, 24570), (461, 24657), (475, 24687), (477, 24690), (497, 24735), (501, 24747), (517, 24795), (519, 24798), (531, 24819), (625, 24969), (648, 25011), (706, 25185), (733, 25221), (796, 25329), (797, 25332), (821, 25407), (904, 25626), (923, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for GUmbie_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (371, 15279), (375, 15285), (379,

15294), (384, 15306), (388, 15315), (398, 15339), (410, 15375), (411, 15381), (415, 15393), (425, 15414), (427, 15417), (441, 15426), (467, 15441), (474, 15447), (493, 15465), (497, 15480), (499, 15486), (505, 15504), (506, 15507), (512, 15522), (516, 15537), (520, 15543), (534, 15573), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (616, 15750), (645, 15804), (648, 15813), (662, 15837), (670, 15867), (751, 15972), (753, 15984), (765, 16020), (779, 16059), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (882, 16365), (883, 16368), (899, 16410), (904, 16440), (916, 16482), (917, 16488),

Gene: Gachnar_27 Start: 21116, Stop: 22918, Start Num: 152

Candidate Starts for Gachnar_27:

(Start: 152 @21116 has 219 MA's), (Start: 173 @21137 has 4 MA's), (Start: 199 @21179 has 1 MA's), (223, 21224), (320, 21440), (347, 21485), (353, 21494), (367, 21533), (391, 21584), (393, 21587), (491, 21782), (514, 21851), (613, 22052), (614, 22055), (622, 22076), (667, 22172), (668, 22175), (670, 22181), (696, 22250), (699, 22268), (701, 22277), (714, 22307), (753, 22403), (764, 22436), (769, 22451), (815, 22592), (837, 22649), (879, 22760),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 150

Candidate Starts for Gadost_27:

(Start: 130 @19807 has 8 MA's), (Start: 150 @19831 has 625 MA's), (Start: 199 @19888 has 1 MA's), (230, 19942), (237, 19957), (245, 19975), (279, 20059), (283, 20071), (284, 20074), (320, 20149), (330, 20164), (353, 20203), (401, 20320), (445, 20407), (487, 20488), (505, 20536), (514, 20560), (562, 20647), (587, 20692), (614, 20764), (622, 20785), (631, 20803), (668, 20884), (699, 20977), (701, 20986), (708, 21010), (714, 21016), (722, 21040), (753, 21094), (761, 21115), (778, 21166), (787, 21190), (802, 21244), (837, 21340), (877, 21445), (880, 21460), (911, 21568), (916, 21586),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 105

Candidate Starts for Gaea_34:

(Start: 105 @29484 has 84 MA's), (Start: 129 @29520 has 1 MA's), (220, 29649), (226, 29658), (272, 29754), (275, 29763), (296, 29832), (320, 29883), (326, 29892), (347, 29928), (355, 29943), (361, 29961), (391, 30024), (407, 30069), (410, 30078), (480, 30198), (487, 30213), (490, 30222), (495, 30237), (504, 30267), (631, 30489), (641, 30507), (647, 30522), (667, 30564), (668, 30567), (676, 30594), (723, 30714), (766, 30807), (815, 30918), (816, 30921), (834, 30969), (852, 30996), (860, 31023), (877, 31077), (883, 31104),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 205

Candidate Starts for Gage_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 152

Candidate Starts for GageAP_29:

(Start: 152 @21828 has 219 MA's), (Start: 173 @21849 has 4 MA's), (Start: 199 @21891 has 1 MA's), (223, 21936), (320, 22152), (347, 22197), (353, 22206), (367, 22245), (391, 22296), (393, 22299), (491, 22494), (514, 22563), (613, 22764), (614, 22767), (622, 22788), (667, 22884), (668, 22887), (670, 22893), (696, 22962), (699, 22980), (701, 22989), (714, 23019), (753, 23115), (764, 23148), (769, 23163), (815, 23304), (837, 23361), (879, 23472), (925, 23625),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 106

Candidate Starts for Gaia_16:

(Start: 106 @15059 has 2 MA's), (113, 15068), (Start: 128 @15089 has 8 MA's), (187, 15158), (198, 15176), (208, 15194), (237, 15248), (254, 15284), (261, 15299), (263, 15302), (283, 15362), (320, 15455), (347, 15500), (351, 15506), (354, 15512), (361, 15533), (365, 15545), (387, 15593), (403, 15632), (404, 15635), (405, 15638), (416, 15674), (424, 15692), (438, 15719), (444, 15728), (467, 15767), (476, 15785), (497, 15833), (511, 15875), (536, 15929), (540, 15935), (542, 15941), (559, 15971), (570, 16010), (574, 16019), (587, 16043), (590, 16049), (622, 16139), (627, 16154), (660, 16220), (668, 16250), (685, 16298), (695, 16322), (696, 16325), (701, 16352), (724, 16412), (735, 16433), (745, 16454), (762, 16502), (765, 16514), (794, 16559), (810, 16619), (852, 16715), (854, 16721), (864, 16745), (868, 16757), (876, 16766), (880, 16784), (897, 16835), (908, 16883), (910, 16892), (913, 16901), (915, 16910), (916, 16913), (929, 16940),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 150

Candidate Starts for Gail_28:

(Start: 148 @19402 has 18 MA's), (Start: 150 @19405 has 625 MA's), (Start: 244 @19540 has 1 MA's), (275, 19609), (284, 19642), (319, 19714), (320, 19717), (332, 19735), (355, 19777), (401, 19888), (407, 19906), (415, 19933), (419, 19942), (445, 19975), (483, 20050), (487, 20056), (491, 20059), (509, 20119), (563, 20221), (581, 20248), (608, 20308), (614, 20332), (631, 20371), (668, 20452), (740, 20650), (769, 20737), (771, 20743), (801, 20836), (877, 21040), (879, 21046),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 139

Candidate Starts for Galactic_16:

(Start: 139 @14803 has 218 MA's), (207, 14890), (Start: 233 @14935 has 2 MA's), (242, 14959), (282, 15064), (284, 15070), (289, 15088), (300, 15118), (353, 15223), (375, 15283), (384, 15304), (388, 15313), (398, 15337), (493, 15463), (497, 15478), (499, 15484), (512, 15520), (513, 15523), (516, 15535), (520, 15541), (543, 15589), (550, 15601), (554, 15607), (587, 15667), (592, 15679), (606, 15715), (609, 15727), (645, 15802), (648, 15811), (660, 15829), (662, 15835), (670, 15865), (751, 15970), (752, 15979), (753, 15982), (765, 16018), (792, 16096), (820, 16195), (826, 16216), (843, 16249), (858, 16279), (864, 16309), (867, 16318), (869, 16324), (878, 16339), (879, 16342), (883, 16366), (894, 16396), (899, 16408), (904, 16438), (916, 16480),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 105

Candidate Starts for Galadriel_35:

(97, 31213), (Start: 105 @31231 has 84 MA's), (Start: 129 @31267 has 1 MA's), (226, 31405), (272, 31501), (275, 31510), (296, 31579), (320, 31630), (347, 31675), (355, 31690), (391, 31771), (407, 31816), (410, 31825), (466, 31915), (480, 31945), (487, 31960), (495, 31984), (504, 32014), (585, 32119), (631, 32236), (641, 32254), (647, 32269), (664, 32299), (667, 32311), (668, 32314), (676, 32341), (815, 32665), (816, 32668), (834, 32716), (852, 32743), (860, 32770), (877, 32824), (882, 32848), (883, 32851), (908, 32941), (925, 32989),

Gene: GaloreK_19 Start: 16381, Stop: 18117, Start Num: 134

Candidate Starts for GaloreK_19:

(Start: 116 @16357 has 3 MA's), (Start: 134 @16381 has 48 MA's), (184, 16441), (195, 16462), (197, 16465), (259, 16585), (274, 16624), (283, 16657), (292, 16681), (342, 16801), (359, 16840), (360, 16846), (396, 16930), (398, 16936), (402, 16948), (410, 16972), (420, 16999), (437, 17017), (480, 17056), (493, 17062), (500, 17086), (520, 17140), (526, 17152), (531, 17161), (560, 17221), (597, 17299), (609, 17338), (621, 17371), (648, 17437), (659, 17452), (662, 17461), (668, 17485), (676, 17515), (680, 17527), (763, 17629), (767, 17641), (768, 17644), (770, 17650), (774, 17659), (807, 17767), (836, 17851), (874, 17950), (907, 18058), (923, 18106),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 177

Candidate Starts for Gambino_21:

(Start: 141 @16926 has 4 MA's), (Start: 177 @16962 has 46 MA's), (Start: 185 @16971 has 2 MA's), (237, 17067), (273, 17145), (299, 17217), (316, 17244), (338, 17283), (377, 17364), (400, 17418), (495, 17604), (504, 17634), (580, 17733), (617, 17817), (627, 17841), (655, 17892), (687, 17985), (695, 17997), (705, 18042), (713, 18057), (765, 18189), (766, 18192), (810, 18291), (817, 18309), (837, 18360), (866, 18420), (868, 18426), (894, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 117

Candidate Starts for Gancho_21:

(60, 16953), (Start: 117 @17127 has 24 MA's), (123, 17136), (Start: 190 @17217 has 1 MA's), (198, 17229), (210, 17253), (217, 17265), (230, 17286), (237, 17301), (273, 17379), (294, 17451), (334, 17541), (373, 17625), (378, 17634), (387, 17655), (411, 17721), (423, 17748), (443, 17781), (459, 17799), (467, 17817), (468, 17820), (476, 17835), (478, 17838), (504, 17904), (505, 17907), (535, 17973), (576, 17997), (610, 18084), (631, 18138), (659, 18183), (661, 18189), (668, 18216), (683, 18261), (716, 18354), (719, 18363), (764, 18441), (824, 18585), (831, 18603), (837, 18615), (848, 18630), (849, 18633), (858, 18654), (882, 18714), (893, 18747), (895, 18753), (897, 18756), (913, 18822), (929, 18861),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 152

Candidate Starts for Gandalf20_28:

(Start: 152 @21933 has 219 MA's), (Start: 173 @21954 has 4 MA's), (Start: 199 @21996 has 1 MA's), (223, 22041), (320, 22257), (347, 22302), (353, 22311), (367, 22350), (391, 22401), (393, 22404), (491, 22599), (514, 22668), (613, 22869), (614, 22872), (622, 22893), (667, 22989), (668, 22992), (670, 22998), (696, 23067), (699, 23085), (701, 23094), (714, 23124), (753, 23220), (764, 23253), (769, 23268), (815, 23409), (837, 23466), (879, 23577),

Gene: Gandolph_16 Start: 14822, Stop: 16531, Start Num: 139

Candidate Starts for Gandolph_16:

(Start: 139 @14822 has 218 MA's), (207, 14909), (Start: 233 @14954 has 2 MA's), (242, 14978), (282, 15083), (284, 15089), (289, 15107), (300, 15137), (353, 15242), (371, 15296), (375, 15302), (379, 15311), (384, 15323), (388, 15332), (398, 15356), (410, 15392), (411, 15398), (415, 15410), (425, 15431), (427, 15434), (441, 15443), (467, 15458), (474, 15464), (493, 15482), (497, 15497), (499, 15503), (505, 15521), (506, 15524), (512, 15539), (513, 15542), (516, 15554), (520, 15560), (543, 15608), (550, 15620), (554, 15626), (587, 15686), (592, 15698), (606, 15734), (609, 15746), (616, 15767), (645, 15821), (648, 15830), (660, 15848), (662, 15854), (670, 15884), (751, 15989), (752, 15998), (753, 16001), (765, 16037), (779, 16076), (792, 16115), (820, 16214), (826, 16235), (843, 16268), (858, 16298), (864, 16328), (867, 16337), (869, 16343), (878, 16358), (879, 16361), (883, 16385), (894, 16415), (899, 16427), (904, 16457), (916, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 118

Candidate Starts for Ganymede_24:

(Start: 118 @17168 has 149 MA's), (Start: 144 @17198 has 125 MA's), (245, 17357), (261, 17390), (274, 17420), (283, 17453), (287, 17465), (325, 17555), (351, 17597), (381, 17669), (385, 17678), (401, 17717), (415, 17762), (424, 17783), (426, 17786), (459, 17840), (467, 17858), (487, 17900), (492, 17906), (500, 17933), (589, 18071), (598, 18089), (609, 18131), (615, 18149), (628, 18179), (643, 18206), (685, 18311), (753, 18470), (765, 18506), (786, 18545), (815, 18620), (834, 18671), (907, 18866), (917, 18905), (919, 18908), (929, 18926),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 150

Candidate Starts for Garak_32:

(102, 19911), (Start: 130 @19953 has 8 MA's), (Start: 150 @19977 has 625 MA's), (284, 20214), (319, 20286), (320, 20289), (330, 20304), (353, 20343), (355, 20349), (401, 20460), (403, 20466), (415, 20505), (445, 20547), (467, 20586), (487, 20628), (491, 20631), (562, 20787), (624, 20928), (631, 20943), (714, 21156), (761, 21255), (769, 21282), (788, 21333), (790, 21342), (801, 21381), (802,

21384), (877, 21585), (879, 21591), (916, 21726),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 144

Candidate Starts for Gator_22:

(Start: 144 @19361 has 125 MA's), (Start: 205 @19445 has 48 MA's), (Start: 244 @19523 has 1 MA's), (279, 19610), (284, 19625), (300, 19673), (317, 19712), (359, 19799), (372, 19832), (388, 19868), (400, 19898), (402, 19904), (437, 19973), (495, 20003), (498, 20015), (499, 20018), (520, 20075), (589, 20207), (591, 20213), (614, 20279), (616, 20285), (625, 20309), (648, 20357), (662, 20381), (664, 20390), (688, 20465), (752, 20516), (758, 20531), (809, 20693), (817, 20720), (826, 20750), (868, 20855), (897, 20933), (904, 20969), (907, 20978), (916, 21011), (923, 21026),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 150

Candidate Starts for GaugeLDP_30:

(Start: 130 @21442 has 8 MA's), (Start: 150 @21466 has 625 MA's), (Start: 244 @21601 has 1 MA's), (283, 21700), (284, 21703), (320, 21778), (332, 21796), (353, 21832), (355, 21838), (375, 21889), (401, 21949), (415, 21994), (445, 22036), (478, 22096), (487, 22117), (491, 22120), (562, 22276), (613, 22390), (614, 22393), (668, 22513), (708, 22639), (714, 22645), (758, 22735), (761, 22744), (769, 22771), (778, 22795), (801, 22870), (802, 22873), (805, 22885), (837, 22969), (869, 23050), (877, 23074), (879, 23080), (894, 23134), (916, 23215),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for Gavriela_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 160

Candidate Starts for Geeche_47:

(Start: 160 @29431 has 22 MA's), (202, 29491), (216, 29524), (234, 29557), (282, 29683), (292, 29716), (294, 29725), (354, 29854), (370, 29902), (520, 30115), (523, 30121), (534, 30145), (601, 30274), (606, 30295), (616, 30328), (688, 30526), (789, 30679), (817, 30778), (821, 30790), (824, 30799), (860, 30883), (905, 31030), (915, 31066), (919, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for GemG_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 144

Candidate Starts for Gemini_27:

(Start: 144 @20253 has 125 MA's), (Start: 205 @20337 has 48 MA's), (Start: 244 @20415 has 1 MA's), (279, 20502), (284, 20517), (300, 20565), (317, 20604), (359, 20691), (372, 20724), (388, 20760), (400, 20790), (402, 20796), (437, 20865), (495, 20895), (498, 20907), (499, 20910), (520, 20967), (589, 21099), (591, 21105), (614, 21171), (616, 21177), (625, 21201), (648, 21249), (662, 21273), (664, 21282), (688, 21357), (752, 21408), (758, 21423), (809, 21585), (817, 21612), (826, 21642), (868, 21747), (897, 21825), (904, 21861), (907, 21870), (916, 21903), (923, 21918),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 150

Candidate Starts for Gemma_29:

(Start: 150 @20456 has 625 MA's), (Start: 199 @20513 has 1 MA's), (208, 20528), (237, 20582), (Start: 244 @20597 has 1 MA's), (279, 20684), (283, 20696), (284, 20699), (320, 20774), (330, 20789), (445, 21032), (514, 21185), (562, 21272), (608, 21365), (613, 21386), (622, 21410), (627, 21422), (631, 21428), (668, 21509), (696, 21584), (699, 21602), (701, 21611), (708, 21635), (714, 21641), (719, 21656), (727, 21680), (752, 21734), (753, 21737), (761, 21758), (877, 22088), (879, 22094), (916, 22229),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 121

Candidate Starts for Gengar_21:

(Start: 121 @17520 has 44 MA's), (Start: 127 @17526 has 1 MA's), (Start: 147 @17550 has 1 MA's), (Start: 181 @17583 has 32 MA's), (208, 17631), (237, 17685), (261, 17736), (283, 17799), (330, 17907), (381, 18015), (424, 18129), (426, 18132), (449, 18171), (459, 18186), (465, 18198), (467, 18204), (487, 18246), (492, 18252), (504, 18291), (513, 18315), (589, 18417), (610, 18480), (627, 18525), (685, 18660), (719, 18759), (757, 18837), (764, 18861), (771, 18882), (815, 18978), (817, 18984), (882, 19137), (912, 19242), (913, 19245), (917, 19263),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 105

Candidate Starts for Geodirt_32:

(97, 30199), (Start: 105 @30217 has 84 MA's), (Start: 129 @30253 has 1 MA's), (226, 30391), (272, 30487), (275, 30496), (296, 30565), (320, 30616), (347, 30661), (355, 30676), (391, 30757), (407, 30802), (410, 30811), (466, 30901), (480, 30931), (487, 30946), (495, 30970), (504, 31000), (585, 31105), (631, 31222), (641, 31240), (647, 31255), (664, 31285), (667, 31297), (668, 31300), (676, 31327), (815, 31651), (816, 31654), (834, 31702), (852, 31729), (860, 31756), (877, 31810), (883, 31837), (925, 31975),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 150

Candidate Starts for George_23:

(Start: 150 @19658 has 625 MA's), (230, 19763), (245, 19796), (284, 19895), (320, 19970), (330, 19985), (351, 20021), (381, 20093), (387, 20108), (403, 20147), (411, 20174), (419, 20195), (453, 20234), (500, 20342), (509, 20372), (513, 20378), (587, 20513), (609, 20570), (610, 20573), (613, 20582), (631, 20624), (640, 20642), (667, 20702), (668, 20705), (699, 20798), (701, 20807), (708, 20831), (752, 20939), (764, 20975), (837, 21185), (876, 21287), (879, 21296), (910, 21410), (916, 21431), (919, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 150

Candidate Starts for Georgie2_29:

(102, 20043), (Start: 130 @20085 has 8 MA's), (Start: 150 @20109 has 625 MA's), (226, 20208), (266, 20292), (283, 20343), (284, 20346), (319, 20418), (320, 20421), (353, 20475), (367, 20514), (387, 20559), (401, 20592), (445, 20679), (487, 20760), (491, 20763), (614, 21036), (668, 21156), (708, 21282), (743, 21336), (764, 21399), (769, 21414), (771, 21420), (790, 21474), (801, 21513), (805, 21528), (837, 21612), (879, 21723), (916, 21858),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 118

Candidate Starts for Geraldini_23:

(Start: 118 @17164 has 149 MA's), (Start: 144 @17194 has 125 MA's), (245, 17353), (261, 17386), (274, 17416), (283, 17449), (287, 17461), (325, 17551), (351, 17593), (381, 17665), (385, 17674), (401, 17713), (415, 17758), (424, 17779), (426, 17782), (459, 17836), (467, 17854), (487, 17896), (492, 17902), (500, 17929), (589, 18067), (598, 18085), (609, 18127), (615, 18145), (628, 18175), (643, 18202), (685, 18307), (753, 18466), (765, 18502), (786, 18541), (815, 18616), (834, 18667), (907, 18862), (917, 18901), (919, 18904), (929, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for Geralt_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (375, 15285), (384, 15306), (388, 15315), (398, 15339), (493, 15465), (497, 15480), (499, 15486), (512, 15522), (513, 15525), (516, 15537), (520, 15543), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (645, 15804), (648, 15813), (660, 15831), (662, 15837), (670, 15867), (751, 15972), (752, 15981), (753, 15984), (765, 16020), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (883, 16368), (894, 16398), (899, 16410), (904, 16440), (916, 16482),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 150

Candidate Starts for Getalong_21:

(120, 17186), (Start: 150 @17225 has 625 MA's), (Start: 160 @17237 has 22 MA's), (Start: 163 @17240 has 16 MA's), (191, 17276), (213, 17315), (226, 17336), (247, 17378), (249, 17384), (252, 17387), (259, 17399), (273, 17435), (283, 17471), (305, 17528), (330, 17576), (345, 17603), (391, 17705), (405, 17744), (430, 17801), (443, 17819), (455, 17828), (458, 17834), (480, 17882), (492, 17912), (503, 17948), (505, 17954), (513, 17975), (514, 17978), (540, 18029), (581, 18056), (582, 18059), (596, 18086), (606, 18113), (633, 18185), (659, 18224), (677, 18278), (701, 18350), (720, 18395), (765, 18485), (771, 18503), (810, 18587), (814, 18596), (815, 18599), (817, 18605), (822, 18620), (835, 18650), (838, 18656), (852, 18677), (853, 18680), (868, 18734), (879, 18764), (880, 18773), (896, 18824), (904, 18857), (908, 18869), (913, 18887),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 144

Candidate Starts for Gex_18:

(Start: 144 @14985 has 125 MA's), (Start: 169 @15012 has 1 MA's), (Start: 233 @15117 has 2 MA's), (236, 15129), (252, 15165), (274, 15216), (282, 15246), (284, 15252), (293, 15279), (295, 15285), (353, 15405), (371, 15459), (375, 15465), (382, 15483), (388, 15495), (390, 15498), (398, 15519), (411, 15561), (425, 15594), (493, 15645), (497, 15660), (512, 15702), (516, 15717), (520, 15723), (543, 15771), (556, 15795), (564, 15825), (587, 15849), (609, 15909), (613, 15921), (634, 15975), (645, 15984), (669, 16044), (670, 16047), (751, 16152), (752, 16161), (765, 16200), (808, 16338), (863, 16488), (864, 16491), (867, 16500), (878, 16521), (883, 16548), (897, 16584), (923, 16677),

Gene: Gezellig_31 Start: 25993, Stop: 27759, Start Num: 105

Candidate Starts for Gezellig_31:

(86, 25951), (Start: 105 @25993 has 84 MA's), (Start: 129 @26029 has 1 MA's), (Start: 155 @26062 has 12 MA's), (274, 26272), (275, 26275), (283, 26305), (310, 26371), (320, 26395), (326, 26404), (345, 26437), (410, 26590), (430, 26629), (466, 26680), (470, 26692), (480, 26710), (486, 26722), (490, 26734), (495, 26749), (504, 26779), (505, 26782), (513, 26803), (581, 26875), (603, 26923), (647, 27034), (665, 27067), (676, 27106), (677, 27109), (701, 27181), (740, 27247), (744, 27259), (815, 27430), (816, 27433), (834, 27481), (852, 27508), (860, 27535), (877, 27589), (908, 27706), (914, 27727), (925, 27754),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 177

Candidate Starts for Ghobes_16:

(55, 14042), (149, 14321), (Start: 177 @14348 has 46 MA's), (298, 14603), (299, 14606), (300, 14609), (316, 14633), (319, 14639), (345, 14681), (355, 14699), (406, 14825), (447, 14903), (462, 14927), (465, 14930), (466, 14933), (495, 14993), (565, 15104), (567, 15107), (603, 15164), (614, 15203), (617, 15209), (627, 15233), (695, 15389), (701, 15419), (817, 15650), (829, 15683), (858, 15743), (868, 15767), (918, 15935), (922, 15941),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 150

Candidate Starts for Ghoulboy_24:

(Start: 150 @19904 has 625 MA's), (245, 20042), (284, 20141), (320, 20216), (351, 20267), (381, 20339), (387, 20354), (401, 20387), (403, 20393), (455, 20486), (500, 20588), (509, 20618), (513, 20624), (562, 20714), (580, 20744), (613, 20828), (614, 20831), (631, 20870), (640, 20888), (667, 20948), (668, 20951), (699, 21044), (752, 21185), (766, 21227), (879, 21545), (916, 21680), (919, 21689),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 150

Candidate Starts for GiKK_21:

(38, 14670), (120, 15060), (Start: 140 @15087 has 9 MA's), (Start: 150 @15090 has 625 MA's), (245, 15231), (283, 15330), (298, 15375), (387, 15558), (400, 15588), (413, 15630), (430, 15660), (458, 15690), (462, 15702), (465, 15705), (500, 15795), (527, 15861), (533, 15876), (580, 15912), (587, 15927), (596, 15945), (609, 15984), (611, 15990), (649, 16074), (666, 16110), (667, 16113), (668, 16116), (673, 16131), (678, 16149), (679, 16152), (699, 16206), (765, 16335), (769, 16347), (775, 16362), (786, 16374), (814, 16446), (815, 16449), (816, 16452), (858, 16548), (879, 16617), (880, 16626), (913, 16743), (919, 16764), (923, 16770),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 150

Candidate Starts for Gibbous_18:

(Start: 150 @15938 has 625 MA's), (230, 16052), (246, 16085), (330, 16286), (351, 16322), (387, 16409), (430, 16511), (458, 16544), (462, 16556), (465, 16559), (490, 16616), (500, 16649), (505, 16664), (515, 16691), (533, 16730), (580, 16766), (582, 16772), (606, 16826), (613, 16850), (627, 16889), (632, 16895), (667, 16967), (673, 16985), (676, 16994), (678, 17003), (699, 17060), (703, 17078), (765, 17189), (769, 17201), (775, 17216), (786, 17228), (814, 17300), (815, 17303), (858, 17399), (864, 17426), (873, 17450), (879, 17468),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Gideon_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 139

Candidate Starts for GigiOuiOui_16:

(Start: 139 @14934 has 218 MA's), (207, 15021), (218, 15042), (Start: 233 @15066 has 2 MA's), (242, 15090), (282, 15195), (284, 15201), (289, 15219), (300, 15249), (353, 15354), (371, 15408), (375, 15414), (379, 15423), (388, 15444), (398, 15468), (410, 15504), (411, 15510), (425, 15543), (427, 15546), (441, 15555), (467, 15570), (474, 15576), (493, 15594), (497, 15609), (499, 15615), (505, 15633), (506, 15636), (512, 15651), (516, 15666), (520, 15672), (543, 15720), (550, 15732), (554, 15738), (587, 15798), (592, 15810), (606, 15846), (609, 15858), (645, 15933), (648, 15942), (660, 15960), (662, 15966), (670, 15996), (751, 16101), (753, 16113), (765, 16149), (792, 16227), (826, 16347), (843, 16380), (858, 16410), (860, 16422), (864, 16440), (866, 16446), (867, 16449), (869, 16455), (878, 16470), (879, 16473), (882, 16494), (883, 16497), (899, 16539), (904, 16569), (916, 16611), (917, 16617),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 150

Candidate Starts for Gilberta_28:

(102, 20680), (Start: 130 @20722 has 8 MA's), (Start: 150 @20746 has 625 MA's), (Start: 193 @20788 has 3 MA's), (245, 20884), (253, 20899), (283, 20980), (284, 20983), (319, 21055), (320, 21058), (330, 21073), (353, 21112), (355, 21118), (401, 21229), (403, 21235), (445, 21316), (491, 21400), (541,

21526), (552, 21544), (568, 21571), (631, 21712), (664, 21778), (667, 21790), (668, 21793), (734, 21982), (747, 22009), (751, 22018), (757, 22039), (758, 22042), (764, 22063), (769, 22078), (778, 22102), (801, 22177), (805, 22192), (837, 22276), (877, 22381), (879, 22387), (894, 22441), (925, 22540),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Giles_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 150

Candidate Starts for GingkoMaracino_29:

(Start: 150 @20265 has 625 MA's), (Start: 199 @20322 has 1 MA's), (208, 20337), (226, 20370), (237, 20391), (Start: 244 @20406 has 1 MA's), (279, 20493), (283, 20505), (284, 20508), (320, 20583), (330, 20598), (351, 20634), (445, 20841), (500, 20955), (514, 20994), (562, 21081), (613, 21195), (622, 21219), (631, 21237), (668, 21318), (696, 21393), (699, 21411), (708, 21444), (714, 21450), (727, 21489), (752, 21543), (753, 21546), (761, 21567), (780, 21624), (837, 21792), (877, 21897), (879, 21903), (916, 22038),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 139

Candidate Starts for Girafales_17:

(Start: 139 @14636 has 218 MA's), (207, 14723), (Start: 233 @14768 has 2 MA's), (242, 14792), (282, 14897), (284, 14903), (289, 14921), (300, 14951), (353, 15056), (375, 15116), (384, 15137), (388, 15146), (398, 15170), (493, 15296), (497, 15311), (499, 15317), (505, 15335), (506, 15338), (512, 15353), (513, 15356), (516, 15368), (520, 15374), (525, 15383), (543, 15422), (550, 15434), (554, 15440), (587, 15500), (606, 15548), (609, 15560), (645, 15635), (648, 15644), (660, 15662), (662, 15668), (670, 15698), (751, 15803), (753, 15815), (765, 15851), (792, 15929), (820, 16028), (826, 16049), (843, 16082), (858, 16112), (864, 16142), (867, 16151), (869, 16157), (878, 16172), (879, 16175), (882, 16196), (883, 16199), (899, 16241), (904, 16271), (916, 16313),

Gene: Giroux_28 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for Giroux_28:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500, 20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753, 21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for Girr_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (371, 15248), (375, 15254), (379, 15263), (384, 15275), (388, 15284), (398, 15308), (410, 15344), (411, 15350), (415, 15362), (425, 15383), (427, 15386), (441, 15395), (467, 15410), (474, 15416), (493, 15434), (497, 15449), (499, 15455), (505, 15473), (506, 15476), (512, 15491), (516, 15506), (520, 15512), (534, 15542), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (616,

15719), (645, 15773), (648, 15782), (662, 15806), (670, 15836), (751, 15941), (753, 15953), (765, 15989), (779, 16028), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (882, 16334), (883, 16337), (899, 16379), (904, 16409), (916, 16451), (917, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Gizermo_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 150

Candidate Starts for Gladiator_31:

(102, 19897), (Start: 130 @19939 has 8 MA's), (Start: 150 @19963 has 625 MA's), (284, 20200), (319, 20272), (320, 20275), (330, 20290), (353, 20329), (355, 20335), (401, 20446), (403, 20452), (415, 20491), (445, 20533), (467, 20572), (487, 20614), (491, 20617), (562, 20773), (624, 20914), (631, 20929), (714, 21142), (761, 21241), (769, 21268), (788, 21319), (790, 21328), (801, 21367), (802, 21370), (837, 21466), (877, 21571), (879, 21577), (916, 21712),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for Glaske_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 205

Candidate Starts for Glexan_22:

(Start: 144 @19362 has 125 MA's), (Start: 205 @19446 has 48 MA's), (Start: 244 @19524 has 1 MA's), (279, 19611), (284, 19626), (300, 19674), (317, 19713), (359, 19800), (372, 19833), (388, 19869), (400, 19899), (402, 19905), (437, 19974), (495, 20004), (498, 20016), (499, 20019), (520, 20076), (589, 20208), (591, 20214), (614, 20280), (616, 20286), (625, 20310), (648, 20358), (662, 20382), (664, 20391), (688, 20466), (752, 20517), (758, 20532), (809, 20694), (817, 20721), (826, 20751), (868, 20856), (897, 20934), (904, 20970), (907, 20979), (916, 21012), (923, 21027),

Gene: GodSpeed_19 Start: 16845, Stop: 18557, Start Num: 152

Candidate Starts for GodSpeed_19:

(Start: 138 @16833 has 76 MA's), (Start: 152 @16845 has 219 MA's), (208, 16905), (274, 17040), (298, 17115), (320, 17166), (330, 17181), (347, 17211), (351, 17217), (371, 17271), (419, 17391), (467, 17487), (470, 17496), (487, 17529), (492, 17535), (504, 17574), (513, 17598), (516, 17610), (548, 17655), (552, 17661), (589, 17700), (643, 17841), (668, 17898), (685, 17946), (696, 17973), (742, 18063), (750, 18081), (809, 18228), (834, 18294), (902, 18468), (921, 18534),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 175

Candidate Starts for GodonK_89:

(Start: 175 @52336 has 10 MA's), (Start: 180 @52342 has 1 MA's), (230, 52426), (264, 52495), (275, 52525), (276, 52528), (284, 52558), (300, 52597), (387, 52768), (398, 52792), (404, 52810), (410, 52828), (421, 52858), (466, 52924), (467, 52927), (485, 52960), (505, 53017), (509, 53032), (512,

53035), (513, 53038), (580, 53110), (587, 53125), (594, 53140), (606, 53161), (610, 53176), (673, 53320), (676, 53341), (680, 53356), (706, 53434), (719, 53461), (721, 53467), (765, 53527), (792, 53572), (810, 53629), (814, 53638), (821, 53659), (880, 53797), (882, 53806),

Gene: Goib_23 Start: 16480, Stop: 17808, Start Num: 267

Candidate Starts for Goib_23:

(Start: 267 @16480 has 11 MA's), (276, 16495), (350, 16639), (367, 16684), (387, 16729), (398, 16753), (408, 16783), (409, 16786), (414, 16804), (Start: 417 @16813 has 1 MA's), (429, 16837), (432, 16846), (465, 16897), (472, 16909), (583, 17002), (588, 17011), (600, 17020), (614, 17065), (623, 17083), (667, 17176), (681, 17221), (703, 17290), (717, 17311), (766, 17392), (785, 17425), (821, 17512), (837, 17548), (847, 17563), (851, 17572), (868, 17614), (880, 17653), (898, 17707), (901, 17725), (916, 17782), (920, 17791),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 144

Candidate Starts for Goku_24:

(Start: 144 @19460 has 125 MA's), (Start: 205 @19544 has 48 MA's), (Start: 244 @19622 has 1 MA's), (279, 19709), (284, 19724), (300, 19772), (317, 19811), (359, 19898), (372, 19931), (388, 19967), (400, 19997), (402, 20003), (437, 20072), (495, 20102), (498, 20114), (499, 20117), (520, 20174), (589, 20306), (591, 20312), (614, 20378), (616, 20384), (625, 20408), (648, 20456), (662, 20480), (664, 20489), (688, 20564), (752, 20615), (758, 20630), (809, 20792), (817, 20819), (826, 20849), (868, 20954), (897, 21032), (904, 21068), (907, 21077), (916, 21110), (923, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 140

Candidate Starts for GoldHunter_19:

(Start: 140 @15730 has 9 MA's), (Start: 150 @15733 has 625 MA's), (274, 15943), (320, 16066), (351, 16117), (387, 16204), (393, 16213), (400, 16234), (405, 16249), (409, 16261), (458, 16339), (462, 16351), (476, 16378), (490, 16411), (500, 16444), (504, 16456), (520, 16498), (606, 16621), (633, 16693), (668, 16771), (673, 16786), (678, 16804), (699, 16861), (753, 16954), (765, 16990), (769, 17002), (771, 17008), (777, 17020), (786, 17029), (814, 17101), (815, 17104), (817, 17110), (821, 17122), (852, 17182), (864, 17227), (867, 17236), (879, 17269), (899, 17335),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for GoldenAsh_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 144

Candidate Starts for GoldenSpark_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 144

Candidate Starts for Goldilocks_25:

(Start: 144 @19156 has 125 MA's), (Start: 205 @19240 has 48 MA's), (Start: 244 @19318 has 1 MA's), (279, 19405), (284, 19420), (300, 19468), (317, 19507), (359, 19594), (372, 19627), (388,

19663), (400, 19693), (402, 19699), (437, 19768), (495, 19798), (498, 19810), (499, 19813), (520, 19870), (589, 20002), (591, 20008), (614, 20074), (616, 20080), (625, 20104), (648, 20152), (662, 20176), (664, 20185), (688, 20260), (752, 20311), (758, 20326), (809, 20488), (817, 20515), (826, 20545), (868, 20650), (897, 20728), (904, 20764), (907, 20773), (916, 20806), (923, 20821),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Gollum_23:

(Start: 168 @16334 has 10 MA's), (Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 138

Candidate Starts for Gomashi_18:

(Start: 112 @16641 has 26 MA's), (Start: 138 @16650 has 76 MA's), (Start: 144 @16656 has 125 MA's), (149, 16662), (237, 16794), (261, 16845), (274, 16875), (280, 16899), (320, 17001), (344, 17040), (347, 17046), (355, 17061), (371, 17106), (419, 17226), (450, 17283), (467, 17322), (492, 17370), (500, 17397), (504, 17409), (548, 17490), (589, 17535), (668, 17733), (677, 17763), (685, 17781), (696, 17808), (723, 17892), (742, 17910), (749, 17925), (764, 17973), (769, 17988), (802, 18051), (821, 18108), (837, 18147), (858, 18189), (880, 18240), (907, 18336), (929, 18396),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 152

Candidate Starts for Gompeii16_27:

(Start: 152 @21590 has 219 MA's), (Start: 173 @21611 has 4 MA's), (Start: 199 @21653 has 1 MA's), (223, 21698), (320, 21914), (347, 21959), (353, 21968), (391, 22058), (393, 22061), (401, 22085), (491, 22256), (514, 22325), (613, 22526), (614, 22529), (622, 22550), (667, 22646), (668, 22649), (670, 22655), (696, 22724), (699, 22742), (701, 22751), (714, 22781), (753, 22877), (764, 22910), (769, 22925), (815, 23066), (837, 23123), (879, 23234),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 138

Candidate Starts for Gonephishing_32:

(Start: 138 @25229 has 76 MA's), (Start: 205 @25319 has 48 MA's), (207, 25322), (255, 25424), (279, 25490), (292, 25526), (301, 25556), (308, 25571), (347, 25655), (360, 25691), (372, 25718), (390, 25757), (402, 25790), (405, 25799), (427, 25856), (479, 25898), (515, 25973), (520, 25985), (550, 26045), (554, 26051), (572, 26099), (589, 26129), (597, 26147), (602, 26156), (610, 26189), (614, 26201), (616, 26207), (631, 26246), (662, 26303), (758, 26453), (763, 26471), (778, 26513), (787, 26537), (788, 26540), (792, 26555), (800, 26585), (809, 26615), (826, 26672), (885, 26822), (923, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 144

Candidate Starts for GooberAzure_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 150

Candidate Starts for Goose_27:

(Start: 130 @19762 has 8 MA's), (Start: 150 @19786 has 625 MA's), (Start: 199 @19843 has 1 MA's), (208, 19858), (237, 19912), (279, 20014), (283, 20026), (284, 20029), (320, 20104), (330, 20119),

(353, 20158), (401, 20275), (407, 20293), (445, 20362), (483, 20437), (500, 20476), (514, 20515), (562, 20602), (580, 20632), (587, 20647), (608, 20695), (622, 20740), (627, 20752), (631, 20758), (667, 20836), (668, 20839), (699, 20932), (701, 20941), (708, 20965), (714, 20971), (719, 20986), (743, 21019), (761, 21070), (766, 21088), (780, 21127), (781, 21133), (815, 21238), (837, 21295), (853, 21319), (855, 21325), (877, 21400), (879, 21406), (880, 21415), (916, 21541),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 139

Candidate Starts for Gorge_16:

(Start: 139 @14790 has 218 MA's), (207, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (266, 15003), (282, 15051), (284, 15057), (289, 15075), (300, 15105), (353, 15210), (371, 15264), (375, 15270), (379, 15279), (388, 15300), (398, 15324), (410, 15360), (411, 15366), (425, 15399), (427, 15402), (441, 15411), (467, 15426), (474, 15432), (493, 15450), (497, 15465), (499, 15471), (505, 15489), (506, 15492), (512, 15507), (516, 15522), (520, 15528), (543, 15576), (550, 15588), (554, 15594), (556, 15600), (587, 15654), (592, 15666), (606, 15702), (609, 15714), (645, 15789), (648, 15798), (660, 15816), (662, 15822), (670, 15852), (751, 15957), (753, 15969), (765, 16005), (792, 16083), (826, 16203), (843, 16236), (858, 16266), (860, 16278), (864, 16296), (866, 16302), (867, 16305), (869, 16311), (878, 16326), (879, 16329), (882, 16350), (883, 16353), (899, 16395), (904, 16425), (916, 16467), (917, 16473),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 152

Candidate Starts for Graduation_29:

(Start: 152 @21859 has 219 MA's), (Start: 173 @21880 has 4 MA's), (Start: 199 @21922 has 1 MA's), (223, 21967), (320, 22183), (347, 22228), (353, 22237), (367, 22276), (391, 22327), (393, 22330), (491, 22525), (514, 22594), (613, 22795), (614, 22798), (622, 22819), (667, 22915), (668, 22918), (670, 22924), (696, 22993), (699, 23011), (701, 23020), (714, 23050), (753, 23146), (764, 23179), (769, 23194), (815, 23335), (837, 23392),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 174

Candidate Starts for GrandSlam_22:

(Start: 106 @17803 has 2 MA's), (Start: 174 @17878 has 18 MA's), (230, 17971), (237, 17986), (241, 17992), (274, 18067), (295, 18139), (348, 18250), (367, 18295), (375, 18313), (381, 18325), (465, 18496), (468, 18505), (470, 18511), (510, 18607), (535, 18658), (613, 18781), (628, 18820), (681, 18952), (722, 19066), (764, 19153), (814, 19267), (817, 19276), (864, 19381), (895, 19468), (929, 19576),

Gene: Gratitude_29 Start: 20632, Stop: 22428, Start Num: 130

Candidate Starts for Gratitude_29:

(Start: 130 @20632 has 8 MA's), (Start: 150 @20656 has 625 MA's), (Start: 244 @20791 has 1 MA's), (283, 20890), (284, 20893), (319, 20965), (320, 20968), (353, 21022), (355, 21028), (381, 21091), (401, 21139), (411, 21172), (445, 21226), (487, 21307), (491, 21310), (500, 21340), (580, 21496), (614, 21583), (668, 21703), (707, 21826), (708, 21829), (714, 21835), (743, 21883), (764, 21946), (769, 21961), (771, 21967), (790, 22021), (801, 22060), (805, 22075), (817, 22108), (834, 22153), (877, 22264), (879, 22270), (894, 22324),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 117

Candidate Starts for Gravaillia_22:

(60, 16959), (Start: 117 @17133 has 24 MA's), (123, 17142), (198, 17235), (210, 17259), (217, 17271), (230, 17292), (237, 17307), (273, 17385), (294, 17457), (334, 17547), (361, 17601), (373, 17631), (378, 17640), (387, 17661), (411, 17727), (423, 17754), (443, 17787), (459, 17805), (467, 17823), (468, 17826), (476, 17841), (478, 17844), (504, 17910), (505, 17913), (535, 17979), (576, 18003), (610, 18090), (631, 18144), (659, 18189), (661, 18195), (668, 18222), (683, 18267), (716, 18360), (719, 18369), (764, 18447), (824, 18591), (831, 18609), (837, 18621), (848, 18636), (849, 18639), (858, 18660), (882, 18720), (893, 18753), (895, 18759), (897, 18762), (913, 18828), (929, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 116

Candidate Starts for GreaseLightnin_19:

(Start: 116 @16367 has 3 MA's), (Start: 134 @16391 has 48 MA's), (184, 16451), (195, 16472), (197, 16475), (259, 16595), (274, 16634), (283, 16667), (292, 16691), (342, 16811), (359, 16850), (360, 16856), (396, 16940), (398, 16946), (402, 16958), (410, 16982), (420, 17009), (437, 17027), (480, 17066), (493, 17072), (500, 17096), (520, 17150), (526, 17162), (531, 17171), (560, 17231), (597, 17309), (609, 17348), (621, 17381), (648, 17447), (659, 17462), (662, 17471), (668, 17495), (676, 17525), (680, 17537), (763, 17639), (767, 17651), (768, 17654), (770, 17660), (774, 17669), (807, 17777), (836, 17861), (874, 17960), (907, 18068), (923, 18116),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 152

Candidate Starts for GrecoEtereo_29:

(Start: 152 @21899 has 219 MA's), (Start: 173 @21920 has 4 MA's), (Start: 199 @21962 has 1 MA's), (223, 22007), (320, 22223), (347, 22268), (353, 22277), (367, 22316), (391, 22367), (393, 22370), (491, 22565), (514, 22634), (613, 22835), (614, 22838), (622, 22859), (667, 22955), (668, 22958), (670, 22964), (696, 23033), (699, 23051), (701, 23060), (714, 23090), (753, 23186), (764, 23219), (769, 23234), (815, 23375), (837, 23432), (879, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for GreedyLawyer_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (415, 20504), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: Greep_25 Start: 20150, Stop: 21745, Start Num: 205

Candidate Starts for Greep_25:

(Start: 144 @20066 has 125 MA's), (Start: 205 @20150 has 48 MA's), (Start: 244 @20228 has 1 MA's), (279, 20315), (284, 20330), (300, 20378), (317, 20417), (359, 20504), (372, 20537), (388, 20573), (400, 20603), (402, 20609), (437, 20678), (495, 20708), (498, 20720), (499, 20723), (520, 20780), (589, 20912), (591, 20918), (614, 20984), (616, 20990), (625, 21014), (648, 21062), (662, 21086), (664, 21095), (688, 21170), (752, 21221), (758, 21236), (809, 21398), (817, 21425), (826, 21455), (868, 21560), (897, 21638), (904, 21674), (907, 21683), (916, 21716), (923, 21731),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 152

Candidate Starts for Greg_29:

(Start: 152 @21405 has 219 MA's), (Start: 173 @21426 has 4 MA's), (Start: 199 @21468 has 1 MA's), (223, 21513), (320, 21729), (347, 21774), (353, 21783), (391, 21873), (393, 21876), (491, 22071), (514, 22140), (613, 22341), (614, 22344), (622, 22365), (667, 22461), (668, 22464), (670, 22470), (696, 22539), (699, 22557), (701, 22566), (714, 22596), (753, 22692), (764, 22725), (769, 22740), (815, 22881), (837, 22938), (879, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 150

Candidate Starts for Grif_29:

(Start: 150 @20462 has 625 MA's), (Start: 199 @20519 has 1 MA's), (208, 20534), (237, 20588), (Start: 244 @20603 has 1 MA's), (279, 20690), (283, 20702), (284, 20705), (320, 20780), (330, 20795), (351, 20831), (445, 21038), (514, 21191), (562, 21278), (613, 21392), (622, 21416), (631, 21434), (668, 21515), (696, 21590), (699, 21608), (708, 21641), (714, 21647), (727, 21686), (752, 21740), (753, 21743), (761, 21764), (780, 21821), (837, 21989), (877, 22094), (879, 22100), (916, 22235),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 139

Candidate Starts for Grimmer_17:

(Start: 139 @15467 has 218 MA's), (207, 15554), (Start: 233 @15599 has 2 MA's), (242, 15623), (248, 15644), (282, 15728), (284, 15734), (289, 15752), (300, 15782), (353, 15887), (375, 15947), (379, 15956), (384, 15968), (388, 15977), (396, 15995), (398, 16001), (411, 16043), (425, 16076), (441, 16088), (467, 16103), (474, 16109), (493, 16127), (497, 16142), (499, 16148), (506, 16169), (512, 16184), (513, 16187), (516, 16199), (520, 16205), (543, 16253), (550, 16265), (554, 16271), (587, 16331), (592, 16343), (606, 16379), (609, 16391), (616, 16412), (645, 16466), (648, 16475), (660, 16493), (662, 16499), (670, 16529), (751, 16634), (752, 16643), (753, 16646), (765, 16682), (779, 16721), (792, 16760), (820, 16859), (826, 16880), (843, 16913), (858, 16943), (864, 16973), (867, 16982), (869, 16988), (878, 17003), (879, 17006), (882, 17027), (883, 17030), (899, 17072), (916, 17144), (917, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 112

Candidate Starts for Grizzly_18:

(58, 16439), (Start: 112 @16643 has 26 MA's), (Start: 138 @16652 has 76 MA's), (Start: 144 @16658 has 125 MA's), (149, 16664), (208, 16742), (237, 16796), (261, 16847), (274, 16877), (280, 16901), (287, 16922), (320, 17003), (344, 17042), (347, 17048), (355, 17063), (371, 17108), (419, 17228), (450, 17285), (467, 17324), (487, 17366), (492, 17372), (500, 17399), (504, 17411), (548, 17492), (589, 17537), (606, 17585), (668, 17735), (677, 17765), (685, 17783), (696, 17810), (742, 17912), (749, 17927), (764, 17975), (769, 17990), (802, 18053), (821, 18110), (837, 18149), (858, 18191), (880, 18242), (907, 18338), (929, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 162

Candidate Starts for GrootJr_43:

(Start: 162 @30207 has 92 MA's), (Start: 190 @30243 has 1 MA's), (201, 30261), (237, 30321), (355, 30561), (358, 30573), (363, 30588), (398, 30654), (403, 30669), (412, 30693), (413, 30696), (461, 30780), (475, 30810), (477, 30813), (501, 30870), (517, 30918), (519, 30921), (531, 30942), (603, 31047), (625, 31092), (648, 31134), (706, 31308), (724, 31338), (733, 31344), (796, 31452), (797, 31455), (821, 31530), (904, 31749), (923, 31806),

Gene: GroundGoblin_29 Start: 22423, Stop: 24225, Start Num: 152

Candidate Starts for GroundGoblin_29:

(Start: 152 @22423 has 219 MA's), (Start: 173 @22444 has 4 MA's), (Start: 199 @22486 has 1 MA's), (223, 22531), (320, 22747), (347, 22792), (353, 22801), (367, 22840), (391, 22891), (393, 22894), (491, 23089), (514, 23158), (613, 23359), (614, 23362), (622, 23383), (667, 23479), (668, 23482), (670, 23488), (696, 23557), (699, 23575), (701, 23584), (714, 23614), (753, 23710), (764, 23743), (769, 23758), (780, 23788), (815, 23899), (837, 23956), (879, 24067), (925, 24220),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 150

Candidate Starts for Groundhog_23:

(Start: 130 @18597 has 8 MA's), (Start: 150 @18621 has 625 MA's), (222, 18714), (245, 18759), (284, 18858), (300, 18894), (320, 18933), (330, 18948), (351, 18984), (401, 19104), (403, 19110), (467, 19230), (520, 19359), (562, 19431), (613, 19545), (699, 19761), (708, 19794), (753, 19896), (764, 19929), (769, 19944), (780, 19974), (876, 20244), (879, 20253), (880, 20262), (913, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Groupthink_30:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (608, 21369), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (719, 21660), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for Grub_29:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 150

Candidate Starts for Grum1_29:

(Start: 150 @20375 has 625 MA's), (Start: 199 @20432 has 1 MA's), (208, 20447), (226, 20480), (237, 20501), (Start: 244 @20516 has 1 MA's), (279, 20603), (283, 20615), (284, 20618), (320, 20693), (330, 20708), (351, 20744), (402, 20867), (445, 20951), (500, 21065), (514, 21104), (562, 21191), (613, 21305), (622, 21329), (631, 21347), (668, 21428), (696, 21503), (699, 21521), (708, 21554), (714, 21560), (727, 21599), (752, 21653), (753, 21656), (761, 21677), (794, 21776), (877, 22007), (879, 22013), (916, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 150

Candidate Starts for Gruunaga_31:

(102, 19897), (Start: 130 @19939 has 8 MA's), (Start: 150 @19963 has 625 MA's), (284, 20200), (319, 20272), (320, 20275), (330, 20290), (353, 20329), (355, 20335), (401, 20446), (403, 20452), (415, 20491), (445, 20533), (467, 20572), (487, 20614), (491, 20617), (562, 20773), (624, 20914), (631, 20929), (714, 21142), (761, 21241), (769, 21268), (788, 21319), (790, 21328), (801, 21367), (802, 21370), (837, 21466), (877, 21571), (879, 21577), (916, 21712),

Gene: Gspu1_20 Start: 15750, Stop: 17078, Start Num: 267

Candidate Starts for Gspu1_20:

(Start: 267 @15750 has 11 MA's), (277, 15768), (350, 15909), (367, 15954), (387, 15999), (414, 16074), (Start: 417 @16083 has 1 MA's), (465, 16167), (472, 16179), (583, 16272), (588, 16281), (600, 16290), (614, 16335), (623, 16353), (659, 16410), (667, 16446), (697, 16527), (704, 16563), (764, 16656), (785, 16695), (837, 16818), (863, 16869), (880, 16923), (884, 16938), (891, 16962), (894, 16968), (898, 16977), (924, 17067),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for GtownJaz_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 177

Candidate Starts for Guacamole_19:

(Start: 141 @16618 has 4 MA's), (Start: 177 @16654 has 46 MA's), (237, 16756), (273, 16834), (274, 16837), (316, 16933), (338, 16972), (377, 17053), (400, 17107), (405, 17122), (495, 17293), (504, 17323), (617, 17506), (627, 17530), (628, 17533), (655, 17581), (687, 17674), (695, 17686), (705, 17731), (713, 17746), (765, 17878), (766, 17881), (810, 17980), (817, 17998), (837, 18049), (868, 18115), (889, 18178), (894, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 118

Candidate Starts for Guanica15_23:

(Start: 118 @16380 has 149 MA's), (Start: 121 @16386 has 44 MA's), (Start: 144 @16410 has 125 MA's), (245, 16569), (261, 16602), (274, 16632), (275, 16635), (283, 16665), (287, 16677), (325, 16767), (351, 16809), (381, 16881), (385, 16890), (401, 16929), (415, 16974), (424, 16995), (426, 16998), (467, 17070), (487, 17112), (492, 17118), (500, 17145), (589, 17283), (598, 17301), (609, 17343), (615, 17361), (628, 17391), (685, 17523), (716, 17613), (765, 17718), (777, 17748), (815, 17832), (834, 17883), (880, 17982), (907, 18078), (917, 18117), (919, 18120), (929, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 165

Candidate Starts for Gudmit_18:

(Start: 150 @15543 has 625 MA's), (Start: 165 @15558 has 39 MA's), (299, 15822), (330, 15876), (363, 15945), (368, 15957), (383, 15987), (403, 16035), (462, 16161), (500, 16245), (507, 16266), (511, 16278), (524, 16308), (568, 16368), (603, 16416), (630, 16494), (648, 16533), (659, 16551), (667, 16587), (680, 16629), (697, 16665), (700, 16686), (701, 16689), (753, 16782), (816, 16935), (821, 16950), (831, 16977), (868, 17073), (882, 17121), (891, 17151), (908, 17211),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 142

Candidate Starts for Guey18_58:

(62, 28937), (63, 28946), (64, 28952), (93, 29054), (109, 29084), (Start: 142 @29129 has 6 MA's), (241, 29270), (300, 29429), (330, 29483), (401, 29639), (457, 29738), (480, 29786), (505, 29858), (580, 29948), (638, 30086), (699, 30245), (734, 30296), (736, 30299), (742, 30311), (769, 30386), (775, 30401), (814, 30485), (852, 30566), (884, 30677), (914, 30782), (919, 30800),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Guillsminger_21:

(Start: 121 @17495 has 44 MA's), (Start: 127 @17501 has 1 MA's), (Start: 147 @17525 has 1 MA's), (Start: 181 @17558 has 32 MA's), (208, 17606), (237, 17660), (261, 17711), (283, 17774), (330, 17882), (381, 17990), (424, 18104), (426, 18107), (449, 18146), (459, 18161), (465, 18173), (467, 18179), (487, 18221), (492, 18227), (504, 18266), (513, 18290), (589, 18392), (610, 18455), (627, 18500), (685, 18635), (719, 18734), (757, 18812), (764, 18836), (766, 18842), (771, 18857), (815, 18953), (817, 18959), (882, 19112), (912, 19217), (913, 19220), (917, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 163

Candidate Starts for Gustav_18:

(Start: 163 @15136 has 16 MA's), (Start: 169 @15142 has 1 MA's), (195, 15181), (223, 15232), (226, 15235), (242, 15265), (300, 15412), (341, 15481), (389, 15586), (401, 15616), (445, 15703), (468, 15742), (491, 15784), (515, 15856), (532, 15889), (538, 15901), (587, 15940), (606, 15976), (608, 15979), (613, 16000), (630, 16042), (659, 16084), (680, 16159), (687, 16177), (695, 16189), (696, 16192), (757, 16303), (762, 16318), (764, 16327), (792, 16375), (879, 16585), (908, 16693),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 105

Candidate Starts for Gustavo_34:

(Start: 105 @29639 has 84 MA's), (Start: 129 @29675 has 1 MA's), (220, 29804), (226, 29813), (272, 29909), (275, 29918), (296, 29987), (320, 30038), (326, 30047), (347, 30083), (355, 30098), (361, 30116), (391, 30179), (407, 30224), (410, 30233), (476, 30344), (480, 30353), (487, 30368), (495, 30392), (504, 30422), (631, 30644), (641, 30662), (647, 30677), (667, 30719), (676, 30749), (723, 30869), (766, 30962), (815, 31073), (816, 31076), (834, 31124), (852, 31151), (860, 31178), (877, 31232),

Gene: GuyFagieri_45 Start: 31180, Stop: 32754, Start Num: 168

Candidate Starts for GuyFagieri_45:

(Start: 168 @31180 has 10 MA's), (Start: 177 @31189 has 46 MA's), (Start: 179 @31192 has 1 MA's), (212, 31243), (230, 31267), (237, 31270), (358, 31522), (365, 31540), (398, 31603), (403, 31618),

(469, 31735), (477, 31750), (501, 31807), (504, 31816), (519, 31858), (531, 31879), (551, 31909), (596, 31963), (673, 32137), (706, 32242), (707, 32245), (724, 32272), (783, 32365), (834, 32497), (858, 32545), (884, 32611), (894, 32641), (913, 32713),

Gene: Gwendoluna_29 Start: 22990, Stop: 24792, Start Num: 152

Candidate Starts for Gwendoluna_29:

(Start: 152 @22990 has 219 MA's), (Start: 173 @23011 has 4 MA's), (Start: 199 @23053 has 1 MA's), (223, 23098), (320, 23314), (347, 23359), (353, 23368), (367, 23407), (391, 23458), (393, 23461), (491, 23656), (514, 23725), (613, 23926), (614, 23929), (622, 23950), (667, 24046), (668, 24049), (670, 24055), (696, 24124), (699, 24142), (701, 24151), (714, 24181), (753, 24277), (764, 24310), (769, 24325), (815, 24466), (837, 24523), (879, 24634),

Gene: Gwennie_28 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for Gwennie_28:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 152

Candidate Starts for Gyzlar_29:

(Start: 152 @22353 has 219 MA's), (Start: 173 @22374 has 4 MA's), (Start: 199 @22416 has 1 MA's), (223, 22461), (320, 22677), (347, 22722), (353, 22731), (367, 22770), (391, 22821), (393, 22824), (491, 23019), (514, 23088), (613, 23289), (614, 23292), (622, 23313), (667, 23409), (668, 23412), (670, 23418), (696, 23487), (699, 23505), (701, 23514), (714, 23544), (753, 23640), (764, 23673), (769, 23688), (815, 23829), (837, 23886), (879, 23997),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 148

Candidate Starts for HC_19:

(Start: 148 @16486 has 18 MA's), (216, 16585), (221, 16594), (252, 16660), (264, 16684), (283, 16744), (284, 16747), (293, 16774), (371, 16954), (382, 16978), (388, 16990), (398, 17014), (493, 17140), (497, 17155), (500, 17164), (513, 17200), (520, 17218), (634, 17470), (645, 17479), (662, 17512), (752, 17656), (767, 17701), (800, 17803), (803, 17812), (807, 17830), (808, 17833), (846, 17932), (864, 17992), (870, 18010), (878, 18046), (880, 18061), (897, 18109), (914, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for HH92_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 150

Candidate Starts for HINdeR_27:

(69, 22575), (88, 22620), (Start: 130 @22701 has 8 MA's), (Start: 139 @22713 has 218 MA's), (Start: 150 @22725 has 625 MA's), (197, 22770), (209, 22791), (226, 22821), (283, 22956), (284, 22959), (320, 23034), (353, 23088), (403, 23211), (405, 23217), (415, 23250), (445, 23292), (491, 23376),

(500, 23406), (509, 23436), (581, 23562), (613, 23643), (631, 23685), (667, 23781), (668, 23784), (673, 23799), (696, 23859), (699, 23877), (701, 23886), (708, 23910), (714, 23916), (752, 24009), (753, 24012), (760, 24030), (764, 24045), (769, 24060), (781, 24096), (814, 24198), (879, 24369), (908, 24474), (923, 24519),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for HUHilltop_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 139

Candidate Starts for Hades_16:

(Start: 139 @14815 has 218 MA's), (207, 14902), (Start: 233 @14947 has 2 MA's), (242, 14971), (282, 15076), (284, 15082), (289, 15100), (300, 15130), (353, 15235), (375, 15295), (384, 15316), (388, 15325), (398, 15349), (493, 15475), (497, 15490), (499, 15496), (512, 15532), (513, 15535), (516, 15547), (520, 15553), (543, 15601), (550, 15613), (554, 15619), (587, 15679), (592, 15691), (606, 15727), (609, 15739), (645, 15814), (648, 15823), (660, 15841), (662, 15847), (670, 15877), (751, 15982), (752, 15991), (753, 15994), (765, 16030), (792, 16108), (820, 16207), (826, 16228), (843, 16261), (858, 16291), (864, 16321), (867, 16330), (869, 16336), (878, 16351), (879, 16354), (883, 16378), (894, 16408), (899, 16420), (904, 16450), (916, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Hadrien_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Hail_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Haley23_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668,

15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 138

Candidate Starts for Halo_18:

(Start: 112 @16635 has 26 MA's), (Start: 138 @16644 has 76 MA's), (Start: 144 @16650 has 125 MA's), (149, 16656), (237, 16788), (261, 16839), (274, 16869), (280, 16893), (320, 16995), (344, 17034), (347, 17040), (355, 17055), (371, 17100), (419, 17220), (450, 17277), (467, 17316), (492, 17364), (500, 17391), (504, 17403), (548, 17484), (589, 17529), (668, 17727), (677, 17757), (685, 17775), (696, 17802), (723, 17886), (742, 17904), (749, 17919), (764, 17967), (769, 17982), (802, 18045), (821, 18102), (837, 18141), (858, 18183), (880, 18234), (907, 18330), (929, 18390),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 105

Candidate Starts for Halo3_32:

(86, 26244), (Start: 105 @26286 has 84 MA's), (Start: 129 @26322 has 1 MA's), (Start: 155 @26355 has 12 MA's), (274, 26565), (275, 26568), (283, 26598), (310, 26664), (320, 26688), (326, 26697), (345, 26730), (410, 26883), (430, 26922), (466, 26973), (470, 26985), (480, 27003), (486, 27015), (490, 27027), (495, 27042), (504, 27072), (505, 27075), (513, 27096), (581, 27168), (603, 27216), (647, 27327), (665, 27360), (676, 27399), (677, 27402), (701, 27474), (740, 27540), (744, 27552), (815, 27723), (816, 27726), (834, 27774), (852, 27801), (860, 27828), (877, 27882), (908, 27999), (914, 28020), (925, 28047),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for HamSlice_26:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: Hami1_29 Start: 21499, Stop: 23301, Start Num: 152

Candidate Starts for Hami1_29:

(Start: 152 @21499 has 219 MA's), (Start: 173 @21520 has 4 MA's), (Start: 199 @21562 has 1 MA's), (223, 21607), (320, 21823), (347, 21868), (353, 21877), (367, 21916), (391, 21967), (393, 21970), (491, 22165), (514, 22234), (613, 22435), (614, 22438), (622, 22459), (667, 22555), (668, 22558), (670, 22564), (699, 22651), (701, 22660), (714, 22690), (753, 22786), (764, 22819), (769, 22834), (815, 22975), (837, 23032), (879, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 150

Candidate Starts for Hammer_31:

(102, 19912), (Start: 130 @19954 has 8 MA's), (Start: 150 @19978 has 625 MA's), (284, 20215), (319, 20287), (320, 20290), (330, 20305), (353, 20344), (355, 20350), (401, 20461), (403, 20467), (415, 20506), (445, 20548), (467, 20587), (487, 20629), (491, 20632), (562, 20788), (624, 20929), (631, 20944), (714, 21157), (769, 21283), (788, 21334), (790, 21343), (801, 21382), (802, 21385), (877, 21586), (879, 21592), (916, 21727),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 118

Candidate Starts for Hammy_22:

(Start: 96 @17533 has 3 MA's), (Start: 112 @17563 has 26 MA's), (Start: 118 @17572 has 149 MA's), (Start: 144 @17602 has 125 MA's), (230, 17728), (237, 17743), (261, 17794), (283, 17857), (287, 17869), (294, 17887), (325, 17959), (347, 17995), (351, 18001), (385, 18082), (419, 18175), (424, 18187), (426, 18190), (446, 18226), (467, 18262), (487, 18304), (492, 18310), (500, 18337), (513,

18373), (598, 18493), (628, 18583), (643, 18610), (665, 18655), (685, 18715), (707, 18790), (719, 18814), (753, 18874), (765, 18910), (777, 18940), (815, 19024), (834, 19075), (882, 19183), (917, 19309), (919, 19312), (929, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 174

Candidate Starts for Hamood_22:

(Start: 106 @17803 has 2 MA's), (Start: 174 @17878 has 18 MA's), (230, 17971), (237, 17986), (241, 17992), (274, 18067), (295, 18139), (348, 18250), (367, 18295), (375, 18313), (381, 18325), (465, 18496), (468, 18505), (470, 18511), (510, 18607), (535, 18658), (613, 18781), (628, 18820), (681, 18952), (722, 19066), (764, 19153), (814, 19267), (817, 19276), (864, 19381), (895, 19468), (929, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for Hamulus_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (375, 15292), (382, 15310), (384, 15313), (388, 15322), (396, 15340), (398, 15346), (425, 15421), (427, 15424), (493, 15472), (497, 15487), (499, 15493), (512, 15529), (513, 15532), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (752, 15988), (753, 15991), (765, 16027), (792, 16105), (820, 16204), (826, 16225), (843, 16258), (858, 16288), (864, 16318), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (883, 16375), (894, 16405), (899, 16417), (904, 16447), (916, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 144

Candidate Starts for HanKaySha_25:

(Start: 144 @19488 has 125 MA's), (Start: 205 @19572 has 48 MA's), (Start: 244 @19650 has 1 MA's), (279, 19737), (284, 19752), (300, 19800), (317, 19839), (359, 19926), (372, 19959), (388, 19995), (400, 20025), (402, 20031), (437, 20100), (495, 20130), (498, 20142), (499, 20145), (520, 20202), (589, 20334), (591, 20340), (614, 20406), (616, 20412), (625, 20436), (648, 20484), (662, 20508), (664, 20517), (688, 20592), (752, 20643), (758, 20658), (809, 20820), (817, 20847), (826, 20877), (868, 20982), (897, 21060), (904, 21096), (907, 21105), (916, 21138), (923, 21153),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 152

Candidate Starts for HanShotFirst_27:

(Start: 152 @21033 has 219 MA's), (Start: 173 @21054 has 4 MA's), (Start: 199 @21096 has 1 MA's), (223, 21141), (320, 21357), (347, 21402), (353, 21411), (391, 21501), (393, 21504), (430, 21597), (491, 21699), (514, 21768), (609, 21957), (613, 21969), (614, 21972), (622, 21993), (667, 22089), (668, 22092), (670, 22098), (696, 22167), (699, 22185), (701, 22194), (714, 22224), (753, 22320), (764, 22353), (769, 22368), (815, 22509), (837, 22566), (879, 22677),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Hanako_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 138

Candidate Starts for Hannaconda_31:

(Start: 138 @23714 has 76 MA's), (Start: 205 @23804 has 48 MA's), (207, 23807), (255, 23909), (279, 23975), (292, 24011), (301, 24041), (308, 24056), (347, 24140), (360, 24176), (372, 24203), (390, 24242), (402, 24275), (405, 24284), (427, 24341), (479, 24383), (515, 24458), (520, 24470), (550, 24530), (572, 24584), (589, 24614), (597, 24632), (602, 24641), (610, 24674), (614, 24686), (616, 24692), (631, 24731), (662, 24788), (758, 24938), (763, 24956), (778, 24998), (787, 25022), (788, 25025), (792, 25040), (800, 25070), (809, 25100), (826, 25157), (885, 25307), (919, 25427), (923, 25433),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 148

Candidate Starts for HannahD_19:

(76, 16527), (120, 16611), (Start: 148 @16647 has 18 MA's), (230, 16767), (268, 16851), (279, 16884), (289, 16917), (330, 17001), (415, 17202), (443, 17244), (466, 17280), (480, 17310), (490, 17334), (503, 17376), (513, 17403), (514, 17406), (565, 17460), (568, 17466), (609, 17553), (758, 17913), (765, 17937), (771, 17955), (815, 18051), (821, 18069), (881, 18228), (905, 18315), (913, 18342),

Gene: Hanray_29 Start: 21753, Stop: 23543, Start Num: 150

Candidate Starts for Hanray_29:

(Start: 148 @21750 has 18 MA's), (Start: 150 @21753 has 625 MA's), (283, 21987), (284, 21990), (319, 22062), (320, 22065), (330, 22080), (353, 22119), (355, 22125), (401, 22236), (445, 22323), (487, 22404), (491, 22407), (580, 22593), (608, 22656), (614, 22680), (616, 22686), (631, 22719), (668, 22800), (708, 22926), (726, 22968), (753, 23028), (764, 23061), (769, 23076), (801, 23175), (802, 23178), (805, 23190), (837, 23274), (864, 23340), (877, 23379), (879, 23385), (890, 23430), (907, 23487), (908, 23490),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 172

Candidate Starts for Hans_35:

(Start: 172 @29139 has 18 MA's), (182, 29151), (200, 29184), (Start: 205 @29193 has 48 MA's), (211, 29205), (230, 29235), (279, 29352), (283, 29364), (321, 29439), (355, 29499), (365, 29529), (468, 29736), (485, 29766), (501, 29811), (525, 29871), (581, 29919), (613, 29991), (626, 30024), (627, 30027), (650, 30066), (667, 30105), (695, 30192), (696, 30195), (721, 30273), (765, 30333), (792, 30378), (817, 30459), (840, 30513), (880, 30609), (916, 30738), (923, 30753),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 150

Candidate Starts for Happiness_27:

(Start: 130 @19809 has 8 MA's), (Start: 150 @19833 has 625 MA's), (Start: 199 @19890 has 1 MA's), (230, 19944), (237, 19959), (245, 19977), (279, 20061), (283, 20073), (284, 20076), (320, 20151), (330, 20166), (353, 20205), (401, 20322), (445, 20409), (487, 20490), (505, 20538), (514, 20562), (562, 20649), (587, 20694), (614, 20766), (622, 20787), (631, 20805), (699, 20979), (701, 20988), (708, 21012), (714, 21018), (722, 21042), (753, 21096), (761, 21117), (778, 21168), (787, 21192), (802, 21246), (837, 21342), (877, 21447), (880, 21462), (911, 21570), (916, 21588),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 205

Candidate Starts for Harella_23:

(Start: 144 @19878 has 125 MA's), (Start: 205 @19962 has 48 MA's), (Start: 244 @20040 has 1 MA's), (279, 20127), (284, 20142), (300, 20190), (317, 20229), (359, 20316), (372, 20349), (388, 20385), (400, 20415), (402, 20421), (437, 20490), (495, 20520), (498, 20532), (499, 20535), (520, 20592), (589, 20724), (591, 20730), (614, 20796), (616, 20802), (625, 20826), (648, 20874), (662, 20898), (664, 20907), (688, 20982), (752, 21033), (758, 21048), (809, 21210), (817, 21237), (826, 21267), (868, 21372), (897, 21450), (904, 21486), (907, 21495), (916, 21528), (923, 21543),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 181

Candidate Starts for Harlequin_23:

(Start: 168 @16284 has 10 MA's), (Start: 181 @16299 has 32 MA's), (Start: 205 @16341 has 48 MA's), (220, 16368), (241, 16404), (320, 16590), (383, 16719), (401, 16761), (410, 16788), (Start: 417 @16812 has 1 MA's), (430, 16830), (458, 16860), (465, 16875), (491, 16926), (520, 17010), (608, 17127), (614, 17151), (667, 17265), (682, 17313), (696, 17343), (704, 17382), (708, 17394), (743, 17424), (769, 17502), (831, 17649), (844, 17673), (860, 17709), (871, 17748), (923, 17916),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 139

Candidate Starts for Harley_16:

(Start: 139 @14800 has 218 MA's), (207, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (282, 15061), (284, 15067), (289, 15085), (300, 15115), (353, 15220), (375, 15280), (384, 15301), (388, 15310), (396, 15328), (398, 15334), (411, 15376), (425, 15409), (441, 15421), (467, 15436), (474, 15442), (493, 15460), (497, 15475), (499, 15481), (506, 15502), (512, 15517), (513, 15520), (516, 15532), (520, 15538), (543, 15586), (550, 15598), (554, 15604), (587, 15664), (592, 15676), (606, 15712), (609, 15724), (616, 15745), (645, 15799), (648, 15808), (660, 15826), (662, 15832), (751, 15967), (752, 15976), (753, 15979), (765, 16015), (779, 16054), (792, 16093), (820, 16192), (826, 16213), (843, 16246), (858, 16276), (864, 16306), (866, 16312), (867, 16315), (869, 16321), (878, 16336), (879, 16339), (882, 16360), (883, 16363), (899, 16405), (916, 16477), (917, 16483),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 150

Candidate Starts for HarryHoudini_30:

(Start: 130 @20649 has 8 MA's), (Start: 150 @20673 has 625 MA's), (Start: 244 @20808 has 1 MA's), (253, 20826), (283, 20907), (284, 20910), (319, 20982), (320, 20985), (353, 21039), (355, 21045), (381, 21108), (387, 21123), (401, 21156), (411, 21189), (445, 21243), (487, 21324), (491, 21327), (500, 21357), (580, 21513), (614, 21600), (668, 21720), (707, 21843), (708, 21846), (714, 21852), (743, 21900), (758, 21942), (764, 21963), (769, 21978), (771, 21984), (790, 22038), (801, 22077), (805, 22092), (817, 22125), (834, 22170), (877, 22281), (879, 22287), (882, 22305), (894, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 152

Candidate Starts for HarryOW_28:

(Start: 152 @21487 has 219 MA's), (Start: 173 @21508 has 4 MA's), (Start: 199 @21550 has 1 MA's), (223, 21595), (320, 21811), (347, 21856), (353, 21865), (367, 21904), (391, 21955), (393, 21958), (430, 22051), (491, 22153), (514, 22222), (613, 22423), (614, 22426), (622, 22447), (667, 22543), (668, 22546), (670, 22552), (696, 22621), (699, 22639), (701, 22648), (714, 22678), (753, 22774), (764, 22807), (769, 22822), (815, 22963), (837, 23020), (879, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 150

Candidate Starts for HashRod_30:

(Start: 150 @20466 has 625 MA's), (Start: 199 @20523 has 1 MA's), (208, 20538), (226, 20571), (237, 20592), (Start: 244 @20607 has 1 MA's), (279, 20694), (283, 20706), (284, 20709), (320, 20784), (330, 20799), (351, 20835), (402, 20958), (445, 21042), (500, 21156), (514, 21195), (562, 21282), (613, 21396), (622, 21420), (631, 21438), (668, 21519), (696, 21594), (699, 21612), (708, 21645), (714, 21651), (727, 21690), (752, 21744), (753, 21747), (761, 21768), (780, 21825), (837, 21993), (877, 22098), (879, 22104), (916, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 150

Candidate Starts for HaveUMetTed_30:

(Start: 150 @20453 has 625 MA's), (Start: 199 @20510 has 1 MA's), (208, 20525), (237, 20579), (Start: 244 @20594 has 1 MA's), (279, 20681), (283, 20693), (284, 20696), (320, 20771), (330, 20786), (445, 21029), (514, 21182), (562, 21269), (613, 21383), (622, 21407), (627, 21419), (631, 21425), (668, 21506), (696, 21581), (699, 21599), (701, 21608), (708, 21632), (714, 21638), (727, 21677), (752, 21731), (753, 21734), (761, 21755), (837, 21980), (877, 22085), (879, 22091), (916, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 150

Candidate Starts for Heathen_27:

(Start: 150 @19708 has 625 MA's), (Start: 199 @19768 has 1 MA's), (237, 19837), (279, 19939), (283, 19951), (284, 19954), (320, 20029), (330, 20044), (332, 20047), (353, 20083), (407, 20218), (445, 20287), (500, 20401), (562, 20527), (613, 20641), (622, 20665), (627, 20677), (631, 20683), (668, 20764), (696, 20839), (699, 20857), (701, 20866), (708, 20890), (714, 20896), (719, 20911), (740, 20953), (751, 20980), (752, 20989), (753, 20992), (761, 21013), (764, 21025), (837, 21238), (877, 21343), (879, 21349), (916, 21484),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 157

Candidate Starts for Hedwig_20:

(Start: 129 @16924 has 1 MA's), (Start: 157 @16954 has 7 MA's), (226, 17056), (249, 17107), (275, 17164), (289, 17215), (325, 17293), (330, 17299), (400, 17449), (466, 17572), (492, 17632), (503, 17668), (518, 17710), (565, 17752), (581, 17776), (596, 17806), (699, 18067), (736, 18142), (757, 18184), (771, 18229), (815, 18325), (816, 18328), (821, 18343), (881, 18502), (882, 18508), (908, 18595), (923, 18640),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 118

Candidate Starts for HedwigODU_23:

(Start: 118 @17157 has 149 MA's), (Start: 144 @17187 has 125 MA's), (245, 17346), (261, 17379), (274, 17409), (283, 17442), (287, 17454), (325, 17544), (351, 17586), (381, 17658), (385, 17667), (401, 17706), (415, 17751), (424, 17772), (426, 17775), (459, 17829), (467, 17847), (487, 17889), (492, 17895), (500, 17922), (589, 18060), (598, 18078), (609, 18120), (615, 18138), (628, 18168), (643, 18195), (685, 18300), (753, 18459), (765, 18495), (777, 18525), (786, 18534), (815, 18609), (834, 18660), (880, 18759), (907, 18855), (917, 18894), (919, 18897), (929, 18915),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 150

Candidate Starts for Heffalump_30:

(102, 21972), (Start: 130 @22014 has 8 MA's), (Start: 150 @22038 has 625 MA's), (283, 22272), (284, 22275), (319, 22347), (320, 22350), (353, 22404), (367, 22443), (387, 22488), (401, 22521), (445, 22608), (487, 22689), (491, 22692), (614, 22965), (668, 23085), (708, 23211), (743, 23265), (747, 23274), (753, 23295), (764, 23328), (769, 23343), (771, 23349), (790, 23403), (801, 23442), (805, 23457), (837, 23541), (879, 23652),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 121

Candidate Starts for Heftyboy_21:

(Start: 121 @17643 has 44 MA's), (Start: 127 @17649 has 1 MA's), (Start: 147 @17673 has 1 MA's), (Start: 181 @17706 has 32 MA's), (208, 17754), (237, 17808), (261, 17859), (283, 17922), (330, 18030), (381, 18138), (424, 18252), (426, 18255), (449, 18294), (459, 18309), (465, 18321), (467, 18327), (483, 18363), (487, 18369), (492, 18375), (504, 18414), (513, 18438), (589, 18540), (610, 18603), (627, 18648), (685, 18783), (719, 18882), (757, 18960), (764, 18984), (771, 19005), (785, 19023), (815, 19101), (817, 19107), (882, 19260), (912, 19365), (913, 19368), (917, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 139

Candidate Starts for Hegedechwinu_17:

(Start: 139 @14659 has 218 MA's), (207, 14746), (Start: 233 @14791 has 2 MA's), (242, 14815), (282, 14920), (284, 14926), (289, 14944), (300, 14974), (353, 15079), (375, 15139), (384, 15160), (388, 15169), (398, 15193), (493, 15319), (497, 15334), (499, 15340), (512, 15376), (513, 15379), (516, 15391), (520, 15397), (543, 15445), (550, 15457), (554, 15463), (587, 15523), (592, 15535), (606, 15571), (609, 15583), (645, 15658), (648, 15667), (660, 15685), (662, 15691), (670, 15721), (751, 15826), (752, 15835), (753, 15838), (765, 15874), (792, 15952), (820, 16051), (826, 16072), (843, 16105), (858, 16135), (864, 16165), (867, 16174), (869, 16180), (878, 16195), (879, 16198), (883, 16222), (894, 16252), (899, 16264), (904, 16294), (916, 16336),

Gene: Heinz_19 Start: 15040, Stop: 16656, Start Num: 163

Candidate Starts for Heinz_19:

(Start: 163 @15040 has 16 MA's), (226, 15139), (239, 15163), (283, 15274), (284, 15277), (290, 15295), (296, 15304), (333, 15370), (341, 15385), (346, 15394), (349, 15400), (389, 15490), (409, 15544), (411, 15553), (467, 15643), (489, 15685), (491, 15688), (505, 15733), (513, 15754), (567, 15811), (578, 15826), (581, 15832), (585, 15841), (594, 15859), (631, 15949), (641, 15964), (680, 16063), (687, 16081), (695, 16093), (703, 16132), (716, 16159), (757, 16207), (761, 16219), (764, 16231), (771, 16252), (777, 16264), (792, 16279), (802, 16309), (814, 16345), (880, 16498), (890, 16534), (907, 16594), (908, 16597), (914, 16618), (923, 16642),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 150

Candidate Starts for HelDan_27:

(Start: 150 @19960 has 625 MA's), (Start: 199 @20020 has 1 MA's), (237, 20089), (279, 20191), (283, 20203), (284, 20206), (320, 20281), (330, 20296), (332, 20299), (353, 20335), (407, 20470), (445, 20539), (500, 20653), (562, 20779), (613, 20893), (622, 20917), (627, 20929), (631, 20935), (668, 21016), (696, 21091), (699, 21109), (701, 21118), (708, 21142), (714, 21148), (719, 21163), (740, 21205), (751, 21232), (752, 21241), (753, 21244), (761, 21265), (764, 21277), (837, 21490), (877, 21595), (879, 21601), (916, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Heliosoles_29:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (608, 21369), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (719, 21660), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: Helmet_31 Start: 19977, Stop: 21749, Start Num: 150

Candidate Starts for Helmet_31:

(102, 19911), (Start: 130 @19953 has 8 MA's), (Start: 150 @19977 has 625 MA's), (284, 20214), (319, 20286), (320, 20289), (330, 20304), (353, 20343), (355, 20349), (401, 20460), (403, 20466), (415, 20505), (445, 20547), (467, 20586), (487, 20628), (491, 20631), (562, 20787), (624, 20928), (631, 20943), (714, 21156), (761, 21255), (769, 21282), (788, 21333), (790, 21342), (801, 21381), (802, 21384), (877, 21585), (879, 21591), (916, 21726),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 205

Candidate Starts for Henry_24:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 150

Candidate Starts for Herbertwm_25:

(102, 18729), (Start: 130 @18771 has 8 MA's), (Start: 150 @18795 has 625 MA's), (204, 18855), (Start: 244 @18930 has 1 MA's), (245, 18933), (253, 18948), (283, 19029), (284, 19032), (320, 19107), (330, 19122), (353, 19161), (381, 19230), (411, 19311), (445, 19365), (467, 19404), (487, 19446), (627, 19755), (753, 20070), (757, 20079), (769, 20118), (771, 20124), (778, 20142), (780, 20148), (801, 20217), (805, 20232), (868, 20394), (877, 20421), (916, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 150

Candidate Starts for Hercules11_29:

(Start: 150 @20386 has 625 MA's), (Start: 199 @20443 has 1 MA's), (208, 20458), (226, 20491), (237, 20512), (Start: 244 @20527 has 1 MA's), (279, 20614), (283, 20626), (284, 20629), (320, 20704), (330, 20719), (351, 20755), (445, 20962), (500, 21076), (514, 21115), (613, 21316), (622, 21340), (631, 21358), (668, 21439), (696, 21514), (699, 21532), (708, 21565), (714, 21571), (727, 21610), (752, 21664), (753, 21667), (761, 21688), (780, 21745), (837, 21913), (877, 22018), (879, 22024), (916, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 152

Candidate Starts for Hermia_30:

(Start: 152 @22615 has 219 MA's), (Start: 173 @22636 has 4 MA's), (Start: 199 @22678 has 1 MA's), (223, 22723), (320, 22939), (347, 22984), (353, 22993), (367, 23032), (391, 23083), (393, 23086), (491, 23281), (514, 23350), (613, 23551), (614, 23554), (622, 23575), (667, 23671), (668, 23674), (670, 23680), (696, 23749), (699, 23767), (701, 23776), (714, 23806), (753, 23902), (764, 23935), (769, 23950), (780, 23980), (815, 24091), (837, 24148), (879, 24259), (925, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 152

Candidate Starts for HermioneGrange_27:

(Start: 152 @21061 has 219 MA's), (Start: 173 @21082 has 4 MA's), (Start: 199 @21124 has 1 MA's), (223, 21169), (320, 21385), (347, 21430), (353, 21439), (391, 21529), (393, 21532), (430, 21625), (491, 21727), (514, 21796), (609, 21985), (613, 21997), (614, 22000), (622, 22021), (667, 22117), (668, 22120), (670, 22126), (696, 22195), (699, 22213), (701, 22222), (714, 22252), (753, 22348), (764, 22381), (769, 22396), (815, 22537), (837, 22594), (879, 22705),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for Herod_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (677, 18712), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 150

Candidate Starts for Hexamo_31:

(102, 19879), (Start: 130 @19921 has 8 MA's), (Start: 150 @19945 has 625 MA's), (284, 20182), (319, 20254), (320, 20257), (330, 20272), (353, 20311), (355, 20317), (401, 20428), (403, 20434), (415, 20473), (445, 20515), (467, 20554), (487, 20596), (491, 20599), (562, 20755), (624, 20896), (631, 20911), (714, 21124), (761, 21223), (769, 21250), (788, 21301), (790, 21310), (801, 21349), (805, 21364), (837, 21448), (877, 21553), (879, 21559), (916, 21694),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 150

Candidate Starts for Hexbug_20:

(120, 15746), (Start: 140 @15773 has 9 MA's), (Start: 150 @15776 has 625 MA's), (245, 15917), (283, 16016), (300, 16067), (315, 16094), (387, 16244), (400, 16274), (409, 16301), (415, 16322), (419, 16331), (430, 16346), (458, 16376), (462, 16388), (466, 16394), (467, 16397), (474, 16412), (500, 16481), (533, 16562), (582, 16604), (587, 16613), (596, 16631), (611, 16676), (649, 16760), (666, 16796), (667, 16799), (668, 16802), (673, 16817), (678, 16835), (699, 16892), (708, 16925), (765, 17021), (769, 17033), (771, 17039), (775, 17048), (786, 17060), (814, 17132), (815, 17135), (816, 17138), (821, 17153), (864, 17261), (867, 17270), (879, 17303), (880, 17312), (916, 17441), (923, 17456),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 163

Candidate Starts for Hibiscus_18:

(109, 14922), (Start: 163 @14988 has 16 MA's), (226, 15087), (239, 15111), (283, 15222), (284, 15225), (290, 15243), (296, 15252), (333, 15318), (341, 15333), (346, 15342), (349, 15348), (389, 15438), (409, 15492), (411, 15501), (467, 15591), (513, 15702), (578, 15774), (581, 15780), (585, 15789), (594, 15807), (631, 15897), (680, 16011), (687, 16029), (695, 16041), (703, 16080), (716, 16107), (757, 16155), (761, 16167), (764, 16179), (771, 16200), (777, 16212), (792, 16227), (802, 16257), (814, 16293), (880, 16446), (890, 16482), (907, 16542), (908, 16545), (914, 16566), (923, 16590),

Gene: Hidrated_39 Start: 29642, Stop: 31375, Start Num: 138

Candidate Starts for Hidrated_39:

(Start: 138 @29642 has 76 MA's), (Start: 205 @29732 has 48 MA's), (230, 29780), (292, 29939), (301, 29969), (347, 30068), (360, 30104), (362, 30110), (372, 30131), (402, 30203), (405, 30212), (411, 30233), (474, 30302), (499, 30341), (500, 30344), (505, 30359), (520, 30398), (543, 30446), (550, 30458), (554, 30464), (577, 30521), (589, 30542), (597, 30560), (612, 30608), (660, 30710), (680, 30782), (758, 30866), (762, 30878), (763, 30884), (767, 30896), (768, 30899), (781, 30938), (789, 30956), (799, 30992), (800, 30998), (826, 31085), (863, 31175), (880, 31217), (885, 31235), (895, 31265), (905, 31307), (923, 31361),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 144

Candidate Starts for Highbury_25:

(Start: 144 @19407 has 125 MA's), (Start: 205 @19491 has 48 MA's), (Start: 244 @19569 has 1 MA's), (279, 19656), (284, 19671), (300, 19719), (317, 19758), (359, 19845), (372, 19878), (388, 19914), (400, 19944), (402, 19950), (437, 20019), (495, 20049), (498, 20061), (499, 20064), (520, 20121), (589, 20253), (591, 20259), (614, 20325), (616, 20331), (625, 20355), (648, 20403), (662, 20427), (664, 20436), (688, 20511), (752, 20562), (758, 20577), (809, 20739), (817, 20766), (826, 20796), (868, 20901), (897, 20979), (904, 21015), (907, 21024), (916, 21057), (923, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 85

Candidate Starts for Hilltopfarm_24:

(Start: 85 @19638 has 5 MA's), (107, 19686), (114, 19695), (Start: 147 @19734 has 1 MA's), (Start: 181 @19764 has 32 MA's), (187, 19776), (208, 19812), (223, 19842), (230, 19851), (237, 19866), (261, 19917), (263, 19920), (297, 20019), (363, 20160), (387, 20211), (391, 20217), (405, 20256), (424, 20310), (467, 20379), (487, 20421), (501, 20457), (504, 20466), (545, 20544), (552, 20553), (570, 20583), (587, 20616), (589, 20619), (609, 20679), (617, 20703), (622, 20712), (659, 20781), (695, 20886), (696, 20889), (701, 20916), (796, 21099), (894, 21354), (917, 21444), (919, 21447), (921, 21450),

Gene: HippoHollow_29 Start: 21966, Stop: 23738, Start Num: 150

Candidate Starts for HippoHollow_29:

(Start: 130 @21942 has 8 MA's), (Start: 150 @21966 has 625 MA's), (226, 22065), (266, 22149), (283, 22200), (284, 22203), (319, 22275), (320, 22278), (353, 22332), (355, 22338), (367, 22371), (401, 22449), (445, 22536), (487, 22617), (491, 22620), (504, 22662), (580, 22806), (614, 22893), (631, 22932), (668, 23013), (708, 23139), (714, 23145), (743, 23193), (764, 23256), (769, 23271), (771, 23277), (781, 23307), (790, 23331), (801, 23370), (805, 23385), (837, 23469),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 150

Candidate Starts for HippoPololi_20:

(120, 16559), (Start: 150 @16592 has 625 MA's), (Start: 160 @16604 has 22 MA's), (230, 16706), (245, 16736), (330, 16940), (351, 16976), (367, 17018), (387, 17063), (430, 17165), (458, 17198), (462, 17210), (465, 17213), (490, 17270), (500, 17303), (505, 17318), (515, 17345), (533, 17384), (582, 17426), (587, 17435), (606, 17480), (613, 17504), (627, 17543), (673, 17639), (676, 17648), (678, 17657), (699, 17714), (703, 17732), (753, 17807), (769, 17855), (775, 17870), (786, 17882), (814, 17954), (815, 17957), (816, 17960), (817, 17963), (858, 18053), (864, 18080), (879, 18122),

(880, 18131), (882, 18140),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 181

Candidate Starts for Hiro_23:

(Start: 168 @16590 has 10 MA's), (Start: 181 @16605 has 32 MA's), (Start: 205 @16647 has 48 MA's), (220, 16674), (241, 16710), (298, 16851), (320, 16896), (383, 17025), (401, 17067), (407, 17085), (410, 17094), (Start: 417 @17118 has 1 MA's), (430, 17136), (458, 17166), (465, 17181), (466, 17184), (483, 17223), (491, 17232), (520, 17316), (580, 17370), (587, 17385), (608, 17433), (614, 17457), (667, 17571), (696, 17649), (704, 17688), (708, 17700), (715, 17709), (743, 17730), (769, 17808), (831, 17955), (871, 18054), (877, 18069), (923, 18222),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 177

Candidate Starts for Hitter_19:

(Start: 141 @16614 has 4 MA's), (Start: 177 @16650 has 46 MA's), (237, 16752), (273, 16830), (274, 16833), (316, 16929), (338, 16968), (367, 17028), (377, 17049), (400, 17103), (405, 17118), (459, 17214), (495, 17289), (504, 17319), (617, 17502), (627, 17526), (655, 17577), (687, 17670), (695, 17682), (705, 17727), (713, 17742), (765, 17874), (766, 17877), (810, 17976), (817, 17994), (837, 18045), (868, 18111), (889, 18174), (894, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 139

Candidate Starts for Hlubikazi_16:

(Start: 139 @14904 has 218 MA's), (207, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (282, 15165), (284, 15171), (289, 15189), (300, 15219), (353, 15324), (375, 15384), (384, 15405), (388, 15414), (398, 15438), (493, 15564), (497, 15579), (499, 15585), (512, 15621), (513, 15624), (516, 15636), (520, 15642), (543, 15690), (550, 15702), (554, 15708), (587, 15768), (592, 15780), (606, 15816), (609, 15828), (645, 15903), (648, 15912), (660, 15930), (662, 15936), (670, 15966), (751, 16071), (752, 16080), (753, 16083), (765, 16119), (792, 16197), (820, 16296), (826, 16317), (843, 16350), (858, 16380), (864, 16410), (867, 16419), (869, 16425), (878, 16440), (879, 16443), (883, 16467), (894, 16497), (899, 16509), (904, 16539), (916, 16581),

Gene: Horex_29 Start: 21753, Stop: 23543, Start Num: 150

Candidate Starts for Horex_29:

(Start: 148 @21750 has 18 MA's), (Start: 150 @21753 has 625 MA's), (283, 21987), (284, 21990), (319, 22062), (320, 22065), (330, 22080), (353, 22119), (355, 22125), (401, 22236), (445, 22323), (487, 22404), (491, 22407), (580, 22593), (608, 22656), (614, 22680), (616, 22686), (631, 22719), (668, 22800), (708, 22926), (726, 22968), (751, 23016), (753, 23028), (764, 23061), (769, 23076), (801, 23175), (802, 23178), (805, 23190), (837, 23274), (864, 23340), (877, 23379), (879, 23385), (890, 23430), (907, 23487), (908, 23490),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 150

Candidate Starts for Holli_27:

(Start: 130 @19593 has 8 MA's), (Start: 150 @19617 has 625 MA's), (Start: 199 @19674 has 1 MA's), (230, 19728), (237, 19743), (245, 19761), (279, 19845), (283, 19857), (284, 19860), (320, 19935), (330, 19950), (353, 19989), (401, 20106), (445, 20193), (487, 20274), (505, 20322), (514, 20346), (562, 20433), (587, 20478), (614, 20550), (622, 20571), (631, 20589), (668, 20670), (699, 20763), (701, 20772), (708, 20796), (714, 20802), (722, 20826), (753, 20880), (761, 20901), (778, 20952), (787, 20976), (802, 21030), (837, 21126), (877, 21231), (880, 21246), (911, 21354), (916, 21372),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 150

Candidate Starts for Holliday_20:

(120, 16382), (Start: 150 @16421 has 625 MA's), (Start: 160 @16433 has 22 MA's), (191, 16472), (213, 16511), (226, 16532), (249, 16580), (255, 16589), (273, 16631), (283, 16667), (305, 16724), (330, 16772), (345, 16799), (405, 16940), (430, 16997), (443, 17015), (455, 17024), (458, 17030),

(480, 17078), (492, 17108), (503, 17144), (505, 17150), (513, 17171), (514, 17174), (540, 17225), (581, 17252), (582, 17255), (596, 17282), (606, 17309), (633, 17381), (659, 17420), (677, 17474), (695, 17516), (720, 17591), (757, 17654), (765, 17681), (766, 17684), (771, 17699), (810, 17783), (814, 17792), (815, 17795), (817, 17801), (821, 17813), (822, 17816), (835, 17846), (838, 17852), (852, 17873), (853, 17876), (868, 17930), (879, 17960), (880, 17969), (896, 18020), (904, 18053), (908, 18065), (913, 18083),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 144

Candidate Starts for Holt_25:

(Start: 144 @19026 has 125 MA's), (Start: 205 @19110 has 48 MA's), (Start: 244 @19188 has 1 MA's), (279, 19275), (284, 19290), (300, 19338), (317, 19377), (359, 19464), (372, 19497), (388, 19533), (400, 19563), (402, 19569), (437, 19638), (495, 19668), (498, 19680), (499, 19683), (520, 19740), (589, 19872), (591, 19878), (614, 19944), (616, 19950), (625, 19974), (648, 20022), (662, 20046), (664, 20055), (688, 20130), (752, 20181), (758, 20196), (809, 20358), (817, 20385), (826, 20415), (868, 20520), (897, 20598), (904, 20634), (907, 20643), (916, 20676), (923, 20691),

Gene: HomeFry_47 Start: 29293, Stop: 30912, Start Num: 162

Candidate Starts for HomeFry_47:

(Start: 162 @29293 has 92 MA's), (Start: 177 @29308 has 46 MA's), (201, 29347), (237, 29407), (241, 29413), (363, 29674), (398, 29740), (403, 29755), (461, 29866), (477, 29899), (501, 29956), (511, 29986), (517, 30004), (603, 30133), (648, 30220), (666, 30268), (667, 30271), (701, 30376), (706, 30394), (733, 30430), (797, 30541), (821, 30616), (886, 30769), (902, 30823), (904, 30835), (908, 30847), (923, 30892),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 152

Candidate Starts for Homines_27:

(Start: 152 @21386 has 219 MA's), (Start: 173 @21407 has 4 MA's), (Start: 199 @21449 has 1 MA's), (223, 21494), (320, 21710), (347, 21755), (353, 21764), (367, 21803), (391, 21854), (393, 21857), (430, 21950), (491, 22052), (514, 22121), (613, 22322), (614, 22325), (622, 22346), (667, 22442), (668, 22445), (670, 22451), (696, 22520), (699, 22538), (701, 22547), (714, 22577), (753, 22673), (764, 22706), (769, 22721), (815, 22862), (837, 22919), (879, 23030), (925, 23183),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Homura_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 150

Candidate Starts for Hookmount_28:

(Start: 150 @20456 has 625 MA's), (Start: 199 @20516 has 1 MA's), (237, 20585), (279, 20687), (283, 20699), (284, 20702), (320, 20777), (330, 20792), (353, 20831), (407, 20966), (445, 21035), (500, 21149), (562, 21275), (613, 21389), (622, 21413), (627, 21425), (631, 21431), (668, 21512), (696, 21587), (699, 21605), (701, 21614), (708, 21638), (714, 21644), (719, 21659), (734, 21692), (752, 21737), (753, 21740), (761, 21761), (802, 21890), (837, 21986), (877, 22091), (879, 22097), (916, 22232),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 144

Candidate Starts for Hoonter_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 150

Candidate Starts for Hoot_31:

(102, 19889), (Start: 130 @19931 has 8 MA's), (Start: 150 @19955 has 625 MA's), (273, 20153), (284, 20192), (319, 20264), (320, 20267), (332, 20285), (353, 20321), (355, 20327), (401, 20438), (403, 20444), (415, 20483), (445, 20525), (467, 20564), (487, 20606), (491, 20609), (509, 20669), (624, 20906), (631, 20921), (668, 21002), (714, 21134), (769, 21260), (788, 21311), (790, 21320), (801, 21359), (802, 21362), (805, 21374), (837, 21458), (877, 21563), (879, 21569), (916, 21704),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Hope_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 152

Candidate Starts for Hope4ever_27:

(Start: 152 @21502 has 219 MA's), (Start: 173 @21523 has 4 MA's), (Start: 199 @21565 has 1 MA's), (223, 21610), (320, 21826), (347, 21871), (353, 21880), (367, 21919), (391, 21970), (393, 21973), (430, 22066), (491, 22168), (514, 22237), (609, 22426), (613, 22438), (614, 22441), (622, 22462), (667, 22558), (668, 22561), (670, 22567), (696, 22636), (699, 22654), (701, 22663), (714, 22693), (753, 22789), (764, 22822), (769, 22837), (815, 22978), (837, 23035), (879, 23146),

Gene: Hokey_26 Start: 20107, Stop: 21702, Start Num: 205

Candidate Starts for Hokey_26:

(Start: 144 @20023 has 125 MA's), (Start: 205 @20107 has 48 MA's), (Start: 244 @20185 has 1 MA's), (279, 20272), (284, 20287), (300, 20335), (317, 20374), (359, 20461), (372, 20494), (388, 20530), (400, 20560), (402, 20566), (437, 20635), (495, 20665), (498, 20677), (499, 20680), (520, 20737), (589, 20869), (591, 20875), (614, 20941), (616, 20947), (625, 20971), (648, 21019), (662, 21043), (664, 21052), (688, 21127), (752, 21178), (758, 21193), (809, 21355), (817, 21382), (826, 21412), (868, 21517), (897, 21595), (904, 21631), (907, 21640), (916, 21673), (923, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 150

Candidate Starts for Horseradish_19:

(120, 15246), (Start: 140 @15273 has 9 MA's), (Start: 150 @15276 has 625 MA's), (274, 15486), (347, 15654), (351, 15660), (397, 15768), (409, 15804), (419, 15834), (430, 15849), (458, 15882), (462, 15894), (480, 15930), (500, 15987), (504, 15999), (587, 16119), (597, 16140), (606, 16164), (668, 16314), (673, 16329), (678, 16347), (699, 16404), (765, 16533), (769, 16545), (777, 16563), (786, 16572), (814, 16644), (815, 16647), (817, 16653), (821, 16665), (864, 16770), (867, 16779), (879, 16812), (913, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 162

Candidate Starts for Hortense_20:

(87, 17785), (Start: 162 @17902 has 92 MA's), (312, 18160), (323, 18181), (355, 18235), (368, 18274), (396, 18331), (403, 18352), (526, 18523), (534, 18541), (552, 18565), (575, 18586), (603, 18628), (631, 18709), (667, 18799), (685, 18850), (700, 18901), (701, 18904), (722, 18958), (770, 19048), (880, 19327), (882, 19336), (891, 19366),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 148

Candidate Starts for HortumSL17_30:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (727, 22967), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 150

Candidate Starts for Horus_20:

(120, 16395), (Start: 150 @16434 has 625 MA's), (Start: 160 @16446 has 22 MA's), (Start: 163 @16449 has 16 MA's), (191, 16485), (213, 16524), (226, 16545), (247, 16587), (249, 16593), (252, 16596), (259, 16608), (273, 16644), (283, 16680), (305, 16737), (330, 16785), (345, 16812), (391, 16914), (405, 16953), (430, 17010), (443, 17028), (455, 17037), (458, 17043), (480, 17091), (492, 17121), (503, 17157), (505, 17163), (513, 17184), (514, 17187), (540, 17238), (581, 17265), (582, 17268), (596, 17295), (606, 17322), (633, 17394), (659, 17433), (677, 17487), (701, 17559), (720, 17604), (765, 17694), (771, 17712), (810, 17796), (814, 17805), (815, 17808), (817, 17814), (822, 17829), (835, 17859), (838, 17865), (852, 17886), (853, 17889), (868, 17943), (879, 17973), (880, 17982), (896, 18033), (904, 18066), (908, 18078), (913, 18096),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Hotshotbaby7_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 150

Candidate Starts for Houdini22_27:

(Start: 130 @19807 has 8 MA's), (Start: 150 @19831 has 625 MA's), (Start: 199 @19888 has 1 MA's), (230, 19942), (237, 19957), (245, 19975), (279, 20059), (283, 20071), (284, 20074), (320, 20149), (330, 20164), (353, 20203), (401, 20320), (445, 20407), (487, 20488), (505, 20536), (514, 20560), (562, 20647), (587, 20692), (614, 20764), (622, 20785), (631, 20803), (668, 20884), (699, 20977), (701, 20986), (708, 21010), (714, 21016), (722, 21040), (753, 21094), (761, 21115), (778, 21166), (787, 21190), (802, 21244), (837, 21340), (877, 21445), (880, 21460), (911, 21568), (916, 21586),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 162

Candidate Starts for Howe_20:

(87, 17785), (Start: 162 @17902 has 92 MA's), (312, 18160), (323, 18181), (355, 18235), (368, 18274), (396, 18331), (403, 18352), (526, 18523), (534, 18541), (552, 18565), (575, 18586), (603, 18628), (631, 18709), (667, 18799), (685, 18850), (700, 18901), (701, 18904), (722, 18958), (770, 19048), (880, 19327), (882, 19336), (891, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 162

Candidate Starts for HubbaBubba_39:

(Start: 162 @26578 has 92 MA's), (Start: 171 @26587 has 1 MA's), (Start: 174 @26590 has 18 MA's), (Start: 190 @26614 has 1 MA's), (237, 26692), (320, 26875), (355, 26932), (358, 26944), (363, 26959), (398, 27025), (403, 27040), (412, 27064), (461, 27151), (464, 27157), (475, 27181), (501, 27241), (511, 27271), (519, 27292), (596, 27397), (603, 27418), (648, 27505), (666, 27553), (706, 27679), (733, 27715), (814, 27880), (820, 27898), (834, 27934), (902, 28108), (904, 28120), (923, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 205

Candidate Starts for HufflyPuff_23:

(Start: 144 @19730 has 125 MA's), (Start: 205 @19814 has 48 MA's), (Start: 244 @19892 has 1 MA's), (279, 19979), (284, 19994), (300, 20042), (317, 20081), (359, 20168), (372, 20201), (388, 20237), (400, 20267), (402, 20273), (437, 20342), (495, 20372), (498, 20384), (499, 20387), (520, 20444), (589, 20576), (591, 20582), (614, 20648), (616, 20654), (625, 20678), (648, 20726), (662, 20750), (664, 20759), (688, 20834), (752, 20885), (758, 20900), (809, 21062), (817, 21089), (826, 21119), (868, 21224), (897, 21302), (904, 21338), (907, 21347), (916, 21380), (923, 21395),

Gene: Huffly_24 Start: 16702, Stop: 18030, Start Num: 267

Candidate Starts for Huffly_24:

(Start: 267 @16702 has 11 MA's), (276, 16717), (331, 16831), (350, 16861), (367, 16906), (387, 16951), (409, 17008), (414, 17026), (Start: 417 @17035 has 1 MA's), (429, 17059), (431, 17065), (432, 17068), (465, 17119), (472, 17131), (539, 17173), (583, 17224), (588, 17233), (600, 17242), (614, 17287), (667, 17398), (681, 17443), (703, 17512), (717, 17533), (766, 17614), (785, 17647), (821, 17734), (837, 17770), (847, 17785), (851, 17794), (868, 17836), (898, 17929), (901, 17947), (916, 18004), (920, 18013),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 138

Candidate Starts for Hughesyang_35:

(Start: 138 @27496 has 76 MA's), (Start: 205 @27586 has 48 MA's), (230, 27634), (242, 27664), (255, 27691), (292, 27793), (301, 27823), (347, 27922), (360, 27958), (362, 27964), (372, 27985), (402, 28057), (405, 28066), (411, 28087), (474, 28156), (499, 28195), (500, 28198), (505, 28213), (520, 28252), (543, 28300), (550, 28312), (554, 28318), (572, 28366), (577, 28375), (589, 28396), (597, 28414), (612, 28462), (660, 28564), (676, 28624), (680, 28636), (758, 28720), (762, 28732), (763, 28738), (767, 28750), (768, 28753), (781, 28792), (789, 28810), (799, 28846), (800, 28852), (826, 28939), (863, 29029), (880, 29071), (885, 29089), (895, 29119), (905, 29161), (923, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for Hugley_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (677, 18712), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 150

Candidate Starts for HuhtaEnerson15_24:

(Start: 150 @19658 has 625 MA's), (230, 19763), (245, 19796), (284, 19895), (320, 19970), (330, 19985), (351, 20021), (381, 20093), (387, 20108), (403, 20147), (411, 20174), (419, 20195), (453, 20234), (509, 20372), (513, 20378), (609, 20570), (610, 20573), (613, 20582), (631, 20624), (640, 20642), (667, 20702), (668, 20705), (699, 20798), (701, 20807), (708, 20831), (752, 20939), (764, 20975), (837, 21185), (876, 21287), (879, 21296), (910, 21410), (916, 21431), (919, 21440),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 118

Candidate Starts for Hurricane_22:

(Start: 112 @17578 has 26 MA's), (Start: 118 @17587 has 149 MA's), (206, 17689), (237, 17746), (261, 17797), (274, 17827), (280, 17851), (381, 18082), (385, 18091), (391, 18103), (424, 18196),

(426, 18199), (467, 18271), (470, 18280), (487, 18313), (492, 18319), (504, 18358), (516, 18394), (589, 18484), (610, 18547), (651, 18634), (685, 18727), (707, 18802), (769, 18931), (785, 18955), (799, 18982), (817, 19039), (834, 19084), (880, 19186), (888, 19213), (904, 19273), (907, 19282), (913, 19303), (917, 19321), (921, 19327), (929, 19342),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Hutc2_28:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (375, 21175), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: Huxley_27 Start: 19891, Stop: 21669, Start Num: 150

Candidate Starts for Huxley_27:

(Start: 130 @19867 has 8 MA's), (Start: 150 @19891 has 625 MA's), (Start: 199 @19948 has 1 MA's), (230, 20002), (237, 20017), (245, 20035), (279, 20119), (283, 20131), (284, 20134), (320, 20209), (330, 20224), (353, 20263), (401, 20380), (445, 20467), (487, 20548), (505, 20596), (514, 20620), (562, 20707), (587, 20752), (614, 20824), (622, 20845), (631, 20863), (668, 20944), (699, 21037), (701, 21046), (708, 21070), (714, 21076), (722, 21100), (753, 21154), (761, 21175), (778, 21226), (787, 21250), (837, 21400), (877, 21505), (880, 21520), (911, 21628), (916, 21646),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Hyperbowlee_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 162

Candidate Starts for Hyzer_19:

(63, 17634), (Start: 162 @17835 has 92 MA's), (312, 18093), (320, 18111), (323, 18114), (355, 18168), (386, 18243), (411, 18312), (414, 18321), (419, 18333), (446, 18384), (462, 18411), (467, 18420), (468, 18423), (526, 18456), (568, 18513), (603, 18579), (646, 18690), (659, 18714), (667, 18750), (700, 18852), (770, 18999), (868, 19239), (891, 19317),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for ICleared_27:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 162

Candidate Starts for IDyn_42:

(Start: 162 @27974 has 92 MA's), (Start: 174 @27986 has 18 MA's), (Start: 190 @28010 has 1 MA's), (237, 28088), (320, 28271), (355, 28328), (358, 28340), (363, 28355), (398, 28421), (403, 28436),

(412, 28460), (461, 28547), (464, 28553), (475, 28577), (501, 28637), (511, 28667), (519, 28688), (596, 28793), (603, 28814), (648, 28901), (666, 28949), (706, 29075), (733, 29111), (814, 29276), (820, 29294), (834, 29330), (902, 29504), (904, 29516), (923, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 205

Candidate Starts for IHOP_24:

(Start: 144 @19922 has 125 MA's), (Start: 205 @20006 has 48 MA's), (Start: 244 @20084 has 1 MA's), (279, 20171), (284, 20186), (300, 20234), (317, 20273), (359, 20360), (372, 20393), (388, 20429), (400, 20459), (402, 20465), (437, 20534), (495, 20564), (498, 20576), (499, 20579), (520, 20636), (589, 20768), (591, 20774), (614, 20840), (616, 20846), (625, 20870), (648, 20918), (662, 20942), (664, 20951), (688, 21026), (752, 21077), (758, 21092), (809, 21254), (817, 21281), (826, 21311), (868, 21416), (897, 21494), (904, 21530), (907, 21539), (916, 21572), (923, 21587),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 152

Candidate Starts for ILeeKay_29:

(Start: 152 @21266 has 219 MA's), (Start: 173 @21287 has 4 MA's), (Start: 199 @21329 has 1 MA's), (223, 21374), (320, 21590), (347, 21635), (353, 21644), (367, 21683), (391, 21734), (393, 21737), (491, 21932), (514, 22001), (613, 22202), (614, 22205), (622, 22226), (667, 22322), (668, 22325), (670, 22331), (696, 22400), (699, 22418), (701, 22427), (714, 22457), (753, 22553), (764, 22586), (769, 22601), (815, 22742), (837, 22799), (879, 22910),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 139

Candidate Starts for IMpilo_16:

(Start: 139 @14837 has 218 MA's), (207, 14924), (Start: 233 @14969 has 2 MA's), (242, 14993), (282, 15098), (284, 15104), (289, 15122), (300, 15152), (353, 15257), (375, 15317), (379, 15326), (382, 15335), (384, 15338), (388, 15347), (398, 15371), (425, 15446), (493, 15497), (497, 15512), (499, 15518), (512, 15554), (513, 15557), (516, 15569), (520, 15575), (543, 15623), (550, 15635), (554, 15641), (587, 15701), (592, 15713), (606, 15749), (609, 15761), (645, 15836), (648, 15845), (660, 15863), (662, 15869), (670, 15899), (751, 16004), (752, 16013), (753, 16016), (765, 16052), (792, 16130), (820, 16229), (826, 16250), (843, 16283), (858, 16313), (864, 16343), (867, 16352), (869, 16358), (878, 16373), (879, 16376), (883, 16400), (894, 16430), (899, 16442), (904, 16472), (916, 16514),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for IbOuu_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (371, 15279), (375, 15285), (379, 15294), (384, 15306), (388, 15315), (398, 15339), (493, 15465), (497, 15480), (499, 15486), (512, 15522), (516, 15537), (520, 15543), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (645, 15804), (648, 15813), (660, 15831), (662, 15837), (670, 15867), (751, 15972), (752, 15981), (753, 15984), (765, 16020), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (882, 16365), (883, 16368), (899, 16410), (904, 16440), (916, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 139

Candidate Starts for Ibhubesi_16:

(Start: 139 @14800 has 218 MA's), (207, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (282, 15061), (284, 15067), (289, 15085), (300, 15115), (353, 15220), (375, 15280), (384, 15301), (388, 15310), (396, 15328), (398, 15334), (411, 15376), (425, 15409), (441, 15421), (467, 15436), (474, 15442), (493, 15460), (497, 15475), (499, 15481), (506, 15502), (512, 15517), (513, 15520), (516, 15532), (520, 15538), (543, 15586), (550, 15598), (554, 15604), (587, 15664), (592, 15676), (606, 15712), (609, 15724), (616, 15745), (645, 15799), (648, 15808), (660, 15826), (662, 15832), (751, 15967), (752, 15976), (753, 15979), (765, 16015), (779, 16054), (792, 16093), (820, 16192), (826,

16213), (843, 16246), (858, 16276), (864, 16306), (866, 16312), (867, 16315), (869, 16321), (878, 16336), (879, 16339), (882, 16360), (883, 16363), (899, 16405), (916, 16477), (917, 16483),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 205

Candidate Starts for Icee_23:

(Start: 144 @19405 has 125 MA's), (Start: 205 @19489 has 48 MA's), (Start: 244 @19567 has 1 MA's), (279, 19654), (284, 19669), (300, 19717), (317, 19756), (359, 19843), (372, 19876), (388, 19912), (400, 19942), (402, 19948), (437, 20017), (495, 20047), (498, 20059), (499, 20062), (520, 20119), (589, 20251), (591, 20257), (614, 20323), (616, 20329), (625, 20353), (648, 20401), (662, 20425), (664, 20434), (688, 20509), (752, 20560), (758, 20575), (809, 20737), (817, 20764), (826, 20794), (868, 20899), (897, 20977), (904, 21013), (907, 21022), (916, 21055), (923, 21070),

Gene: Iceman_28 Start: 20116, Stop: 21894, Start Num: 150

Candidate Starts for Iceman_28:

(Start: 130 @20092 has 8 MA's), (Start: 150 @20116 has 625 MA's), (Start: 199 @20173 has 1 MA's), (230, 20227), (237, 20242), (245, 20260), (279, 20344), (283, 20356), (284, 20359), (320, 20434), (330, 20449), (353, 20488), (401, 20605), (445, 20692), (487, 20773), (505, 20821), (514, 20845), (562, 20932), (587, 20977), (614, 21049), (622, 21070), (631, 21088), (668, 21169), (699, 21262), (701, 21271), (708, 21295), (714, 21301), (722, 21325), (753, 21379), (761, 21400), (778, 21451), (787, 21475), (802, 21529), (837, 21625), (877, 21730), (880, 21745), (911, 21853), (916, 21871),

Gene: Ichabod_28 Start: 21290, Stop: 23092, Start Num: 152

Candidate Starts for Ichabod_28:

(Start: 152 @21290 has 219 MA's), (Start: 173 @21311 has 4 MA's), (Start: 199 @21353 has 1 MA's), (223, 21398), (320, 21614), (347, 21659), (353, 21668), (367, 21707), (391, 21758), (393, 21761), (491, 21956), (514, 22025), (613, 22226), (614, 22229), (622, 22250), (667, 22346), (668, 22349), (670, 22355), (696, 22424), (699, 22442), (701, 22451), (714, 22481), (753, 22577), (764, 22610), (769, 22625), (815, 22766), (837, 22823), (879, 22934),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 116

Candidate Starts for IdentityCrisis_17:

(Start: 116 @14307 has 3 MA's), (Start: 177 @14379 has 46 MA's), (222, 14460), (237, 14484), (255, 14526), (310, 14628), (320, 14652), (332, 14670), (391, 14805), (405, 14844), (452, 14949), (466, 14979), (488, 15027), (609, 15243), (667, 15375), (699, 15471), (718, 15522), (769, 15648), (771, 15654), (814, 15747), (815, 15750), (875, 15897), (879, 15912), (914, 16041), (916, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 121

Candidate Starts for Idergollasper_56:

(Start: 115 @33466 has 20 MA's), (Start: 121 @33475 has 44 MA's), (191, 33565), (248, 33682), (266, 33718), (275, 33739), (282, 33766), (284, 33772), (302, 33826), (327, 33877), (388, 34015), (392, 34021), (409, 34072), (410, 34075), (415, 34093), (493, 34144), (499, 34165), (500, 34168), (516, 34216), (520, 34222), (543, 34270), (544, 34276), (550, 34282), (573, 34342), (587, 34366), (589, 34369), (606, 34414), (610, 34429), (613, 34438), (616, 34447), (634, 34492), (648, 34510), (664, 34543), (753, 34681), (761, 34702), (782, 34768), (793, 34798), (807, 34852), (820, 34894), (826, 34915), (836, 34936), (843, 34948), (855, 34969), (869, 35023), (897, 35101), (904, 35137), (910, 35158), (917, 35185),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for Idleandcovert_27:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500, 20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753,

21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 173

Candidate Starts for IgnatiusPatJac_26:

(Start: 152 @21114 has 219 MA's), (Start: 173 @21135 has 4 MA's), (Start: 199 @21177 has 1 MA's), (223, 21222), (320, 21438), (347, 21483), (353, 21492), (391, 21582), (393, 21585), (430, 21678), (491, 21780), (514, 21849), (613, 22050), (614, 22053), (622, 22074), (667, 22170), (668, 22173), (670, 22179), (696, 22248), (699, 22266), (701, 22275), (714, 22305), (753, 22401), (764, 22434), (769, 22449), (815, 22590), (837, 22647), (879, 22758),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Illumine_23:

(Start: 118 @17171 has 149 MA's), (Start: 144 @17201 has 125 MA's), (245, 17360), (261, 17393), (274, 17423), (283, 17456), (287, 17468), (325, 17558), (347, 17594), (351, 17600), (381, 17672), (385, 17681), (401, 17720), (415, 17765), (416, 17768), (424, 17786), (426, 17789), (467, 17861), (487, 17903), (492, 17909), (500, 17936), (513, 17972), (548, 18029), (589, 18074), (598, 18092), (615, 18152), (628, 18182), (643, 18209), (685, 18314), (716, 18404), (753, 18473), (765, 18509), (777, 18539), (786, 18548), (815, 18623), (834, 18674), (880, 18773), (897, 18824), (917, 18908), (919, 18911), (929, 18929),

Gene: Imara_54 Start: 33275, Stop: 35011, Start Num: 121

Candidate Starts for Imara_54:

(Start: 115 @33266 has 20 MA's), (Start: 121 @33275 has 44 MA's), (191, 33365), (248, 33482), (266, 33518), (275, 33539), (282, 33566), (284, 33572), (302, 33626), (327, 33677), (388, 33815), (392, 33821), (409, 33872), (410, 33875), (415, 33893), (493, 33944), (499, 33965), (500, 33968), (516, 34016), (520, 34022), (543, 34070), (544, 34076), (550, 34082), (573, 34142), (587, 34166), (589, 34169), (606, 34214), (610, 34229), (613, 34238), (616, 34247), (634, 34292), (648, 34310), (664, 34343), (753, 34481), (761, 34502), (782, 34568), (793, 34598), (807, 34652), (820, 34694), (826, 34715), (836, 34736), (843, 34748), (855, 34769), (869, 34823), (897, 34901), (904, 34937), (910, 34958), (917, 34985),

Gene: Impisi_19 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Impisi_19:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 205

Candidate Starts for Inca_23:

(Start: 144 @18425 has 125 MA's), (Start: 205 @18509 has 48 MA's), (Start: 244 @18587 has 1 MA's), (279, 18674), (284, 18689), (300, 18737), (317, 18776), (359, 18863), (372, 18896), (388, 18932), (400, 18962), (402, 18968), (437, 19037), (495, 19067), (498, 19079), (499, 19082), (520, 19139), (589, 19271), (591, 19277), (614, 19343), (616, 19349), (625, 19373), (648, 19421), (662, 19445), (664, 19454), (688, 19529), (752, 19580), (758, 19595), (809, 19757), (817, 19784), (826, 19814), (868, 19919), (897, 19997), (904, 20033), (907, 20042), (916, 20075), (923, 20090),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 150

Candidate Starts for Indra_31:

(102, 19912), (Start: 130 @19954 has 8 MA's), (Start: 150 @19978 has 625 MA's), (284, 20215), (319, 20287), (320, 20290), (330, 20305), (353, 20344), (355, 20350), (401, 20461), (403, 20467), (415, 20506), (445, 20548), (467, 20587), (487, 20629), (491, 20632), (562, 20788), (624, 20929), (631, 20944), (714, 21157), (761, 21256), (769, 21283), (788, 21334), (790, 21343), (801, 21382), (802, 21385), (877, 21586), (879, 21592), (916, 21727),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Inky_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 150

Candidate Starts for Insomnia_28:

(102, 20741), (Start: 130 @20783 has 8 MA's), (Start: 150 @20807 has 625 MA's), (Start: 193 @20849 has 3 MA's), (245, 20945), (253, 20960), (283, 21041), (284, 21044), (320, 21119), (330, 21134), (353, 21173), (355, 21179), (375, 21230), (401, 21290), (403, 21296), (445, 21377), (491, 21461), (541, 21587), (552, 21605), (568, 21632), (631, 21773), (664, 21839), (667, 21851), (668, 21854), (734, 22043), (747, 22070), (751, 22079), (757, 22100), (758, 22103), (764, 22124), (769, 22139), (778, 22163), (801, 22238), (805, 22253), (837, 22337), (877, 22442), (879, 22448), (894, 22502), (925, 22601),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 172

Candidate Starts for Inspectinfecti_34:

(Start: 172 @29501 has 18 MA's), (182, 29513), (200, 29546), (Start: 205 @29555 has 48 MA's), (211, 29567), (230, 29597), (279, 29714), (283, 29726), (321, 29801), (355, 29861), (365, 29891), (468, 30098), (485, 30128), (501, 30173), (525, 30233), (581, 30281), (613, 30353), (626, 30386), (627, 30389), (650, 30428), (667, 30467), (695, 30554), (696, 30557), (721, 30635), (765, 30695), (792, 30740), (817, 30821), (840, 30875), (880, 30971), (916, 31100), (923, 31115),

Gene: Invectra_20 Start: 17703, Stop: 19283, Start Num: 162

Candidate Starts for Invectra_20:

(11, 16926), (22, 17082), (42, 17313), (44, 17316), (53, 17400), (54, 17406), (61, 17481), (66, 17532), (87, 17586), (Start: 162 @17703 has 92 MA's), (275, 17874), (312, 17961), (320, 17979), (323, 17982), (355, 18036), (368, 18075), (396, 18132), (403, 18153), (526, 18324), (534, 18342), (552, 18366), (575, 18387), (603, 18429), (631, 18510), (667, 18600), (700, 18702), (701, 18705), (722, 18759), (799, 18897), (851, 19029), (880, 19128), (882, 19137), (891, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 139

Candidate Starts for Inventum_16:

(Start: 139 @14940 has 218 MA's), (207, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (282, 15201), (284, 15207), (289, 15225), (300, 15255), (353, 15360), (375, 15420), (384, 15441), (388, 15450), (398, 15474), (493, 15600), (497, 15615), (499, 15621), (512, 15657), (513, 15660), (516, 15672), (520, 15678), (543, 15726), (550, 15738), (554, 15744), (587, 15804), (592, 15816), (606, 15852), (609, 15864), (645, 15939), (648, 15948), (660, 15966), (662, 15972), (670, 16002), (751, 16107), (753, 16119), (765, 16155), (792, 16233), (820, 16332), (826, 16353), (843, 16386), (858, 16416), (864, 16446), (867, 16455), (869, 16461), (878, 16476), (879, 16479), (882, 16500), (883, 16503), (899, 16545), (904, 16575), (916, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 121

Candidate Starts for InvictusManeo_21:

(Start: 121 @17595 has 44 MA's), (Start: 127 @17601 has 1 MA's), (Start: 147 @17625 has 1 MA's), (Start: 181 @17658 has 32 MA's), (208, 17706), (237, 17760), (261, 17811), (283, 17874), (330, 17982), (381, 18090), (424, 18204), (426, 18207), (449, 18246), (459, 18261), (465, 18273), (467, 18279), (483, 18315), (487, 18321), (492, 18327), (504, 18366), (513, 18390), (589, 18492), (610, 18555), (685, 18735), (719, 18834), (757, 18912), (764, 18936), (766, 18942), (785, 18975), (815, 19053), (817, 19059), (882, 19212), (912, 19317), (913, 19320), (917, 19338),

Gene: Inyanga_26 Start: 20869, Stop: 22671, Start Num: 152

Candidate Starts for Inyanga_26:

(Start: 152 @20869 has 219 MA's), (Start: 173 @20890 has 4 MA's), (Start: 199 @20932 has 1 MA's), (223, 20977), (320, 21193), (347, 21238), (353, 21247), (367, 21286), (391, 21337), (393, 21340), (491, 21535), (514, 21604), (613, 21805), (614, 21808), (622, 21829), (667, 21925), (668, 21928), (670, 21934), (696, 22003), (699, 22021), (701, 22030), (714, 22060), (753, 22156), (764, 22189), (769, 22204), (815, 22345), (837, 22402), (879, 22513), (925, 22666),

Gene: Iqorha_26 Start: 20868, Stop: 22670, Start Num: 152

Candidate Starts for Iqorha_26:

(Start: 152 @20868 has 219 MA's), (Start: 173 @20889 has 4 MA's), (Start: 199 @20931 has 1 MA's), (223, 20976), (320, 21192), (347, 21237), (353, 21246), (367, 21285), (391, 21336), (393, 21339), (491, 21534), (514, 21603), (613, 21804), (614, 21807), (622, 21828), (667, 21924), (668, 21927), (670, 21933), (696, 22002), (699, 22020), (701, 22029), (714, 22059), (753, 22155), (764, 22188), (769, 22203), (815, 22344), (837, 22401), (879, 22512), (925, 22665),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 150

Candidate Starts for Iracema64_28:

(Start: 130 @20114 has 8 MA's), (Start: 150 @20138 has 625 MA's), (Start: 199 @20195 has 1 MA's), (230, 20249), (237, 20264), (245, 20282), (279, 20366), (283, 20378), (284, 20381), (320, 20456), (330, 20471), (353, 20510), (401, 20627), (445, 20714), (487, 20795), (505, 20843), (514, 20867), (562, 20954), (587, 20999), (614, 21071), (622, 21092), (631, 21110), (699, 21284), (701, 21293), (708, 21317), (714, 21323), (722, 21347), (753, 21401), (761, 21422), (778, 21473), (787, 21497), (802, 21551), (837, 21647), (877, 21752), (880, 21767), (911, 21875), (916, 21893),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 139

Candidate Starts for IrishSherpFalk_17:

(Start: 139 @16164 has 218 MA's), (207, 16251), (Start: 233 @16296 has 2 MA's), (242, 16320), (282, 16425), (284, 16431), (289, 16449), (300, 16479), (353, 16584), (375, 16644), (384, 16665), (388, 16674), (398, 16698), (410, 16734), (411, 16740), (425, 16773), (427, 16776), (441, 16785), (467, 16800), (474, 16806), (493, 16824), (497, 16839), (499, 16845), (505, 16863), (506, 16866), (512, 16881), (516, 16896), (520, 16902), (543, 16950), (550, 16962), (554, 16968), (587, 17028), (592, 17040), (606, 17076), (609, 17088), (645, 17163), (648, 17172), (660, 17190), (662, 17196), (670, 17226), (751, 17331), (753, 17343), (765, 17379), (792, 17457), (826, 17577), (843, 17610), (858, 17640), (860, 17652), (864, 17670), (866, 17676), (867, 17679), (869, 17685), (878, 17700), (879, 17703), (882, 17724), (883, 17727), (899, 17769), (904, 17799), (916, 17841), (917, 17847),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 150

Candidate Starts for IronMan_30:

(Start: 150 @21747 has 625 MA's), (Start: 244 @21882 has 1 MA's), (283, 21981), (284, 21984), (319, 22056), (320, 22059), (347, 22104), (375, 22170), (387, 22197), (401, 22230), (445, 22317), (491, 22401), (562, 22557), (581, 22590), (631, 22713), (664, 22779), (668, 22794), (708, 22920), (714, 22926), (743, 22974), (764, 23037), (769, 23052), (771, 23058), (778, 23076), (801, 23151), (837, 23250), (877, 23355), (879, 23361), (882, 23379), (890, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 150

Candidate Starts for Isca_27:

(Start: 150 @19841 has 625 MA's), (Start: 199 @19901 has 1 MA's), (237, 19970), (279, 20072), (283, 20084), (284, 20087), (320, 20162), (330, 20177), (332, 20180), (353, 20216), (407, 20351), (445, 20420), (500, 20534), (562, 20660), (613, 20774), (614, 20777), (622, 20798), (631, 20816), (668, 20897), (696, 20972), (699, 20990), (701, 20999), (714, 21029), (719, 21044), (727, 21068), (734, 21077), (752, 21122), (753, 21125), (761, 21146), (764, 21158), (837, 21371), (853, 21395), (877, 21476), (879, 21482), (916, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 150

Candidate Starts for Isiphiwo_31:

(Start: 150 @20047 has 625 MA's), (273, 20245), (284, 20284), (319, 20356), (320, 20359), (332, 20377), (353, 20413), (355, 20419), (401, 20530), (403, 20536), (445, 20617), (467, 20656), (487, 20698), (491, 20701), (509, 20761), (624, 20998), (631, 21013), (668, 21094), (714, 21226), (722, 21250), (769, 21352), (788, 21403), (790, 21412), (801, 21451), (802, 21454), (805, 21466), (837, 21550), (877, 21655), (879, 21661), (916, 21796),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 148

Candidate Starts for Island3_19:

(Start: 148 @16495 has 18 MA's), (216, 16594), (221, 16603), (252, 16669), (264, 16693), (283, 16753), (284, 16756), (293, 16783), (371, 16963), (382, 16987), (388, 16999), (398, 17023), (493, 17149), (497, 17164), (500, 17173), (513, 17209), (520, 17227), (550, 17287), (609, 17413), (634, 17479), (645, 17488), (648, 17497), (662, 17521), (752, 17665), (767, 17710), (800, 17812), (803, 17821), (807, 17839), (808, 17842), (864, 18001), (870, 18019), (878, 18055), (880, 18070), (897, 18118), (914, 18187),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 150

Candidate Starts for Iwokeuplikedis_29:

(Start: 130 @19911 has 8 MA's), (Start: 150 @19935 has 625 MA's), (226, 20034), (Start: 244 @20070 has 1 MA's), (253, 20088), (283, 20169), (284, 20172), (319, 20244), (320, 20247), (353, 20301), (355, 20307), (387, 20385), (401, 20418), (445, 20505), (487, 20586), (491, 20589), (562, 20745), (580, 20775), (614, 20862), (664, 20967), (668, 20982), (714, 21114), (743, 21162), (764, 21225), (769, 21240), (771, 21246), (775, 21255), (790, 21300), (801, 21339), (805, 21354), (817, 21387), (877, 21543), (879, 21549), (890, 21594),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 118

Candidate Starts for JAWS_23:

(Start: 118 @17142 has 149 MA's), (Start: 144 @17172 has 125 MA's), (245, 17331), (261, 17364), (274, 17394), (283, 17427), (287, 17439), (325, 17529), (351, 17571), (381, 17643), (385, 17652), (401, 17691), (415, 17736), (424, 17757), (426, 17760), (459, 17814), (467, 17832), (487, 17874), (492, 17880), (500, 17907), (589, 18045), (598, 18063), (609, 18105), (615, 18123), (628, 18153), (643, 18180), (685, 18285), (753, 18444), (765, 18480), (777, 18510), (786, 18519), (815, 18594), (834, 18645), (907, 18840), (917, 18879), (919, 18882), (929, 18900),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 152

Candidate Starts for JC27_29:

(Start: 152 @22002 has 219 MA's), (Start: 173 @22023 has 4 MA's), (Start: 199 @22065 has 1 MA's), (223, 22110), (320, 22326), (347, 22371), (353, 22380), (367, 22419), (391, 22470), (393, 22473), (491, 22668), (514, 22737), (613, 22938), (614, 22941), (622, 22962), (667, 23058), (668, 23061), (670, 23067), (696, 23136), (699, 23154), (714, 23193), (753, 23289), (764, 23322), (769, 23337), (815, 23478), (837, 23535), (879, 23646),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 165

Candidate Starts for JCole_17:

(79, 14614), (Start: 165 @14749 has 39 MA's), (239, 14866), (271, 14938), (272, 14941), (282, 14977), (299, 15016), (312, 15037), (363, 15139), (403, 15229), (404, 15232), (467, 15364), (495, 15418), (511, 15469), (524, 15499), (568, 15559), (579, 15571), (603, 15607), (614, 15646), (631, 15688), (648, 15724), (659, 15742), (663, 15757), (668, 15781), (696, 15853), (700, 15877), (758, 15985), (810, 16111), (816, 16126), (831, 16168), (867, 16261), (868, 16264), (882, 16312), (891, 16342), (899, 16360), (900, 16372), (910, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 118

Candidate Starts for JF1_24:

(Start: 96 @18583 has 3 MA's), (Start: 112 @18613 has 26 MA's), (Start: 115 @18619 has 20 MA's), (Start: 118 @18622 has 149 MA's), (Start: 141 @18637 has 4 MA's), (Start: 181 @18679 has 32 MA's), (208, 18727), (230, 18766), (237, 18781), (245, 18799), (261, 18832), (274, 18862), (287, 18907), (294, 18925), (325, 18997), (330, 19003), (347, 19033), (348, 19036), (375, 19099), (381, 19111), (433, 19246), (446, 19264), (465, 19294), (467, 19300), (476, 19318), (492, 19348), (504, 19387), (589, 19513), (610, 19576), (685, 19777), (701, 19831), (719, 19876), (744, 19921), (753, 19945), (764, 19978), (777, 20011), (810, 20083), (815, 20095), (834, 20146), (837, 20152), (882, 20254), (917, 20380), (929, 20401),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 150

Candidate Starts for JF2_27:

(Start: 150 @19592 has 625 MA's), (Start: 199 @19652 has 1 MA's), (237, 19721), (279, 19823), (283, 19835), (284, 19838), (320, 19913), (330, 19928), (332, 19931), (353, 19967), (407, 20102), (445, 20171), (500, 20285), (562, 20411), (613, 20525), (614, 20528), (622, 20549), (631, 20567), (668, 20648), (696, 20723), (699, 20741), (701, 20750), (708, 20774), (714, 20780), (719, 20795), (727, 20819), (734, 20828), (752, 20873), (753, 20876), (761, 20897), (764, 20909), (837, 21122), (853, 21146), (877, 21227), (879, 21233), (916, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 150

Candidate Starts for JF4_27:

(Start: 150 @19592 has 625 MA's), (Start: 199 @19652 has 1 MA's), (237, 19721), (279, 19823), (283, 19835), (284, 19838), (320, 19913), (330, 19928), (332, 19931), (353, 19967), (407, 20102), (445, 20171), (500, 20285), (562, 20411), (613, 20525), (614, 20528), (622, 20549), (631, 20567), (668, 20648), (696, 20723), (699, 20741), (701, 20750), (708, 20774), (714, 20780), (719, 20795), (727, 20819), (734, 20828), (752, 20873), (753, 20876), (761, 20897), (764, 20909), (837, 21122), (853, 21146), (877, 21227), (879, 21233), (916, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 150

Candidate Starts for JHC117_29:

(Start: 150 @20377 has 625 MA's), (Start: 199 @20434 has 1 MA's), (208, 20449), (226, 20482), (237, 20503), (Start: 244 @20518 has 1 MA's), (279, 20605), (283, 20617), (284, 20620), (320, 20695), (330, 20710), (351, 20746), (445, 20953), (500, 21067), (514, 21106), (542, 21166), (562, 21193), (613, 21307), (622, 21331), (631, 21349), (668, 21430), (696, 21505), (699, 21523), (708, 21556), (714, 21562), (727, 21601), (752, 21655), (753, 21658), (761, 21679), (780, 21736), (837, 21904), (877, 22009), (879, 22015), (916, 22150),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 105

Candidate Starts for JKSyngboy_32:

(Start: 105 @30214 has 84 MA's), (Start: 129 @30250 has 1 MA's), (220, 30379), (226, 30388), (239, 30412), (272, 30484), (275, 30493), (296, 30562), (320, 30613), (326, 30622), (347, 30658), (355, 30673), (361, 30691), (391, 30754), (407, 30799), (410, 30808), (480, 30928), (487, 30943), (490, 30952), (495, 30967), (504, 30997), (641, 31237), (647, 31252), (667, 31294), (668, 31297), (676,

31324), (757, 31507), (815, 31648), (816, 31651), (834, 31699), (852, 31726), (860, 31753), (877, 31807), (883, 31834),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 150

Candidate Starts for JSwag_30:

(102, 19013), (Start: 130 @19055 has 8 MA's), (Start: 150 @19079 has 625 MA's), (245, 19217), (272, 19274), (284, 19316), (300, 19352), (320, 19391), (357, 19460), (367, 19484), (393, 19538), (467, 19688), (491, 19733), (500, 19763), (513, 19799), (536, 19850), (561, 19886), (587, 19934), (610, 19994), (667, 20123), (696, 20201), (769, 20402), (771, 20408), (802, 20504), (866, 20669), (897, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 150

Candidate Starts for Jaan_31:

(Start: 130 @22112 has 8 MA's), (Start: 150 @22136 has 625 MA's), (Start: 244 @22271 has 1 MA's), (253, 22289), (283, 22370), (284, 22373), (319, 22445), (320, 22448), (375, 22559), (387, 22586), (401, 22619), (415, 22664), (445, 22706), (491, 22790), (562, 22946), (581, 22979), (664, 23168), (668, 23183), (708, 23309), (714, 23315), (764, 23426), (769, 23441), (771, 23447), (790, 23501), (801, 23540), (805, 23555), (837, 23639), (877, 23744), (879, 23750), (882, 23768), (890, 23795),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 155

Candidate Starts for Jabbawokkie_21:

(Start: 155 @14267 has 12 MA's), (212, 14348), (230, 14378), (241, 14399), (246, 14411), (275, 14477), (286, 14516), (289, 14528), (298, 14552), (328, 14609), (330, 14612), (343, 14636), (347, 14642), (348, 14645), (367, 14690), (375, 14708), (393, 14744), (445, 14855), (467, 14891), (480, 14918), (486, 14930), (487, 14933), (500, 14975), (504, 14987), (513, 15011), (568, 15065), (613, 15164), (661, 15257), (668, 15284), (672, 15296), (697, 15347), (699, 15362), (736, 15416), (751, 15443), (815, 15605), (816, 15608), (817, 15611), (864, 15728), (879, 15770), (902, 15854), (914, 15899), (919, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 105

Candidate Starts for Jabberwocky_33:

(97, 31343), (Start: 105 @31361 has 84 MA's), (Start: 129 @31397 has 1 MA's), (226, 31535), (272, 31631), (275, 31640), (296, 31709), (320, 31760), (347, 31805), (355, 31820), (391, 31901), (407, 31946), (410, 31955), (466, 32045), (480, 32075), (487, 32090), (495, 32114), (504, 32144), (585, 32249), (631, 32366), (641, 32384), (647, 32399), (664, 32429), (667, 32441), (668, 32444), (676, 32471), (815, 32795), (816, 32798), (834, 32846), (852, 32873), (860, 32900), (877, 32954), (883, 32981), (919, 33110),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 150

Candidate Starts for Jabiru_24:

(Start: 150 @19026 has 625 MA's), (284, 19263), (320, 19338), (330, 19353), (351, 19389), (381, 19461), (387, 19476), (401, 19509), (402, 19512), (403, 19515), (500, 19710), (509, 19740), (513, 19746), (562, 19836), (587, 19881), (613, 19950), (631, 19992), (640, 20010), (667, 20070), (668, 20073), (699, 20166), (752, 20307), (764, 20343), (837, 20556), (876, 20658), (879, 20667), (916, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 150

Candidate Starts for Jabith_28:

(102, 20741), (Start: 130 @20783 has 8 MA's), (Start: 150 @20807 has 625 MA's), (Start: 193 @20849 has 3 MA's), (245, 20945), (253, 20960), (283, 21041), (284, 21044), (320, 21119), (330, 21134), (353, 21173), (355, 21179), (375, 21230), (401, 21290), (403, 21296), (445, 21377), (491, 21461), (541, 21587), (552, 21605), (568, 21632), (631, 21773), (664, 21839), (667, 21851), (668, 21854), (734, 22043), (747, 22070), (751, 22079), (757, 22100), (758, 22103), (764, 22124), (769, 22139), (778,

22163), (801, 22238), (805, 22253), (837, 22337), (877, 22442), (879, 22448), (894, 22502), (925, 22601),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 119

Candidate Starts for Jablanski_20:

(Start: 104 @17653 has 1 MA's), (Start: 119 @17677 has 25 MA's), (201, 17782), (224, 17824), (266, 17899), (320, 18013), (387, 18160), (391, 18166), (483, 18349), (512, 18424), (667, 18706), (674, 18727), (699, 18802), (759, 18925), (769, 18958), (771, 18964), (804, 19030), (815, 19060), (877, 19216), (879, 19222), (882, 19240), (914, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 203

Candidate Starts for Jace_17:

(59, 14448), (73, 14538), (99, 14598), (Start: 203 @14739 has 1 MA's), (228, 14781), (251, 14826), (275, 14880), (289, 14913), (313, 14964), (383, 15099), (395, 15120), (396, 15123), (403, 15144), (422, 15198), (424, 15204), (524, 15306), (531, 15318), (539, 15336), (584, 15390), (624, 15480), (667, 15594), (701, 15696), (766, 15807), (868, 16056), (892, 16137), (897, 16146), (908, 16194),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 152

Candidate Starts for JackSparrow_28:

(Start: 152 @21464 has 219 MA's), (Start: 173 @21485 has 4 MA's), (Start: 199 @21527 has 1 MA's), (223, 21572), (320, 21788), (347, 21833), (353, 21842), (367, 21881), (391, 21932), (393, 21935), (491, 22130), (514, 22199), (613, 22400), (614, 22403), (622, 22424), (667, 22520), (668, 22523), (670, 22529), (696, 22598), (699, 22616), (701, 22625), (714, 22655), (753, 22751), (764, 22784), (769, 22799), (815, 22940), (837, 22997), (879, 23108),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 94

Candidate Starts for JacoRen57_17:

(Start: 94 @15449 has 4 MA's), (187, 15563), (Start: 199 @15584 has 1 MA's), (230, 15638), (237, 15653), (263, 15707), (287, 15779), (347, 15905), (356, 15926), (373, 15968), (381, 15983), (391, 16004), (395, 16013), (410, 16058), (415, 16076), (416, 16079), (465, 16208), (467, 16214), (476, 16232), (492, 16262), (496, 16277), (516, 16337), (552, 16388), (587, 16424), (589, 16427), (635, 16556), (748, 16811), (785, 16901), (794, 16910), (810, 16967), (852, 17060), (880, 17129), (915, 17255), (917, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 139

Candidate Starts for JalFarm20_18:

(Start: 139 @15176 has 218 MA's), (207, 15263), (Start: 233 @15308 has 2 MA's), (242, 15332), (282, 15437), (284, 15443), (289, 15461), (300, 15491), (353, 15596), (375, 15656), (384, 15677), (388, 15686), (398, 15710), (493, 15836), (497, 15851), (499, 15857), (512, 15893), (513, 15896), (516, 15908), (520, 15914), (543, 15962), (550, 15974), (554, 15980), (587, 16040), (592, 16052), (606, 16088), (609, 16100), (645, 16175), (648, 16184), (660, 16202), (662, 16208), (670, 16238), (751, 16343), (752, 16352), (753, 16355), (765, 16391), (792, 16469), (820, 16568), (826, 16589), (843, 16622), (858, 16652), (864, 16682), (867, 16691), (869, 16697), (878, 16712), (879, 16715), (883, 16739), (894, 16769), (899, 16781), (904, 16811), (916, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 177

Candidate Starts for Jalammah_21:

(Start: 141 @17408 has 4 MA's), (Start: 177 @17444 has 46 MA's), (237, 17546), (273, 17624), (274, 17627), (316, 17723), (338, 17762), (367, 17822), (377, 17843), (400, 17897), (405, 17912), (495, 18083), (504, 18113), (617, 18296), (627, 18320), (655, 18371), (687, 18464), (695, 18476), (705, 18521), (713, 18536), (765, 18668), (766, 18671), (810, 18770), (817, 18788), (837, 18839), (868, 18905), (889, 18968), (894, 18980),

Gene: Jalleen_18 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for Jalleen_18:

(Start: 165 @14751 has 39 MA's), (239, 14868), (363, 15141), (403, 15231), (404, 15234), (495, 15420), (521, 15495), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (663, 15759), (668, 15783), (700, 15879), (810, 16113), (816, 16128), (831, 16170), (863, 16251), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 105

Candidate Starts for Jambalaya_31:

(86, 25598), (Start: 105 @25640 has 84 MA's), (Start: 129 @25676 has 1 MA's), (Start: 155 @25709 has 12 MA's), (274, 25919), (275, 25922), (283, 25952), (310, 26018), (320, 26042), (326, 26051), (345, 26084), (410, 26237), (430, 26276), (466, 26327), (470, 26339), (480, 26357), (486, 26369), (490, 26381), (495, 26396), (504, 26426), (505, 26429), (513, 26450), (581, 26522), (603, 26570), (647, 26681), (665, 26714), (676, 26753), (677, 26756), (701, 26828), (740, 26894), (744, 26906), (815, 27077), (819, 27089), (821, 27095), (834, 27128), (852, 27155), (860, 27182), (877, 27236), (908, 27353), (914, 27374), (925, 27401),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 139

Candidate Starts for James_16:

(Start: 139 @14804 has 218 MA's), (207, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (266, 15017), (282, 15065), (284, 15071), (289, 15089), (300, 15119), (353, 15224), (371, 15278), (375, 15284), (379, 15293), (388, 15314), (398, 15338), (410, 15374), (411, 15380), (425, 15413), (427, 15416), (441, 15425), (467, 15440), (474, 15446), (493, 15464), (497, 15479), (499, 15485), (505, 15503), (506, 15506), (512, 15521), (516, 15536), (520, 15542), (543, 15590), (550, 15602), (554, 15608), (587, 15668), (592, 15680), (606, 15716), (609, 15728), (645, 15803), (648, 15812), (660, 15830), (662, 15836), (670, 15866), (751, 15971), (753, 15983), (765, 16019), (792, 16097), (826, 16217), (843, 16250), (858, 16280), (860, 16292), (864, 16310), (866, 16316), (867, 16319), (869, 16325), (878, 16340), (879, 16343), (882, 16364), (883, 16367), (899, 16409), (904, 16439), (916, 16481), (917, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Jamie19_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 150

Candidate Starts for Jamzy_21:

(17, 14440), (31, 14623), (120, 15070), (Start: 140 @15097 has 9 MA's), (Start: 150 @15100 has 625 MA's), (245, 15241), (283, 15340), (298, 15385), (387, 15568), (400, 15598), (413, 15640), (430, 15670), (458, 15700), (462, 15712), (465, 15715), (500, 15805), (527, 15871), (533, 15886), (580, 15922), (587, 15937), (596, 15955), (609, 15994), (611, 16000), (649, 16084), (666, 16120), (667, 16123), (668, 16126), (673, 16141), (678, 16159), (679, 16162), (699, 16216), (765, 16345), (769, 16357), (775, 16372), (786, 16384), (814, 16456), (815, 16459), (816, 16462), (858, 16558), (879, 16627), (880, 16636), (916, 16765), (919, 16774), (923, 16780),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Jane_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (208, 16739), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 121

Candidate Starts for JangDynasty_56:

(Start: 115 @33552 has 20 MA's), (Start: 121 @33561 has 44 MA's), (191, 33651), (248, 33768), (266, 33804), (275, 33825), (282, 33852), (284, 33858), (294, 33888), (302, 33912), (327, 33963), (388, 34101), (392, 34107), (409, 34158), (410, 34161), (415, 34179), (493, 34230), (499, 34251), (500, 34254), (516, 34302), (520, 34308), (543, 34356), (544, 34362), (550, 34368), (573, 34428), (587, 34452), (589, 34455), (606, 34500), (610, 34515), (613, 34524), (616, 34533), (634, 34578), (648, 34596), (664, 34629), (753, 34767), (761, 34788), (782, 34854), (793, 34884), (807, 34938), (820, 34980), (826, 35001), (836, 35022), (843, 35034), (855, 35055), (869, 35109), (897, 35187), (904, 35223), (910, 35244), (917, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 139

Candidate Starts for Jant_16:

(Start: 139 @14961 has 218 MA's), (207, 15048), (Start: 233 @15093 has 2 MA's), (242, 15117), (282, 15222), (284, 15228), (289, 15246), (300, 15276), (353, 15381), (375, 15441), (384, 15462), (388, 15471), (398, 15495), (493, 15621), (497, 15636), (499, 15642), (512, 15678), (513, 15681), (516, 15693), (520, 15699), (543, 15747), (550, 15759), (554, 15765), (587, 15825), (592, 15837), (606, 15873), (609, 15885), (645, 15960), (648, 15969), (660, 15987), (662, 15993), (670, 16023), (751, 16128), (752, 16137), (753, 16140), (765, 16176), (792, 16254), (820, 16353), (826, 16374), (843, 16407), (858, 16437), (864, 16467), (867, 16476), (869, 16482), (878, 16497), (879, 16500), (883, 16524), (894, 16554), (899, 16566), (904, 16596), (916, 16638),

Gene: Jacob_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for Jacob_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (371, 15286), (375, 15292), (379, 15301), (388, 15322), (398, 15346), (410, 15382), (411, 15388), (425, 15421), (427, 15424), (441, 15433), (467, 15448), (474, 15454), (493, 15472), (497, 15487), (499, 15493), (505, 15511), (506, 15514), (512, 15529), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (753, 15991), (765, 16027), (792, 16105), (826, 16225), (843, 16258), (858, 16288), (860, 16300), (864, 16318), (866, 16324), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (882, 16372), (883, 16375), (899, 16417), (904, 16447), (916, 16489), (917, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Jarvi_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 152

Candidate Starts for Jasper_28:

(Start: 152 @20943 has 219 MA's), (Start: 173 @20964 has 4 MA's), (Start: 199 @21006 has 1 MA's), (223, 21051), (320, 21267), (347, 21312), (353, 21321), (367, 21360), (391, 21411), (393, 21414), (491, 21609), (514, 21678), (613, 21879), (614, 21882), (622, 21903), (667, 21999), (668, 22002), (670, 22008), (696, 22077), (699, 22095), (701, 22104), (714, 22134), (753, 22230), (764, 22263), (769, 22278), (815, 22419), (837, 22476), (879, 22587),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 177

Candidate Starts for JasperJr_19:

(Start: 141 @16618 has 4 MA's), (Start: 177 @16654 has 46 MA's), (237, 16756), (273, 16834), (274, 16837), (316, 16933), (338, 16972), (377, 17053), (400, 17107), (405, 17122), (495, 17293), (504, 17323), (617, 17506), (627, 17530), (628, 17533), (655, 17581), (687, 17674), (695, 17686), (705, 17731), (713, 17746), (765, 17878), (766, 17881), (810, 17980), (817, 17998), (837, 18049), (868, 18115), (889, 18178), (894, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Jayhawk_23:

(Start: 118 @17155 has 149 MA's), (Start: 144 @17185 has 125 MA's), (245, 17344), (261, 17377), (274, 17407), (283, 17440), (287, 17452), (325, 17542), (351, 17584), (381, 17656), (385, 17665), (401, 17704), (415, 17749), (424, 17770), (426, 17773), (459, 17827), (467, 17845), (487, 17887), (492, 17893), (500, 17920), (589, 18058), (598, 18076), (609, 18118), (615, 18136), (628, 18166), (643, 18193), (685, 18298), (753, 18457), (765, 18493), (777, 18523), (786, 18532), (815, 18607), (834, 18658), (880, 18757), (907, 18853), (917, 18892), (919, 18895), (929, 18913),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 150

Candidate Starts for Jaykayelowell_27:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 199 @19880 has 1 MA's), (230, 19934), (237, 19949), (245, 19967), (279, 20051), (283, 20063), (284, 20066), (320, 20141), (330, 20156), (353, 20195), (401, 20312), (445, 20399), (487, 20480), (505, 20528), (514, 20552), (562, 20639), (587, 20684), (614, 20756), (622, 20777), (631, 20795), (668, 20876), (699, 20969), (701, 20978), (708, 21002), (714, 21008), (722, 21032), (753, 21086), (761, 21107), (778, 21158), (787, 21182), (802, 21236), (837, 21332), (877, 21437), (880, 21452), (911, 21560), (916, 21578),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 205

Candidate Starts for JeTaime_26:

(Start: 144 @20547 has 125 MA's), (Start: 205 @20631 has 48 MA's), (Start: 244 @20709 has 1 MA's), (279, 20796), (284, 20811), (300, 20859), (317, 20898), (359, 20985), (372, 21018), (388, 21054), (400, 21084), (402, 21090), (437, 21159), (495, 21189), (498, 21201), (499, 21204), (520, 21261), (589, 21393), (591, 21399), (614, 21465), (616, 21471), (625, 21495), (648, 21543), (662, 21567), (664, 21576), (688, 21651), (752, 21702), (758, 21717), (809, 21879), (817, 21906), (826, 21936), (868, 22041), (897, 22119), (904, 22155), (907, 22164), (916, 22197), (923, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 134

Candidate Starts for Jebeks_19:

(Start: 116 @16346 has 3 MA's), (Start: 134 @16370 has 48 MA's), (184, 16430), (195, 16451), (197, 16454), (259, 16574), (274, 16613), (283, 16646), (292, 16670), (342, 16790), (359, 16829), (360, 16835), (396, 16919), (398, 16925), (402, 16937), (410, 16961), (420, 16988), (437, 17006), (480, 17045), (493, 17051), (500, 17075), (520, 17129), (526, 17141), (531, 17150), (560, 17210), (597, 17288), (609, 17327), (621, 17360), (648, 17426), (659, 17441), (662, 17450), (668, 17474), (676, 17504), (680, 17516), (763, 17618), (767, 17630), (768, 17633), (770, 17639), (774, 17648), (807, 17756), (836, 17840), (874, 17939), (907, 18047), (923, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Jeckyll_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 150

Candidate Starts for Jeeves_28:

(Start: 148 @19424 has 18 MA's), (Start: 150 @19427 has 625 MA's), (Start: 244 @19562 has 1 MA's), (275, 19631), (284, 19664), (298, 19694), (319, 19736), (320, 19739), (355, 19799), (401, 19910), (415, 19955), (419, 19964), (445, 19997), (483, 20072), (487, 20078), (491, 20081), (509, 20141), (563, 20243), (581, 20270), (608, 20330), (614, 20354), (631, 20393), (668, 20474), (740, 20672), (769, 20759), (771, 20765), (801, 20858), (805, 20873), (877, 21062), (879, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 150

Candidate Starts for Jeffabunny_31:

(102, 19931), (Start: 130 @19973 has 8 MA's), (Start: 150 @19997 has 625 MA's), (284, 20234), (319, 20306), (320, 20309), (330, 20324), (353, 20363), (355, 20369), (401, 20480), (403, 20486), (415, 20525), (445, 20567), (467, 20606), (487, 20648), (491, 20651), (562, 20807), (624, 20948), (631, 20963), (714, 21176), (761, 21275), (769, 21302), (788, 21353), (790, 21362), (801, 21401), (805, 21416), (837, 21500), (877, 21605), (879, 21611), (916, 21746),

Gene: Jeilious_18 Start: 16648, Stop: 18402, Start Num: 138

Candidate Starts for Jeilious_18:

(Start: 112 @16639 has 26 MA's), (Start: 138 @16648 has 76 MA's), (Start: 144 @16654 has 125 MA's), (149, 16660), (237, 16792), (261, 16843), (274, 16873), (280, 16897), (320, 16999), (344, 17038), (347, 17044), (355, 17059), (371, 17104), (419, 17224), (450, 17281), (467, 17320), (492, 17368), (500, 17395), (504, 17407), (548, 17488), (589, 17533), (668, 17731), (677, 17761), (685, 17779), (696, 17806), (723, 17890), (742, 17908), (749, 17923), (764, 17971), (769, 17986), (802, 18049), (821, 18106), (837, 18145), (858, 18187), (880, 18238), (907, 18334), (929, 18394),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for JenCasNa_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (794, 21779), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Jennelsea_16 Start: 14762, Stop: 16471, Start Num: 139

Candidate Starts for Jennelsea_16:

(Start: 139 @14762 has 218 MA's), (207, 14849), (Start: 233 @14894 has 2 MA's), (242, 14918), (282, 15023), (284, 15029), (289, 15047), (300, 15077), (353, 15182), (375, 15242), (384, 15263), (388, 15272), (398, 15296), (493, 15422), (497, 15437), (499, 15443), (512, 15479), (513, 15482), (516, 15494), (520, 15500), (543, 15548), (550, 15560), (554, 15566), (587, 15626), (592, 15638), (606, 15674), (609, 15686), (645, 15761), (648, 15770), (660, 15788), (662, 15794), (670, 15824), (751, 15929), (752, 15938), (753, 15941), (765, 15977), (792, 16055), (820, 16154), (826, 16175), (843, 16208), (858, 16238), (864, 16268), (867, 16277), (869, 16283), (878, 16298), (879, 16301), (883, 16325), (894, 16355), (899, 16367), (904, 16397), (916, 16439),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 150

Candidate Starts for JeppNRM_30:

(Start: 150 @20458 has 625 MA's), (Start: 199 @20515 has 1 MA's), (208, 20530), (237, 20584),
(Start: 244 @20599 has 1 MA's), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791),
(445, 21034), (514, 21187), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430),
(668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (727, 21682),
(752, 21736), (753, 21739), (761, 21760), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 150

Candidate Starts for Jerm_30:

(Start: 130 @20609 has 8 MA's), (Start: 150 @20633 has 625 MA's), (226, 20732), (266, 20816), (283,
20867), (284, 20870), (319, 20942), (320, 20945), (353, 20999), (367, 21038), (401, 21116), (445,
21203), (487, 21284), (491, 21287), (580, 21473), (614, 21560), (664, 21665), (668, 21680), (708,
21806), (714, 21812), (743, 21860), (769, 21938), (771, 21944), (790, 21998), (801, 22037), (805,
22052), (837, 22136), (879, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 152

Candidate Starts for Jerm2_28:

(Start: 152 @21333 has 219 MA's), (Start: 173 @21354 has 4 MA's), (Start: 199 @21396 has 1 MA's),
(223, 21441), (320, 21657), (347, 21702), (353, 21711), (367, 21750), (391, 21801), (393, 21804),
(491, 21999), (514, 22068), (613, 22269), (614, 22272), (622, 22293), (667, 22389), (668, 22392),
(670, 22398), (696, 22467), (699, 22485), (701, 22494), (714, 22524), (753, 22620), (764, 22653),
(769, 22668), (815, 22809), (837, 22866), (879, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 168

Candidate Starts for Jester_23:

(Start: 168 @16278 has 10 MA's), (Start: 181 @16293 has 32 MA's), (Start: 205 @16335 has 48
MA's), (220, 16362), (241, 16398), (298, 16539), (320, 16584), (383, 16713), (401, 16755), (407,
16773), (410, 16782), (Start: 417 @16806 has 1 MA's), (430, 16824), (458, 16854), (465, 16869), (466,
16872), (483, 16911), (491, 16920), (520, 17004), (580, 17058), (587, 17073), (608, 17121), (614,
17145), (667, 17259), (696, 17337), (704, 17376), (708, 17388), (715, 17397), (743, 17418), (769,
17496), (831, 17643), (871, 17742), (877, 17757), (923, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for JetBlade_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's),
(230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142),
(330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553),
(562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970),
(701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159),
(787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 150

Candidate Starts for JewelBug_31:

(102, 19915), (Start: 130 @19957 has 8 MA's), (Start: 150 @19981 has 625 MA's), (245, 20119), (273,
20179), (284, 20218), (319, 20290), (320, 20293), (332, 20311), (353, 20347), (355, 20353), (401,
20464), (403, 20470), (415, 20509), (445, 20551), (467, 20590), (487, 20632), (491, 20635), (509,
20695), (624, 20932), (631, 20947), (668, 21028), (698, 21115), (714, 21160), (769, 21286), (788,
21337), (790, 21346), (801, 21385), (802, 21388), (805, 21400), (837, 21484), (877, 21589), (879,
21595), (916, 21730),

Gene: Jiawan_29 Start: 21785, Stop: 23575, Start Num: 150

Candidate Starts for Jiawan_29:

(Start: 148 @21782 has 18 MA's), (Start: 150 @21785 has 625 MA's), (283, 22019), (284, 22022), (319, 22094), (320, 22097), (330, 22112), (353, 22151), (355, 22157), (401, 22268), (445, 22355), (487, 22436), (491, 22439), (580, 22625), (608, 22688), (614, 22712), (616, 22718), (631, 22751), (668, 22832), (708, 22958), (726, 23000), (753, 23060), (764, 23093), (769, 23108), (801, 23207), (802, 23210), (805, 23222), (837, 23306), (864, 23372), (877, 23411), (879, 23417), (890, 23462), (907, 23519), (908, 23522),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 162

Candidate Starts for Jifall16_40:

(Start: 162 @30479 has 92 MA's), (Start: 190 @30515 has 1 MA's), (201, 30533), (237, 30593), (355, 30833), (358, 30845), (363, 30860), (398, 30926), (403, 30941), (412, 30965), (413, 30968), (461, 31052), (475, 31082), (477, 31085), (501, 31142), (517, 31190), (519, 31193), (531, 31214), (603, 31319), (625, 31364), (648, 31406), (706, 31580), (724, 31610), (733, 31616), (796, 31724), (797, 31727), (821, 31802), (904, 32021), (923, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for Jinglebell_15:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 139

Candidate Starts for Job42_19:

(Start: 139 @16488 has 218 MA's), (207, 16575), (Start: 233 @16620 has 2 MA's), (242, 16644), (282, 16749), (284, 16755), (289, 16773), (300, 16803), (353, 16908), (375, 16968), (384, 16989), (388, 16998), (398, 17022), (493, 17148), (497, 17163), (499, 17169), (512, 17205), (513, 17208), (516, 17220), (520, 17226), (543, 17274), (550, 17286), (554, 17292), (587, 17352), (592, 17364), (606, 17400), (609, 17412), (645, 17487), (648, 17496), (660, 17514), (662, 17520), (670, 17550), (751, 17655), (752, 17664), (753, 17667), (765, 17703), (792, 17781), (820, 17880), (826, 17901), (843, 17934), (858, 17964), (864, 17994), (867, 18003), (869, 18009), (878, 18024), (879, 18027), (882, 18048), (883, 18051), (894, 18081), (899, 18093), (916, 18165),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 150

Candidate Starts for Jobu08_29:

(Start: 150 @20451 has 625 MA's), (Start: 199 @20508 has 1 MA's), (208, 20523), (226, 20556), (237, 20577), (Start: 244 @20592 has 1 MA's), (279, 20679), (283, 20691), (284, 20694), (320, 20769), (330, 20784), (351, 20820), (445, 21027), (514, 21180), (562, 21267), (613, 21381), (622, 21405), (631, 21423), (668, 21504), (696, 21579), (699, 21597), (708, 21630), (714, 21636), (727, 21675), (752, 21729), (753, 21732), (761, 21753), (780, 21810), (837, 21978), (877, 22083), (879, 22089), (916, 22224),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 139

Candidate Starts for JoeyJr_16:

(Start: 139 @14976 has 218 MA's), (207, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (282, 15237), (284, 15243), (289, 15261), (300, 15291), (353, 15396), (375, 15456), (384, 15477), (388, 15486), (398, 15510), (493, 15636), (497, 15651), (499, 15657), (512, 15693), (513, 15696), (516,

15708), (520, 15714), (543, 15762), (550, 15774), (554, 15780), (587, 15840), (592, 15852), (606, 15888), (609, 15900), (645, 15975), (648, 15984), (660, 16002), (662, 16008), (670, 16038), (751, 16143), (752, 16152), (753, 16155), (765, 16191), (792, 16269), (820, 16368), (826, 16389), (843, 16422), (858, 16452), (864, 16482), (867, 16491), (869, 16497), (878, 16512), (879, 16515), (882, 16536), (883, 16539), (899, 16581), (904, 16611), (916, 16653),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 163

Candidate Starts for Jojo24_18:

(Start: 163 @14985 has 16 MA's), (226, 15084), (239, 15108), (283, 15219), (284, 15222), (290, 15240), (296, 15249), (333, 15315), (341, 15330), (346, 15339), (349, 15345), (389, 15435), (409, 15489), (411, 15498), (467, 15588), (513, 15699), (578, 15771), (581, 15777), (585, 15786), (594, 15804), (631, 15894), (641, 15909), (676, 15993), (680, 16008), (687, 16026), (695, 16038), (716, 16104), (757, 16152), (761, 16164), (764, 16176), (771, 16197), (777, 16209), (792, 16224), (802, 16254), (814, 16290), (880, 16443), (890, 16479), (908, 16542), (914, 16563), (923, 16587), (927, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Jolene_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 149

Candidate Starts for Jolie2_18:

(Start: 138 @15976 has 76 MA's), (Start: 144 @15982 has 125 MA's), (149, 15988), (208, 16066), (237, 16120), (261, 16171), (274, 16201), (280, 16225), (311, 16303), (320, 16327), (347, 16372), (391, 16471), (458, 16627), (467, 16648), (470, 16657), (487, 16690), (492, 16696), (504, 16735), (515, 16765), (589, 16861), (643, 17002), (668, 17059), (685, 17107), (696, 17134), (707, 17182), (708, 17185), (733, 17224), (798, 17350), (821, 17422), (880, 17554), (908, 17653), (921, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 155

Candidate Starts for JonJames_47:

(Start: 155 @32980 has 12 MA's), (202, 33046), (Start: 205 @33052 has 48 MA's), (234, 33109), (292, 33268), (295, 33280), (354, 33406), (370, 33454), (497, 33604), (515, 33655), (520, 33667), (523, 33673), (592, 33814), (601, 33829), (662, 33988), (697, 34096), (787, 34225), (789, 34231), (791, 34240), (809, 34303), (821, 34342), (824, 34351), (846, 34399), (871, 34474), (893, 34534), (905, 34582), (913, 34609), (915, 34618), (916, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Jonghyun_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for JoongJeon_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for JorRay_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 130

Candidate Starts for Jordennis_31:

(102, 19900), (Start: 130 @19942 has 8 MA's), (Start: 150 @19966 has 625 MA's), (273, 20164), (284, 20203), (319, 20275), (320, 20278), (332, 20296), (353, 20332), (355, 20338), (401, 20449), (403, 20455), (445, 20536), (467, 20575), (487, 20617), (491, 20620), (509, 20680), (624, 20917), (631, 20932), (668, 21013), (698, 21100), (714, 21145), (769, 21271), (788, 21322), (790, 21331), (801, 21370), (802, 21373), (805, 21385), (837, 21469), (877, 21574), (879, 21580), (916, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 152

Candidate Starts for Jorgensen_27:

(Start: 152 @20997 has 219 MA's), (Start: 173 @21018 has 4 MA's), (Start: 199 @21060 has 1 MA's), (223, 21105), (320, 21321), (347, 21366), (353, 21375), (367, 21414), (391, 21465), (393, 21468), (491, 21663), (514, 21732), (613, 21933), (614, 21936), (622, 21957), (667, 22053), (668, 22056), (670, 22062), (696, 22131), (699, 22149), (701, 22158), (714, 22188), (753, 22284), (764, 22317), (769, 22332), (815, 22473), (837, 22530), (879, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 150

Candidate Starts for Joselito_28:

(102, 20689), (Start: 130 @20731 has 8 MA's), (Start: 150 @20755 has 625 MA's), (Start: 193 @20797 has 3 MA's), (245, 20893), (253, 20908), (283, 20989), (284, 20992), (320, 21067), (330, 21082), (353, 21121), (355, 21127), (375, 21178), (401, 21238), (403, 21244), (445, 21325), (491, 21409), (541, 21535), (552, 21553), (568, 21580), (631, 21721), (664, 21787), (667, 21799), (668, 21802), (734, 21991), (747, 22018), (751, 22027), (757, 22048), (758, 22051), (764, 22072), (769, 22087), (778, 22111), (801, 22186), (805, 22201), (837, 22285), (877, 22390), (879, 22396), (894, 22450), (925, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 150

Candidate Starts for JoshKayV_30:

(Start: 130 @20579 has 8 MA's), (Start: 150 @20603 has 625 MA's), (226, 20702), (266, 20786), (283, 20837), (284, 20840), (319, 20912), (320, 20915), (353, 20969), (367, 21008), (401, 21086), (445, 21173), (487, 21254), (491, 21257), (614, 21530), (664, 21635), (668, 21650), (708, 21776), (714, 21782), (743, 21830), (747, 21839), (753, 21860), (764, 21893), (769, 21908), (771, 21914), (790, 21968), (801, 22007), (805, 22022), (837, 22106), (879, 22217),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Journey_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 150

Candidate Starts for Journey13_26:

(102, 19258), (Start: 130 @19300 has 8 MA's), (Start: 150 @19324 has 625 MA's), (226, 19423), (245, 19462), (283, 19558), (284, 19561), (319, 19633), (320, 19636), (330, 19651), (353, 19690), (355, 19696), (401, 19807), (403, 19813), (407, 19825), (445, 19894), (476, 19951), (487, 19975), (491, 19978), (541, 20104), (563, 20140), (631, 20290), (664, 20356), (668, 20371), (707, 20494), (734, 20560), (747, 20587), (753, 20608), (757, 20617), (764, 20641), (769, 20656), (778, 20680), (801, 20755), (805, 20770), (877, 20959), (879, 20965), (890, 21010),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 150

Candidate Starts for Jovo_24:

(Start: 150 @19845 has 625 MA's), (245, 19983), (284, 20082), (320, 20157), (351, 20208), (381, 20280), (387, 20295), (401, 20328), (403, 20334), (455, 20427), (500, 20529), (509, 20559), (513, 20565), (562, 20655), (580, 20685), (609, 20757), (613, 20769), (614, 20772), (631, 20811), (640, 20829), (667, 20889), (668, 20892), (686, 20943), (699, 20985), (752, 21126), (766, 21168), (879, 21486), (916, 21621),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for Joy99_23:

(Start: 118 @17117 has 149 MA's), (Start: 144 @17147 has 125 MA's), (245, 17306), (261, 17339), (274, 17369), (283, 17402), (287, 17414), (325, 17504), (351, 17546), (381, 17618), (385, 17627), (401, 17666), (415, 17711), (424, 17732), (426, 17735), (459, 17789), (467, 17807), (487, 17849), (492, 17855), (500, 17882), (589, 18020), (598, 18038), (609, 18080), (615, 18098), (628, 18128), (643, 18155), (685, 18260), (753, 18419), (765, 18455), (777, 18485), (786, 18494), (815, 18569), (834, 18620), (907, 18815), (917, 18854), (919, 18857), (929, 18875),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 150

Candidate Starts for Jsquared_27:

(102, 19023), (Start: 130 @19065 has 8 MA's), (Start: 150 @19089 has 625 MA's), (245, 19227), (253, 19242), (283, 19323), (284, 19326), (319, 19398), (320, 19401), (353, 19455), (355, 19461), (361, 19479), (387, 19539), (401, 19572), (403, 19578), (415, 19617), (445, 19659), (487, 19740), (491, 19743), (509, 19803), (562, 19899), (580, 19929), (613, 20013), (631, 20055), (660, 20106), (668, 20136), (708, 20262), (740, 20325), (764, 20397), (769, 20412), (778, 20436), (801, 20511), (805, 20526), (837, 20610), (877, 20715), (879, 20721), (882, 20739), (890, 20766), (894, 20775),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 177

Candidate Starts for JuJu_19:

(Start: 141 @16539 has 4 MA's), (Start: 177 @16575 has 46 MA's), (237, 16677), (273, 16755), (316, 16854), (338, 16893), (377, 16974), (400, 17028), (405, 17043), (459, 17139), (495, 17214), (504, 17244), (617, 17427), (627, 17451), (687, 17595), (695, 17607), (705, 17652), (713, 17667), (765, 17799), (766, 17802), (810, 17901), (817, 17919), (866, 18030), (868, 18036), (889, 18099), (894, 18111),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 139

Candidate Starts for Juice456_18:

(Start: 139 @15928 has 218 MA's), (207, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (282, 16189), (284, 16195), (289, 16213), (300, 16243), (353, 16348), (355, 16354), (375, 16408), (379, 16417), (384, 16429), (388, 16438), (398, 16462), (441, 16549), (467, 16564), (493, 16588), (497, 16603), (499, 16609), (512, 16645), (513, 16648), (516, 16660), (520, 16666), (543, 16714), (550, 16726), (554, 16732), (587, 16792), (592, 16804), (606, 16840), (609, 16852), (616, 16873), (645, 16927), (648, 16936), (660, 16954), (662, 16960), (670, 16990), (751, 17095), (752, 17104), (753, 17107), (765, 17143), (789, 17209), (792, 17221), (820, 17320), (826, 17341), (843, 17374), (858, 17404), (864, 17434), (867, 17443), (869, 17449), (878, 17464), (879, 17467), (883, 17491), (894, 17521), (899, 17533), (904, 17563), (916, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 164

Candidate Starts for Juicebox_19:

(21, 17085), (26, 17160), (27, 17184), (56, 17439), (58, 17457), (77, 17586), (153, 17718), (Start: 164 @17730 has 1 MA's), (Start: 199 @17781 has 1 MA's), (223, 17826), (275, 17943), (372, 18159), (395, 18204), (398, 18213), (495, 18405), (513, 18459), (580, 18531), (667, 18732), (668, 18735), (675, 18762), (676, 18765), (689, 18801), (694, 18807), (699, 18831), (704, 18852), (707, 18861), (714, 18870), (715, 18873), (776, 18990), (810, 19065), (814, 19074), (882, 19260), (883, 19263), (897, 19302), (906, 19341), (925, 19395),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for JuliaChild_29:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (367, 22002), (391, 22053), (393, 22056), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 115

Candidate Starts for Juliette_24:

(Start: 96 @18484 has 3 MA's), (Start: 112 @18514 has 26 MA's), (Start: 115 @18520 has 20 MA's), (Start: 118 @18523 has 149 MA's), (Start: 141 @18538 has 4 MA's), (Start: 181 @18580 has 32 MA's), (208, 18628), (230, 18667), (237, 18682), (245, 18700), (261, 18733), (274, 18763), (287, 18808), (294, 18826), (325, 18898), (330, 18904), (347, 18934), (348, 18937), (375, 19000), (381, 19012), (433, 19147), (446, 19165), (465, 19195), (467, 19201), (476, 19219), (492, 19249), (504, 19288), (589, 19414), (610, 19477), (685, 19678), (701, 19732), (719, 19777), (744, 19822), (753, 19846), (764, 19879), (777, 19912), (810, 19984), (815, 19996), (834, 20047), (837, 20053), (882, 20155), (917, 20281), (929, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 134

Candidate Starts for Jung_19:

(Start: 116 @16287 has 3 MA's), (Start: 134 @16311 has 48 MA's), (184, 16371), (195, 16392), (197, 16395), (259, 16515), (274, 16554), (283, 16587), (292, 16611), (342, 16731), (359, 16770), (360, 16776), (396, 16860), (398, 16866), (402, 16878), (410, 16902), (420, 16929), (437, 16947), (480, 16986), (493, 16992), (500, 17016), (520, 17070), (526, 17082), (531, 17091), (560, 17151), (597, 17229), (609, 17268), (621, 17301), (648, 17367), (662, 17391), (668, 17415), (676, 17445), (763, 17559), (767, 17571), (768, 17574), (770, 17580), (774, 17589), (807, 17697), (836, 17781), (874, 17880), (907, 17988), (923, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 134

Candidate Starts for Juniormint_19:

(Start: 116 @16387 has 3 MA's), (Start: 134 @16411 has 48 MA's), (184, 16471), (195, 16492), (197, 16495), (259, 16615), (274, 16654), (283, 16687), (292, 16711), (342, 16831), (359, 16870), (360, 16876), (396, 16960), (398, 16966), (402, 16978), (410, 17002), (420, 17029), (437, 17047), (480,

17086), (493, 17092), (500, 17116), (520, 17170), (526, 17182), (531, 17191), (560, 17251), (597, 17329), (609, 17368), (621, 17401), (648, 17467), (659, 17482), (662, 17491), (668, 17515), (676, 17545), (680, 17557), (763, 17659), (767, 17671), (768, 17674), (770, 17680), (774, 17689), (807, 17797), (836, 17881), (874, 17980), (907, 18088), (923, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 139

Candidate Starts for Juniper1_16:

(Start: 139 @14801 has 218 MA's), (207, 14888), (218, 14909), (Start: 233 @14933 has 2 MA's), (242, 14957), (248, 14978), (282, 15062), (284, 15068), (289, 15086), (300, 15116), (336, 15188), (353, 15221), (371, 15275), (375, 15281), (382, 15299), (384, 15302), (388, 15311), (398, 15335), (411, 15377), (425, 15410), (441, 15422), (467, 15437), (474, 15443), (493, 15461), (497, 15476), (499, 15482), (512, 15518), (513, 15521), (516, 15533), (520, 15539), (543, 15587), (550, 15599), (554, 15605), (587, 15665), (592, 15677), (606, 15713), (609, 15725), (616, 15746), (645, 15800), (648, 15809), (660, 15827), (662, 15833), (670, 15863), (751, 15968), (752, 15977), (753, 15980), (765, 16016), (779, 16055), (792, 16094), (820, 16193), (826, 16214), (843, 16247), (858, 16277), (864, 16307), (866, 16313), (867, 16316), (869, 16322), (878, 16337), (879, 16340), (882, 16361), (883, 16364), (899, 16406), (916, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 117

Candidate Starts for JustASigh_18:

(1, 15306), (2, 15348), (3, 15354), (8, 15468), (12, 15660), (16, 15693), (21, 15771), (30, 15906), (98, 16320), (Start: 117 @16356 has 24 MA's), (194, 16446), (210, 16476), (230, 16509), (278, 16623), (313, 16722), (381, 16863), (387, 16878), (465, 17034), (467, 17040), (468, 17043), (500, 17115), (505, 17130), (510, 17145), (535, 17196), (587, 17244), (660, 17412), (732, 17604), (810, 17772), (824, 17811), (852, 17865), (864, 17895), (880, 17934), (890, 17970), (895, 17982), (910, 18042),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 150

Candidate Starts for KADY_30:

(Start: 150 @20463 has 625 MA's), (Start: 199 @20520 has 1 MA's), (208, 20535), (226, 20568), (237, 20589), (Start: 244 @20604 has 1 MA's), (279, 20691), (283, 20703), (284, 20706), (320, 20781), (330, 20796), (351, 20832), (445, 21039), (500, 21153), (514, 21192), (562, 21279), (613, 21393), (622, 21417), (631, 21435), (668, 21516), (696, 21591), (699, 21609), (708, 21642), (714, 21648), (727, 21687), (752, 21741), (753, 21744), (761, 21765), (780, 21822), (837, 21990), (877, 22095), (879, 22101), (916, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 152

Candidate Starts for KBG_28:

(Start: 152 @21996 has 219 MA's), (Start: 173 @22017 has 4 MA's), (Start: 199 @22059 has 1 MA's), (223, 22104), (320, 22320), (347, 22365), (353, 22374), (391, 22464), (393, 22467), (491, 22662), (514, 22731), (609, 22920), (613, 22932), (614, 22935), (622, 22956), (667, 23052), (668, 23055), (670, 23061), (696, 23130), (699, 23148), (701, 23157), (714, 23187), (753, 23283), (764, 23316), (769, 23331), (815, 23472), (837, 23529), (879, 23640), (925, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for KFPoly_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (907, 21549), (911, 21564), (916, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 152

Candidate Starts for KSSJEB_27:

(Start: 152 @20890 has 219 MA's), (Start: 173 @20911 has 4 MA's), (Start: 199 @20953 has 1 MA's), (223, 20998), (320, 21214), (347, 21259), (353, 21268), (367, 21307), (391, 21358), (393, 21361), (491, 21556), (514, 21625), (613, 21826), (614, 21829), (622, 21850), (667, 21946), (668, 21949), (670, 21955), (696, 22024), (699, 22042), (701, 22051), (714, 22081), (753, 22177), (764, 22210), (769, 22225), (815, 22366), (837, 22423), (879, 22534),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 162

Candidate Starts for Kabluna_44:

(Start: 162 @29561 has 92 MA's), (Start: 174 @29573 has 18 MA's), (237, 29675), (275, 29759), (363, 29942), (398, 30008), (403, 30023), (412, 30047), (461, 30134), (475, 30164), (477, 30167), (501, 30224), (531, 30296), (603, 30401), (648, 30488), (666, 30536), (706, 30662), (733, 30698), (797, 30809), (821, 30884), (894, 31061), (904, 31103), (923, 31160),

Gene: Kachowdy_27 Start: 19960, Stop: 21759, Start Num: 150

Candidate Starts for Kachowdy_27:

(Start: 150 @19960 has 625 MA's), (Start: 199 @20020 has 1 MA's), (237, 20089), (279, 20191), (283, 20203), (284, 20206), (320, 20281), (330, 20296), (332, 20299), (353, 20335), (407, 20470), (445, 20539), (500, 20653), (562, 20779), (613, 20893), (622, 20917), (627, 20929), (631, 20935), (668, 21016), (696, 21091), (699, 21109), (701, 21118), (708, 21142), (714, 21148), (719, 21163), (740, 21205), (751, 21232), (752, 21241), (753, 21244), (761, 21265), (764, 21277), (837, 21490), (877, 21595), (879, 21601), (916, 21736),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 138

Candidate Starts for Kalah2_37:

(Start: 138 @27936 has 76 MA's), (Start: 205 @28026 has 48 MA's), (230, 28074), (242, 28104), (292, 28233), (301, 28263), (347, 28362), (360, 28398), (372, 28425), (402, 28497), (405, 28506), (411, 28527), (474, 28596), (499, 28635), (500, 28638), (505, 28653), (520, 28692), (543, 28740), (550, 28752), (554, 28758), (572, 28806), (577, 28815), (589, 28836), (597, 28854), (612, 28902), (660, 29004), (676, 29064), (680, 29076), (758, 29160), (762, 29172), (763, 29178), (767, 29190), (768, 29193), (781, 29232), (789, 29250), (799, 29286), (800, 29292), (826, 29379), (863, 29469), (880, 29511), (885, 29529), (895, 29559), (905, 29601), (923, 29655),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 150

Candidate Starts for Kalb97_30:

(Start: 150 @20459 has 625 MA's), (Start: 199 @20516 has 1 MA's), (208, 20531), (237, 20585), (Start: 244 @20600 has 1 MA's), (279, 20687), (283, 20699), (284, 20702), (320, 20777), (330, 20792), (445, 21035), (514, 21188), (562, 21275), (608, 21368), (613, 21389), (622, 21413), (627, 21425), (631, 21431), (668, 21512), (696, 21587), (699, 21605), (701, 21614), (708, 21638), (714, 21644), (719, 21659), (727, 21683), (752, 21737), (753, 21740), (761, 21761), (877, 22091), (879, 22097), (916, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Kalnoky_30:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (837, 21987), (877, 22092), (879, 22098), (916, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 130

Candidate Starts for Kalpine_31:

(Start: 130 @21962 has 8 MA's), (Start: 150 @21986 has 625 MA's), (283, 22220), (284, 22223), (319, 22295), (320, 22298), (353, 22352), (355, 22358), (367, 22391), (401, 22469), (445, 22556), (487, 22637), (491, 22640), (500, 22670), (613, 22910), (614, 22913), (631, 22952), (664, 23018), (668, 23033), (714, 23165), (743, 23213), (753, 23243), (764, 23276), (769, 23291), (771, 23297), (790, 23351), (805, 23405), (837, 23489), (864, 23555), (868, 23567), (877, 23594), (879, 23600),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 150

Candidate Starts for Kamaru_20:

(120, 16382), (Start: 150 @16421 has 625 MA's), (Start: 160 @16433 has 22 MA's), (191, 16472), (213, 16511), (226, 16532), (249, 16580), (255, 16589), (273, 16631), (283, 16667), (305, 16724), (330, 16772), (345, 16799), (405, 16940), (430, 16997), (443, 17015), (455, 17024), (458, 17030), (480, 17078), (492, 17108), (503, 17144), (505, 17150), (513, 17171), (514, 17174), (540, 17225), (581, 17252), (582, 17255), (596, 17282), (606, 17309), (633, 17381), (659, 17420), (677, 17474), (695, 17516), (720, 17591), (757, 17654), (765, 17681), (766, 17684), (771, 17699), (810, 17783), (814, 17792), (815, 17795), (817, 17801), (821, 17813), (822, 17816), (835, 17846), (838, 17852), (852, 17873), (853, 17876), (868, 17930), (879, 17960), (880, 17969), (896, 18020), (904, 18053), (908, 18065), (913, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 105

Candidate Starts for Kamashten_34:

(97, 30795), (Start: 105 @30813 has 84 MA's), (Start: 129 @30849 has 1 MA's), (226, 30987), (272, 31083), (275, 31092), (296, 31161), (320, 31212), (347, 31257), (355, 31272), (391, 31353), (407, 31398), (410, 31407), (430, 31446), (466, 31497), (467, 31500), (480, 31527), (487, 31542), (495, 31566), (504, 31596), (585, 31701), (631, 31818), (641, 31836), (647, 31851), (664, 31881), (667, 31893), (668, 31896), (676, 31923), (815, 32247), (816, 32250), (834, 32298), (852, 32325), (860, 32352), (877, 32406), (883, 32433), (919, 32562),

Gene: Kampy_27 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for Kampy_27:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 152

Candidate Starts for Kanely_28:

(Start: 152 @21700 has 219 MA's), (Start: 173 @21721 has 4 MA's), (Start: 199 @21763 has 1 MA's), (223, 21808), (320, 22024), (347, 22069), (353, 22078), (367, 22117), (391, 22168), (393, 22171), (491, 22366), (514, 22435), (613, 22636), (614, 22639), (622, 22660), (667, 22756), (668, 22759), (670, 22765), (696, 22834), (699, 22852), (701, 22861), (714, 22891), (753, 22987), (764, 23020), (769, 23035), (815, 23176), (837, 23233), (879, 23344),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 144

Candidate Starts for Kanye_26:

(Start: 144 @20732 has 125 MA's), (Start: 205 @20816 has 48 MA's), (Start: 244 @20894 has 1 MA's), (279, 20981), (284, 20996), (300, 21044), (317, 21083), (359, 21170), (372, 21203), (388, 21239), (400, 21269), (402, 21275), (437, 21344), (495, 21374), (498, 21386), (499, 21389), (520, 21446), (589, 21578), (591, 21584), (614, 21650), (616, 21656), (625, 21680), (648, 21728), (662, 21752), (664, 21761), (688, 21836), (752, 21887), (758, 21902), (809, 22064), (817, 22091), (826, 22121), (868, 22226), (897, 22304), (904, 22340), (907, 22349), (916, 22382), (923, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 177

Candidate Starts for KappaFarmDelta_19:

(Start: 141 @16782 has 4 MA's), (Start: 177 @16818 has 46 MA's), (237, 16920), (273, 16998), (316, 17097), (338, 17136), (361, 17181), (377, 17217), (400, 17271), (405, 17286), (415, 17319), (447, 17367), (454, 17370), (495, 17457), (504, 17487), (617, 17670), (627, 17694), (687, 17838), (695, 17850), (713, 17910), (765, 18042), (766, 18045), (810, 18144), (817, 18162), (837, 18213), (866, 18273), (868, 18279), (889, 18342), (894, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Kareem_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 139

Candidate Starts for Karhdo_16:

(Start: 139 @14934 has 218 MA's), (207, 15021), (Start: 233 @15066 has 2 MA's), (242, 15090), (266, 15147), (282, 15195), (284, 15201), (289, 15219), (300, 15249), (353, 15354), (371, 15408), (375, 15414), (379, 15423), (384, 15435), (388, 15444), (398, 15468), (410, 15504), (411, 15510), (415, 15522), (425, 15543), (427, 15546), (441, 15555), (467, 15570), (474, 15576), (493, 15594), (497, 15609), (499, 15615), (505, 15633), (506, 15636), (512, 15651), (516, 15666), (520, 15672), (534, 15702), (543, 15720), (550, 15732), (554, 15738), (587, 15798), (592, 15810), (606, 15846), (609, 15858), (616, 15879), (645, 15933), (648, 15942), (662, 15966), (670, 15996), (751, 16101), (753, 16113), (765, 16149), (779, 16188), (792, 16227), (820, 16326), (826, 16347), (843, 16380), (858, 16410), (864, 16440), (867, 16449), (869, 16455), (878, 16470), (879, 16473), (882, 16494), (883, 16497), (899, 16539), (904, 16569), (916, 16611), (917, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Kari_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 112

Candidate Starts for Kasen3_18:

(Start: 112 @16641 has 26 MA's), (Start: 138 @16650 has 76 MA's), (Start: 144 @16656 has 125 MA's), (149, 16662), (237, 16794), (261, 16845), (274, 16875), (280, 16899), (320, 17001), (344, 17040), (347, 17046), (355, 17061), (371, 17106), (419, 17226), (450, 17283), (467, 17322), (492, 17370), (500, 17397), (504, 17409), (548, 17490), (589, 17535), (668, 17733), (677, 17763), (685, 17781), (696, 17808), (723, 17892), (742, 17910), (749, 17925), (764, 17973), (769, 17988), (802, 18051), (821, 18108), (837, 18147), (858, 18189), (880, 18240), (907, 18336), (929, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 138

Candidate Starts for KashFlow_28:

(Start: 138 @23344 has 76 MA's), (Start: 205 @23434 has 48 MA's), (207, 23437), (255, 23539), (279, 23605), (292, 23641), (301, 23671), (308, 23686), (347, 23770), (360, 23806), (372, 23833), (390,

23872), (402, 23905), (405, 23914), (427, 23971), (479, 24013), (515, 24088), (520, 24100), (550, 24160), (572, 24214), (589, 24244), (597, 24262), (602, 24271), (610, 24304), (614, 24316), (616, 24322), (631, 24361), (662, 24418), (758, 24568), (763, 24586), (778, 24628), (787, 24652), (788, 24655), (792, 24670), (800, 24700), (809, 24730), (826, 24787), (885, 24937), (919, 25057), (923, 25063),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 150

Candidate Starts for Katalie136_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19886 has 1 MA's), (237, 19955), (273, 20033), (279, 20057), (283, 20069), (284, 20072), (300, 20108), (320, 20147), (353, 20201), (393, 20294), (401, 20318), (445, 20405), (500, 20519), (514, 20558), (562, 20645), (587, 20690), (613, 20759), (622, 20783), (627, 20795), (668, 20882), (696, 20957), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (719, 21029), (734, 21062), (752, 21107), (753, 21110), (761, 21131), (837, 21356), (868, 21434), (877, 21461), (879, 21467), (916, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 150

Candidate Starts for KatherineG_30:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 150

Candidate Starts for KayGee_18:

(Start: 140 @15415 has 9 MA's), (Start: 150 @15418 has 625 MA's), (222, 15517), (245, 15559), (351, 15799), (387, 15886), (397, 15907), (400, 15916), (409, 15943), (430, 15988), (458, 16021), (465, 16036), (476, 16060), (490, 16093), (500, 16126), (504, 16138), (528, 16195), (567, 16225), (580, 16243), (594, 16273), (606, 16303), (627, 16366), (657, 16417), (668, 16453), (673, 16468), (678, 16486), (699, 16543), (701, 16552), (765, 16672), (769, 16684), (798, 16732), (814, 16783), (815, 16786), (821, 16804), (858, 16882), (864, 16909), (879, 16951), (919, 17098), (923, 17104),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 150

Candidate Starts for Kazan_31:

(102, 19916), (Start: 130 @19958 has 8 MA's), (Start: 150 @19982 has 625 MA's), (273, 20180), (284, 20219), (319, 20291), (320, 20294), (332, 20312), (353, 20348), (355, 20354), (401, 20465), (403, 20471), (415, 20510), (445, 20552), (467, 20591), (487, 20633), (491, 20636), (509, 20696), (624, 20933), (631, 20948), (668, 21029), (714, 21161), (769, 21287), (788, 21338), (790, 21347), (801, 21386), (802, 21389), (805, 21401), (837, 21485), (877, 21590), (879, 21596), (916, 21731),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 142

Candidate Starts for Keelan_51:

(Start: 142 @27923 has 6 MA's), (226, 28037), (300, 28223), (330, 28277), (401, 28433), (457, 28535), (480, 28583), (500, 28640), (609, 28817), (632, 28874), (638, 28883), (667, 28946), (699, 29042), (701, 29051), (742, 29108), (769, 29183), (775, 29198), (814, 29282), (852, 29363), (853, 29366), (858, 29381), (879, 29450), (914, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 105

Candidate Starts for Keitabear_35:

(97, 32160), (Start: 105 @32178 has 84 MA's), (Start: 129 @32214 has 1 MA's), (226, 32352), (272, 32448), (275, 32457), (296, 32526), (320, 32577), (347, 32622), (355, 32637), (391, 32718), (407, 32763), (410, 32772), (466, 32862), (480, 32892), (487, 32907), (495, 32931), (504, 32961), (585, 33066), (631, 33183), (641, 33201), (647, 33216), (667, 33258), (668, 33261), (676, 33288), (810,

33600), (815, 33612), (816, 33615), (834, 33663), (852, 33690), (860, 33717), (877, 33771), (908, 33888), (925, 33936),

Gene: KekoraPapaka_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for KekoraPapaka_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 152

Candidate Starts for Kenmech_30:

(Start: 152 @22406 has 219 MA's), (Start: 173 @22427 has 4 MA's), (Start: 199 @22469 has 1 MA's), (223, 22514), (320, 22730), (347, 22775), (353, 22784), (367, 22823), (391, 22874), (393, 22877), (491, 23072), (514, 23141), (613, 23342), (614, 23345), (622, 23366), (667, 23462), (668, 23465), (670, 23471), (696, 23540), (699, 23558), (701, 23567), (714, 23597), (753, 23693), (764, 23726), (769, 23741), (815, 23882), (837, 23939), (879, 24050),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 150

Candidate Starts for Kenna_19:

(120, 16389), (Start: 150 @16428 has 625 MA's), (Start: 160 @16440 has 22 MA's), (191, 16479), (213, 16518), (226, 16539), (249, 16587), (255, 16596), (273, 16638), (283, 16674), (305, 16731), (330, 16779), (345, 16806), (405, 16947), (430, 17004), (443, 17022), (455, 17031), (458, 17037), (492, 17115), (503, 17151), (505, 17157), (513, 17178), (514, 17181), (540, 17232), (581, 17259), (582, 17262), (596, 17289), (606, 17316), (633, 17388), (659, 17427), (677, 17481), (695, 17523), (720, 17598), (757, 17661), (765, 17688), (766, 17691), (771, 17706), (810, 17790), (814, 17799), (815, 17802), (817, 17808), (821, 17820), (822, 17823), (835, 17853), (838, 17859), (852, 17880), (853, 17883), (868, 17937), (879, 17967), (880, 17976), (896, 18027), (904, 18060), (908, 18072), (913, 18090),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 139

Candidate Starts for Kenuha5_16:

(Start: 139 @14929 has 218 MA's), (207, 15016), (Start: 233 @15061 has 2 MA's), (242, 15085), (282, 15190), (284, 15196), (289, 15214), (300, 15244), (353, 15349), (375, 15409), (384, 15430), (388, 15439), (398, 15463), (411, 15505), (425, 15538), (441, 15550), (467, 15565), (474, 15571), (493, 15589), (497, 15604), (499, 15610), (512, 15646), (513, 15649), (516, 15661), (520, 15667), (525, 15676), (543, 15715), (550, 15727), (554, 15733), (587, 15793), (592, 15805), (606, 15841), (609, 15853), (645, 15928), (648, 15937), (660, 15955), (662, 15961), (670, 15991), (751, 16096), (752, 16105), (753, 16108), (765, 16144), (792, 16222), (826, 16342), (858, 16405), (864, 16435), (867, 16444), (869, 16450), (878, 16465), (879, 16468), (883, 16492), (894, 16522), (899, 16534), (916, 16606),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for Kerberos_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (253, 20202), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 118

Candidate Starts for Keshu_22:

(Start: 112 @17570 has 26 MA's), (Start: 118 @17579 has 149 MA's), (206, 17681), (237, 17738), (261, 17789), (274, 17819), (280, 17843), (381, 18074), (385, 18083), (391, 18095), (424, 18188), (426, 18191), (467, 18263), (470, 18272), (487, 18305), (492, 18311), (504, 18350), (516, 18386), (589, 18476), (610, 18539), (651, 18626), (685, 18719), (707, 18794), (753, 18875), (769, 18923), (785, 18947), (799, 18974), (817, 19031), (834, 19076), (880, 19178), (888, 19205), (904, 19265), (907, 19274), (913, 19295), (917, 19313), (921, 19319), (929, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 144

Candidate Starts for Kevin1_18:

(Start: 144 @14957 has 125 MA's), (Start: 169 @14984 has 1 MA's), (Start: 233 @15089 has 2 MA's), (236, 15101), (252, 15137), (274, 15188), (279, 15209), (282, 15218), (284, 15224), (292, 15245), (295, 15257), (371, 15431), (375, 15437), (382, 15455), (388, 15467), (390, 15470), (398, 15491), (425, 15566), (467, 15593), (493, 15617), (494, 15620), (497, 15632), (512, 15674), (516, 15689), (520, 15695), (525, 15704), (543, 15743), (564, 15797), (587, 15821), (609, 15881), (634, 15947), (645, 15956), (648, 15965), (669, 16016), (670, 16019), (751, 16124), (765, 16172), (789, 16238), (808, 16310), (864, 16463), (867, 16472), (878, 16493), (880, 16508), (883, 16520), (897, 16556), (899, 16562),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 105

Candidate Starts for Kewpiedoll_34:

(97, 30202), (Start: 105 @30220 has 84 MA's), (Start: 129 @30256 has 1 MA's), (226, 30394), (272, 30490), (275, 30499), (296, 30568), (320, 30619), (347, 30664), (355, 30679), (391, 30760), (407, 30805), (410, 30814), (466, 30904), (480, 30934), (487, 30949), (495, 30973), (504, 31003), (585, 31108), (631, 31225), (641, 31243), (647, 31258), (664, 31288), (667, 31300), (668, 31303), (676, 31330), (815, 31654), (816, 31657), (834, 31705), (852, 31732), (860, 31759), (877, 31813), (883, 31840), (919, 31969),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 150

Candidate Starts for Keziacharles14_28:

(Start: 148 @19839 has 18 MA's), (Start: 150 @19842 has 625 MA's), (255, 19998), (284, 20079), (319, 20151), (320, 20154), (330, 20169), (353, 20208), (355, 20214), (375, 20265), (387, 20292), (391, 20298), (401, 20325), (403, 20331), (419, 20379), (445, 20412), (487, 20493), (491, 20496), (509, 20556), (580, 20682), (608, 20745), (660, 20859), (668, 20889), (674, 20907), (734, 21069), (753, 21117), (764, 21150), (769, 21165), (778, 21189), (801, 21264), (805, 21279), (837, 21363), (869, 21444), (877, 21468), (890, 21519), (907, 21576),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 115

Candidate Starts for KiSi_22:

(Start: 96 @16286 has 3 MA's), (Start: 112 @16316 has 26 MA's), (Start: 115 @16322 has 20 MA's), (Start: 144 @16349 has 125 MA's), (170, 16376), (237, 16490), (261, 16541), (283, 16604), (325, 16706), (330, 16712), (363, 16784), (381, 16820), (385, 16829), (401, 16868), (416, 16916), (424, 16934), (446, 16973), (449, 16976), (459, 16991), (465, 17003), (467, 17009), (487, 17051), (492, 17057), (500, 17084), (589, 17222), (598, 17240), (602, 17252), (628, 17330), (665, 17402), (668, 17414), (685, 17462), (707, 17537), (753, 17621), (764, 17654), (766, 17660), (777, 17687), (815, 17771), (817, 17777), (834, 17822), (837, 17828), (880, 17921), (907, 18017), (929, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 162

Candidate Starts for KidneyBean_41:

(Start: 162 @30603 has 92 MA's), (Start: 190 @30639 has 1 MA's), (201, 30657), (237, 30717), (355, 30957), (358, 30969), (363, 30984), (398, 31050), (403, 31065), (412, 31089), (413, 31092), (461, 31176), (475, 31206), (477, 31209), (501, 31266), (517, 31314), (519, 31317), (531, 31338), (603,

31443), (625, 31488), (648, 31530), (706, 31704), (724, 31734), (733, 31740), (796, 31848), (797, 31851), (821, 31926), (904, 32145), (923, 32202),

Gene: KikiBouba_29 Start: 22424, Stop: 24226, Start Num: 152

Candidate Starts for KikiBouba_29:

(Start: 152 @22424 has 219 MA's), (Start: 173 @22445 has 4 MA's), (Start: 199 @22487 has 1 MA's), (223, 22532), (320, 22748), (347, 22793), (353, 22802), (367, 22841), (391, 22892), (393, 22895), (491, 23090), (514, 23159), (613, 23360), (614, 23363), (622, 23384), (667, 23480), (668, 23483), (670, 23489), (696, 23558), (699, 23576), (701, 23585), (714, 23615), (753, 23711), (764, 23744), (769, 23759), (780, 23789), (815, 23900), (837, 23957), (879, 24068), (925, 24221),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 157

Candidate Starts for Kiko_20:

(120, 16663), (Start: 129 @16675 has 1 MA's), (Start: 157 @16705 has 7 MA's), (249, 16858), (275, 16915), (279, 16933), (283, 16945), (289, 16966), (325, 17044), (380, 17152), (391, 17176), (400, 17200), (430, 17272), (466, 17323), (503, 17419), (514, 17449), (565, 17503), (568, 17509), (596, 17557), (652, 17683), (699, 17818), (700, 17824), (701, 17827), (736, 17893), (771, 17980), (815, 18076), (816, 18079), (821, 18094), (852, 18154), (881, 18253), (882, 18259), (908, 18346), (923, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for KilKor_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 152

Candidate Starts for Killigrew_25:

(Start: 152 @20612 has 219 MA's), (Start: 173 @20633 has 4 MA's), (Start: 199 @20675 has 1 MA's), (223, 20720), (320, 20936), (347, 20981), (353, 20990), (391, 21080), (393, 21083), (491, 21278), (514, 21347), (613, 21548), (614, 21551), (622, 21572), (667, 21668), (668, 21671), (670, 21677), (696, 21746), (699, 21764), (701, 21773), (714, 21803), (753, 21899), (764, 21932), (769, 21947), (815, 22088), (837, 22145), (879, 22256), (925, 22409),

Gene: Kimba_28 Start: 20807, Stop: 22606, Start Num: 150

Candidate Starts for Kimba_28:

(102, 20741), (Start: 130 @20783 has 8 MA's), (Start: 150 @20807 has 625 MA's), (Start: 193 @20849 has 3 MA's), (245, 20945), (253, 20960), (283, 21041), (284, 21044), (320, 21119), (330, 21134), (353, 21173), (355, 21179), (375, 21230), (401, 21290), (403, 21296), (445, 21377), (491, 21461), (541, 21587), (552, 21605), (568, 21632), (631, 21773), (664, 21839), (667, 21851), (668, 21854), (734, 22043), (747, 22070), (751, 22079), (757, 22100), (758, 22103), (764, 22124), (769, 22139), (778, 22163), (801, 22238), (805, 22253), (837, 22337), (877, 22442), (879, 22448), (894, 22502), (925, 22601),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 139

Candidate Starts for Kimberlium_18:

(Start: 139 @15928 has 218 MA's), (207, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (282, 16189), (284, 16195), (289, 16213), (300, 16243), (353, 16348), (355, 16354), (375, 16408), (379, 16417), (384, 16429), (388, 16438), (398, 16462), (441, 16549), (467, 16564), (493, 16588), (497,

16603), (499, 16609), (512, 16645), (513, 16648), (516, 16660), (520, 16666), (543, 16714), (550, 16726), (554, 16732), (587, 16792), (592, 16804), (606, 16840), (609, 16852), (616, 16873), (645, 16927), (648, 16936), (660, 16954), (662, 16960), (670, 16990), (751, 17095), (752, 17104), (753, 17107), (765, 17143), (789, 17209), (792, 17221), (820, 17320), (826, 17341), (843, 17374), (858, 17404), (864, 17434), (867, 17443), (869, 17449), (878, 17464), (879, 17467), (883, 17491), (894, 17521), (899, 17533), (904, 17563), (916, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 144

Candidate Starts for Kimchi_26:

(Start: 144 @19739 has 125 MA's), (Start: 205 @19823 has 48 MA's), (Start: 244 @19901 has 1 MA's), (279, 19988), (284, 20003), (300, 20051), (317, 20090), (359, 20177), (372, 20210), (388, 20246), (400, 20276), (402, 20282), (437, 20351), (495, 20381), (498, 20393), (499, 20396), (520, 20453), (589, 20585), (591, 20591), (614, 20657), (616, 20663), (625, 20687), (648, 20735), (662, 20759), (664, 20768), (688, 20843), (752, 20894), (758, 20909), (809, 21071), (817, 21098), (826, 21128), (868, 21233), (897, 21311), (904, 21347), (907, 21356), (916, 21389), (923, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 165

Candidate Starts for Kimchi1738_31:

(Start: 165 @27570 has 39 MA's), (241, 27669), (273, 27738), (284, 27777), (354, 27912), (378, 27972), (464, 28125), (469, 28137), (473, 28146), (475, 28149), (496, 28194), (501, 28209), (504, 28218), (507, 28227), (531, 28281), (539, 28299), (586, 28353), (681, 28569), (718, 28662), (783, 28770), (805, 28824), (833, 28899), (884, 29028), (922, 29154),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 105

Candidate Starts for KimmyK_33:

(86, 26533), (Start: 105 @26575 has 84 MA's), (Start: 129 @26611 has 1 MA's), (Start: 155 @26644 has 12 MA's), (274, 26854), (275, 26857), (283, 26887), (310, 26953), (320, 26977), (326, 26986), (345, 27019), (410, 27172), (430, 27211), (466, 27262), (470, 27274), (480, 27292), (486, 27304), (490, 27316), (495, 27331), (504, 27361), (505, 27364), (513, 27385), (581, 27457), (603, 27505), (647, 27616), (665, 27649), (676, 27688), (677, 27691), (701, 27763), (740, 27829), (744, 27841), (815, 28012), (816, 28015), (834, 28063), (852, 28090), (860, 28117), (877, 28171), (908, 28288), (914, 28309), (925, 28336),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 150

Candidate Starts for Kimona_24:

(Start: 150 @17863 has 625 MA's), (Start: 180 @17884 has 1 MA's), (237, 17986), (239, 17989), (245, 18004), (283, 18100), (284, 18103), (320, 18178), (330, 18193), (353, 18232), (391, 18322), (407, 18367), (445, 18436), (491, 18520), (500, 18550), (509, 18580), (513, 18586), (520, 18604), (562, 18676), (587, 18721), (613, 18790), (622, 18814), (627, 18826), (631, 18832), (668, 18913), (699, 19006), (701, 19015), (714, 19045), (719, 19060), (752, 19138), (753, 19141), (761, 19162), (812, 19324), (837, 19387), (876, 19489), (879, 19498), (904, 19591), (909, 19609), (925, 19651),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Kinbote_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 150

Candidate Starts for KingCyrus_30:

(Start: 130 @20576 has 8 MA's), (Start: 150 @20600 has 625 MA's), (226, 20699), (266, 20783), (283, 20834), (284, 20837), (319, 20909), (320, 20912), (353, 20966), (367, 21005), (387, 21050), (401, 21083), (445, 21170), (487, 21251), (491, 21254), (614, 21527), (664, 21632), (668, 21647), (708, 21773), (714, 21779), (743, 21827), (747, 21836), (753, 21857), (764, 21890), (769, 21905), (771, 21911), (790, 21965), (801, 22004), (805, 22019), (837, 22103), (879, 22214),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 139

Candidate Starts for KingJulian_16:

(Start: 139 @14843 has 218 MA's), (207, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (282, 15104), (284, 15110), (289, 15128), (300, 15158), (353, 15263), (375, 15323), (384, 15344), (388, 15353), (396, 15371), (398, 15377), (493, 15503), (497, 15518), (499, 15524), (512, 15560), (513, 15563), (516, 15575), (520, 15581), (543, 15629), (550, 15641), (554, 15647), (587, 15707), (592, 15719), (606, 15755), (609, 15767), (645, 15842), (648, 15851), (660, 15869), (662, 15875), (670, 15905), (751, 16010), (752, 16019), (753, 16022), (765, 16058), (792, 16136), (820, 16235), (826, 16256), (843, 16289), (858, 16319), (864, 16349), (867, 16358), (869, 16364), (878, 16379), (879, 16382), (883, 16406), (894, 16436), (899, 16448), (904, 16478), (916, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 139

Candidate Starts for KingMidas_17:

(Start: 139 @16108 has 218 MA's), (207, 16195), (Start: 233 @16240 has 2 MA's), (242, 16264), (282, 16369), (284, 16375), (289, 16393), (300, 16423), (353, 16528), (375, 16588), (379, 16597), (388, 16618), (398, 16642), (410, 16678), (411, 16684), (425, 16717), (427, 16720), (441, 16729), (467, 16744), (474, 16750), (493, 16768), (497, 16783), (499, 16789), (505, 16807), (506, 16810), (512, 16825), (513, 16828), (516, 16840), (520, 16846), (543, 16894), (550, 16906), (554, 16912), (587, 16972), (592, 16984), (606, 17020), (609, 17032), (645, 17107), (648, 17116), (660, 17134), (662, 17140), (670, 17170), (751, 17275), (752, 17284), (753, 17287), (765, 17323), (792, 17401), (820, 17500), (826, 17521), (843, 17554), (858, 17584), (860, 17596), (864, 17614), (866, 17620), (867, 17623), (869, 17629), (878, 17644), (879, 17647), (882, 17668), (883, 17671), (899, 17713), (916, 17785), (917, 17791),

Gene: KingPhillip3_55 Start: 33490, Stop: 35226, Start Num: 121

Candidate Starts for KingPhillip3_55:

(Start: 115 @33481 has 20 MA's), (Start: 121 @33490 has 44 MA's), (191, 33580), (248, 33697), (266, 33733), (275, 33754), (282, 33781), (284, 33787), (294, 33817), (302, 33841), (327, 33892), (388, 34030), (392, 34036), (409, 34087), (410, 34090), (415, 34108), (493, 34159), (499, 34180), (500, 34183), (516, 34231), (520, 34237), (543, 34285), (544, 34291), (550, 34297), (573, 34357), (587, 34381), (589, 34384), (606, 34429), (610, 34444), (613, 34453), (616, 34462), (634, 34507), (648, 34525), (664, 34558), (753, 34696), (761, 34717), (782, 34783), (793, 34813), (807, 34867), (820, 34909), (826, 34930), (836, 34951), (843, 34963), (855, 34984), (869, 35038), (897, 35116), (904, 35152), (910, 35173), (917, 35200),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 150

Candidate Starts for Kingmustik0402_27:

(Start: 130 @19795 has 8 MA's), (Start: 150 @19819 has 625 MA's), (Start: 199 @19876 has 1 MA's), (230, 19930), (237, 19945), (245, 19963), (279, 20047), (283, 20059), (284, 20062), (320, 20137), (330, 20152), (353, 20191), (401, 20308), (445, 20395), (487, 20476), (505, 20524), (514, 20548), (562, 20635), (587, 20680), (614, 20752), (622, 20773), (631, 20791), (668, 20872), (699, 20965), (701, 20974), (708, 20998), (714, 21004), (722, 21028), (753, 21082), (761, 21103), (778, 21154), (787, 21178), (802, 21232), (837, 21328), (877, 21433), (880, 21448), (911, 21556), (916, 21574),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 139

Candidate Starts for Kingsley_17:

(Start: 139 @14662 has 218 MA's), (207, 14749), (Start: 233 @14794 has 2 MA's), (242, 14818), (282, 14923), (284, 14929), (289, 14947), (300, 14977), (353, 15082), (375, 15142), (384, 15163), (388, 15172), (398, 15196), (493, 15322), (497, 15337), (499, 15343), (512, 15379), (513, 15382), (516, 15394), (520, 15400), (543, 15448), (550, 15460), (554, 15466), (587, 15526), (592, 15538), (606, 15574), (609, 15586), (645, 15661), (648, 15670), (660, 15688), (662, 15694), (670, 15724), (751, 15829), (752, 15838), (753, 15841), (765, 15877), (792, 15955), (820, 16054), (826, 16075), (843, 16108), (858, 16138), (864, 16168), (867, 16177), (869, 16183), (878, 16198), (879, 16201), (883, 16225), (894, 16255), (899, 16267), (904, 16297), (916, 16339),

Gene: Kinmap_29 Start: 19779, Stop: 21569, Start Num: 150

Candidate Starts for Kinmap_29:

(Start: 150 @19779 has 625 MA's), (283, 20013), (284, 20016), (319, 20088), (320, 20091), (353, 20145), (445, 20349), (487, 20430), (514, 20502), (562, 20589), (614, 20706), (627, 20739), (668, 20826), (751, 21042), (753, 21054), (769, 21102), (801, 21201), (837, 21300), (868, 21378), (879, 21411), (882, 21429), (894, 21465), (916, 21546),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for Kipper29_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (415, 20504), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Kita_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 150

Candidate Starts for KittenMittens_26:

(Start: 130 @17865 has 8 MA's), (Start: 150 @17889 has 625 MA's), (Start: 199 @17946 has 1 MA's), (208, 17961), (237, 18015), (283, 18129), (284, 18132), (320, 18207), (344, 18246), (401, 18378), (445, 18465), (483, 18540), (500, 18579), (514, 18618), (562, 18705), (587, 18750), (613, 18819), (622, 18843), (627, 18855), (631, 18861), (699, 19035), (701, 19044), (708, 19068), (714, 19074), (719, 19089), (743, 19122), (761, 19173), (780, 19230), (781, 19236), (837, 19398), (877, 19503), (879, 19509), (880, 19518), (916, 19644),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 138

Candidate Starts for Klein_37:

(Start: 138 @26895 has 76 MA's), (Start: 205 @26985 has 48 MA's), (230, 27033), (242, 27063), (255, 27090), (292, 27192), (301, 27222), (347, 27321), (360, 27357), (362, 27363), (372, 27384), (402, 27456), (405, 27465), (411, 27486), (499, 27594), (500, 27597), (505, 27612), (520, 27651), (543, 27699), (550, 27711), (554, 27717), (572, 27765), (577, 27774), (589, 27795), (597, 27813), (612, 27861), (660, 27963), (680, 28035), (698, 28080), (700, 28092), (710, 28227), (711, 28233), (712, 28257), (739, 28329), (750, 28356), (828, 28605),

Gene: Klodlith_28 Start: 19699, Stop: 21489, Start Num: 150

Candidate Starts for Klodlith_28:

(102, 19633), (Start: 130 @19675 has 8 MA's), (Start: 150 @19699 has 625 MA's), (283, 19933), (284, 19936), (319, 20008), (320, 20011), (332, 20029), (353, 20065), (355, 20071), (375, 20122), (387, 20149), (391, 20155), (401, 20182), (403, 20188), (445, 20269), (487, 20350), (491, 20353), (509, 20413), (608, 20602), (631, 20665), (660, 20716), (668, 20746), (708, 20872), (753, 20974), (757, 20983), (764, 21007), (769, 21022), (778, 21046), (801, 21121), (805, 21136), (837, 21220), (877, 21325), (879, 21331), (894, 21385), (907, 21433),

Gene: Koan_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Koan_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Koduck_28 Start: 19329, Stop: 21119, Start Num: 150

Candidate Starts for Koduck_28:

(102, 19263), (Start: 130 @19305 has 8 MA's), (Start: 150 @19329 has 625 MA's), (201, 19383), (253, 19482), (273, 19527), (283, 19563), (284, 19566), (319, 19638), (320, 19641), (353, 19695), (355, 19701), (387, 19779), (401, 19812), (403, 19818), (415, 19857), (445, 19899), (487, 19980), (491, 19983), (580, 20169), (613, 20253), (631, 20295), (660, 20346), (668, 20376), (708, 20502), (757, 20613), (758, 20616), (764, 20637), (769, 20652), (778, 20676), (801, 20751), (805, 20766), (837, 20850), (877, 20955), (879, 20961), (882, 20979), (890, 21006), (894, 21015),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for Koella_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (375, 15254), (384, 15275), (388, 15284), (398, 15308), (493, 15434), (497, 15449), (499, 15455), (512, 15491), (513, 15494), (516, 15506), (520, 15512), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (645, 15773), (648, 15782), (660, 15800), (662, 15806), (670, 15836), (751, 15941), (752, 15950), (753, 15953), (765, 15989), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (883, 16337), (894, 16367), (899, 16379), (904, 16409), (916, 16451),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 150

Candidate Starts for Koko_31:

(102, 20248), (Start: 130 @20290 has 8 MA's), (Start: 150 @20314 has 625 MA's), (284, 20551), (319, 20623), (320, 20626), (330, 20641), (353, 20680), (355, 20686), (401, 20797), (403, 20803), (415, 20842), (445, 20884), (467, 20923), (487, 20965), (491, 20968), (562, 21124), (624, 21265), (631, 21280), (714, 21493), (761, 21592), (769, 21619), (788, 21670), (790, 21679), (801, 21718), (805, 21733), (837, 21817), (877, 21922), (879, 21928), (916, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 150

Candidate Starts for Koreni_26:

(Start: 130 @19449 has 8 MA's), (Start: 150 @19473 has 625 MA's), (Start: 199 @19530 has 1 MA's), (230, 19584), (237, 19599), (245, 19617), (279, 19701), (283, 19713), (284, 19716), (320, 19791), (330, 19806), (353, 19845), (401, 19962), (445, 20049), (487, 20130), (505, 20178), (514, 20202), (562, 20289), (587, 20334), (614, 20406), (622, 20427), (631, 20445), (668, 20526), (699, 20619), (701, 20628), (708, 20652), (714, 20658), (722, 20682), (753, 20736), (761, 20757), (778, 20808), (787, 20832), (802, 20886), (837, 20982), (877, 21087), (880, 21102), (911, 21210), (916, 21228),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 144

Candidate Starts for Kostya_24:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 139

Candidate Starts for Krakatau_17:

(Start: 139 @15504 has 218 MA's), (207, 15591), (Start: 233 @15636 has 2 MA's), (242, 15660), (282, 15765), (284, 15771), (289, 15789), (300, 15819), (353, 15924), (375, 15984), (384, 16005), (388, 16014), (398, 16038), (493, 16164), (497, 16179), (499, 16185), (512, 16221), (513, 16224), (516, 16236), (520, 16242), (543, 16290), (550, 16302), (554, 16308), (587, 16368), (592, 16380), (606, 16416), (609, 16428), (645, 16503), (648, 16512), (660, 16530), (662, 16536), (670, 16566), (751, 16671), (752, 16680), (753, 16683), (765, 16719), (792, 16797), (820, 16896), (826, 16917), (843, 16950), (858, 16980), (864, 17010), (867, 17019), (869, 17025), (878, 17040), (879, 17043), (883, 17067), (894, 17097), (899, 17109), (904, 17139), (916, 17181),

Gene: Kratak_27 Start: 19822, Stop: 21600, Start Num: 150

Candidate Starts for Kratak_27:

(Start: 130 @19798 has 8 MA's), (Start: 150 @19822 has 625 MA's), (Start: 199 @19879 has 1 MA's), (230, 19933), (237, 19948), (245, 19966), (279, 20050), (283, 20062), (284, 20065), (320, 20140), (330, 20155), (353, 20194), (401, 20311), (445, 20398), (487, 20479), (505, 20527), (514, 20551), (562, 20638), (587, 20683), (614, 20755), (622, 20776), (631, 20794), (668, 20875), (699, 20968), (701, 20977), (708, 21001), (714, 21007), (722, 21031), (753, 21085), (761, 21106), (778, 21157), (787, 21181), (837, 21331), (877, 21436), (880, 21451), (911, 21559), (916, 21577),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 121

Candidate Starts for Kratio_20:

(Start: 121 @17226 has 44 MA's), (Start: 127 @17232 has 1 MA's), (Start: 147 @17256 has 1 MA's), (Start: 181 @17289 has 32 MA's), (208, 17337), (237, 17391), (261, 17442), (283, 17505), (330, 17613), (381, 17721), (424, 17835), (426, 17838), (449, 17877), (459, 17892), (465, 17904), (467, 17910), (483, 17946), (487, 17952), (492, 17958), (504, 17997), (513, 18021), (589, 18123), (610, 18186), (685, 18366), (719, 18465), (757, 18543), (764, 18567), (766, 18573), (785, 18606), (815, 18684), (817, 18690), (882, 18843), (912, 18948), (913, 18951), (917, 18969),

Gene: Kraw_24 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Kraw_24:

(Start: 96 @18507 has 3 MA's), (Start: 112 @18537 has 26 MA's), (Start: 115 @18543 has 20 MA's), (Start: 118 @18546 has 149 MA's), (Start: 141 @18561 has 4 MA's), (Start: 181 @18603 has 32 MA's), (208, 18651), (230, 18690), (237, 18705), (245, 18723), (261, 18756), (274, 18786), (287, 18831), (294, 18849), (325, 18921), (330, 18927), (347, 18957), (348, 18960), (375, 19023), (381, 19035), (433, 19170), (446, 19188), (465, 19218), (467, 19224), (476, 19242), (492, 19272), (504, 19311), (589, 19437), (610, 19500), (685, 19701), (701, 19755), (719, 19800), (744, 19845), (753, 19869), (764, 19902), (777, 19935), (810, 20007), (815, 20019), (834, 20070), (837, 20076), (882, 20178), (917, 20304), (929, 20325),

Gene: Kremtemulon_27 Start: 19875, Stop: 21653, Start Num: 150

Candidate Starts for Kremtemulon_27:

(Start: 130 @19851 has 8 MA's), (Start: 150 @19875 has 625 MA's), (Start: 199 @19932 has 1 MA's), (230, 19986), (237, 20001), (245, 20019), (279, 20103), (283, 20115), (284, 20118), (320, 20193),

(330, 20208), (353, 20247), (401, 20364), (445, 20451), (487, 20532), (505, 20580), (514, 20604), (562, 20691), (587, 20736), (614, 20808), (622, 20829), (631, 20847), (668, 20928), (699, 21021), (701, 21030), (708, 21054), (714, 21060), (722, 21084), (753, 21138), (761, 21159), (778, 21210), (787, 21234), (802, 21288), (837, 21384), (877, 21489), (880, 21504), (911, 21612), (916, 21630),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 121

Candidate Starts for Krili_55:

(Start: 115 @32976 has 20 MA's), (Start: 121 @32985 has 44 MA's), (191, 33075), (248, 33192), (266, 33228), (275, 33249), (282, 33276), (284, 33282), (294, 33312), (302, 33336), (327, 33387), (388, 33525), (392, 33531), (409, 33582), (410, 33585), (415, 33603), (493, 33654), (499, 33675), (500, 33678), (516, 33726), (520, 33732), (543, 33780), (544, 33786), (550, 33792), (573, 33852), (587, 33876), (589, 33879), (606, 33924), (610, 33939), (613, 33948), (616, 33957), (634, 34002), (648, 34020), (664, 34053), (753, 34191), (761, 34212), (782, 34278), (793, 34308), (807, 34362), (820, 34404), (826, 34425), (836, 34446), (843, 34458), (855, 34479), (869, 34533), (897, 34611), (904, 34647), (910, 34668), (917, 34695),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 181

Candidate Starts for Krishelle_23:

(Start: 168 @16605 has 10 MA's), (Start: 181 @16620 has 32 MA's), (Start: 205 @16662 has 48 MA's), (220, 16689), (241, 16725), (298, 16866), (320, 16911), (383, 17040), (401, 17082), (407, 17100), (410, 17109), (Start: 417 @17133 has 1 MA's), (430, 17151), (458, 17181), (465, 17196), (466, 17199), (483, 17238), (491, 17247), (520, 17331), (580, 17385), (587, 17400), (608, 17448), (614, 17472), (667, 17586), (696, 17664), (704, 17703), (708, 17715), (715, 17724), (743, 17745), (769, 17823), (831, 17970), (871, 18069), (877, 18084), (923, 18237),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 139

Candidate Starts for KristaRAM_17:

(Start: 139 @15479 has 218 MA's), (207, 15566), (Start: 233 @15611 has 2 MA's), (242, 15635), (282, 15740), (284, 15746), (289, 15764), (300, 15794), (353, 15899), (375, 15959), (384, 15980), (388, 15989), (398, 16013), (493, 16139), (497, 16154), (499, 16160), (512, 16196), (513, 16199), (516, 16211), (520, 16217), (543, 16265), (550, 16277), (554, 16283), (587, 16343), (592, 16355), (606, 16391), (609, 16403), (645, 16478), (648, 16487), (660, 16505), (662, 16511), (670, 16541), (751, 16646), (752, 16655), (753, 16658), (765, 16694), (792, 16772), (820, 16871), (826, 16892), (843, 16925), (858, 16955), (864, 16985), (867, 16994), (869, 17000), (878, 17015), (879, 17018), (883, 17042), (894, 17072), (899, 17084), (904, 17114), (916, 17156),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 150

Candidate Starts for Kristoff_28:

(Start: 150 @19986 has 625 MA's), (Start: 199 @20043 has 1 MA's), (208, 20058), (226, 20091), (237, 20112), (279, 20214), (283, 20226), (284, 20229), (320, 20304), (330, 20319), (353, 20358), (401, 20475), (407, 20493), (445, 20562), (483, 20637), (500, 20676), (514, 20715), (562, 20802), (587, 20847), (608, 20895), (613, 20916), (622, 20940), (627, 20952), (631, 20958), (668, 21039), (699, 21132), (701, 21141), (708, 21165), (714, 21171), (719, 21186), (743, 21219), (761, 21270), (766, 21288), (815, 21438), (837, 21495), (853, 21519), (855, 21525), (877, 21600), (879, 21606), (880, 21615), (897, 21666), (916, 21741),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 105

Candidate Starts for Kroos_35:

(Start: 105 @30392 has 84 MA's), (Start: 129 @30428 has 1 MA's), (220, 30557), (226, 30566), (239, 30590), (272, 30662), (275, 30671), (296, 30740), (320, 30791), (347, 30836), (355, 30851), (361, 30869), (391, 30932), (407, 30977), (410, 30986), (480, 31106), (487, 31121), (490, 31130), (495, 31145), (504, 31175), (631, 31397), (641, 31415), (647, 31430), (667, 31472), (668, 31475), (676, 31502), (723, 31622), (766, 31715), (815, 31826), (816, 31829), (834, 31877), (852, 31904), (860,

31931), (877, 31985),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 112

Candidate Starts for Krueger_22:

(Start: 112 @16300 has 26 MA's), (Start: 118 @16309 has 149 MA's), (Start: 144 @16339 has 125 MA's), (230, 16465), (237, 16480), (261, 16531), (274, 16561), (287, 16606), (325, 16696), (347, 16732), (385, 16819), (419, 16912), (424, 16924), (426, 16927), (465, 16993), (467, 16999), (487, 17041), (492, 17047), (552, 17173), (598, 17230), (643, 17347), (665, 17392), (668, 17404), (685, 17452), (707, 17527), (719, 17551), (765, 17647), (815, 17761), (834, 17812), (837, 17818), (880, 17911), (917, 18046), (919, 18049), (929, 18067),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 134

Candidate Starts for Ksquared_19:

(Start: 116 @16383 has 3 MA's), (Start: 134 @16407 has 48 MA's), (184, 16467), (195, 16488), (197, 16491), (259, 16611), (274, 16650), (283, 16683), (292, 16707), (342, 16827), (359, 16866), (360, 16872), (396, 16956), (398, 16962), (402, 16974), (410, 16998), (420, 17025), (437, 17043), (480, 17082), (493, 17088), (500, 17112), (520, 17166), (526, 17178), (531, 17187), (560, 17247), (597, 17325), (609, 17364), (621, 17397), (648, 17463), (659, 17478), (662, 17487), (668, 17511), (676, 17541), (680, 17553), (763, 17655), (767, 17667), (768, 17670), (770, 17676), (774, 17685), (807, 17793), (836, 17877), (874, 17976), (907, 18084), (923, 18132),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 152

Candidate Starts for Kugel_28:

(Start: 152 @21273 has 219 MA's), (Start: 173 @21294 has 4 MA's), (Start: 199 @21336 has 1 MA's), (223, 21381), (320, 21597), (347, 21642), (353, 21651), (367, 21690), (391, 21741), (393, 21744), (491, 21939), (514, 22008), (613, 22209), (614, 22212), (622, 22233), (667, 22329), (668, 22332), (670, 22338), (696, 22407), (699, 22425), (701, 22434), (714, 22464), (753, 22560), (764, 22593), (769, 22608), (815, 22749), (837, 22806), (879, 22917),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 162

Candidate Starts for Kurt_41:

(Start: 162 @30840 has 92 MA's), (Start: 190 @30876 has 1 MA's), (201, 30894), (237, 30954), (355, 31194), (358, 31206), (363, 31221), (398, 31287), (403, 31302), (412, 31326), (413, 31329), (461, 31413), (475, 31443), (477, 31446), (501, 31503), (517, 31551), (519, 31554), (531, 31575), (603, 31680), (625, 31725), (648, 31767), (706, 31941), (724, 31971), (733, 31977), (796, 32085), (797, 32088), (821, 32163), (904, 32382), (923, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 119

Candidate Starts for Kuwabara_19:

(Start: 119 @15987 has 25 MA's), (Start: 128 @15999 has 8 MA's), (Start: 129 @16002 has 1 MA's), (305, 16299), (332, 16350), (337, 16359), (347, 16377), (363, 16419), (367, 16425), (380, 16455), (387, 16473), (407, 16524), (409, 16530), (419, 16560), (456, 16602), (466, 16623), (468, 16629), (480, 16653), (500, 16704), (501, 16707), (512, 16737), (609, 16887), (622, 16923), (676, 17049), (699, 17115), (759, 17238), (765, 17259), (769, 17271), (771, 17277), (775, 17286), (777, 17289), (804, 17343), (815, 17373), (844, 17442), (877, 17529), (879, 17535), (893, 17586), (904, 17631), (916, 17673), (925, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 175

Candidate Starts for Kwekel_32:

(Start: 175 @27487 has 10 MA's), (Start: 180 @27493 has 1 MA's), (189, 27508), (226, 27571), (279, 27694), (283, 27706), (310, 27763), (355, 27841), (405, 27964), (468, 28078), (485, 28108), (500, 28150), (525, 28213), (581, 28261), (585, 28270), (613, 28333), (627, 28369), (695, 28534), (696, 28537), (701, 28564), (721, 28615), (764, 28672), (765, 28675), (785, 28711), (792, 28720), (808,

28777), (810, 28783), (812, 28789), (830, 28837), (834, 28846), (837, 28852), (840, 28855), (858, 28894), (864, 28906), (880, 28951), (900, 29020), (913, 29068), (916, 29080), (923, 29095),

Gene: Kwobi_36 Start: 30378, Stop: 32141, Start Num: 105

Candidate Starts for Kwobi_36:

(Start: 105 @30378 has 84 MA's), (Start: 129 @30414 has 1 MA's), (220, 30543), (226, 30552), (239, 30576), (272, 30648), (275, 30657), (296, 30726), (320, 30777), (347, 30822), (355, 30837), (361, 30855), (391, 30918), (407, 30963), (410, 30972), (480, 31092), (487, 31107), (490, 31116), (495, 31131), (504, 31161), (631, 31383), (641, 31401), (647, 31416), (667, 31458), (668, 31461), (676, 31488), (723, 31608), (766, 31701), (815, 31812), (816, 31815), (834, 31863), (852, 31890), (860, 31917), (877, 31971),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 152

Candidate Starts for KyMonks1A_29:

(Start: 152 @21439 has 219 MA's), (Start: 173 @21460 has 4 MA's), (Start: 199 @21502 has 1 MA's), (223, 21547), (320, 21763), (347, 21808), (353, 21817), (367, 21856), (391, 21907), (393, 21910), (491, 22105), (514, 22174), (613, 22375), (614, 22378), (622, 22399), (667, 22495), (668, 22498), (670, 22504), (696, 22573), (699, 22591), (701, 22600), (714, 22630), (753, 22726), (764, 22759), (769, 22774), (815, 22915), (837, 22972), (879, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Kyee_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 152

Candidate Starts for Kykar_25:

(Start: 152 @20786 has 219 MA's), (Start: 173 @20807 has 4 MA's), (Start: 199 @20849 has 1 MA's), (223, 20894), (320, 21110), (347, 21155), (353, 21164), (367, 21203), (391, 21254), (393, 21257), (491, 21452), (514, 21521), (613, 21722), (614, 21725), (622, 21746), (667, 21842), (668, 21845), (670, 21851), (696, 21920), (699, 21938), (701, 21947), (714, 21977), (753, 22073), (764, 22106), (769, 22121), (815, 22262), (837, 22319), (879, 22430), (925, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 150

Candidate Starts for L5_28:

(102, 19274), (Start: 130 @19316 has 8 MA's), (Start: 150 @19340 has 625 MA's), (201, 19394), (253, 19493), (273, 19538), (283, 19574), (284, 19577), (319, 19649), (320, 19652), (353, 19706), (355, 19712), (387, 19790), (401, 19823), (403, 19829), (415, 19868), (445, 19910), (487, 19991), (491, 19994), (580, 20180), (613, 20264), (631, 20306), (660, 20357), (668, 20387), (708, 20513), (757, 20624), (758, 20627), (764, 20648), (769, 20663), (778, 20687), (801, 20762), (805, 20777), (837, 20861), (877, 20966), (879, 20972), (882, 20990), (890, 21017), (894, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for LBerry_29:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879,

22017), (916, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 150

Candidate Starts for LHTSCC_28:

(Start: 130 @20114 has 8 MA's), (Start: 150 @20138 has 625 MA's), (Start: 155 @20144 has 12 MA's), (Start: 199 @20198 has 1 MA's), (208, 20213), (237, 20267), (245, 20285), (279, 20369), (283, 20381), (284, 20384), (320, 20459), (330, 20474), (353, 20513), (401, 20630), (445, 20717), (487, 20798), (505, 20846), (514, 20870), (562, 20957), (587, 21002), (614, 21074), (622, 21095), (631, 21113), (668, 21194), (696, 21269), (699, 21287), (701, 21296), (708, 21320), (714, 21326), (722, 21350), (751, 21392), (753, 21404), (761, 21425), (778, 21476), (787, 21500), (802, 21554), (837, 21650), (877, 21755), (880, 21770), (911, 21878), (916, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 150

Candidate Starts for LadyBird_28:

(Start: 130 @20147 has 8 MA's), (Start: 150 @20171 has 625 MA's), (226, 20270), (283, 20405), (284, 20408), (319, 20480), (320, 20483), (353, 20537), (355, 20543), (367, 20576), (401, 20654), (445, 20741), (487, 20822), (491, 20825), (614, 21098), (664, 21203), (668, 21218), (708, 21344), (714, 21350), (743, 21398), (764, 21461), (769, 21476), (771, 21482), (781, 21512), (790, 21536), (801, 21575), (805, 21590), (837, 21674),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 165

Candidate Starts for Lamberg_17:

(Start: 165 @14694 has 39 MA's), (239, 14811), (271, 14883), (299, 14961), (363, 15084), (373, 15105), (403, 15174), (404, 15177), (424, 15234), (467, 15309), (495, 15363), (524, 15444), (568, 15504), (648, 15669), (659, 15687), (663, 15702), (668, 15726), (696, 15798), (697, 15801), (700, 15822), (810, 16056), (816, 16071), (831, 16113), (867, 16206), (868, 16209), (882, 16257), (891, 16287), (907, 16344),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Lambert1_28:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 152

Candidate Starts for Lamina13_27:

(Start: 152 @20710 has 219 MA's), (Start: 173 @20731 has 4 MA's), (Start: 199 @20773 has 1 MA's), (223, 20818), (320, 21034), (347, 21079), (353, 21088), (367, 21127), (391, 21178), (393, 21181), (430, 21274), (491, 21376), (514, 21445), (609, 21634), (613, 21646), (614, 21649), (622, 21670), (667, 21766), (668, 21769), (670, 21775), (696, 21844), (699, 21862), (701, 21871), (714, 21901), (753, 21997), (764, 22030), (769, 22045), (815, 22186), (837, 22243), (879, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 150

Candidate Starts for Landor_29:

(Start: 130 @21764 has 8 MA's), (Start: 150 @21788 has 625 MA's), (Start: 244 @21923 has 1 MA's), (253, 21941), (283, 22022), (284, 22025), (319, 22097), (320, 22100), (375, 22211), (387, 22238), (401, 22271), (415, 22316), (445, 22358), (491, 22442), (562, 22598), (581, 22631), (664, 22820), (668, 22835), (708, 22961), (714, 22967), (764, 23078), (769, 23093), (771, 23099), (790, 23153), (801, 23192), (805, 23207), (837, 23291), (877, 23396), (879, 23402), (882, 23420), (890, 23447),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 134

Candidate Starts for Langerak_19:

(Start: 116 @16345 has 3 MA's), (Start: 134 @16369 has 48 MA's), (184, 16429), (195, 16450), (197, 16453), (259, 16573), (274, 16612), (283, 16645), (292, 16669), (342, 16789), (359, 16828), (360, 16834), (396, 16918), (398, 16924), (402, 16936), (410, 16960), (420, 16987), (437, 17005), (480, 17044), (493, 17050), (500, 17074), (520, 17128), (526, 17140), (531, 17149), (560, 17209), (597, 17287), (609, 17326), (621, 17359), (648, 17425), (659, 17440), (662, 17449), (668, 17473), (676, 17503), (680, 17515), (763, 17617), (767, 17629), (768, 17632), (770, 17638), (774, 17647), (807, 17755), (836, 17839), (874, 17938), (907, 18046), (923, 18094),

Gene: LappelDuVide_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for LappelDuVide_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 150

Candidate Starts for Larenn_29:

(Start: 130 @20444 has 8 MA's), (Start: 150 @20468 has 625 MA's), (Start: 244 @20603 has 1 MA's), (253, 20621), (283, 20702), (284, 20705), (298, 20735), (319, 20777), (320, 20780), (353, 20834), (355, 20840), (381, 20903), (387, 20918), (401, 20951), (411, 20984), (445, 21038), (487, 21119), (491, 21122), (500, 21152), (614, 21395), (664, 21500), (668, 21515), (714, 21647), (764, 21758), (769, 21773), (771, 21779), (790, 21833), (801, 21872), (805, 21887), (817, 21920), (879, 22082), (894, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 150

Candidate Starts for LarryKay_29:

(Start: 150 @20465 has 625 MA's), (Start: 199 @20522 has 1 MA's), (208, 20537), (226, 20570), (237, 20591), (Start: 244 @20606 has 1 MA's), (279, 20693), (283, 20705), (284, 20708), (320, 20783), (330, 20798), (351, 20834), (445, 21041), (500, 21155), (514, 21194), (562, 21281), (613, 21395), (622, 21419), (631, 21437), (668, 21518), (696, 21593), (699, 21611), (708, 21644), (714, 21650), (727, 21689), (752, 21743), (753, 21746), (761, 21767), (780, 21824), (837, 21992), (877, 22097), (879, 22103), (916, 22238),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 118

Candidate Starts for LastHope_23:

(Start: 118 @16451 has 149 MA's), (Start: 144 @16481 has 125 MA's), (245, 16640), (261, 16673), (274, 16703), (287, 16748), (294, 16766), (325, 16838), (381, 16952), (385, 16961), (401, 17000), (416, 17048), (424, 17066), (426, 17069), (459, 17123), (467, 17141), (487, 17183), (492, 17189), (500, 17216), (513, 17252), (589, 17354), (598, 17372), (615, 17432), (628, 17462), (643, 17489), (685, 17594), (753, 17753), (765, 17789), (777, 17819), (815, 17903), (834, 17954), (880, 18053), (882, 18062), (897, 18104), (917, 18188), (919, 18191), (929, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for LastJedi_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (375, 15285), (384, 15306), (388, 15315), (398, 15339), (493, 15465), (497, 15480), (499, 15486), (512, 15522), (513, 15525), (516, 15537), (520, 15543), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (645, 15804), (648, 15813), (660, 15831), (662, 15837), (670, 15867), (751,

15972), (752, 15981), (753, 15984), (765, 16020), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (883, 16368), (894, 16398), (899, 16410), (904, 16440), (916, 16482),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 150

Candidate Starts for LastResort_30:

(102, 19030), (Start: 130 @19072 has 8 MA's), (Start: 150 @19096 has 625 MA's), (245, 19234), (272, 19291), (284, 19333), (300, 19369), (320, 19408), (357, 19477), (367, 19501), (393, 19555), (467, 19705), (491, 19750), (500, 19780), (513, 19816), (536, 19867), (561, 19903), (587, 19951), (610, 20011), (667, 20140), (696, 20218), (769, 20419), (771, 20425), (802, 20521), (866, 20686), (897, 20785),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 118

Candidate Starts for LaterM_23:

(Start: 118 @17116 has 149 MA's), (Start: 144 @17146 has 125 MA's), (245, 17305), (261, 17338), (274, 17368), (283, 17401), (287, 17413), (325, 17503), (347, 17539), (351, 17545), (381, 17617), (385, 17626), (401, 17665), (415, 17710), (424, 17731), (426, 17734), (467, 17806), (487, 17848), (492, 17854), (500, 17881), (513, 17917), (548, 17974), (589, 18019), (598, 18037), (615, 18097), (628, 18127), (643, 18154), (685, 18259), (716, 18349), (753, 18418), (765, 18454), (777, 18484), (786, 18493), (815, 18568), (834, 18619), (880, 18718), (897, 18769), (917, 18853), (919, 18856), (929, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 139

Candidate Starts for Latretium_17:

(Start: 139 @15486 has 218 MA's), (207, 15573), (218, 15594), (Start: 233 @15618 has 2 MA's), (242, 15642), (248, 15663), (282, 15747), (284, 15753), (289, 15771), (300, 15801), (353, 15906), (375, 15966), (379, 15975), (384, 15987), (388, 15996), (396, 16014), (398, 16020), (411, 16062), (425, 16095), (441, 16107), (467, 16122), (474, 16128), (493, 16146), (497, 16161), (499, 16167), (506, 16188), (513, 16206), (516, 16218), (520, 16224), (543, 16272), (550, 16284), (554, 16290), (587, 16350), (592, 16362), (606, 16398), (609, 16410), (645, 16485), (648, 16494), (660, 16512), (662, 16518), (670, 16548), (751, 16653), (752, 16662), (753, 16665), (765, 16701), (792, 16779), (820, 16878), (826, 16899), (843, 16932), (858, 16962), (864, 16992), (867, 17001), (869, 17007), (878, 17022), (879, 17025), (883, 17049), (894, 17079), (899, 17091), (904, 17121), (916, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 150

Candidate Starts for Lauer_17:

(Start: 140 @15464 has 9 MA's), (Start: 150 @15467 has 625 MA's), (222, 15566), (245, 15608), (351, 15848), (387, 15935), (397, 15956), (400, 15965), (409, 15992), (430, 16037), (458, 16070), (465, 16085), (476, 16109), (490, 16142), (500, 16175), (504, 16187), (528, 16244), (567, 16274), (580, 16292), (594, 16322), (606, 16352), (627, 16415), (657, 16466), (668, 16502), (673, 16517), (678, 16535), (699, 16592), (701, 16601), (765, 16721), (769, 16733), (798, 16781), (814, 16832), (815, 16835), (821, 16853), (858, 16931), (864, 16958), (879, 17000), (919, 17147), (923, 17153),

Gene: Lavahound_21 Start: 17255, Stop: 19009, Start Num: 118

Candidate Starts for Lavahound_21:

(Start: 96 @17216 has 3 MA's), (Start: 112 @17246 has 26 MA's), (Start: 115 @17252 has 20 MA's), (Start: 118 @17255 has 149 MA's), (Start: 138 @17267 has 76 MA's), (Start: 144 @17273 has 125 MA's), (230, 17399), (237, 17414), (261, 17465), (274, 17495), (283, 17528), (325, 17630), (351, 17672), (381, 17744), (385, 17753), (446, 17897), (449, 17900), (459, 17915), (465, 17927), (467, 17933), (476, 17951), (487, 17975), (492, 17981), (500, 18008), (513, 18044), (598, 18164), (643, 18281), (662, 18314), (665, 18326), (668, 18338), (685, 18386), (764, 18578), (777, 18611), (786, 18620), (810, 18683), (815, 18695), (834, 18746), (837, 18752), (880, 18845), (897, 18896), (907, 18941), (917, 18980), (919, 18983), (929, 19001),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 112

Candidate Starts for LeMond_22:

(Start: 96 @16357 has 3 MA's), (Start: 112 @16387 has 26 MA's), (Start: 115 @16393 has 20 MA's), (Start: 144 @16420 has 125 MA's), (170, 16447), (237, 16561), (261, 16612), (283, 16675), (325, 16777), (330, 16783), (363, 16855), (381, 16891), (385, 16900), (401, 16939), (416, 16987), (424, 17005), (446, 17044), (449, 17047), (459, 17062), (465, 17074), (467, 17080), (487, 17122), (492, 17128), (500, 17155), (589, 17293), (598, 17311), (602, 17323), (628, 17401), (665, 17473), (668, 17485), (685, 17533), (707, 17608), (753, 17692), (764, 17725), (766, 17731), (777, 17758), (815, 17842), (817, 17848), (834, 17893), (837, 17899), (880, 17992), (907, 18088), (929, 18148),

Gene: Lea83_22 Start: 17576, Stop: 19339, Start Num: 118

Candidate Starts for Lea83_22:

(Start: 112 @17567 has 26 MA's), (Start: 118 @17576 has 149 MA's), (Start: 138 @17588 has 76 MA's), (206, 17678), (237, 17735), (261, 17786), (274, 17816), (280, 17840), (381, 18071), (385, 18080), (391, 18092), (419, 18173), (424, 18185), (426, 18188), (467, 18260), (470, 18269), (487, 18302), (492, 18308), (504, 18347), (516, 18383), (589, 18473), (610, 18536), (622, 18566), (651, 18623), (685, 18716), (748, 18854), (753, 18872), (769, 18920), (785, 18944), (799, 18971), (817, 19028), (834, 19073), (880, 19175), (904, 19262), (907, 19271), (913, 19292), (917, 19310), (921, 19316), (929, 19331),

Gene: Lebo14_24 Start: 18639, Stop: 20426, Start Num: 118

Candidate Starts for Lebo14_24:

(Start: 96 @18600 has 3 MA's), (Start: 112 @18630 has 26 MA's), (Start: 115 @18636 has 20 MA's), (Start: 118 @18639 has 149 MA's), (Start: 181 @18696 has 32 MA's), (208, 18744), (230, 18783), (237, 18798), (245, 18816), (261, 18849), (274, 18879), (287, 18924), (294, 18942), (325, 19014), (330, 19020), (347, 19050), (375, 19116), (381, 19128), (433, 19263), (465, 19311), (467, 19317), (476, 19335), (492, 19365), (504, 19404), (589, 19530), (609, 19590), (610, 19593), (616, 19611), (623, 19626), (685, 19794), (701, 19848), (719, 19893), (744, 19938), (753, 19962), (764, 19995), (777, 20028), (810, 20100), (815, 20112), (834, 20163), (837, 20169), (882, 20271), (917, 20397), (929, 20418),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 128

Candidate Starts for Lederberg_17:

(Start: 128 @16305 has 8 MA's), (143, 16326), (206, 16410), (220, 16437), (223, 16443), (281, 16575), (305, 16626), (320, 16659), (325, 16668), (391, 16803), (403, 16836), (409, 16854), (439, 16908), (467, 16953), (495, 17010), (498, 17022), (512, 17061), (563, 17112), (568, 17121), (582, 17142), (609, 17208), (650, 17298), (692, 17406), (706, 17460), (708, 17466), (718, 17484), (772, 17580), (787, 17601), (805, 17646), (866, 17805), (872, 17820), (878, 17835), (880, 17847), (923, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Lemur_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 91

Candidate Starts for Lemuria_19:

(Start: 91 @16718 has 1 MA's), (208, 16865), (237, 16919), (261, 16970), (280, 17024), (311, 17102), (347, 17171), (351, 17177), (467, 17447), (470, 17456), (487, 17489), (492, 17495), (504, 17534),

(515, 17564), (550, 17618), (589, 17660), (643, 17801), (685, 17906), (696, 17933), (703, 17969), (707, 17981), (764, 18098), (798, 18161), (802, 18176), (809, 18200), (834, 18266), (880, 18365), (921, 18506),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 105

Candidate Starts for Lennon_35:

(97, 31947), (Start: 105 @31965 has 84 MA's), (Start: 129 @32001 has 1 MA's), (226, 32139), (272, 32235), (275, 32244), (296, 32313), (320, 32364), (347, 32409), (355, 32424), (391, 32505), (407, 32550), (410, 32559), (466, 32649), (480, 32679), (487, 32694), (495, 32718), (504, 32748), (585, 32853), (631, 32970), (641, 32988), (647, 33003), (664, 33033), (667, 33045), (668, 33048), (676, 33075), (815, 33399), (816, 33402), (834, 33450), (852, 33477), (860, 33504), (877, 33558), (883, 33585), (925, 33723),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for LeoAvram_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (561, 20637), (562, 20640), (587, 20685), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 150

Candidate Starts for Leogania_30:

(Start: 130 @22306 has 8 MA's), (Start: 150 @22330 has 625 MA's), (Start: 244 @22465 has 1 MA's), (253, 22483), (283, 22564), (284, 22567), (319, 22639), (320, 22642), (353, 22696), (401, 22813), (411, 22846), (445, 22900), (478, 22960), (487, 22981), (491, 22984), (580, 23170), (614, 23257), (631, 23296), (668, 23377), (708, 23503), (714, 23509), (722, 23533), (743, 23557), (764, 23620), (769, 23635), (771, 23641), (790, 23695), (801, 23734), (805, 23749), (869, 23914), (879, 23944),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 172

Candidate Starts for Leonard_33:

(Start: 125 @29080 has 1 MA's), (Start: 172 @29137 has 18 MA's), (182, 29149), (200, 29182), (Start: 205 @29191 has 48 MA's), (211, 29203), (230, 29233), (245, 29266), (279, 29350), (283, 29362), (321, 29437), (355, 29497), (365, 29527), (468, 29734), (485, 29764), (500, 29806), (501, 29809), (525, 29869), (581, 29917), (613, 29989), (626, 30022), (627, 30025), (650, 30064), (667, 30103), (695, 30190), (696, 30193), (721, 30271), (765, 30331), (792, 30376), (817, 30457), (840, 30511), (880, 30607), (916, 30736), (923, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 139

Candidate Starts for Leozinho_17:

(Start: 139 @14652 has 218 MA's), (207, 14739), (Start: 233 @14784 has 2 MA's), (242, 14808), (282, 14913), (284, 14919), (289, 14937), (300, 14967), (353, 15072), (375, 15132), (384, 15153), (388, 15162), (396, 15180), (398, 15186), (493, 15312), (497, 15327), (499, 15333), (512, 15369), (513, 15372), (516, 15384), (520, 15390), (543, 15438), (550, 15450), (554, 15456), (587, 15516), (592, 15528), (606, 15564), (609, 15576), (645, 15651), (648, 15660), (660, 15678), (662, 15684), (670, 15714), (751, 15819), (752, 15828), (753, 15831), (765, 15867), (792, 15945), (820, 16044), (826, 16065), (843, 16098), (858, 16128), (864, 16158), (867, 16167), (869, 16173), (878, 16188), (879, 16191), (883, 16215), (894, 16245), (899, 16257), (904, 16287), (916, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 139

Candidate Starts for Leperchaun_16:

(Start: 139 @14796 has 218 MA's), (207, 14883), (Start: 233 @14928 has 2 MA's), (242, 14952), (282, 15057), (284, 15063), (289, 15081), (300, 15111), (353, 15216), (371, 15270), (375, 15276), (384, 15297), (388, 15306), (398, 15330), (493, 15456), (497, 15471), (499, 15477), (512, 15513), (513, 15516), (516, 15528), (520, 15534), (543, 15582), (550, 15594), (554, 15600), (587, 15660), (592, 15672), (606, 15708), (609, 15720), (645, 15795), (648, 15804), (660, 15822), (662, 15828), (670, 15858), (751, 15963), (753, 15975), (765, 16011), (792, 16089), (826, 16209), (843, 16242), (858, 16272), (860, 16284), (864, 16302), (867, 16311), (869, 16317), (878, 16332), (879, 16335), (883, 16359), (899, 16401), (904, 16431), (916, 16473),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 150

Candidate Starts for Leroy_20:

(120, 16396), (Start: 150 @16435 has 625 MA's), (Start: 160 @16447 has 22 MA's), (Start: 163 @16450 has 16 MA's), (191, 16486), (213, 16525), (226, 16546), (247, 16588), (249, 16594), (252, 16597), (259, 16609), (273, 16645), (283, 16681), (305, 16738), (330, 16786), (345, 16813), (391, 16915), (405, 16954), (430, 17011), (443, 17029), (455, 17038), (458, 17044), (480, 17092), (492, 17122), (503, 17158), (505, 17164), (513, 17185), (514, 17188), (540, 17239), (581, 17266), (582, 17269), (596, 17296), (606, 17323), (633, 17395), (659, 17434), (677, 17488), (701, 17560), (720, 17605), (765, 17695), (771, 17713), (810, 17797), (814, 17806), (815, 17809), (817, 17815), (822, 17830), (835, 17860), (838, 17866), (852, 17887), (853, 17890), (868, 17944), (879, 17974), (880, 17983), (896, 18034), (904, 18067), (908, 18079), (913, 18097),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 152

Candidate Starts for Lesedi_26:

(Start: 152 @20868 has 219 MA's), (Start: 173 @20889 has 4 MA's), (Start: 199 @20931 has 1 MA's), (223, 20976), (320, 21192), (347, 21237), (353, 21246), (367, 21285), (391, 21336), (393, 21339), (491, 21534), (514, 21603), (613, 21804), (614, 21807), (622, 21828), (667, 21924), (668, 21927), (670, 21933), (696, 22002), (699, 22020), (701, 22029), (714, 22059), (753, 22155), (764, 22188), (769, 22203), (815, 22344), (837, 22401), (879, 22512),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 121

Candidate Starts for Leston_21:

(Start: 121 @17625 has 44 MA's), (Start: 127 @17631 has 1 MA's), (Start: 147 @17655 has 1 MA's), (Start: 181 @17688 has 32 MA's), (208, 17736), (237, 17790), (261, 17841), (283, 17904), (330, 18012), (381, 18120), (424, 18234), (426, 18237), (459, 18291), (465, 18303), (467, 18309), (487, 18351), (492, 18357), (504, 18396), (513, 18420), (589, 18522), (610, 18585), (627, 18630), (685, 18765), (719, 18864), (757, 18942), (764, 18966), (766, 18972), (771, 18987), (815, 19083), (817, 19089), (882, 19242), (912, 19347), (913, 19350), (917, 19368),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 150

Candidate Starts for Lev2_24:

(Start: 150 @19477 has 625 MA's), (230, 19582), (245, 19615), (284, 19714), (320, 19789), (330, 19804), (351, 19840), (381, 19912), (387, 19927), (401, 19960), (403, 19966), (509, 20191), (513, 20197), (562, 20287), (610, 20392), (613, 20401), (631, 20443), (640, 20461), (667, 20521), (668, 20524), (696, 20599), (699, 20617), (752, 20758), (764, 20794), (837, 21007), (876, 21109), (879, 21118), (910, 21232), (916, 21253), (919, 21262),

Gene: Levia_27 Start: 21857, Stop: 23659, Start Num: 152

Candidate Starts for Levia_27:

(Start: 152 @21857 has 219 MA's), (Start: 173 @21878 has 4 MA's), (Start: 199 @21920 has 1 MA's), (223, 21965), (320, 22181), (347, 22226), (353, 22235), (367, 22274), (391, 22325), (393, 22328), (491, 22523), (514, 22592), (613, 22793), (614, 22796), (622, 22817), (667, 22913), (668, 22916), (670, 22922), (696, 22991), (699, 23009), (701, 23018), (714, 23048), (753, 23144), (764, 23177), (769, 23192), (815, 23333), (837, 23390), (879, 23501),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 150

Candidate Starts for Leviathan_30:

(Start: 130 @20665 has 8 MA's), (Start: 150 @20689 has 625 MA's), (208, 20755), (226, 20788), (266, 20872), (283, 20923), (284, 20926), (319, 20998), (320, 21001), (353, 21055), (367, 21094), (401, 21172), (445, 21259), (487, 21340), (491, 21343), (580, 21529), (614, 21616), (664, 21721), (668, 21736), (708, 21862), (714, 21868), (743, 21916), (769, 21994), (771, 22000), (790, 22054), (801, 22093), (805, 22108), (837, 22192), (879, 22303),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 152

Candidate Starts for Licorice_29:

(Start: 152 @22097 has 219 MA's), (Start: 173 @22118 has 4 MA's), (Start: 199 @22160 has 1 MA's), (223, 22205), (320, 22421), (347, 22466), (353, 22475), (367, 22514), (391, 22565), (393, 22568), (491, 22763), (514, 22832), (613, 23033), (614, 23036), (622, 23057), (667, 23153), (668, 23156), (670, 23162), (696, 23231), (699, 23249), (701, 23258), (714, 23288), (753, 23384), (764, 23417), (769, 23432), (815, 23573), (837, 23630), (879, 23741), (925, 23894),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 138

Candidate Starts for Liefie_18:

(Start: 112 @16639 has 26 MA's), (Start: 138 @16648 has 76 MA's), (Start: 144 @16654 has 125 MA's), (149, 16660), (208, 16738), (237, 16792), (261, 16843), (274, 16873), (280, 16897), (320, 16999), (344, 17038), (347, 17044), (355, 17059), (371, 17104), (419, 17224), (450, 17281), (467, 17320), (492, 17368), (500, 17395), (504, 17407), (548, 17488), (589, 17533), (668, 17731), (677, 17761), (685, 17779), (696, 17806), (723, 17890), (742, 17908), (749, 17923), (764, 17971), (769, 17986), (802, 18049), (821, 18106), (837, 18145), (858, 18187), (880, 18238), (907, 18334), (929, 18394),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 152

Candidate Starts for LilBib_28:

(Start: 152 @22310 has 219 MA's), (Start: 173 @22331 has 4 MA's), (Start: 199 @22373 has 1 MA's), (223, 22418), (320, 22634), (347, 22679), (353, 22688), (367, 22727), (391, 22778), (393, 22781), (491, 22976), (514, 23045), (613, 23246), (614, 23249), (622, 23270), (667, 23366), (668, 23369), (670, 23375), (696, 23444), (699, 23462), (701, 23471), (714, 23501), (753, 23597), (764, 23630), (769, 23645), (780, 23675), (815, 23786), (837, 23843), (879, 23954),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 105

Candidate Starts for LilHam_32:

(Start: 105 @28981 has 84 MA's), (Start: 129 @29017 has 1 MA's), (220, 29146), (226, 29155), (272, 29251), (275, 29260), (296, 29329), (320, 29380), (326, 29389), (347, 29425), (355, 29440), (361, 29458), (391, 29521), (407, 29566), (410, 29575), (476, 29686), (480, 29695), (487, 29710), (495, 29734), (504, 29764), (631, 29986), (641, 30004), (647, 30019), (667, 30061), (676, 30091), (723, 30211), (766, 30304), (815, 30415), (816, 30418), (834, 30466), (852, 30493), (860, 30520), (877, 30574),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for LilHazelnut_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893,

19026), (913, 19101), (917, 19119), (929, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 139

Candidate Starts for LilMoolah_16:

(Start: 139 @14938 has 218 MA's), (207, 15025), (Start: 233 @15070 has 2 MA's), (242, 15094), (266, 15151), (282, 15199), (284, 15205), (289, 15223), (300, 15253), (353, 15358), (371, 15412), (375, 15418), (379, 15427), (388, 15448), (398, 15472), (410, 15508), (411, 15514), (425, 15547), (427, 15550), (441, 15559), (467, 15574), (474, 15580), (493, 15598), (497, 15613), (499, 15619), (505, 15637), (506, 15640), (512, 15655), (516, 15670), (520, 15676), (543, 15724), (550, 15736), (554, 15742), (587, 15802), (592, 15814), (606, 15850), (609, 15862), (645, 15937), (648, 15946), (660, 15964), (662, 15970), (670, 16000), (751, 16105), (753, 16117), (765, 16153), (792, 16231), (826, 16351), (843, 16384), (858, 16414), (860, 16426), (864, 16444), (866, 16450), (867, 16453), (869, 16459), (878, 16474), (879, 16477), (882, 16498), (883, 16501), (899, 16543), (904, 16573), (916, 16615), (917, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for LilPharaoh_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 129

Candidate Starts for LilSpotty_18:

(120, 14602), (Start: 129 @14614 has 1 MA's), (286, 14896), (305, 14944), (367, 15070), (402, 15151), (454, 15241), (458, 15250), (491, 15325), (500, 15355), (501, 15358), (504, 15367), (580, 15460), (594, 15490), (631, 15586), (632, 15589), (665, 15652), (669, 15667), (684, 15712), (699, 15757), (701, 15766), (751, 15838), (771, 15904), (815, 16000), (816, 16003), (837, 16057), (852, 16078), (853, 16081), (879, 16165), (884, 16189), (902, 16252), (914, 16297), (916, 16306),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 150

Candidate Starts for LilTurb_30:

(Start: 130 @20668 has 8 MA's), (Start: 150 @20692 has 625 MA's), (226, 20791), (266, 20875), (283, 20926), (284, 20929), (319, 21001), (320, 21004), (353, 21058), (367, 21097), (401, 21175), (445, 21262), (487, 21343), (491, 21346), (580, 21532), (614, 21619), (664, 21724), (668, 21739), (708, 21865), (714, 21871), (743, 21919), (769, 21997), (771, 22003), (790, 22057), (801, 22096), (805, 22111), (837, 22195), (879, 22306),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 144

Candidate Starts for Lilac_26:

(Start: 144 @19243 has 125 MA's), (Start: 205 @19327 has 48 MA's), (Start: 244 @19405 has 1 MA's), (279, 19492), (284, 19507), (300, 19555), (317, 19594), (359, 19681), (372, 19714), (388, 19750), (400, 19780), (402, 19786), (437, 19855), (495, 19885), (498, 19897), (499, 19900), (520, 19957), (589, 20089), (591, 20095), (614, 20161), (616, 20167), (625, 20191), (648, 20239), (662, 20263), (664, 20272), (688, 20347), (752, 20398), (758, 20413), (809, 20575), (817, 20602), (826, 20632), (868, 20737), (897, 20815), (904, 20851), (907, 20860), (916, 20893), (923, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 119

Candidate Starts for Lilas_20:

(Start: 104 @17691 has 1 MA's), (Start: 119 @17715 has 25 MA's), (Start: 162 @17763 has 92 MA's), (201, 17820), (224, 17862), (320, 18051), (387, 18198), (391, 18204), (407, 18249), (483, 18387),

(512, 18462), (667, 18744), (674, 18765), (699, 18840), (744, 18927), (759, 18963), (769, 18996), (771, 19002), (804, 19068), (815, 19098), (877, 19254), (879, 19260), (882, 19278), (914, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 169

Candidate Starts for Lilbeanie_30:

(Start: 169 @24430 has 1 MA's), (Start: 175 @24436 has 10 MA's), (197, 24469), (214, 24502), (245, 24559), (325, 24739), (365, 24820), (405, 24913), (407, 24919), (410, 24928), (468, 25027), (474, 25039), (485, 25057), (500, 25099), (525, 25162), (582, 25213), (585, 25219), (650, 25357), (667, 25396), (668, 25399), (680, 25453), (684, 25459), (696, 25486), (701, 25513), (708, 25537), (721, 25564), (771, 25642), (792, 25669), (819, 25756), (830, 25786), (864, 25855), (876, 25882), (897, 25951), (898, 25954), (901, 25972), (912, 26014), (923, 26044),

Gene: Lilbunny_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for Lilbunny_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (805, 21390), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 150

Candidate Starts for Lilith_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (226, 20477), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (500, 21062), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344), (668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 144

Candidate Starts for Lilizi_26:

(Start: 144 @19451 has 125 MA's), (Start: 205 @19535 has 48 MA's), (Start: 244 @19613 has 1 MA's), (279, 19700), (284, 19715), (300, 19763), (317, 19802), (359, 19889), (372, 19922), (388, 19958), (400, 19988), (402, 19994), (437, 20063), (495, 20093), (498, 20105), (499, 20108), (520, 20165), (589, 20297), (591, 20303), (614, 20369), (616, 20375), (625, 20399), (648, 20447), (662, 20471), (664, 20480), (688, 20555), (752, 20606), (758, 20621), (809, 20783), (817, 20810), (826, 20840), (868, 20945), (897, 21023), (904, 21059), (907, 21068), (916, 21101), (923, 21116),

Gene: Lilleskat_28 Start: 21749, Stop: 23539, Start Num: 150

Candidate Starts for Lilleskat_28:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Lillie_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871,

17798), (877, 17813), (923, 17966),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 144

Candidate Starts for Lilpickle_23:

(Start: 144 @18953 has 125 MA's), (Start: 205 @19037 has 48 MA's), (Start: 244 @19115 has 1 MA's), (279, 19202), (284, 19217), (300, 19265), (317, 19304), (359, 19391), (372, 19424), (388, 19460), (400, 19490), (402, 19496), (437, 19565), (495, 19595), (498, 19607), (499, 19610), (520, 19667), (589, 19799), (591, 19805), (614, 19871), (616, 19877), (625, 19901), (648, 19949), (662, 19973), (664, 19982), (688, 20057), (752, 20108), (758, 20123), (809, 20285), (817, 20312), (826, 20342), (868, 20447), (897, 20525), (904, 20561), (907, 20570), (916, 20603), (923, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for LindNT_23:

(Start: 118 @17122 has 149 MA's), (Start: 144 @17152 has 125 MA's), (245, 17311), (261, 17344), (274, 17374), (283, 17407), (287, 17419), (325, 17509), (351, 17551), (377, 17614), (381, 17623), (385, 17632), (401, 17671), (415, 17716), (424, 17737), (426, 17740), (467, 17812), (487, 17854), (492, 17860), (500, 17887), (589, 18025), (598, 18043), (609, 18085), (615, 18103), (628, 18133), (643, 18160), (685, 18265), (753, 18424), (765, 18460), (777, 18490), (786, 18499), (815, 18574), (834, 18625), (907, 18820), (917, 18859), (919, 18862), (929, 18880),

Gene: LionsBait_29 Start: 21960, Stop: 23732, Start Num: 150

Candidate Starts for LionsBait_29:

(Start: 130 @21936 has 8 MA's), (Start: 150 @21960 has 625 MA's), (226, 22059), (266, 22143), (283, 22194), (284, 22197), (319, 22269), (320, 22272), (353, 22326), (355, 22332), (367, 22365), (401, 22443), (445, 22530), (487, 22611), (491, 22614), (504, 22656), (580, 22800), (614, 22887), (631, 22926), (668, 23007), (708, 23133), (714, 23139), (743, 23187), (764, 23250), (769, 23265), (771, 23271), (781, 23301), (790, 23325), (801, 23364), (805, 23379), (837, 23463),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 150

Candidate Starts for LitninMcQueen_20:

(120, 16383), (Start: 150 @16422 has 625 MA's), (Start: 160 @16434 has 22 MA's), (191, 16473), (213, 16512), (226, 16533), (249, 16581), (255, 16590), (273, 16632), (283, 16668), (305, 16725), (330, 16773), (345, 16800), (405, 16941), (430, 16998), (443, 17016), (455, 17025), (458, 17031), (492, 17109), (503, 17145), (505, 17151), (513, 17172), (514, 17175), (540, 17226), (581, 17253), (582, 17256), (596, 17283), (606, 17310), (633, 17382), (659, 17421), (677, 17475), (695, 17517), (720, 17592), (757, 17655), (765, 17682), (766, 17685), (771, 17700), (810, 17784), (814, 17793), (815, 17796), (817, 17802), (821, 17814), (822, 17817), (835, 17847), (838, 17853), (852, 17874), (853, 17877), (868, 17931), (879, 17961), (880, 17970), (896, 18021), (904, 18054), (908, 18066), (913, 18084),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for LittleB_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 150

Candidate Starts for LittleCherry_24:

(Start: 150 @19659 has 625 MA's), (230, 19764), (245, 19797), (284, 19896), (320, 19971), (330, 19986), (351, 20022), (381, 20094), (387, 20109), (403, 20148), (411, 20175), (419, 20196), (453,

20235), (500, 20343), (509, 20373), (513, 20379), (587, 20514), (609, 20571), (610, 20574), (613, 20583), (631, 20625), (640, 20643), (667, 20703), (668, 20706), (699, 20799), (701, 20808), (708, 20832), (752, 20940), (764, 20976), (837, 21186), (876, 21288), (879, 21297), (910, 21411), (916, 21432), (919, 21441),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 138

Candidate Starts for LittleE_37:

(Start: 138 @28308 has 76 MA's), (Start: 205 @28398 has 48 MA's), (207, 28401), (255, 28503), (279, 28569), (292, 28605), (301, 28635), (308, 28650), (347, 28734), (360, 28770), (372, 28797), (390, 28836), (402, 28869), (405, 28878), (427, 28935), (479, 28977), (515, 29052), (520, 29064), (550, 29124), (572, 29178), (589, 29208), (597, 29226), (602, 29235), (610, 29268), (614, 29280), (616, 29286), (631, 29325), (662, 29382), (758, 29532), (763, 29550), (778, 29592), (787, 29616), (788, 29619), (792, 29634), (800, 29664), (809, 29694), (826, 29751), (885, 29901), (919, 30021), (923, 30027),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 150

Candidate Starts for LittleGuy_27:

(Start: 130 @19746 has 8 MA's), (Start: 150 @19770 has 625 MA's), (Start: 199 @19827 has 1 MA's), (230, 19881), (237, 19896), (245, 19914), (279, 19998), (283, 20010), (284, 20013), (320, 20088), (330, 20103), (353, 20142), (401, 20259), (445, 20346), (487, 20427), (505, 20475), (514, 20499), (562, 20586), (587, 20631), (614, 20703), (622, 20724), (631, 20742), (668, 20823), (699, 20916), (701, 20925), (708, 20949), (714, 20955), (722, 20979), (753, 21033), (761, 21054), (778, 21105), (787, 21129), (802, 21183), (837, 21279), (877, 21384), (880, 21399), (911, 21507), (916, 21525),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 139

Candidate Starts for LittleShirley_17:

(Start: 139 @14625 has 218 MA's), (207, 14712), (218, 14733), (Start: 233 @14757 has 2 MA's), (242, 14781), (248, 14802), (282, 14886), (284, 14892), (289, 14910), (300, 14940), (353, 15045), (375, 15105), (384, 15126), (388, 15135), (398, 15159), (425, 15234), (427, 15237), (441, 15246), (467, 15261), (474, 15267), (493, 15285), (497, 15300), (499, 15306), (506, 15327), (512, 15342), (516, 15357), (520, 15363), (543, 15411), (550, 15423), (554, 15429), (587, 15489), (592, 15501), (606, 15537), (609, 15549), (645, 15624), (648, 15633), (660, 15651), (662, 15657), (670, 15687), (751, 15792), (753, 15804), (765, 15840), (792, 15918), (826, 16038), (843, 16071), (858, 16101), (860, 16113), (864, 16131), (866, 16137), (867, 16140), (869, 16146), (878, 16161), (879, 16164), (882, 16185), (883, 16188), (899, 16230), (904, 16260), (916, 16302), (917, 16308),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 139

Candidate Starts for Lizziana_16:

(Start: 139 @14813 has 218 MA's), (207, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (282, 15074), (284, 15080), (289, 15098), (300, 15128), (353, 15233), (371, 15287), (375, 15293), (379, 15302), (388, 15323), (398, 15347), (410, 15383), (411, 15389), (425, 15422), (427, 15425), (441, 15434), (467, 15449), (474, 15455), (493, 15473), (497, 15488), (499, 15494), (505, 15512), (506, 15515), (512, 15530), (516, 15545), (520, 15551), (543, 15599), (550, 15611), (554, 15617), (587, 15677), (592, 15689), (606, 15725), (609, 15737), (645, 15812), (648, 15821), (660, 15839), (662, 15845), (670, 15875), (751, 15980), (753, 15992), (765, 16028), (792, 16106), (826, 16226), (843, 16259), (858, 16289), (860, 16301), (864, 16319), (866, 16325), (867, 16328), (869, 16334), (878, 16349), (879, 16352), (882, 16373), (883, 16376), (899, 16418), (904, 16448), (916, 16490), (917, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for Llama_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371,

15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 139

Candidate Starts for Llij_16:

(Start: 139 @14790 has 218 MA's), (207, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (266, 15003), (282, 15051), (284, 15057), (289, 15075), (300, 15105), (324, 15159), (353, 15210), (371, 15264), (375, 15270), (379, 15279), (388, 15300), (398, 15324), (410, 15360), (411, 15366), (425, 15399), (427, 15402), (441, 15411), (467, 15426), (474, 15432), (493, 15450), (497, 15465), (499, 15471), (505, 15489), (506, 15492), (512, 15507), (516, 15522), (520, 15528), (543, 15576), (550, 15588), (554, 15594), (587, 15654), (592, 15666), (606, 15702), (609, 15714), (645, 15789), (648, 15798), (660, 15816), (662, 15822), (670, 15852), (751, 15957), (753, 15969), (765, 16005), (792, 16083), (826, 16203), (843, 16236), (858, 16266), (860, 16278), (864, 16296), (866, 16302), (867, 16305), (869, 16311), (878, 16326), (879, 16329), (882, 16350), (883, 16353), (899, 16395), (904, 16425), (916, 16467), (917, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Llorens_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 150

Candidate Starts for LochMonster_27:

(Start: 130 @19778 has 8 MA's), (Start: 150 @19802 has 625 MA's), (Start: 199 @19859 has 1 MA's), (230, 19913), (237, 19928), (245, 19946), (279, 20030), (283, 20042), (284, 20045), (320, 20120), (330, 20135), (353, 20174), (401, 20291), (445, 20378), (487, 20459), (505, 20507), (514, 20531), (562, 20618), (587, 20663), (614, 20735), (622, 20756), (631, 20774), (699, 20948), (701, 20957), (708, 20981), (714, 20987), (722, 21011), (753, 21065), (761, 21086), (778, 21137), (787, 21161), (802, 21215), (837, 21311), (877, 21416), (880, 21431), (911, 21539), (916, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 152

Candidate Starts for Lockley_27:

(Start: 152 @21053 has 219 MA's), (Start: 173 @21074 has 4 MA's), (Start: 199 @21116 has 1 MA's), (223, 21161), (320, 21377), (347, 21422), (353, 21431), (391, 21521), (393, 21524), (491, 21719), (514, 21788), (542, 21848), (609, 21977), (613, 21989), (614, 21992), (622, 22013), (667, 22109), (668, 22112), (670, 22118), (696, 22187), (699, 22205), (701, 22214), (714, 22244), (753, 22340), (764, 22373), (769, 22388), (815, 22529), (837, 22586), (879, 22697),

Gene: Lokk_31 Start: 21813, Stop: 23609, Start Num: 130

Candidate Starts for Lokk_31:

(Start: 130 @21813 has 8 MA's), (Start: 150 @21837 has 625 MA's), (266, 22020), (283, 22071), (284, 22074), (319, 22146), (320, 22149), (353, 22203), (367, 22242), (401, 22320), (445, 22407), (487, 22488), (491, 22491), (504, 22533), (580, 22677), (614, 22764), (631, 22803), (668, 22884), (714,

23016), (764, 23127), (769, 23142), (771, 23148), (790, 23202), (801, 23241), (805, 23256), (817, 23289), (837, 23340), (868, 23418), (877, 23445), (879, 23451), (894, 23505),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 162

Candidate Starts for Lollipop1437_46:

(Start: 162 @31458 has 92 MA's), (237, 31575), (355, 31815), (358, 31827), (363, 31842), (398, 31908), (403, 31923), (461, 32034), (475, 32064), (477, 32067), (501, 32124), (531, 32196), (596, 32280), (603, 32301), (648, 32388), (666, 32436), (706, 32562), (707, 32565), (733, 32598), (766, 32655), (821, 32784), (837, 32823), (883, 32928), (902, 32991), (904, 33003), (908, 33015), (910, 33024), (923, 33060),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 150

Candidate Starts for LoneWolf_29:

(Start: 150 @21342 has 625 MA's), (283, 21576), (284, 21579), (319, 21651), (320, 21654), (330, 21669), (353, 21708), (355, 21714), (367, 21747), (375, 21765), (401, 21825), (411, 21858), (445, 21912), (487, 21993), (491, 21996), (541, 22122), (580, 22182), (608, 22245), (614, 22269), (668, 22389), (708, 22515), (718, 22533), (726, 22557), (753, 22617), (764, 22650), (769, 22665), (801, 22764), (802, 22767), (805, 22779), (837, 22863), (864, 22929), (877, 22968), (879, 22974), (890, 23019), (907, 23076), (908, 23079),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 119

Candidate Starts for LonelyBoi_20:

(Start: 104 @17694 has 1 MA's), (Start: 119 @17718 has 25 MA's), (201, 17823), (224, 17865), (266, 17940), (320, 18054), (387, 18201), (391, 18207), (407, 18252), (483, 18390), (512, 18465), (667, 18747), (674, 18768), (699, 18843), (744, 18930), (759, 18966), (769, 18999), (771, 19005), (804, 19071), (815, 19101), (879, 19263), (882, 19281), (914, 19392),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 150

Candidate Starts for Looper_31:

(102, 19027), (Start: 130 @19069 has 8 MA's), (Start: 150 @19093 has 625 MA's), (245, 19231), (272, 19288), (284, 19330), (300, 19366), (320, 19405), (357, 19474), (367, 19498), (393, 19552), (467, 19702), (491, 19747), (500, 19777), (513, 19813), (536, 19864), (561, 19900), (587, 19948), (610, 20008), (667, 20137), (696, 20215), (769, 20416), (771, 20422), (802, 20518), (866, 20683), (897, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 152

Candidate Starts for Lopton_28:

(Start: 152 @22455 has 219 MA's), (Start: 173 @22476 has 4 MA's), (Start: 199 @22518 has 1 MA's), (223, 22563), (320, 22779), (347, 22824), (353, 22833), (367, 22872), (391, 22923), (393, 22926), (491, 23121), (514, 23190), (613, 23391), (614, 23394), (622, 23415), (667, 23511), (668, 23514), (670, 23520), (696, 23589), (699, 23607), (701, 23616), (714, 23646), (753, 23742), (764, 23775), (769, 23790), (815, 23931), (837, 23988), (879, 24099),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for LordFarquaad_17:

(79, 14616), (Start: 165 @14751 has 39 MA's), (271, 14940), (272, 14943), (299, 15018), (330, 15072), (363, 15141), (368, 15153), (403, 15231), (404, 15234), (467, 15366), (495, 15420), (511, 15471), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (659, 15744), (668, 15783), (700, 15879), (758, 15987), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: LordVader_18 Start: 14721, Stop: 16430, Start Num: 139

Candidate Starts for LordVader_18:

(Start: 139 @14721 has 218 MA's), (207, 14808), (218, 14829), (Start: 233 @14853 has 2 MA's), (242, 14877), (282, 14982), (284, 14988), (289, 15006), (300, 15036), (353, 15141), (375, 15201), (379, 15210), (382, 15219), (384, 15222), (388, 15231), (398, 15255), (411, 15297), (425, 15330), (441, 15342), (467, 15357), (474, 15363), (493, 15381), (497, 15396), (499, 15402), (505, 15420), (506, 15423), (512, 15438), (516, 15453), (520, 15459), (543, 15507), (550, 15519), (554, 15525), (587, 15585), (592, 15597), (606, 15633), (609, 15645), (616, 15666), (645, 15720), (648, 15729), (660, 15747), (662, 15753), (670, 15783), (751, 15888), (752, 15897), (753, 15900), (765, 15936), (792, 16014), (820, 16113), (826, 16134), (843, 16167), (858, 16197), (864, 16227), (867, 16236), (869, 16242), (878, 16257), (879, 16260), (882, 16281), (883, 16284), (899, 16326), (916, 16398),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 139

Candidate Starts for Lorde_17:

(Start: 139 @14628 has 218 MA's), (207, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (266, 14841), (282, 14889), (284, 14895), (289, 14913), (300, 14943), (353, 15048), (371, 15102), (375, 15108), (379, 15117), (384, 15129), (388, 15138), (398, 15162), (410, 15198), (411, 15204), (415, 15216), (425, 15237), (427, 15240), (441, 15249), (467, 15264), (474, 15270), (493, 15288), (497, 15303), (499, 15309), (505, 15327), (506, 15330), (512, 15345), (516, 15360), (520, 15366), (534, 15396), (543, 15414), (550, 15426), (554, 15432), (587, 15492), (592, 15504), (606, 15540), (609, 15552), (616, 15573), (645, 15627), (648, 15636), (662, 15660), (670, 15690), (751, 15795), (753, 15807), (765, 15843), (779, 15882), (792, 15921), (820, 16020), (826, 16041), (843, 16074), (858, 16104), (864, 16134), (867, 16143), (869, 16149), (878, 16164), (879, 16167), (882, 16188), (883, 16191), (899, 16233), (904, 16263), (916, 16305), (917, 16311),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Lorenzo_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 150

Candidate Starts for Loser_31:

(Start: 130 @21918 has 8 MA's), (Start: 150 @21942 has 625 MA's), (266, 22125), (283, 22176), (284, 22179), (319, 22251), (320, 22254), (353, 22308), (355, 22314), (367, 22347), (401, 22425), (403, 22431), (407, 22443), (445, 22512), (483, 22587), (487, 22593), (491, 22596), (504, 22638), (613, 22866), (614, 22869), (631, 22908), (664, 22974), (668, 22989), (714, 23121), (743, 23169), (761, 23220), (764, 23232), (769, 23247), (771, 23253), (790, 23307), (805, 23361), (837, 23445), (864, 23511), (877, 23550), (879, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 150

Candidate Starts for Louie6_29:

(Start: 150 @20466 has 625 MA's), (Start: 199 @20523 has 1 MA's), (208, 20538), (226, 20571), (237, 20592), (Start: 244 @20607 has 1 MA's), (279, 20694), (283, 20706), (284, 20709), (320, 20784), (330, 20799), (351, 20835), (445, 21042), (500, 21156), (514, 21195), (562, 21282), (613, 21396), (622, 21420), (631, 21438), (668, 21519), (696, 21594), (699, 21612), (708, 21645), (714, 21651), (727, 21690), (752, 21744), (753, 21747), (761, 21768), (780, 21825), (837, 21993), (877, 22098), (879, 22104), (916, 22239),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for LouisV14_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 105

Candidate Starts for Love_38:

(97, 31729), (Start: 105 @31747 has 84 MA's), (Start: 129 @31783 has 1 MA's), (226, 31921), (272, 32017), (275, 32026), (296, 32095), (320, 32146), (347, 32191), (355, 32206), (391, 32287), (407, 32332), (410, 32341), (466, 32431), (480, 32461), (487, 32476), (495, 32500), (504, 32530), (585, 32635), (631, 32752), (641, 32770), (647, 32785), (664, 32815), (667, 32827), (668, 32830), (676, 32857), (815, 33181), (816, 33184), (834, 33232), (852, 33259), (860, 33286), (877, 33340), (882, 33364), (883, 33367), (908, 33457), (925, 33505),

Gene: Iowa_29 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for Iowa_29:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 160

Candidate Starts for Lozinak_48:

(Start: 160 @29612 has 22 MA's), (202, 29672), (216, 29705), (Start: 233 @29735 has 2 MA's), (234, 29738), (292, 29897), (294, 29906), (354, 30035), (370, 30083), (520, 30296), (523, 30302), (534, 30326), (601, 30455), (606, 30476), (616, 30509), (688, 30707), (789, 30860), (817, 30959), (821, 30971), (824, 30980), (860, 31064), (905, 31211), (915, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 165

Candidate Starts for Lton_17:

(79, 14588), (Start: 165 @14723 has 39 MA's), (271, 14912), (272, 14915), (299, 14990), (330, 15044), (363, 15113), (403, 15203), (404, 15206), (467, 15338), (495, 15392), (524, 15473), (568, 15533), (575, 15539), (614, 15620), (648, 15698), (659, 15716), (668, 15755), (696, 15827), (697, 15830), (700, 15851), (810, 16085), (816, 16100), (831, 16142), (867, 16235), (868, 16238), (882, 16286), (891, 16316),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 150

Candidate Starts for Luchador_30:

(Start: 148 @20619 has 18 MA's), (Start: 150 @20622 has 625 MA's), (Start: 244 @20757 has 1 MA's), (275, 20826), (284, 20859), (319, 20931), (320, 20934), (332, 20952), (355, 20994), (401, 21105), (415, 21150), (419, 21159), (445, 21192), (483, 21267), (487, 21273), (491, 21276), (509, 21336), (563, 21438), (608, 21525), (614, 21549), (631, 21588), (668, 21669), (740, 21867), (769, 21954), (771, 21960), (801, 22053), (877, 22257), (879, 22263),

Gene: Lucia_17 Start: 14830, Stop: 16539, Start Num: 139

Candidate Starts for Lucia_17:

(Start: 139 @14830 has 218 MA's), (207, 14917), (Start: 233 @14962 has 2 MA's), (242, 14986), (282, 15091), (284, 15097), (289, 15115), (300, 15145), (353, 15250), (375, 15310), (384, 15331), (388, 15340), (398, 15364), (493, 15490), (497, 15505), (499, 15511), (512, 15547), (513, 15550), (516,

15562), (520, 15568), (543, 15616), (550, 15628), (554, 15634), (587, 15694), (592, 15706), (606, 15742), (609, 15754), (645, 15829), (648, 15838), (660, 15856), (662, 15862), (670, 15892), (751, 15997), (753, 16009), (765, 16045), (792, 16123), (826, 16243), (843, 16276), (858, 16306), (860, 16318), (864, 16336), (867, 16345), (869, 16351), (878, 16366), (879, 16369), (883, 16393), (899, 16435), (904, 16465), (916, 16507),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 150

Candidate Starts for Lucivia_28:

(102, 20738), (Start: 130 @20780 has 8 MA's), (Start: 150 @20804 has 625 MA's), (Start: 193 @20846 has 3 MA's), (245, 20942), (253, 20957), (283, 21038), (284, 21041), (320, 21116), (330, 21131), (353, 21170), (355, 21176), (375, 21227), (401, 21287), (403, 21293), (445, 21374), (491, 21458), (541, 21584), (552, 21602), (568, 21629), (631, 21770), (664, 21836), (667, 21848), (668, 21851), (734, 22040), (747, 22067), (751, 22076), (757, 22097), (758, 22100), (764, 22121), (769, 22136), (778, 22160), (801, 22235), (805, 22250), (837, 22334), (877, 22439), (879, 22445), (894, 22499), (925, 22598),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 119

Candidate Starts for Lucky10_18:

(Start: 119 @15185 has 25 MA's), (Start: 162 @15239 has 92 MA's), (226, 15341), (266, 15413), (305, 15494), (332, 15545), (347, 15578), (367, 15626), (387, 15674), (393, 15683), (407, 15725), (419, 15761), (456, 15803), (466, 15824), (468, 15830), (480, 15854), (500, 15905), (501, 15908), (512, 15938), (676, 16250), (699, 16316), (707, 16346), (759, 16439), (765, 16460), (769, 16472), (771, 16478), (774, 16484), (777, 16490), (804, 16544), (815, 16574), (844, 16643), (877, 16730), (879, 16736), (884, 16760), (893, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 138

Candidate Starts for Lucky2013_34:

(Start: 138 @25206 has 76 MA's), (Start: 205 @25296 has 48 MA's), (207, 25299), (255, 25401), (279, 25467), (292, 25503), (301, 25533), (308, 25548), (347, 25632), (360, 25668), (372, 25695), (390, 25734), (402, 25767), (405, 25776), (427, 25833), (479, 25875), (515, 25950), (520, 25962), (550, 26022), (572, 26076), (589, 26106), (597, 26124), (602, 26133), (610, 26166), (614, 26178), (616, 26184), (631, 26223), (662, 26280), (758, 26430), (763, 26448), (778, 26490), (787, 26514), (788, 26517), (792, 26532), (800, 26562), (809, 26592), (826, 26649), (885, 26799), (923, 26925),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 150

Candidate Starts for Lucyedi_29:

(102, 20809), (Start: 130 @20851 has 8 MA's), (Start: 150 @20875 has 625 MA's), (253, 21028), (283, 21109), (284, 21112), (319, 21184), (320, 21187), (332, 21205), (344, 21226), (353, 21241), (355, 21247), (401, 21358), (411, 21391), (445, 21445), (487, 21526), (491, 21529), (580, 21715), (608, 21778), (614, 21802), (631, 21841), (668, 21922), (708, 22048), (740, 22111), (769, 22198), (801, 22297), (817, 22345), (837, 22396), (877, 22501), (879, 22507), (894, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for LugYA_31:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Luke_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Luna22_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 147

Candidate Starts for LunaStella_18:

(Start: 127 @15346 has 1 MA's), (Start: 130 @15352 has 8 MA's), (136, 15358), (Start: 147 @15370 has 1 MA's), (151, 15376), (Start: 233 @15496 has 2 MA's), (242, 15520), (252, 15544), (282, 15625), (284, 15631), (289, 15649), (300, 15679), (379, 15853), (388, 15874), (390, 15877), (403, 15913), (415, 15952), (474, 16006), (493, 16024), (494, 16027), (497, 16039), (499, 16045), (512, 16081), (520, 16102), (529, 16120), (543, 16150), (550, 16162), (554, 16168), (587, 16228), (606, 16276), (622, 16321), (645, 16363), (648, 16372), (662, 16396), (670, 16426), (680, 16471), (751, 16531), (752, 16540), (753, 16543), (765, 16579), (793, 16660), (832, 16789), (843, 16810), (858, 16840), (864, 16870), (867, 16879), (869, 16885), (878, 16900), (879, 16903), (923, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Lunahalos_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: LunarLander_27 Start: 20985, Stop: 22787, Start Num: 152

Candidate Starts for LunarLander_27:

(Start: 152 @20985 has 219 MA's), (Start: 173 @21006 has 4 MA's), (Start: 199 @21048 has 1 MA's), (223, 21093), (320, 21309), (347, 21354), (353, 21363), (367, 21402), (391, 21453), (393, 21456), (491, 21651), (514, 21720), (613, 21921), (614, 21924), (622, 21945), (667, 22041), (668, 22044), (670, 22050), (696, 22119), (699, 22137), (701, 22146), (714, 22176), (753, 22272), (764, 22305), (769, 22320), (815, 22461), (837, 22518), (879, 22629),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Lunsford_28:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553),

(562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 150

Candidate Starts for Lutum_20:

(120, 16389), (Start: 150 @16428 has 625 MA's), (Start: 160 @16440 has 22 MA's), (191, 16479), (213, 16518), (226, 16539), (249, 16587), (255, 16596), (273, 16638), (283, 16674), (305, 16731), (330, 16779), (345, 16806), (405, 16947), (430, 17004), (443, 17022), (455, 17031), (458, 17037), (492, 17115), (503, 17151), (505, 17157), (513, 17178), (514, 17181), (540, 17232), (581, 17259), (582, 17262), (596, 17289), (606, 17316), (633, 17388), (659, 17427), (677, 17481), (695, 17523), (720, 17598), (757, 17661), (765, 17688), (766, 17691), (771, 17706), (810, 17790), (814, 17799), (815, 17802), (817, 17808), (821, 17820), (822, 17823), (835, 17853), (838, 17859), (852, 17880), (853, 17883), (868, 17937), (879, 17967), (880, 17976), (896, 18027), (904, 18060), (908, 18072), (913, 18090),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 177

Candidate Starts for Lysidious_20:

(Start: 141 @17138 has 4 MA's), (Start: 177 @17174 has 46 MA's), (237, 17276), (273, 17354), (274, 17357), (316, 17453), (338, 17492), (367, 17552), (377, 17573), (400, 17627), (405, 17642), (495, 17813), (504, 17843), (617, 18026), (627, 18050), (655, 18101), (687, 18194), (695, 18206), (705, 18251), (713, 18266), (765, 18398), (766, 18401), (810, 18500), (817, 18518), (837, 18569), (868, 18635), (889, 18698), (894, 18710),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 150

Candidate Starts for MA5_27:

(Start: 150 @19523 has 625 MA's), (Start: 199 @19583 has 1 MA's), (237, 19652), (245, 19670), (279, 19754), (283, 19766), (284, 19769), (320, 19844), (330, 19859), (332, 19862), (353, 19898), (407, 20033), (445, 20102), (500, 20216), (562, 20342), (613, 20456), (614, 20459), (622, 20480), (631, 20498), (668, 20579), (696, 20654), (699, 20672), (701, 20681), (708, 20705), (714, 20711), (719, 20726), (734, 20759), (752, 20804), (753, 20807), (761, 20828), (764, 20840), (837, 21053), (853, 21077), (877, 21158), (879, 21164), (916, 21299),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 150

Candidate Starts for MAnor_18:

(Start: 140 @15422 has 9 MA's), (Start: 150 @15425 has 625 MA's), (222, 15524), (230, 15536), (245, 15566), (255, 15587), (296, 15704), (351, 15806), (387, 15893), (400, 15923), (409, 15950), (430, 15995), (445, 16013), (458, 16028), (465, 16043), (490, 16100), (500, 16133), (504, 16145), (515, 16175), (567, 16232), (580, 16250), (594, 16280), (606, 16310), (627, 16373), (657, 16424), (668, 16460), (673, 16475), (678, 16493), (699, 16550), (765, 16679), (769, 16691), (814, 16790), (815, 16793), (821, 16811), (858, 16889), (864, 16916), (879, 16958), (919, 17105), (923, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 144

Candidate Starts for MISSy_23:

(Start: 144 @19258 has 125 MA's), (Start: 205 @19342 has 48 MA's), (Start: 244 @19420 has 1 MA's), (279, 19507), (284, 19522), (300, 19570), (317, 19609), (359, 19696), (372, 19729), (388, 19765), (400, 19795), (402, 19801), (437, 19870), (495, 19900), (498, 19912), (499, 19915), (520, 19972), (589, 20104), (591, 20110), (614, 20176), (616, 20182), (625, 20206), (648, 20254), (662, 20278), (664, 20287), (688, 20362), (752, 20413), (758, 20428), (809, 20590), (817, 20617), (826, 20647), (868, 20752), (897, 20830), (904, 20866), (907, 20875), (916, 20908), (923, 20923),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 150

Candidate Starts for MK4_27:

(Start: 150 @19826 has 625 MA's), (Start: 199 @19886 has 1 MA's), (237, 19955), (279, 20057), (283, 20069), (284, 20072), (320, 20147), (330, 20162), (332, 20165), (353, 20201), (407, 20336), (445, 20405), (500, 20519), (562, 20645), (613, 20759), (614, 20762), (622, 20783), (631, 20801), (668, 20882), (696, 20957), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (719, 21029), (727, 21053), (752, 21107), (753, 21110), (761, 21131), (764, 21143), (837, 21356), (853, 21380), (877, 21461), (879, 21467), (916, 21602),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 144

Candidate Starts for MPhalcon_23:

(Start: 144 @19252 has 125 MA's), (Start: 205 @19336 has 48 MA's), (Start: 244 @19414 has 1 MA's), (279, 19501), (284, 19516), (300, 19564), (317, 19603), (359, 19690), (372, 19723), (388, 19759), (400, 19789), (402, 19795), (437, 19864), (495, 19894), (498, 19906), (499, 19909), (520, 19966), (589, 20098), (591, 20104), (614, 20170), (616, 20176), (625, 20200), (648, 20248), (662, 20272), (664, 20281), (688, 20356), (752, 20407), (758, 20422), (809, 20584), (817, 20611), (826, 20641), (868, 20746), (897, 20824), (904, 20860), (907, 20869), (916, 20902), (923, 20917),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 152

Candidate Starts for MPlant7149_26:

(Start: 152 @20687 has 219 MA's), (Start: 173 @20708 has 4 MA's), (Start: 199 @20750 has 1 MA's), (223, 20795), (320, 21011), (347, 21056), (353, 21065), (367, 21104), (391, 21155), (393, 21158), (491, 21353), (514, 21422), (613, 21623), (614, 21626), (622, 21647), (667, 21743), (668, 21746), (670, 21752), (696, 21821), (699, 21839), (701, 21848), (714, 21878), (753, 21974), (764, 22007), (769, 22022), (815, 22163), (837, 22220), (879, 22331),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 150

Candidate Starts for MScarn_20:

(120, 15335), (Start: 140 @15362 has 9 MA's), (Start: 150 @15365 has 625 MA's), (274, 15575), (347, 15743), (351, 15749), (375, 15809), (397, 15857), (400, 15866), (409, 15893), (419, 15923), (430, 15938), (458, 15971), (462, 15983), (480, 16019), (500, 16076), (504, 16088), (587, 16208), (597, 16229), (606, 16253), (668, 16403), (673, 16418), (678, 16436), (699, 16493), (765, 16622), (769, 16634), (777, 16652), (786, 16661), (814, 16733), (815, 16736), (817, 16742), (821, 16754), (864, 16859), (867, 16868), (879, 16901),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 150

Candidate Starts for MaCh_28:

(102, 20680), (Start: 130 @20722 has 8 MA's), (Start: 150 @20746 has 625 MA's), (Start: 193 @20788 has 3 MA's), (245, 20884), (253, 20899), (283, 20980), (284, 20983), (319, 21055), (320, 21058), (330, 21073), (353, 21112), (355, 21118), (401, 21229), (403, 21235), (445, 21316), (491, 21400), (541, 21526), (552, 21544), (568, 21571), (631, 21712), (664, 21778), (667, 21790), (668, 21793), (707, 21916), (734, 21982), (747, 22009), (757, 22039), (758, 22042), (764, 22063), (769, 22078), (778, 22102), (801, 22177), (805, 22192), (837, 22276), (877, 22381), (879, 22387), (894, 22441), (925, 22540),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 150

Candidate Starts for MaVan_20:

(49, 16386), (Start: 150 @16710 has 625 MA's), (297, 16995), (298, 16998), (320, 17043), (330, 17058), (367, 17136), (387, 17181), (430, 17283), (458, 17316), (462, 17328), (465, 17331), (490, 17388), (500, 17421), (505, 17436), (533, 17502), (582, 17544), (587, 17553), (606, 17598), (627, 17661), (667, 17742), (673, 17760), (676, 17769), (678, 17778), (699, 17835), (701, 17844), (769, 17976), (786, 18003), (798, 18024), (814, 18075), (815, 18078), (858, 18174), (864, 18201), (867, 18210), (868, 18213), (879, 18243), (882, 18261), (898, 18306), (923, 18396),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 150

Candidate Starts for Mabel_28:

(102, 20741), (Start: 130 @20783 has 8 MA's), (Start: 150 @20807 has 625 MA's), (Start: 193 @20849 has 3 MA's), (245, 20945), (253, 20960), (283, 21041), (284, 21044), (320, 21119), (330, 21134), (353, 21173), (355, 21179), (401, 21290), (403, 21296), (445, 21377), (491, 21461), (541, 21587), (552, 21605), (568, 21632), (631, 21773), (664, 21839), (667, 21851), (668, 21854), (707, 21977), (734, 22043), (747, 22070), (751, 22079), (757, 22100), (758, 22103), (764, 22124), (769, 22139), (778, 22163), (801, 22238), (805, 22253), (837, 22337), (877, 22442), (879, 22448), (894, 22502), (925, 22601),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 168

Candidate Starts for MacGully_50:

(Start: 168 @31627 has 10 MA's), (Start: 177 @31636 has 46 MA's), (212, 31690), (219, 31702), (237, 31717), (320, 31900), (339, 31933), (358, 31969), (365, 31987), (383, 32026), (398, 32050), (403, 32065), (448, 32149), (469, 32182), (477, 32197), (501, 32254), (504, 32263), (519, 32305), (522, 32311), (531, 32326), (551, 32356), (603, 32431), (625, 32476), (673, 32584), (706, 32689), (715, 32695), (734, 32728), (850, 32971), (880, 33043), (884, 33058), (908, 33142), (913, 33160), (921, 33184),

Gene: MacKat_23 Start: 17165, Stop: 18931, Start Num: 118

Candidate Starts for MacKat_23:

(Start: 118 @17165 has 149 MA's), (Start: 144 @17195 has 125 MA's), (245, 17354), (261, 17387), (274, 17417), (283, 17450), (287, 17462), (325, 17552), (351, 17594), (381, 17666), (385, 17675), (401, 17714), (415, 17759), (416, 17762), (424, 17780), (426, 17783), (459, 17837), (467, 17855), (487, 17897), (492, 17903), (500, 17930), (589, 18068), (598, 18086), (609, 18128), (615, 18146), (628, 18176), (643, 18203), (685, 18308), (753, 18467), (765, 18503), (777, 18533), (786, 18542), (815, 18617), (834, 18668), (907, 18863), (917, 18902), (919, 18905), (929, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 118

Candidate Starts for MacnCheese_23:

(Start: 112 @17812 has 26 MA's), (Start: 118 @17821 has 149 MA's), (206, 17923), (237, 17980), (261, 18031), (274, 18061), (280, 18085), (294, 18130), (385, 18325), (393, 18340), (415, 18409), (419, 18418), (424, 18430), (426, 18433), (467, 18505), (487, 18547), (492, 18553), (504, 18592), (516, 18628), (610, 18781), (651, 18868), (685, 18961), (707, 19036), (722, 19069), (748, 19099), (753, 19117), (769, 19165), (785, 19189), (799, 19216), (817, 19273), (834, 19318), (876, 19402), (880, 19420), (904, 19507), (907, 19516), (913, 19537), (917, 19555), (921, 19561), (929, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 94

Candidate Starts for Maco6_19:

(81, 15227), (Start: 94 @15263 has 4 MA's), (145, 15341), (192, 15401), (230, 15467), (254, 15518), (261, 15533), (263, 15536), (395, 15842), (413, 15899), (416, 15908), (433, 15947), (435, 15950), (458, 16013), (467, 16034), (496, 16097), (499, 16106), (504, 16121), (513, 16145), (593, 16256), (606, 16295), (612, 16316), (626, 16352), (627, 16355), (651, 16397), (660, 16412), (662, 16418), (794, 16727), (796, 16736), (798, 16742), (801, 16754), (810, 16784), (817, 16802), (819, 16808), (876, 16928), (891, 16985), (915, 17072), (917, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 121

Candidate Starts for MadKillah_57:

(Start: 115 @33245 has 20 MA's), (Start: 121 @33254 has 44 MA's), (191, 33344), (248, 33461), (266, 33497), (275, 33518), (282, 33545), (284, 33551), (294, 33581), (302, 33605), (327, 33656), (388, 33794), (392, 33800), (409, 33851), (410, 33854), (415, 33872), (493, 33923), (499, 33944), (500, 33947), (516, 33995), (520, 34001), (543, 34049), (544, 34055), (550, 34061), (573, 34121), (587, 34145), (589, 34148), (606, 34193), (610, 34208), (613, 34217), (616, 34226), (634, 34271), (648, 34289), (664, 34322), (753, 34460), (761, 34481), (782, 34547), (793, 34577), (807, 34631), (820,

34673), (826, 34694), (836, 34715), (843, 34727), (855, 34748), (869, 34802), (897, 34880), (904, 34916), (910, 34937), (917, 34964),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 150

Candidate Starts for MadMarie_29:

(Start: 150 @20381 has 625 MA's), (Start: 199 @20438 has 1 MA's), (208, 20453), (237, 20507), (Start: 244 @20522 has 1 MA's), (279, 20609), (283, 20621), (284, 20624), (320, 20699), (330, 20714), (351, 20750), (445, 20957), (514, 21110), (562, 21197), (613, 21311), (622, 21335), (631, 21353), (668, 21434), (696, 21509), (699, 21527), (708, 21560), (714, 21566), (727, 21605), (752, 21659), (753, 21662), (761, 21683), (780, 21740), (837, 21908), (877, 22013), (879, 22019), (916, 22154),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 144

Candidate Starts for MadamMonkfish_24:

(Start: 144 @19164 has 125 MA's), (Start: 205 @19248 has 48 MA's), (Start: 244 @19326 has 1 MA's), (279, 19413), (284, 19428), (300, 19476), (317, 19515), (359, 19602), (372, 19635), (388, 19671), (400, 19701), (402, 19707), (437, 19776), (495, 19806), (498, 19818), (499, 19821), (520, 19878), (589, 20010), (591, 20016), (614, 20082), (616, 20088), (625, 20112), (648, 20160), (662, 20184), (664, 20193), (688, 20268), (752, 20319), (758, 20334), (809, 20496), (817, 20523), (826, 20553), (868, 20658), (897, 20736), (904, 20772), (907, 20781), (916, 20814), (923, 20829),

Gene: Madavieve_19 Start: 18044, Stop: 19642, Start Num: 162

Candidate Starts for Madavieve_19:

(Start: 162 @18044 has 92 MA's), (312, 18302), (320, 18320), (323, 18323), (355, 18377), (386, 18452), (411, 18521), (414, 18530), (419, 18542), (446, 18593), (462, 18620), (467, 18629), (468, 18632), (526, 18665), (568, 18722), (603, 18788), (646, 18899), (667, 18959), (700, 19061), (722, 19118), (770, 19208), (868, 19448), (891, 19526),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 162

Candidate Starts for Madeline_19:

(Start: 162 @18062 has 92 MA's), (309, 18311), (312, 18320), (320, 18338), (323, 18341), (355, 18395), (386, 18470), (411, 18539), (414, 18548), (419, 18560), (424, 18572), (446, 18611), (462, 18638), (467, 18647), (468, 18650), (524, 18680), (526, 18683), (568, 18740), (603, 18806), (630, 18884), (646, 18917), (659, 18941), (667, 18977), (700, 19079), (722, 19136), (755, 19181), (758, 19187), (770, 19226), (868, 19466), (891, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 139

Candidate Starts for Madiba_17:

(Start: 139 @14680 has 218 MA's), (207, 14767), (Start: 233 @14812 has 2 MA's), (242, 14836), (282, 14941), (284, 14947), (289, 14965), (300, 14995), (353, 15100), (375, 15160), (384, 15181), (388, 15190), (398, 15214), (425, 15289), (441, 15301), (467, 15316), (474, 15322), (493, 15340), (497, 15355), (499, 15361), (506, 15382), (512, 15397), (513, 15400), (516, 15412), (520, 15418), (525, 15427), (543, 15466), (550, 15478), (554, 15484), (587, 15544), (592, 15556), (606, 15592), (609, 15604), (645, 15679), (648, 15688), (662, 15712), (670, 15742), (751, 15847), (753, 15859), (765, 15895), (778, 15931), (779, 15934), (792, 15973), (826, 16093), (843, 16126), (858, 16156), (864, 16186), (867, 16195), (869, 16201), (878, 16216), (879, 16219), (882, 16240), (883, 16243), (899, 16285), (904, 16315), (916, 16357),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 146

Candidate Starts for MagicMan_19:

(76, 16845), (120, 16929), (Start: 129 @16941 has 1 MA's), (Start: 146 @16962 has 7 MA's), (255, 17133), (279, 17199), (289, 17232), (297, 17253), (391, 17445), (415, 17517), (443, 17559), (466, 17595), (480, 17625), (490, 17649), (503, 17691), (513, 17718), (565, 17775), (568, 17781), (609, 17868), (758, 18228), (765, 18252), (771, 18270), (815, 18366), (880, 18540), (881, 18543), (884,

18555), (905, 18630), (913, 18657),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 173

Candidate Starts for Magnar_27:

(Start: 152 @20837 has 219 MA's), (Start: 173 @20858 has 4 MA's), (Start: 199 @20900 has 1 MA's), (223, 20945), (320, 21161), (347, 21206), (353, 21215), (367, 21254), (391, 21305), (393, 21308), (491, 21503), (514, 21572), (613, 21773), (614, 21776), (622, 21797), (667, 21893), (668, 21896), (670, 21902), (696, 21971), (699, 21989), (701, 21998), (714, 22028), (753, 22124), (764, 22157), (769, 22172), (815, 22313), (837, 22370), (879, 22481), (925, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 152

Candidate Starts for Magnito_26:

(Start: 152 @20589 has 219 MA's), (Start: 173 @20610 has 4 MA's), (Start: 199 @20652 has 1 MA's), (223, 20697), (320, 20913), (347, 20958), (353, 20967), (367, 21006), (391, 21057), (393, 21060), (491, 21255), (514, 21324), (613, 21525), (614, 21528), (622, 21549), (667, 21645), (668, 21648), (670, 21654), (699, 21741), (701, 21750), (714, 21780), (753, 21876), (764, 21909), (769, 21924), (815, 22065), (837, 22122), (879, 22233),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Magsby_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (609, 15910), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 139

Candidate Starts for Mahavrat_16:

(Start: 139 @14801 has 218 MA's), (207, 14888), (Start: 233 @14933 has 2 MA's), (242, 14957), (282, 15062), (284, 15068), (289, 15086), (300, 15116), (353, 15221), (371, 15275), (375, 15281), (384, 15302), (388, 15311), (398, 15335), (411, 15377), (425, 15410), (441, 15422), (467, 15437), (474, 15443), (493, 15461), (497, 15476), (499, 15482), (506, 15503), (512, 15518), (516, 15533), (520, 15539), (543, 15587), (550, 15599), (554, 15605), (587, 15665), (606, 15713), (609, 15725), (616, 15746), (645, 15800), (648, 15809), (662, 15833), (670, 15863), (751, 15968), (753, 15980), (765, 16016), (792, 16094), (858, 16277), (864, 16307), (867, 16316), (869, 16322), (878, 16337), (879, 16340), (882, 16361), (899, 16406), (916, 16478), (917, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 163

Candidate Starts for Mahdia_18:

(Start: 163 @14818 has 16 MA's), (Start: 175 @14827 has 10 MA's), (195, 14860), (223, 14911), (226, 14914), (300, 15091), (332, 15142), (389, 15265), (445, 15382), (468, 15421), (491, 15463), (515, 15535), (532, 15568), (538, 15580), (581, 15607), (587, 15619), (606, 15655), (608, 15658), (613, 15679), (631, 15724), (667, 15793), (668, 15796), (680, 15838), (687, 15856), (695, 15868), (757, 15982), (762, 15997), (764, 16006), (777, 16039), (792, 16054), (877, 16258), (880, 16273), (897, 16324), (908, 16372),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 150

Candidate Starts for Mainiac_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344),

(668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 134

Candidate Starts for Majeke_19:

(Start: 134 @16391 has 48 MA's), (195, 16472), (197, 16475), (227, 16526), (255, 16589), (259, 16595), (274, 16634), (283, 16667), (292, 16691), (342, 16811), (351, 16826), (359, 16850), (360, 16856), (396, 16940), (410, 16982), (425, 17021), (437, 17027), (480, 17066), (493, 17072), (500, 17096), (520, 17150), (531, 17171), (560, 17231), (597, 17309), (609, 17348), (621, 17381), (648, 17447), (662, 17471), (668, 17495), (676, 17525), (680, 17537), (763, 17639), (767, 17651), (768, 17654), (770, 17660), (774, 17669), (807, 17777), (836, 17861), (874, 17960), (894, 18017), (907, 18068), (923, 18116),

Gene: MajorMajor_27 Start: 19074, Stop: 20864, Start Num: 150

Candidate Starts for MajorMajor_27:

(102, 19008), (Start: 130 @19050 has 8 MA's), (Start: 150 @19074 has 625 MA's), (245, 19212), (253, 19227), (283, 19308), (284, 19311), (319, 19383), (320, 19386), (353, 19440), (355, 19446), (361, 19464), (387, 19524), (401, 19557), (403, 19563), (415, 19602), (445, 19644), (487, 19725), (491, 19728), (509, 19788), (580, 19914), (613, 19998), (631, 20040), (660, 20091), (668, 20121), (708, 20247), (740, 20310), (764, 20382), (769, 20397), (778, 20421), (801, 20496), (805, 20511), (837, 20595), (877, 20700), (879, 20706), (882, 20724), (890, 20751), (894, 20760),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 192

Candidate Starts for MakCheese_20:

(Start: 129 @16009 has 1 MA's), (143, 16027), (Start: 174 @16051 has 18 MA's), (Start: 185 @16063 has 2 MA's), (192, 16078), (223, 16135), (273, 16237), (281, 16267), (288, 16291), (295, 16312), (381, 16498), (443, 16639), (465, 16669), (468, 16678), (470, 16684), (628, 16993), (679, 17122), (681, 17125), (696, 17158), (764, 17326), (766, 17332), (811, 17431), (837, 17500), (880, 17593), (929, 17749),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 152

Candidate Starts for Makemake_27:

(Start: 152 @22305 has 219 MA's), (Start: 173 @22326 has 4 MA's), (Start: 199 @22368 has 1 MA's), (223, 22413), (320, 22629), (347, 22674), (353, 22683), (367, 22722), (391, 22773), (393, 22776), (491, 22971), (514, 23040), (613, 23241), (614, 23244), (622, 23265), (667, 23361), (668, 23364), (670, 23370), (696, 23439), (699, 23457), (701, 23466), (714, 23496), (753, 23592), (764, 23625), (769, 23640), (815, 23781), (837, 23838), (879, 23949),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 177

Candidate Starts for Malachai_20:

(Start: 141 @17092 has 4 MA's), (Start: 177 @17128 has 46 MA's), (237, 17230), (273, 17308), (316, 17407), (338, 17446), (377, 17527), (400, 17581), (405, 17596), (495, 17767), (504, 17797), (617, 17980), (627, 18004), (655, 18055), (687, 18148), (695, 18160), (705, 18205), (713, 18220), (765, 18352), (766, 18355), (810, 18454), (817, 18472), (837, 18523), (868, 18589), (889, 18652), (894, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 96

Candidate Starts for MalagasyRose_24:

(Start: 96 @16589 has 3 MA's), (Start: 127 @16640 has 1 MA's), (Start: 130 @16646 has 8 MA's), (133, 16649), (209, 16739), (213, 16748), (226, 16769), (237, 16790), (284, 16904), (298, 16943), (303, 16958), (306, 16961), (342, 17030), (373, 17102), (387, 17132), (393, 17141), (403, 17171), (405, 17177), (407, 17183), (415, 17210), (426, 17234), (459, 17282), (470, 17309), (502, 17381), (552, 17474), (568, 17486), (587, 17519), (589, 17522), (609, 17582), (627, 17630), (628, 17633),

(667, 17714), (696, 17792), (701, 17819), (703, 17828), (769, 17969), (777, 17987), (834, 18122), (837, 18128), (865, 18185), (880, 18221), (904, 18308), (917, 18356), (929, 18377),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 150

Candidate Starts for Malec_29:

(Start: 130 @20449 has 8 MA's), (Start: 150 @20473 has 625 MA's), (Start: 244 @20608 has 1 MA's), (253, 20626), (283, 20707), (284, 20710), (298, 20740), (319, 20782), (320, 20785), (353, 20839), (355, 20845), (381, 20908), (387, 20923), (401, 20956), (411, 20989), (445, 21043), (487, 21124), (491, 21127), (500, 21157), (614, 21400), (664, 21505), (668, 21520), (714, 21652), (764, 21763), (769, 21778), (771, 21784), (790, 21838), (801, 21877), (805, 21892), (817, 21925), (879, 22087), (894, 22141),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 167

Candidate Starts for Malibo_20:

(153, 16500), (Start: 167 @16515 has 1 MA's), (197, 16560), (226, 16611), (279, 16734), (280, 16737), (341, 16857), (365, 16911), (369, 16923), (385, 16953), (389, 16962), (398, 16983), (409, 17016), (419, 17043), (467, 17112), (476, 17130), (491, 17157), (496, 17175), (497, 17178), (501, 17190), (515, 17229), (520, 17241), (578, 17292), (581, 17298), (615, 17376), (680, 17529), (695, 17559), (696, 17562), (701, 17589), (716, 17625), (754, 17667), (777, 17730), (792, 17745), (802, 17775), (814, 17811), (817, 17820), (859, 17919), (880, 17967), (907, 18063), (915, 18093), (923, 18111),

Gene: Maliketh_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Maliketh_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for Malinsilva_31:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 150

Candidate Starts for Malisha_21:

(120, 18161), (Start: 150 @18200 has 625 MA's), (Start: 160 @18212 has 22 MA's), (Start: 163 @18215 has 16 MA's), (213, 18290), (226, 18311), (241, 18338), (247, 18353), (249, 18359), (252, 18362), (259, 18374), (273, 18410), (279, 18434), (283, 18446), (305, 18503), (315, 18524), (330, 18551), (345, 18578), (361, 18614), (405, 18719), (430, 18776), (443, 18794), (455, 18803), (458, 18809), (480, 18857), (492, 18887), (503, 18923), (505, 18929), (513, 18950), (514, 18953), (581, 19031), (582, 19034), (596, 19061), (606, 19088), (633, 19160), (659, 19199), (677, 19253), (701, 19325), (720, 19370), (757, 19433), (765, 19460), (766, 19463), (771, 19478), (810, 19562), (814, 19571), (815, 19574), (817, 19580), (822, 19595), (835, 19625), (838, 19631), (852, 19652), (853, 19655), (868, 19709), (879, 19739), (880, 19748), (896, 19799), (904, 19832), (908, 19844), (913, 19862),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 134

Candidate Starts for Malithi_19:

(Start: 116 @16286 has 3 MA's), (Start: 134 @16310 has 48 MA's), (184, 16370), (195, 16391), (197, 16394), (259, 16514), (274, 16553), (283, 16586), (292, 16610), (342, 16730), (359, 16769), (360, 16775), (396, 16859), (398, 16865), (402, 16877), (410, 16901), (420, 16928), (437, 16946), (480, 16985), (493, 16991), (500, 17015), (520, 17069), (526, 17081), (531, 17090), (560, 17150), (597, 17228), (609, 17267), (621, 17300), (648, 17366), (659, 17381), (662, 17390), (668, 17414), (676, 17444), (680, 17456), (763, 17558), (767, 17570), (768, 17573), (770, 17579), (774, 17588), (807, 17696), (836, 17780), (874, 17879), (907, 17987), (923, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Malthus_25:

(Start: 96 @18507 has 3 MA's), (Start: 112 @18537 has 26 MA's), (Start: 115 @18543 has 20 MA's), (Start: 118 @18546 has 149 MA's), (Start: 141 @18561 has 4 MA's), (Start: 181 @18603 has 32 MA's), (208, 18651), (230, 18690), (237, 18705), (245, 18723), (261, 18756), (274, 18786), (287, 18831), (294, 18849), (325, 18921), (330, 18927), (347, 18957), (348, 18960), (375, 19023), (381, 19035), (433, 19170), (446, 19188), (465, 19218), (467, 19224), (476, 19242), (492, 19272), (504, 19311), (589, 19437), (610, 19500), (685, 19701), (701, 19755), (719, 19800), (744, 19845), (753, 19869), (764, 19902), (777, 19935), (810, 20007), (815, 20019), (834, 20070), (837, 20076), (882, 20178), (917, 20304), (929, 20325),

Gene: Maminiaina_29 Start: 21290, Stop: 23080, Start Num: 150

Candidate Starts for Maminiaina_29:

(Start: 130 @21266 has 8 MA's), (Start: 150 @21290 has 625 MA's), (283, 21524), (284, 21527), (319, 21599), (320, 21602), (330, 21617), (353, 21656), (355, 21662), (387, 21740), (401, 21773), (445, 21860), (487, 21941), (491, 21944), (541, 22070), (608, 22193), (610, 22205), (614, 22217), (616, 22223), (631, 22256), (668, 22337), (708, 22463), (734, 22517), (738, 22523), (753, 22565), (757, 22574), (764, 22598), (769, 22613), (778, 22637), (790, 22673), (801, 22712), (805, 22727), (837, 22811), (877, 22916), (879, 22922), (890, 22967), (907, 23024),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Manasvini_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 152

Candidate Starts for Manatee_28:

(Start: 152 @20835 has 219 MA's), (Start: 173 @20856 has 4 MA's), (Start: 199 @20898 has 1 MA's), (223, 20943), (320, 21159), (347, 21204), (353, 21213), (367, 21252), (391, 21303), (393, 21306), (491, 21501), (514, 21570), (613, 21771), (614, 21774), (622, 21795), (667, 21891), (668, 21894), (670, 21900), (696, 21969), (699, 21987), (701, 21996), (714, 22026), (753, 22122), (764, 22155), (769, 22170), (815, 22311), (837, 22368), (879, 22479), (925, 22632),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 144

Candidate Starts for Manda_25:

(Start: 144 @20231 has 125 MA's), (Start: 205 @20315 has 48 MA's), (Start: 244 @20393 has 1 MA's), (279, 20480), (284, 20495), (300, 20543), (317, 20582), (359, 20669), (372, 20702), (388, 20738), (400, 20768), (402, 20774), (437, 20843), (495, 20873), (498, 20885), (499, 20888), (520, 20945), (589, 21077), (591, 21083), (614, 21149), (616, 21155), (625, 21179), (648, 21227), (662, 21251), (664, 21260), (688, 21335), (752, 21386), (758, 21401), (809, 21563), (817, 21590), (826, 21620), (868, 21725), (897, 21803), (904, 21839), (907, 21848), (916, 21881), (923, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 139

Candidate Starts for Mandlovu_16:

(Start: 139 @14904 has 218 MA's), (207, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (282, 15165), (284, 15171), (289, 15189), (300, 15219), (353, 15324), (375, 15384), (384, 15405), (388, 15414), (398, 15438), (493, 15564), (497, 15579), (499, 15585), (512, 15621), (513, 15624), (516, 15636), (520, 15642), (543, 15690), (550, 15702), (554, 15708), (587, 15768), (592, 15780), (606, 15816), (609, 15828), (645, 15903), (648, 15912), (660, 15930), (662, 15936), (670, 15966), (751, 16071), (752, 16080), (753, 16083), (765, 16119), (792, 16197), (820, 16296), (826, 16317), (843, 16350), (858, 16380), (864, 16410), (867, 16419), (869, 16425), (878, 16440), (879, 16443), (883, 16467), (894, 16497), (899, 16509), (904, 16539), (916, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 134

Candidate Starts for Mangethe_19:

(Start: 134 @16391 has 48 MA's), (195, 16472), (197, 16475), (227, 16526), (255, 16589), (259, 16595), (274, 16634), (283, 16667), (292, 16691), (342, 16811), (351, 16826), (359, 16850), (360, 16856), (396, 16940), (410, 16982), (425, 17021), (437, 17027), (480, 17066), (493, 17072), (500, 17096), (520, 17150), (531, 17171), (560, 17231), (597, 17309), (609, 17348), (621, 17381), (648, 17447), (662, 17471), (668, 17495), (676, 17525), (680, 17537), (763, 17639), (767, 17651), (768, 17654), (770, 17660), (774, 17669), (807, 17777), (836, 17861), (874, 17960), (894, 18017), (907, 18068), (923, 18116),

Gene: Manilisa_23 Start: 19041, Stop: 20699, Start Num: 186

Candidate Starts for Manilisa_23:

(72, 18852), (95, 18912), (158, 19005), (Start: 186 @19041 has 2 MA's), (Start: 193 @19053 has 3 MA's), (247, 19167), (248, 19173), (272, 19221), (280, 19251), (302, 19317), (304, 19323), (358, 19434), (360, 19443), (370, 19470), (374, 19476), (376, 19479), (385, 19500), (497, 19671), (498, 19674), (523, 19740), (531, 19755), (566, 19839), (579, 19848), (601, 19890), (606, 19911), (622, 19959), (626, 19971), (636, 19998), (668, 20067), (693, 20136), (751, 20169), (768, 20226), (788, 20277), (806, 20346), (823, 20397), (839, 20433), (846, 20448), (865, 20505), (868, 20514), (895, 20592), (898, 20598),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 139

Candidate Starts for Mantra_16:

(Start: 139 @14903 has 218 MA's), (207, 14990), (Start: 233 @15035 has 2 MA's), (242, 15059), (266, 15116), (282, 15164), (284, 15170), (289, 15188), (300, 15218), (353, 15323), (371, 15377), (375, 15383), (379, 15392), (388, 15413), (398, 15437), (410, 15473), (411, 15479), (425, 15512), (427, 15515), (441, 15524), (467, 15539), (474, 15545), (493, 15563), (497, 15578), (499, 15584), (505, 15602), (506, 15605), (512, 15620), (516, 15635), (520, 15641), (543, 15689), (550, 15701), (554, 15707), (587, 15767), (592, 15779), (606, 15815), (609, 15827), (645, 15902), (648, 15911), (660, 15929), (662, 15935), (670, 15965), (751, 16070), (753, 16082), (765, 16118), (792, 16196), (826, 16316), (843, 16349), (858, 16379), (860, 16391), (864, 16409), (866, 16415), (867, 16418), (869, 16424), (878, 16439), (879, 16442), (882, 16463), (883, 16466), (899, 16508), (904, 16538), (916, 16580), (917, 16586),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Manu_30:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (608, 21369), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (719, 21660), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for MarQuardt_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 139

Candidate Starts for Maravista_16:

(Start: 139 @14752 has 218 MA's), (207, 14839), (Start: 233 @14884 has 2 MA's), (242, 14908), (282, 15013), (284, 15019), (289, 15037), (300, 15067), (353, 15172), (375, 15232), (384, 15253), (388, 15262), (396, 15280), (398, 15286), (493, 15412), (497, 15427), (499, 15433), (512, 15469), (513, 15472), (516, 15484), (520, 15490), (543, 15538), (550, 15550), (554, 15556), (587, 15616), (592, 15628), (606, 15664), (609, 15676), (645, 15751), (648, 15760), (660, 15778), (662, 15784), (670, 15814), (751, 15919), (752, 15928), (753, 15931), (765, 15967), (792, 16045), (820, 16144), (826, 16165), (843, 16198), (858, 16228), (864, 16258), (867, 16267), (869, 16273), (878, 16288), (879, 16291), (883, 16315), (894, 16345), (899, 16357), (904, 16387), (916, 16429),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 152

Candidate Starts for Marcell_27:

(Start: 152 @21325 has 219 MA's), (Start: 173 @21346 has 4 MA's), (Start: 199 @21388 has 1 MA's), (223, 21433), (320, 21649), (347, 21694), (353, 21703), (367, 21742), (391, 21793), (393, 21796), (491, 21991), (514, 22060), (613, 22261), (614, 22264), (622, 22285), (667, 22381), (668, 22384), (670, 22390), (696, 22459), (699, 22477), (701, 22486), (714, 22516), (753, 22612), (764, 22645), (769, 22660), (815, 22801), (837, 22858), (879, 22969), (925, 23122),

Gene: Marchesa_27 Start: 19958, Stop: 21757, Start Num: 150

Candidate Starts for Marchesa_27:

(Start: 150 @19958 has 625 MA's), (Start: 199 @20018 has 1 MA's), (237, 20087), (279, 20189), (283, 20201), (284, 20204), (320, 20279), (330, 20294), (332, 20297), (353, 20333), (407, 20468), (445, 20537), (500, 20651), (562, 20777), (613, 20891), (622, 20915), (627, 20927), (631, 20933), (668, 21014), (696, 21089), (699, 21107), (701, 21116), (708, 21140), (714, 21146), (719, 21161), (740, 21203), (751, 21230), (752, 21239), (753, 21242), (761, 21263), (764, 21275), (837, 21488), (877, 21593), (879, 21599), (916, 21734),

Gene: Marchy_26 Start: 20630, Stop: 22432, Start Num: 152

Candidate Starts for Marchy_26:

(Start: 152 @20630 has 219 MA's), (Start: 173 @20651 has 4 MA's), (Start: 199 @20693 has 1 MA's), (223, 20738), (320, 20954), (347, 20999), (353, 21008), (367, 21047), (391, 21098), (393, 21101), (491, 21296), (514, 21365), (613, 21566), (614, 21569), (622, 21590), (667, 21686), (668, 21689), (670, 21695), (696, 21764), (699, 21782), (701, 21791), (714, 21821), (753, 21917), (764, 21950), (769, 21965), (815, 22106), (837, 22163), (879, 22274),

Gene: Marco3_27 Start: 21225, Stop: 23027, Start Num: 152

Candidate Starts for Marco3_27:

(Start: 152 @21225 has 219 MA's), (Start: 173 @21246 has 4 MA's), (Start: 199 @21288 has 1 MA's), (223, 21333), (320, 21549), (347, 21594), (353, 21603), (367, 21642), (391, 21693), (393, 21696), (491, 21891), (514, 21960), (613, 22161), (614, 22164), (622, 22185), (667, 22281), (668, 22284), (670, 22290), (696, 22359), (699, 22377), (701, 22386), (714, 22416), (753, 22512), (764, 22545), (769, 22560), (815, 22701), (837, 22758), (879, 22869),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 115

Candidate Starts for Marcoliusprime_19:

(Start: 96 @14977 has 3 MA's), (Start: 112 @15007 has 26 MA's), (Start: 115 @15013 has 20 MA's), (Start: 138 @15028 has 76 MA's), (Start: 181 @15070 has 32 MA's), (208, 15118), (230, 15157), (237, 15172), (261, 15223), (274, 15253), (283, 15286), (287, 15298), (294, 15316), (325, 15388), (330, 15394), (375, 15490), (381, 15502), (419, 15604), (426, 15619), (446, 15655), (467, 15691), (492, 15739), (504, 15778), (513, 15802), (516, 15814), (589, 15904), (593, 15913), (685, 16159), (701, 16213), (722, 16267), (777, 16381), (786, 16390), (815, 16465), (834, 16516), (837, 16522), (877, 16603), (880, 16618), (898, 16672), (917, 16753), (929, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 160

Candidate Starts for Mareelih_99:

(Start: 160 @59450 has 22 MA's), (Start: 178 @59465 has 2 MA's), (Start: 180 @59468 has 1 MA's), (197, 59495), (230, 59552), (246, 59588), (264, 59621), (275, 59651), (276, 59654), (300, 59723), (307, 59729), (387, 59894), (404, 59936), (407, 59945), (410, 59954), (413, 59966), (485, 60086), (581, 60239), (609, 60299), (673, 60446), (676, 60467), (680, 60482), (706, 60560), (708, 60566), (777, 60683), (792, 60698), (810, 60755), (821, 60785), (834, 60818), (884, 60938), (923, 61067),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 150

Candidate Starts for Margaret_21:

(120, 15439), (Start: 140 @15466 has 9 MA's), (Start: 150 @15469 has 625 MA's), (213, 15553), (274, 15676), (283, 15709), (298, 15754), (375, 15910), (387, 15937), (400, 15967), (430, 16039), (458, 16069), (462, 16081), (476, 16108), (500, 16174), (533, 16255), (582, 16297), (587, 16306), (596, 16324), (611, 16369), (649, 16453), (666, 16489), (667, 16492), (668, 16495), (670, 16501), (673, 16510), (678, 16528), (699, 16585), (765, 16714), (769, 16726), (775, 16741), (786, 16753), (814, 16825), (815, 16828), (816, 16831), (821, 16846), (858, 16927), (879, 16996), (880, 17005), (916, 17134), (923, 17149),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 152

Candidate Starts for Marge_28:

(Start: 152 @21725 has 219 MA's), (Start: 173 @21746 has 4 MA's), (Start: 199 @21788 has 1 MA's), (223, 21833), (320, 22049), (347, 22094), (353, 22103), (367, 22142), (391, 22193), (393, 22196), (430, 22289), (491, 22391), (514, 22460), (613, 22661), (614, 22664), (622, 22685), (667, 22781), (668, 22784), (670, 22790), (696, 22859), (699, 22877), (701, 22886), (714, 22916), (753, 23012), (764, 23045), (769, 23060), (815, 23201), (837, 23258), (879, 23369), (925, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 150

Candidate Starts for Margo_28:

(Start: 150 @20481 has 625 MA's), (Start: 199 @20541 has 1 MA's), (237, 20610), (279, 20712), (283, 20724), (284, 20727), (320, 20802), (330, 20817), (353, 20856), (407, 20991), (445, 21060), (500, 21174), (562, 21300), (613, 21414), (622, 21438), (627, 21450), (631, 21456), (668, 21537), (696, 21612), (699, 21630), (701, 21639), (708, 21663), (714, 21669), (719, 21684), (734, 21717), (752, 21762), (753, 21765), (761, 21786), (802, 21915), (837, 22011), (877, 22116), (879, 22122), (916, 22257),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Maridalia_18:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for Marie_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 190

Candidate Starts for Marietta_43:

(Start: 162 @27890 has 92 MA's), (Start: 174 @27902 has 18 MA's), (Start: 190 @27926 has 1 MA's), (237, 28004), (320, 28187), (355, 28244), (358, 28256), (363, 28271), (398, 28337), (403, 28352), (412, 28376), (461, 28463), (464, 28469), (475, 28493), (501, 28553), (511, 28583), (519, 28604), (596, 28709), (603, 28730), (648, 28817), (666, 28865), (706, 28991), (733, 29027), (814, 29192), (820, 29210), (834, 29246), (902, 29420), (904, 29432), (923, 29489),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Marius_30:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 118

Candidate Starts for MarkPhew_23:

(Start: 96 @16248 has 3 MA's), (Start: 112 @16278 has 26 MA's), (Start: 118 @16287 has 149 MA's), (Start: 144 @16317 has 125 MA's), (237, 16458), (261, 16509), (283, 16572), (325, 16674), (330, 16680), (347, 16710), (385, 16797), (401, 16836), (416, 16884), (424, 16902), (446, 16941), (449, 16944), (459, 16959), (465, 16971), (467, 16977), (476, 16995), (487, 17019), (492, 17025), (500, 17052), (589, 17190), (598, 17208), (665, 17370), (668, 17382), (685, 17430), (707, 17505), (722, 17538), (724, 17544), (753, 17589), (764, 17622), (766, 17628), (777, 17655), (815, 17739), (834, 17790), (880, 17889), (907, 17985), (929, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 139

Candidate Starts for Marker_17:

(Start: 139 @14655 has 218 MA's), (207, 14742), (Start: 233 @14787 has 2 MA's), (242, 14811), (282, 14916), (284, 14922), (289, 14940), (300, 14970), (353, 15075), (375, 15135), (384, 15156), (388, 15165), (398, 15189), (425, 15264), (493, 15315), (497, 15330), (499, 15336), (512, 15372), (513, 15375), (516, 15387), (520, 15393), (543, 15441), (550, 15453), (554, 15459), (587, 15519), (592, 15531), (606, 15567), (609, 15579), (645, 15654), (648, 15663), (660, 15681), (662, 15687), (670, 15717), (751, 15822), (753, 15834), (765, 15870), (792, 15948), (820, 16047), (826, 16068), (843, 16101), (858, 16131), (864, 16161), (867, 16170), (869, 16176), (878, 16191), (879, 16194), (883, 16218), (899, 16260), (916, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 138

Candidate Starts for Marleymoo_41:

(Start: 138 @30187 has 76 MA's), (Start: 205 @30277 has 48 MA's), (230, 30325), (292, 30484), (301, 30514), (347, 30613), (360, 30649), (362, 30655), (372, 30676), (402, 30748), (405, 30757), (411, 30778), (474, 30847), (499, 30886), (500, 30889), (505, 30904), (520, 30943), (543, 30991), (550, 31003), (554, 31009), (577, 31066), (589, 31087), (597, 31105), (612, 31153), (660, 31255), (680,

31327), (758, 31411), (762, 31423), (763, 31429), (767, 31441), (768, 31444), (781, 31483), (789, 31501), (799, 31537), (800, 31543), (826, 31630), (863, 31720), (880, 31762), (885, 31780), (895, 31810), (905, 31852), (923, 31906),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Marmie_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 152

Candidate Starts for Maroc7_26:

(Start: 152 @20829 has 219 MA's), (Start: 173 @20850 has 4 MA's), (Start: 199 @20892 has 1 MA's), (223, 20937), (320, 21153), (347, 21198), (353, 21207), (367, 21246), (391, 21297), (393, 21300), (491, 21495), (514, 21564), (613, 21765), (614, 21768), (622, 21789), (667, 21885), (668, 21888), (670, 21894), (696, 21963), (699, 21981), (701, 21990), (714, 22020), (753, 22116), (764, 22149), (769, 22164), (815, 22305), (837, 22362), (879, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 152

Candidate Starts for Marsha_27:

(Start: 152 @21951 has 219 MA's), (Start: 173 @21972 has 4 MA's), (Start: 199 @22014 has 1 MA's), (223, 22059), (320, 22275), (347, 22320), (353, 22329), (367, 22368), (391, 22419), (393, 22422), (430, 22515), (491, 22617), (514, 22686), (613, 22887), (614, 22890), (622, 22911), (667, 23007), (668, 23010), (670, 23016), (696, 23085), (699, 23103), (701, 23112), (714, 23142), (753, 23238), (764, 23271), (769, 23286), (815, 23427), (837, 23484), (879, 23595),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 118

Candidate Starts for Marshawn_24:

(Start: 96 @16866 has 3 MA's), (Start: 112 @16896 has 26 MA's), (Start: 118 @16905 has 149 MA's), (Start: 121 @16911 has 44 MA's), (Start: 144 @16935 has 125 MA's), (230, 17061), (237, 17076), (245, 17094), (274, 17157), (283, 17190), (287, 17202), (294, 17220), (325, 17292), (363, 17370), (385, 17415), (391, 17427), (401, 17454), (424, 17520), (446, 17559), (449, 17562), (459, 17577), (465, 17589), (467, 17595), (487, 17637), (492, 17643), (589, 17808), (598, 17826), (615, 17886), (628, 17916), (643, 17943), (659, 17967), (665, 17988), (668, 18000), (685, 18048), (707, 18123), (724, 18162), (764, 18240), (766, 18246), (771, 18261), (777, 18273), (786, 18282), (815, 18357), (834, 18408), (880, 18507), (913, 18624), (917, 18642), (929, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 205

Candidate Starts for Marshmallow_24:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 119

Candidate Starts for Marteena_20:

(Start: 104 @17542 has 1 MA's), (Start: 119 @17566 has 25 MA's), (201, 17671), (224, 17713), (266, 17788), (320, 17902), (387, 18049), (391, 18055), (407, 18100), (483, 18238), (512, 18313), (667,

18595), (674, 18616), (699, 18691), (744, 18778), (759, 18814), (769, 18847), (771, 18853), (804, 18919), (815, 18949), (877, 19105), (879, 19111), (882, 19129), (914, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 139

Candidate Starts for Martik_16:

(Start: 139 @14813 has 218 MA's), (207, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (282, 15074), (284, 15080), (289, 15098), (300, 15128), (353, 15233), (371, 15287), (375, 15293), (379, 15302), (388, 15323), (398, 15347), (410, 15383), (411, 15389), (425, 15422), (427, 15425), (441, 15434), (467, 15449), (474, 15455), (493, 15473), (497, 15488), (499, 15494), (505, 15512), (506, 15515), (512, 15530), (516, 15545), (520, 15551), (543, 15599), (550, 15611), (554, 15617), (587, 15677), (592, 15689), (606, 15725), (609, 15737), (645, 15812), (648, 15821), (660, 15839), (662, 15845), (670, 15875), (751, 15980), (753, 15992), (765, 16028), (792, 16106), (826, 16226), (843, 16259), (858, 16289), (860, 16301), (864, 16319), (866, 16325), (867, 16328), (869, 16334), (878, 16349), (879, 16352), (882, 16373), (883, 16376), (899, 16418), (904, 16448), (916, 16490), (917, 16496),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 152

Candidate Starts for MaryBeth_27:

(Start: 152 @21259 has 219 MA's), (Start: 173 @21280 has 4 MA's), (Start: 199 @21322 has 1 MA's), (223, 21367), (320, 21583), (347, 21628), (353, 21637), (391, 21727), (393, 21730), (430, 21823), (491, 21925), (514, 21994), (609, 22183), (613, 22195), (614, 22198), (622, 22219), (667, 22315), (668, 22318), (670, 22324), (696, 22393), (699, 22411), (701, 22420), (714, 22450), (753, 22546), (764, 22579), (769, 22594), (815, 22735), (837, 22792), (879, 22903),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 139

Candidate Starts for MarysWell_23:

(Start: 139 @19695 has 218 MA's), (Start: 150 @19707 has 625 MA's), (230, 19812), (245, 19845), (284, 19944), (320, 20019), (330, 20034), (351, 20070), (381, 20142), (387, 20157), (403, 20196), (411, 20223), (453, 20283), (500, 20391), (509, 20421), (513, 20427), (587, 20562), (609, 20619), (610, 20622), (613, 20631), (631, 20673), (640, 20691), (667, 20751), (668, 20754), (699, 20847), (701, 20856), (708, 20880), (752, 20988), (764, 21024), (837, 21234), (876, 21336), (879, 21345), (910, 21459), (916, 21480), (919, 21489),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 168

Candidate Starts for Maselop_45:

(Start: 168 @31376 has 10 MA's), (Start: 177 @31385 has 46 MA's), (212, 31439), (230, 31463), (237, 31466), (365, 31736), (398, 31799), (403, 31814), (469, 31931), (477, 31946), (501, 32003), (504, 32012), (519, 32054), (531, 32075), (551, 32105), (597, 32162), (630, 32237), (673, 32333), (706, 32438), (707, 32441), (724, 32468), (771, 32546), (797, 32585), (858, 32741), (884, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 165

Candidate Starts for Matteo_17:

(67, 14523), (79, 14559), (Start: 165 @14694 has 39 MA's), (239, 14811), (271, 14883), (272, 14886), (282, 14922), (299, 14961), (363, 15084), (373, 15105), (403, 15174), (404, 15177), (467, 15309), (495, 15363), (524, 15444), (568, 15504), (575, 15510), (648, 15669), (659, 15687), (663, 15702), (668, 15726), (696, 15798), (697, 15801), (700, 15822), (810, 16056), (816, 16071), (831, 16113), (867, 16206), (868, 16209), (882, 16257), (891, 16287), (897, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 139

Candidate Starts for Mattes_16:

(Start: 139 @14804 has 218 MA's), (207, 14891), (Start: 233 @14936 has 2 MA's), (242, 14960), (266, 15017), (282, 15065), (284, 15071), (289, 15089), (300, 15119), (353, 15224), (371, 15278), (375, 15284), (379, 15293), (388, 15314), (398, 15338), (410, 15374), (411, 15380), (425, 15413), (427,

15416), (441, 15425), (467, 15440), (474, 15446), (493, 15464), (497, 15479), (499, 15485), (505, 15503), (506, 15506), (512, 15521), (516, 15536), (520, 15542), (543, 15590), (550, 15602), (554, 15608), (587, 15668), (592, 15680), (606, 15716), (609, 15728), (645, 15803), (648, 15812), (660, 15830), (662, 15836), (670, 15866), (751, 15971), (753, 15983), (765, 16019), (792, 16097), (826, 16217), (843, 16250), (858, 16280), (860, 16292), (864, 16310), (866, 16316), (867, 16319), (869, 16325), (878, 16340), (879, 16343), (882, 16364), (883, 16367), (899, 16409), (904, 16439), (916, 16481), (917, 16487),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Maverick_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for Maxo_27:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 205

Candidate Starts for Maxxinista_25:

(Start: 144 @19213 has 125 MA's), (Start: 205 @19297 has 48 MA's), (Start: 244 @19375 has 1 MA's), (279, 19462), (284, 19477), (300, 19525), (317, 19564), (359, 19651), (372, 19684), (388, 19720), (400, 19750), (402, 19756), (437, 19825), (495, 19855), (498, 19867), (499, 19870), (520, 19927), (589, 20059), (591, 20065), (614, 20131), (616, 20137), (625, 20161), (648, 20209), (662, 20233), (664, 20242), (688, 20317), (752, 20368), (758, 20383), (809, 20545), (817, 20572), (826, 20602), (868, 20707), (897, 20785), (904, 20821), (907, 20830), (916, 20863), (923, 20878),

Gene: Mayonnaise_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Mayonnaise_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (375, 20256), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 150

Candidate Starts for Mayweather_19:

(Start: 140 @16037 has 9 MA's), (Start: 150 @16040 has 625 MA's), (222, 16139), (245, 16181), (255, 16202), (296, 16319), (351, 16421), (387, 16508), (400, 16538), (409, 16565), (430, 16610), (445, 16628), (458, 16643), (465, 16658), (490, 16715), (500, 16748), (504, 16760), (515, 16790), (567, 16847), (580, 16865), (594, 16895), (606, 16925), (610, 16940), (627, 16988), (657, 17039), (668, 17075), (673, 17090), (678, 17108), (699, 17165), (765, 17294), (769, 17306), (814, 17405), (815, 17408), (821, 17426), (852, 17486), (858, 17504), (864, 17531), (879, 17573), (919, 17720), (923,

17726),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Mazhar510_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 162

Candidate Starts for Mbo4_17:

(79, 15625), (Start: 162 @15757 has 92 MA's), (323, 16027), (347, 16066), (396, 16177), (468, 16333), (579, 16435), (603, 16471), (613, 16507), (648, 16594), (659, 16612), (665, 16639), (680, 16690), (801, 16933), (891, 17194), (898, 17209), (910, 17263),

Gene: McCrothy_35 Start: 31555, Stop: 33318, Start Num: 105

Candidate Starts for McCrothy_35:

(97, 31537), (Start: 105 @31555 has 84 MA's), (Start: 129 @31591 has 1 MA's), (226, 31729), (272, 31825), (275, 31834), (296, 31903), (320, 31954), (347, 31999), (355, 32014), (391, 32095), (407, 32140), (410, 32149), (466, 32239), (480, 32269), (487, 32284), (495, 32308), (504, 32338), (585, 32443), (631, 32560), (641, 32578), (647, 32593), (664, 32623), (667, 32635), (668, 32638), (676, 32665), (815, 32989), (816, 32992), (834, 33040), (852, 33067), (860, 33094), (877, 33148), (882, 33172), (883, 33175), (908, 33265), (925, 33313),

Gene: McDazzle_17 Start: 15887, Stop: 17581, Start Num: 150

Candidate Starts for McDazzle_17:

(Start: 140 @15884 has 9 MA's), (Start: 150 @15887 has 625 MA's), (222, 15986), (245, 16028), (255, 16049), (351, 16268), (400, 16385), (409, 16412), (430, 16457), (436, 16463), (445, 16475), (458, 16490), (465, 16505), (490, 16562), (500, 16595), (504, 16607), (567, 16694), (580, 16712), (594, 16742), (606, 16772), (610, 16787), (627, 16835), (657, 16886), (668, 16922), (673, 16937), (678, 16955), (699, 17012), (765, 17141), (769, 17153), (798, 17201), (814, 17252), (815, 17255), (821, 17273), (858, 17351), (864, 17378), (879, 17420), (919, 17567), (923, 17573),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for McFly_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (415, 20504), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 152

Candidate Starts for McGuire_28:

(Start: 152 @21127 has 219 MA's), (Start: 173 @21148 has 4 MA's), (Start: 199 @21190 has 1 MA's), (223, 21235), (320, 21451), (347, 21496), (353, 21505), (391, 21595), (393, 21598), (430, 21691), (491, 21793), (514, 21862), (613, 22063), (614, 22066), (622, 22087), (667, 22183), (668, 22186), (670, 22192), (696, 22261), (699, 22279), (701, 22288), (714, 22318), (753, 22414), (764, 22447), (769, 22462), (815, 22603), (837, 22660), (879, 22771), (925, 22924),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 105

Candidate Starts for McKinley_37:

(97, 31755), (Start: 105 @31773 has 84 MA's), (Start: 129 @31809 has 1 MA's), (226, 31947), (272, 32043), (275, 32052), (296, 32121), (320, 32172), (347, 32217), (355, 32232), (391, 32313), (407, 32358), (410, 32367), (466, 32457), (480, 32487), (487, 32502), (495, 32526), (504, 32556), (585, 32661), (631, 32778), (641, 32796), (647, 32811), (664, 32841), (667, 32853), (668, 32856), (676, 32883), (815, 33207), (816, 33210), (834, 33258), (852, 33285), (860, 33312), (877, 33366), (883, 33393), (925, 33531),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for McMater_23:

(Start: 112 @16505 has 26 MA's), (Start: 118 @16514 has 149 MA's), (Start: 121 @16520 has 44 MA's), (Start: 144 @16544 has 125 MA's), (Start: 181 @16583 has 32 MA's), (230, 16670), (237, 16685), (245, 16703), (261, 16736), (325, 16901), (347, 16937), (381, 17015), (385, 17024), (424, 17129), (426, 17132), (449, 17171), (465, 17198), (467, 17204), (487, 17246), (492, 17252), (500, 17279), (589, 17417), (598, 17435), (628, 17525), (643, 17552), (662, 17585), (685, 17657), (701, 17711), (716, 17747), (724, 17771), (753, 17816), (764, 17849), (769, 17864), (777, 17882), (786, 17891), (815, 17966), (834, 18017), (837, 18023), (882, 18125), (917, 18251), (919, 18254), (929, 18272),

Gene: McSinger_28 Start: 21519, Stop: 23321, Start Num: 152

Candidate Starts for McSinger_28:

(Start: 152 @21519 has 219 MA's), (Start: 173 @21540 has 4 MA's), (Start: 199 @21582 has 1 MA's), (223, 21627), (320, 21843), (347, 21888), (353, 21897), (367, 21936), (391, 21987), (393, 21990), (491, 22185), (514, 22254), (613, 22455), (614, 22458), (622, 22479), (667, 22575), (668, 22578), (670, 22584), (696, 22653), (699, 22671), (701, 22680), (714, 22710), (753, 22806), (764, 22839), (769, 22854), (815, 22995), (837, 23052), (879, 23163), (925, 23316),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 162

Candidate Starts for Mcklovin_20:

(87, 19954), (Start: 162 @20071 has 92 MA's), (312, 20329), (323, 20350), (355, 20404), (368, 20443), (396, 20500), (403, 20521), (526, 20692), (534, 20710), (552, 20734), (575, 20755), (603, 20797), (631, 20878), (667, 20968), (700, 21070), (701, 21073), (722, 21127), (770, 21217), (880, 21496), (882, 21505), (891, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 118

Candidate Starts for Mdavu_19:

(Start: 118 @16685 has 149 MA's), (Start: 121 @16691 has 44 MA's), (Start: 144 @16715 has 125 MA's), (230, 16841), (237, 16856), (245, 16874), (274, 16937), (325, 17072), (330, 17078), (381, 17186), (385, 17195), (424, 17300), (465, 17369), (467, 17375), (483, 17411), (492, 17423), (513, 17486), (589, 17588), (598, 17606), (609, 17648), (610, 17651), (662, 17756), (685, 17828), (722, 17936), (724, 17942), (753, 17987), (771, 18041), (786, 18062), (815, 18137), (834, 18188), (880, 18287), (884, 18302), (897, 18338), (907, 18383), (917, 18422), (919, 18425), (929, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 118

Candidate Starts for MeaningOfLife_23:

(Start: 118 @17124 has 149 MA's), (Start: 144 @17154 has 125 MA's), (245, 17313), (261, 17346), (274, 17376), (283, 17409), (287, 17421), (325, 17511), (351, 17553), (381, 17625), (385, 17634), (401, 17673), (415, 17718), (424, 17739), (426, 17742), (459, 17796), (467, 17814), (487, 17856), (492, 17862), (500, 17889), (589, 18027), (598, 18045), (609, 18087), (615, 18105), (628, 18135), (643, 18162), (685, 18267), (753, 18426), (765, 18462), (777, 18492), (786, 18501), (815, 18576), (834, 18627), (907, 18822), (917, 18861), (919, 18864), (929, 18882),

Gene: Medindi_16 Start: 14802, Stop: 16511, Start Num: 139

Candidate Starts for Medindi_16:

(Start: 139 @14802 has 218 MA's), (207, 14889), (Start: 233 @14934 has 2 MA's), (242, 14958), (282, 15063), (284, 15069), (289, 15087), (300, 15117), (353, 15222), (375, 15282), (384, 15303), (388, 15312), (398, 15336), (425, 15411), (427, 15414), (493, 15462), (497, 15477), (499, 15483), (512, 15519), (513, 15522), (516, 15534), (520, 15540), (543, 15588), (550, 15600), (554, 15606), (587, 15666), (592, 15678), (606, 15714), (609, 15726), (645, 15801), (648, 15810), (660, 15828), (662, 15834), (670, 15864), (751, 15969), (752, 15978), (753, 15981), (765, 16017), (792, 16095), (820, 16194), (826, 16215), (843, 16248), (858, 16278), (864, 16308), (867, 16317), (869, 16323), (878, 16338), (879, 16341), (883, 16365), (894, 16395), (899, 16407), (904, 16437), (916, 16479),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Medusa_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for MeeZee_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: MegTheThird_28 Start: 19928, Stop: 21481, Start Num: 284

Candidate Starts for MegTheThird_28:

(102, 19625), (Start: 130 @19667 has 8 MA's), (Start: 150 @19691 has 625 MA's), (253, 19844), (283, 19925), (284, 19928), (319, 20000), (320, 20003), (353, 20057), (355, 20063), (375, 20114), (387, 20141), (391, 20147), (401, 20174), (403, 20180), (415, 20219), (419, 20228), (445, 20261), (487, 20342), (491, 20345), (509, 20405), (563, 20507), (568, 20516), (580, 20531), (608, 20594), (631, 20657), (668, 20738), (708, 20864), (727, 20909), (752, 20963), (753, 20966), (769, 21014), (778, 21038), (801, 21113), (805, 21128), (837, 21212), (877, 21317), (879, 21323), (890, 21368), (917, 21464),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for Megiddo_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 118

Candidate Starts for Megsy_23:

(Start: 118 @17125 has 149 MA's), (Start: 144 @17155 has 125 MA's), (245, 17314), (261, 17347), (274, 17377), (283, 17410), (287, 17422), (325, 17512), (351, 17554), (377, 17617), (381, 17626), (385, 17635), (401, 17674), (415, 17719), (424, 17740), (426, 17743), (467, 17815), (487, 17857), (492, 17863), (500, 17890), (589, 18028), (598, 18046), (609, 18088), (615, 18106), (628, 18136),

(643, 18163), (685, 18268), (753, 18427), (765, 18463), (777, 18493), (786, 18502), (815, 18577), (834, 18628), (907, 18823), (917, 18862), (919, 18865), (929, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 172

Candidate Starts for MelBins_34:

(Start: 172 @29286 has 18 MA's), (182, 29298), (200, 29331), (Start: 205 @29340 has 48 MA's), (211, 29352), (230, 29382), (245, 29415), (279, 29499), (283, 29511), (321, 29586), (355, 29646), (365, 29676), (468, 29883), (485, 29913), (501, 29958), (505, 29970), (525, 30018), (581, 30066), (613, 30138), (626, 30171), (627, 30174), (650, 30213), (667, 30252), (695, 30339), (696, 30342), (721, 30420), (765, 30480), (792, 30525), (817, 30606), (840, 30660), (877, 30741), (880, 30756), (916, 30885), (923, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 177

Candidate Starts for Melba_19:

(Start: 141 @16614 has 4 MA's), (Start: 177 @16650 has 46 MA's), (237, 16752), (273, 16830), (274, 16833), (316, 16929), (338, 16968), (377, 17049), (400, 17103), (405, 17118), (495, 17289), (504, 17319), (617, 17502), (627, 17526), (628, 17529), (655, 17577), (687, 17670), (695, 17682), (705, 17727), (713, 17742), (765, 17874), (766, 17877), (810, 17976), (817, 17994), (837, 18045), (868, 18111), (889, 18174), (894, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 139

Candidate Starts for Melissauren88_16:

(Start: 139 @14837 has 218 MA's), (207, 14924), (Start: 233 @14969 has 2 MA's), (242, 14993), (282, 15098), (284, 15104), (289, 15122), (300, 15152), (353, 15257), (375, 15317), (384, 15338), (388, 15347), (396, 15365), (398, 15371), (493, 15497), (497, 15512), (499, 15518), (512, 15554), (513, 15557), (516, 15569), (520, 15575), (543, 15623), (550, 15635), (554, 15641), (587, 15701), (592, 15713), (606, 15749), (609, 15761), (645, 15836), (648, 15845), (660, 15863), (662, 15869), (670, 15899), (751, 16004), (752, 16013), (753, 16016), (765, 16052), (792, 16130), (820, 16229), (826, 16250), (843, 16283), (858, 16313), (864, 16343), (867, 16352), (869, 16358), (878, 16373), (879, 16376), (883, 16400), (894, 16430), (899, 16442), (904, 16472), (916, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 177

Candidate Starts for Mellie_18:

(Start: 141 @16375 has 4 MA's), (Start: 177 @16411 has 46 MA's), (237, 16513), (273, 16591), (274, 16594), (316, 16690), (338, 16729), (367, 16789), (377, 16810), (400, 16864), (405, 16879), (459, 16975), (495, 17050), (504, 17080), (617, 17263), (627, 17287), (655, 17338), (687, 17431), (695, 17443), (705, 17488), (713, 17503), (765, 17635), (766, 17638), (810, 17737), (817, 17755), (837, 17806), (866, 17866), (868, 17872), (889, 17935), (894, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Melville_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Melvin_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145),

(330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 162

Candidate Starts for MerCougar_42:

(Start: 162 @30743 has 92 MA's), (237, 30857), (275, 30941), (363, 31124), (398, 31190), (403, 31205), (412, 31229), (413, 31232), (461, 31316), (475, 31346), (498, 31397), (501, 31406), (507, 31424), (517, 31454), (531, 31478), (596, 31562), (603, 31583), (626, 31631), (648, 31670), (666, 31718), (706, 31844), (733, 31880), (797, 31991), (817, 32054), (821, 32066), (894, 32243), (904, 32285), (923, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 90

Candidate Starts for Mercurio_20:

(18, 16770), (71, 17289), (75, 17307), (Start: 90 @17337 has 1 MA's), (208, 17487), (237, 17541), (261, 17592), (274, 17622), (280, 17646), (311, 17724), (351, 17799), (467, 18069), (470, 18078), (492, 18117), (504, 18156), (515, 18186), (550, 18240), (589, 18282), (643, 18423), (685, 18528), (696, 18555), (733, 18648), (764, 18720), (798, 18783), (802, 18798), (809, 18822), (834, 18888), (880, 18987), (907, 19083), (921, 19128),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 152

Candidate Starts for MetalQZJ_27:

(Start: 152 @21259 has 219 MA's), (Start: 173 @21280 has 4 MA's), (Start: 199 @21322 has 1 MA's), (223, 21367), (320, 21583), (347, 21628), (353, 21637), (391, 21727), (393, 21730), (430, 21823), (491, 21925), (514, 21994), (609, 22183), (613, 22195), (614, 22198), (622, 22219), (667, 22315), (668, 22318), (670, 22324), (696, 22393), (699, 22411), (701, 22420), (714, 22450), (753, 22546), (764, 22579), (769, 22594), (815, 22735), (837, 22792), (879, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 150

Candidate Starts for Methuselah_28:

(Start: 150 @20462 has 625 MA's), (Start: 199 @20519 has 1 MA's), (208, 20534), (226, 20567), (237, 20588), (Start: 244 @20603 has 1 MA's), (279, 20690), (283, 20702), (284, 20705), (320, 20780), (330, 20795), (351, 20831), (445, 21038), (500, 21152), (514, 21191), (562, 21278), (613, 21392), (622, 21416), (631, 21434), (668, 21515), (696, 21590), (699, 21608), (708, 21641), (714, 21647), (727, 21686), (752, 21740), (753, 21743), (761, 21764), (780, 21821), (837, 21989), (877, 22094), (879, 22100), (916, 22235),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 193

Candidate Starts for Meyran_21:

(72, 18715), (95, 18775), (158, 18868), (Start: 186 @18904 has 2 MA's), (Start: 193 @18916 has 3 MA's), (247, 19030), (248, 19036), (272, 19084), (302, 19180), (304, 19186), (358, 19297), (360, 19306), (370, 19333), (374, 19339), (376, 19342), (385, 19363), (497, 19534), (498, 19537), (523, 19603), (531, 19618), (566, 19702), (579, 19711), (601, 19753), (606, 19774), (622, 19822), (626, 19834), (636, 19861), (668, 19930), (693, 19999), (751, 20032), (768, 20089), (788, 20140), (806, 20209), (823, 20260), (839, 20296), (846, 20311), (865, 20368), (868, 20377), (882, 20416), (895, 20455), (898, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 138

Candidate Starts for MiaZeal_34:

(Start: 138 @24890 has 76 MA's), (Start: 205 @24980 has 48 MA's), (207, 24983), (242, 25058), (255, 25085), (279, 25151), (292, 25187), (301, 25217), (308, 25232), (347, 25316), (360, 25352), (372, 25379), (390, 25418), (402, 25451), (405, 25460), (427, 25517), (479, 25559), (515, 25634), (520,

25646), (550, 25706), (572, 25760), (589, 25790), (597, 25808), (602, 25817), (610, 25850), (614, 25862), (616, 25868), (631, 25907), (662, 25964), (758, 26114), (763, 26132), (778, 26174), (787, 26198), (788, 26201), (792, 26216), (800, 26246), (809, 26276), (826, 26333), (885, 26483), (919, 26603), (923, 26609),

Gene: Micasa_24 Start: 19633, Stop: 21429, Start Num: 150

Candidate Starts for Micasa_24:

(Start: 150 @19633 has 625 MA's), (230, 19738), (245, 19771), (284, 19870), (320, 19945), (330, 19960), (351, 19996), (381, 20068), (387, 20083), (403, 20122), (509, 20347), (513, 20353), (587, 20488), (609, 20545), (610, 20548), (613, 20557), (631, 20599), (640, 20617), (667, 20677), (668, 20680), (699, 20773), (701, 20782), (708, 20806), (752, 20914), (764, 20950), (837, 21160), (876, 21262), (879, 21271), (916, 21406), (919, 21415),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 162

Candidate Starts for MichaelScott_20:

(87, 17586), (Start: 162 @17703 has 92 MA's), (312, 17961), (323, 17982), (355, 18036), (368, 18075), (396, 18132), (403, 18153), (526, 18324), (534, 18342), (552, 18366), (575, 18387), (603, 18429), (631, 18510), (667, 18600), (681, 18645), (700, 18702), (701, 18705), (722, 18759), (770, 18849), (880, 19128), (882, 19137), (891, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 144

Candidate Starts for MichelleMyBell_18:

(Start: 144 @14987 has 125 MA's), (Start: 169 @15014 has 1 MA's), (Start: 233 @15119 has 2 MA's), (236, 15131), (252, 15167), (274, 15218), (279, 15239), (282, 15248), (284, 15254), (292, 15275), (295, 15287), (371, 15461), (375, 15467), (382, 15485), (388, 15497), (390, 15500), (398, 15521), (425, 15596), (467, 15623), (493, 15647), (494, 15650), (497, 15662), (512, 15704), (516, 15719), (520, 15725), (525, 15734), (543, 15773), (564, 15827), (587, 15851), (609, 15911), (634, 15977), (645, 15986), (648, 15995), (669, 16046), (670, 16049), (751, 16154), (765, 16202), (778, 16238), (789, 16268), (808, 16340), (864, 16493), (867, 16502), (878, 16523), (880, 16538), (883, 16550), (897, 16586), (899, 16592),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 152

Candidate Starts for Michley_27:

(Start: 152 @21004 has 219 MA's), (Start: 173 @21025 has 4 MA's), (Start: 199 @21067 has 1 MA's), (223, 21112), (320, 21328), (347, 21373), (353, 21382), (367, 21421), (391, 21472), (393, 21475), (491, 21670), (514, 21739), (613, 21940), (614, 21943), (622, 21964), (667, 22060), (668, 22063), (670, 22069), (696, 22138), (699, 22156), (701, 22165), (714, 22195), (753, 22291), (764, 22324), (769, 22339), (815, 22480), (837, 22537), (879, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for Microwolf_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 150

Candidate Starts for MiculUcigas_28:

(Start: 130 @20189 has 8 MA's), (Start: 150 @20213 has 625 MA's), (Start: 244 @20348 has 1 MA's), (283, 20447), (284, 20450), (319, 20522), (320, 20525), (353, 20579), (355, 20585), (381, 20648), (401, 20696), (411, 20729), (445, 20783), (487, 20864), (491, 20867), (500, 20897), (580, 21053),

(614, 21140), (668, 21260), (707, 21383), (708, 21386), (714, 21392), (743, 21440), (764, 21503), (769, 21518), (771, 21524), (790, 21578), (801, 21617), (805, 21632), (817, 21665), (877, 21821), (879, 21827), (894, 21881),

Gene: MicyPS_17 Start: 17411, Stop: 19057, Start Num: 178

Candidate Starts for MicyPS_17:

(Start: 178 @17411 has 2 MA's), (284, 17636), (305, 17678), (403, 17888), (445, 17969), (463, 17999), (495, 18065), (512, 18116), (530, 18152), (668, 18395), (676, 18422), (695, 18467), (709, 18524), (766, 18620), (817, 18737), (908, 19001), (914, 19022), (925, 19049),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 150

Candidate Starts for Midas2_24:

(Start: 139 @19695 has 218 MA's), (Start: 150 @19707 has 625 MA's), (230, 19812), (245, 19845), (284, 19944), (320, 20019), (330, 20034), (351, 20070), (381, 20142), (387, 20157), (403, 20196), (509, 20421), (513, 20427), (587, 20562), (609, 20619), (610, 20622), (613, 20631), (631, 20673), (640, 20691), (667, 20751), (668, 20754), (699, 20847), (701, 20856), (708, 20880), (752, 20988), (764, 21024), (837, 21234), (876, 21336), (879, 21345), (916, 21480), (919, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 150

Candidate Starts for Miko_31:

(Start: 130 @21783 has 8 MA's), (Start: 150 @21807 has 625 MA's), (266, 21990), (283, 22041), (284, 22044), (319, 22116), (320, 22119), (353, 22173), (401, 22290), (445, 22377), (478, 22437), (487, 22458), (491, 22461), (504, 22503), (580, 22647), (614, 22734), (631, 22773), (668, 22854), (714, 22986), (764, 23097), (769, 23112), (771, 23118), (790, 23172), (801, 23211), (805, 23226), (817, 23259), (837, 23310), (868, 23388), (877, 23415), (879, 23421), (894, 23475),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 139

Candidate Starts for MilanaBonita_17:

(Start: 139 @15476 has 218 MA's), (207, 15563), (Start: 233 @15608 has 2 MA's), (242, 15632), (282, 15737), (284, 15743), (289, 15761), (300, 15791), (353, 15896), (375, 15956), (384, 15977), (388, 15986), (398, 16010), (493, 16136), (497, 16151), (499, 16157), (512, 16193), (513, 16196), (516, 16208), (520, 16214), (543, 16262), (550, 16274), (554, 16280), (587, 16340), (592, 16352), (606, 16388), (609, 16400), (645, 16475), (648, 16484), (660, 16502), (662, 16508), (670, 16538), (751, 16643), (752, 16652), (753, 16655), (761, 16676), (765, 16691), (789, 16757), (792, 16769), (820, 16868), (826, 16889), (843, 16922), (858, 16952), (864, 16982), (867, 16991), (869, 16997), (878, 17012), (879, 17015), (883, 17039), (894, 17069), (899, 17081), (904, 17111), (916, 17153),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 150

Candidate Starts for Milcery_24:

(Start: 150 @19663 has 625 MA's), (230, 19768), (245, 19801), (284, 19900), (320, 19975), (330, 19990), (351, 20026), (381, 20098), (387, 20113), (403, 20152), (411, 20179), (419, 20200), (453, 20239), (509, 20377), (513, 20383), (587, 20518), (609, 20575), (610, 20578), (613, 20587), (631, 20629), (640, 20647), (667, 20707), (668, 20710), (699, 20803), (701, 20812), (708, 20836), (752, 20944), (764, 20980), (837, 21190), (876, 21292), (879, 21301), (910, 21415), (916, 21436), (919, 21445),

Gene: MilleFeuille_24 Start: 20942, Stop: 22744, Start Num: 152

Candidate Starts for MilleFeuille_24:

(Start: 152 @20942 has 219 MA's), (Start: 173 @20963 has 4 MA's), (Start: 199 @21005 has 1 MA's), (223, 21050), (320, 21266), (347, 21311), (353, 21320), (367, 21359), (391, 21410), (393, 21413), (491, 21608), (514, 21677), (613, 21878), (614, 21881), (622, 21902), (667, 21998), (668, 22001), (670, 22007), (696, 22076), (699, 22094), (701, 22103), (714, 22133), (753, 22229), (764, 22262), (769, 22277), (815, 22418), (837, 22475), (879, 22586),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 139

Candidate Starts for MilleniumForce_17:

(Start: 139 @15620 has 218 MA's), (207, 15707), (Start: 233 @15752 has 2 MA's), (242, 15776), (282, 15881), (284, 15887), (289, 15905), (300, 15935), (353, 16040), (375, 16100), (384, 16121), (388, 16130), (398, 16154), (493, 16280), (497, 16295), (499, 16301), (512, 16337), (513, 16340), (516, 16352), (520, 16358), (543, 16406), (550, 16418), (554, 16424), (587, 16484), (592, 16496), (606, 16532), (609, 16544), (645, 16619), (648, 16628), (660, 16646), (662, 16652), (670, 16682), (751, 16787), (752, 16796), (753, 16799), (765, 16835), (792, 16913), (820, 17012), (826, 17033), (843, 17066), (858, 17096), (864, 17126), (867, 17135), (869, 17141), (878, 17156), (879, 17159), (883, 17183), (894, 17213), (899, 17225), (904, 17255), (916, 17297),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 150

Candidate Starts for Millski_26:

(Start: 130 @19806 has 8 MA's), (Start: 150 @19830 has 625 MA's), (Start: 199 @19887 has 1 MA's), (230, 19941), (237, 19956), (245, 19974), (279, 20058), (283, 20070), (284, 20073), (320, 20148), (330, 20163), (353, 20202), (401, 20319), (445, 20406), (487, 20487), (505, 20535), (514, 20559), (562, 20646), (587, 20691), (614, 20763), (622, 20784), (631, 20802), (668, 20883), (699, 20976), (701, 20985), (708, 21009), (714, 21015), (722, 21039), (753, 21093), (761, 21114), (778, 21165), (787, 21189), (802, 21243), (837, 21339), (877, 21444), (880, 21459), (911, 21567), (916, 21585),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 115

Candidate Starts for Milly_19:

(Start: 96 @14977 has 3 MA's), (Start: 112 @15007 has 26 MA's), (Start: 115 @15013 has 20 MA's), (Start: 138 @15028 has 76 MA's), (Start: 181 @15070 has 32 MA's), (208, 15118), (230, 15157), (237, 15172), (261, 15223), (274, 15253), (283, 15286), (287, 15298), (294, 15316), (325, 15388), (330, 15394), (375, 15490), (381, 15502), (419, 15604), (426, 15619), (446, 15655), (467, 15691), (492, 15739), (504, 15778), (513, 15802), (516, 15814), (589, 15904), (593, 15913), (685, 16159), (701, 16213), (722, 16267), (777, 16381), (786, 16390), (815, 16465), (834, 16516), (837, 16522), (877, 16603), (880, 16618), (898, 16672), (917, 16753), (929, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 205

Candidate Starts for Mindy_24:

(Start: 144 @19524 has 125 MA's), (Start: 205 @19608 has 48 MA's), (Start: 244 @19686 has 1 MA's), (279, 19773), (284, 19788), (300, 19836), (317, 19875), (359, 19962), (372, 19995), (388, 20031), (400, 20061), (402, 20067), (437, 20136), (495, 20166), (498, 20178), (499, 20181), (520, 20238), (589, 20370), (591, 20376), (614, 20442), (616, 20448), (625, 20472), (648, 20520), (662, 20544), (664, 20553), (688, 20628), (752, 20679), (758, 20694), (809, 20856), (817, 20883), (826, 20913), (868, 21018), (897, 21096), (904, 21132), (907, 21141), (916, 21174), (923, 21189),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 150

Candidate Starts for MinecraftSteve_31:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 138

Candidate Starts for Minerva_37:

(Start: 138 @28330 has 76 MA's), (Start: 205 @28420 has 48 MA's), (230, 28468), (242, 28498), (255, 28525), (292, 28627), (301, 28657), (347, 28756), (360, 28792), (362, 28798), (372, 28819), (402, 28891), (405, 28900), (411, 28921), (499, 29029), (500, 29032), (505, 29047), (520, 29086), (543,

29134), (550, 29146), (554, 29152), (572, 29200), (577, 29209), (589, 29230), (597, 29248), (612, 29296), (660, 29398), (680, 29470), (698, 29515), (700, 29527), (710, 29662), (711, 29668), (712, 29692), (739, 29764), (750, 29791), (828, 30040),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 139

Candidate Starts for MinionDave_17:

(Start: 139 @15489 has 218 MA's), (207, 15576), (Start: 233 @15621 has 2 MA's), (242, 15645), (282, 15750), (284, 15756), (289, 15774), (300, 15804), (353, 15909), (375, 15969), (384, 15990), (388, 15999), (398, 16023), (493, 16149), (497, 16164), (499, 16170), (512, 16206), (513, 16209), (516, 16221), (520, 16227), (543, 16275), (550, 16287), (554, 16293), (587, 16353), (592, 16365), (606, 16401), (609, 16413), (645, 16488), (648, 16497), (660, 16515), (662, 16521), (670, 16551), (751, 16656), (752, 16665), (753, 16668), (765, 16704), (792, 16782), (820, 16881), (826, 16902), (843, 16935), (858, 16965), (864, 16995), (867, 17004), (869, 17010), (878, 17025), (879, 17028), (883, 17052), (894, 17082), (899, 17094), (904, 17124), (916, 17166),

Gene: Minispark_26 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for Minispark_26:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (223, 19702), (226, 19705), (274, 19807), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (405, 20101), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (580, 20446), (608, 20509), (614, 20533), (627, 20566), (631, 20572), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (864, 21193), (877, 21232), (879, 21238), (890, 21283),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 144

Candidate Starts for Miniwave_24:

(Start: 144 @19943 has 125 MA's), (Start: 205 @20027 has 48 MA's), (Start: 244 @20105 has 1 MA's), (279, 20192), (284, 20207), (300, 20255), (317, 20294), (359, 20381), (372, 20414), (388, 20450), (400, 20480), (402, 20486), (437, 20555), (495, 20585), (498, 20597), (499, 20600), (520, 20657), (589, 20789), (591, 20795), (614, 20861), (616, 20867), (625, 20891), (648, 20939), (662, 20963), (664, 20972), (688, 21047), (752, 21098), (758, 21113), (809, 21275), (817, 21302), (826, 21332), (868, 21437), (897, 21515), (904, 21551), (907, 21560), (916, 21593), (923, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 139

Candidate Starts for Minnie_17:

(Start: 139 @15349 has 218 MA's), (207, 15436), (Start: 233 @15481 has 2 MA's), (242, 15505), (282, 15610), (284, 15616), (289, 15634), (300, 15664), (353, 15769), (371, 15823), (375, 15829), (384, 15850), (388, 15859), (398, 15883), (493, 16009), (497, 16024), (499, 16030), (512, 16066), (513, 16069), (516, 16081), (520, 16087), (543, 16135), (550, 16147), (554, 16153), (587, 16213), (592, 16225), (606, 16261), (609, 16273), (645, 16348), (648, 16357), (660, 16375), (662, 16381), (670, 16411), (751, 16516), (752, 16525), (753, 16528), (765, 16564), (792, 16642), (820, 16741), (826, 16762), (843, 16795), (858, 16825), (864, 16855), (867, 16864), (869, 16870), (878, 16885), (879, 16888), (883, 16912), (894, 16942), (899, 16954), (904, 16984), (916, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 177

Candidate Starts for MintFen_19:

(Start: 141 @16614 has 4 MA's), (Start: 177 @16650 has 46 MA's), (237, 16752), (273, 16830), (274, 16833), (316, 16929), (338, 16968), (377, 17049), (400, 17103), (405, 17118), (495, 17289), (504, 17319), (617, 17502), (627, 17526), (628, 17529), (655, 17577), (687, 17670), (695, 17682), (705, 17727), (713, 17742), (765, 17874), (766, 17877), (810, 17976), (817, 17994), (837, 18045), (868, 18111), (889, 18174), (894, 18186),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 155

Candidate Starts for Miramae_27:

(69, 19619), (88, 19664), (Start: 130 @19745 has 8 MA's), (Start: 150 @19769 has 625 MA's), (Start: 155 @19775 has 12 MA's), (Start: 199 @19829 has 1 MA's), (237, 19898), (273, 19976), (279, 20000), (283, 20012), (284, 20015), (320, 20090), (330, 20105), (353, 20144), (393, 20237), (401, 20261), (445, 20348), (500, 20462), (562, 20588), (587, 20633), (613, 20702), (622, 20726), (627, 20738), (668, 20825), (696, 20900), (699, 20918), (708, 20951), (714, 20957), (719, 20972), (752, 21050), (753, 21053), (761, 21074), (837, 21299), (877, 21404), (879, 21410), (916, 21545), (925, 21563),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 121

Candidate Starts for Miryou_21:

(Start: 121 @17480 has 44 MA's), (Start: 127 @17486 has 1 MA's), (Start: 147 @17510 has 1 MA's), (Start: 181 @17543 has 32 MA's), (208, 17591), (237, 17645), (261, 17696), (283, 17759), (330, 17867), (381, 17975), (424, 18089), (426, 18092), (449, 18131), (459, 18146), (465, 18158), (467, 18164), (487, 18206), (492, 18212), (504, 18251), (513, 18275), (589, 18377), (610, 18440), (627, 18485), (685, 18620), (719, 18719), (757, 18797), (764, 18821), (771, 18842), (777, 18854), (785, 18860), (815, 18938), (817, 18944), (882, 19097), (912, 19202), (913, 19205), (917, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 144

Candidate Starts for Misfit_24:

(Start: 144 @19833 has 125 MA's), (Start: 205 @19917 has 48 MA's), (Start: 244 @19995 has 1 MA's), (279, 20082), (284, 20097), (300, 20145), (317, 20184), (359, 20271), (372, 20304), (388, 20340), (400, 20370), (402, 20376), (437, 20445), (495, 20475), (498, 20487), (499, 20490), (520, 20547), (589, 20679), (591, 20685), (614, 20751), (616, 20757), (625, 20781), (648, 20829), (662, 20853), (664, 20862), (688, 20937), (752, 20988), (758, 21003), (809, 21165), (817, 21192), (826, 21222), (868, 21327), (897, 21405), (904, 21441), (907, 21450), (916, 21483), (923, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for Misha28_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (293, 14971), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (384, 15178), (388, 15187), (398, 15211), (410, 15247), (411, 15253), (415, 15265), (425, 15286), (427, 15289), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (597, 15562), (606, 15589), (609, 15601), (616, 15622), (645, 15676), (648, 15685), (662, 15709), (670, 15739), (751, 15844), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (826, 16090), (843, 16123), (858, 16153), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (899, 16282), (916, 16354), (917, 16360),

Gene: Miskis_46 Start: 29375, Stop: 31066, Start Num: 160

Candidate Starts for Miskis_46:

(Start: 160 @29375 has 22 MA's), (202, 29435), (216, 29468), (Start: 233 @29498 has 2 MA's), (234, 29501), (282, 29627), (292, 29660), (294, 29669), (354, 29798), (370, 29846), (520, 30059), (523, 30065), (534, 30089), (601, 30218), (606, 30239), (616, 30272), (688, 30470), (789, 30623), (817, 30722), (821, 30734), (824, 30743), (860, 30827), (905, 30974), (915, 31010), (919, 31022),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 150

Candidate Starts for Misomonster_31:

(Start: 150 @20462 has 625 MA's), (Start: 199 @20519 has 1 MA's), (208, 20534), (226, 20567), (237, 20588), (Start: 244 @20603 has 1 MA's), (279, 20690), (283, 20702), (284, 20705), (320, 20780), (330, 20795), (351, 20831), (445, 21038), (500, 21152), (514, 21191), (562, 21278), (613, 21392), (622, 21416), (631, 21434), (668, 21515), (696, 21590), (699, 21608), (708, 21641), (714, 21647), (727, 21686), (752, 21740), (753, 21743), (761, 21764), (780, 21821), (837, 21989), (877, 22094), (879,

22100), (916, 22235),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 115

Candidate Starts for MissDaisy_24:

(Start: 96 @18349 has 3 MA's), (Start: 112 @18379 has 26 MA's), (Start: 115 @18385 has 20 MA's), (Start: 118 @18388 has 149 MA's), (Start: 181 @18442 has 32 MA's), (208, 18490), (230, 18529), (237, 18544), (245, 18562), (261, 18595), (274, 18625), (287, 18670), (294, 18688), (325, 18760), (330, 18766), (347, 18796), (375, 18862), (381, 18874), (433, 19009), (465, 19057), (467, 19063), (476, 19081), (492, 19111), (504, 19150), (589, 19276), (609, 19336), (610, 19339), (616, 19357), (623, 19372), (685, 19540), (701, 19594), (719, 19639), (744, 19684), (753, 19708), (764, 19741), (777, 19774), (786, 19783), (810, 19846), (815, 19858), (834, 19909), (837, 19915), (882, 20017), (917, 20143), (929, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 177

Candidate Starts for MissRona_21:

(Start: 141 @16926 has 4 MA's), (Start: 177 @16962 has 46 MA's), (Start: 185 @16971 has 2 MA's), (237, 17067), (273, 17145), (299, 17217), (316, 17244), (338, 17283), (377, 17364), (400, 17418), (495, 17604), (504, 17634), (580, 17733), (617, 17817), (627, 17841), (655, 17892), (687, 17985), (695, 17997), (705, 18042), (713, 18057), (765, 18189), (766, 18192), (810, 18291), (817, 18309), (837, 18360), (866, 18420), (868, 18426), (894, 18501),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 150

Candidate Starts for MissWhite_28:

(102, 19212), (Start: 130 @19254 has 8 MA's), (Start: 150 @19278 has 625 MA's), (226, 19377), (245, 19416), (283, 19512), (284, 19515), (319, 19587), (320, 19590), (330, 19605), (353, 19644), (355, 19650), (401, 19761), (403, 19767), (445, 19848), (476, 19905), (487, 19929), (491, 19932), (541, 20058), (563, 20094), (613, 20202), (631, 20244), (664, 20310), (668, 20325), (742, 20523), (753, 20556), (757, 20565), (764, 20589), (769, 20604), (778, 20628), (801, 20703), (805, 20718), (877, 20907), (879, 20913), (890, 20958),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for MisterCuddles_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (371, 15248), (375, 15254), (379, 15263), (384, 15275), (388, 15284), (398, 15308), (410, 15344), (411, 15350), (415, 15362), (425, 15383), (427, 15386), (441, 15395), (467, 15410), (474, 15416), (493, 15434), (497, 15449), (499, 15455), (505, 15473), (506, 15476), (512, 15491), (516, 15506), (520, 15512), (534, 15542), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (616, 15719), (645, 15773), (648, 15782), (662, 15806), (670, 15836), (751, 15941), (753, 15953), (765, 15989), (779, 16028), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (882, 16334), (883, 16337), (899, 16379), (904, 16409), (916, 16451), (917, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 118

Candidate Starts for Mitti_24:

(Start: 96 @18507 has 3 MA's), (Start: 112 @18537 has 26 MA's), (Start: 115 @18543 has 20 MA's), (Start: 118 @18546 has 149 MA's), (Start: 181 @18603 has 32 MA's), (208, 18651), (230, 18690), (237, 18705), (245, 18723), (261, 18756), (274, 18786), (287, 18831), (294, 18849), (325, 18921), (330, 18927), (347, 18957), (375, 19023), (381, 19035), (433, 19170), (465, 19218), (467, 19224), (476, 19242), (492, 19272), (504, 19311), (589, 19437), (609, 19497), (610, 19500), (616, 19518), (623, 19533), (685, 19701), (701, 19755), (719, 19800), (744, 19845), (753, 19869), (764, 19902), (777, 19935), (810, 20007), (815, 20019), (834, 20070), (837, 20076), (882, 20178), (917, 20304), (929, 20325),

Gene: Mkhusei_28 Start: 21152, Stop: 22954, Start Num: 152

Candidate Starts for Mkhusei_28:

(Start: 152 @21152 has 219 MA's), (Start: 173 @21173 has 4 MA's), (Start: 199 @21215 has 1 MA's), (223, 21260), (320, 21476), (347, 21521), (353, 21530), (367, 21569), (391, 21620), (393, 21623), (411, 21680), (491, 21818), (514, 21887), (613, 22088), (614, 22091), (622, 22112), (667, 22208), (668, 22211), (670, 22217), (696, 22286), (699, 22304), (701, 22313), (714, 22343), (753, 22439), (764, 22472), (769, 22487), (780, 22517), (815, 22628), (837, 22685), (879, 22796),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Mocha12_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 161

Candidate Starts for ModicumRichard_19:

(Start: 148 @16533 has 18 MA's), (Start: 161 @16548 has 5 MA's), (Start: 167 @16554 has 1 MA's), (188, 16584), (Start: 193 @16593 has 3 MA's), (305, 16827), (320, 16860), (348, 16908), (381, 16983), (400, 17028), (445, 17118), (458, 17133), (481, 17187), (487, 17196), (500, 17229), (512, 17262), (514, 17268), (650, 17502), (660, 17514), (667, 17541), (676, 17574), (692, 17613), (696, 17622), (719, 17694), (746, 17709), (753, 17733), (769, 17781), (809, 17868), (817, 17889), (845, 17955), (868, 18021), (882, 18069), (908, 18159), (925, 18207),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for Modragons_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 144

Candidate Starts for Moldemort_25:

(Start: 144 @19488 has 125 MA's), (Start: 205 @19572 has 48 MA's), (Start: 244 @19650 has 1 MA's), (279, 19737), (284, 19752), (300, 19800), (317, 19839), (359, 19926), (372, 19959), (388, 19995), (400, 20025), (402, 20031), (437, 20100), (495, 20130), (498, 20142), (499, 20145), (520, 20202), (589, 20334), (591, 20340), (614, 20406), (616, 20412), (625, 20436), (648, 20484), (662, 20508), (664, 20517), (688, 20592), (752, 20643), (758, 20658), (809, 20820), (817, 20847), (826, 20877), (868, 20982), (897, 21060), (904, 21096), (907, 21105), (916, 21138), (923, 21153),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 152

Candidate Starts for Molly_28:

(Start: 152 @20868 has 219 MA's), (Start: 173 @20889 has 4 MA's), (Start: 199 @20931 has 1 MA's), (223, 20976), (320, 21192), (347, 21237), (353, 21246), (367, 21285), (391, 21336), (393, 21339), (491, 21534), (514, 21603), (613, 21804), (614, 21807), (622, 21828), (667, 21924), (668, 21927),

(670, 21933), (696, 22002), (699, 22020), (701, 22029), (714, 22059), (753, 22155), (764, 22188), (769, 22203), (815, 22344), (837, 22401), (879, 22512),

Gene: MollyToe_24 Start: 20001, Stop: 21596, Start Num: 205

Candidate Starts for MollyToe_24:

(Start: 144 @19917 has 125 MA's), (Start: 205 @20001 has 48 MA's), (Start: 244 @20079 has 1 MA's), (279, 20166), (284, 20181), (300, 20229), (317, 20268), (359, 20355), (372, 20388), (388, 20424), (400, 20454), (402, 20460), (437, 20529), (495, 20559), (498, 20571), (499, 20574), (520, 20631), (589, 20763), (591, 20769), (614, 20835), (616, 20841), (625, 20865), (648, 20913), (662, 20937), (664, 20946), (688, 21021), (752, 21072), (758, 21087), (809, 21249), (817, 21276), (826, 21306), (868, 21411), (897, 21489), (904, 21525), (907, 21534), (916, 21567), (923, 21582),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 159

Candidate Starts for Mollymur_31:

(Start: 159 @28168 has 1 MA's), (Start: 163 @28171 has 16 MA's), (Start: 179 @28189 has 1 MA's), (202, 28228), (322, 28531), (354, 28588), (370, 28636), (405, 28720), (451, 28858), (454, 28864), (471, 28930), (520, 29062), (523, 29068), (621, 29287), (622, 29290), (670, 29410), (688, 29470), (752, 29521), (758, 29536), (817, 29722), (821, 29734), (846, 29791), (926, 30034), (930, 30058),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 152

Candidate Starts for Monet_29:

(Start: 152 @22353 has 219 MA's), (Start: 173 @22374 has 4 MA's), (Start: 199 @22416 has 1 MA's), (223, 22461), (320, 22677), (347, 22722), (353, 22731), (367, 22770), (391, 22821), (393, 22824), (430, 22917), (491, 23019), (514, 23088), (613, 23289), (614, 23292), (622, 23313), (667, 23409), (668, 23412), (670, 23418), (696, 23487), (699, 23505), (701, 23514), (714, 23544), (753, 23640), (764, 23673), (769, 23688), (815, 23829), (837, 23886), (879, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for MoneyMay_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Montavir_28 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for Montavir_28:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 146

Candidate Starts for MooMoo_16:

(120, 14511), (Start: 122 @14514 has 1 MA's), (Start: 146 @14544 has 7 MA's), (218, 14646), (252, 14718), (264, 14742), (388, 15048), (415, 15126), (493, 15198), (497, 15213), (499, 15219), (500, 15222), (513, 15258), (520, 15276), (543, 15324), (550, 15336), (614, 15477), (645, 15537), (648, 15546), (662, 15570), (668, 15594), (669, 15597), (670, 15600), (677, 15633), (761, 15738), (800, 15861), (803, 15870), (817, 15921), (820, 15930), (846, 15990), (860, 16032), (862, 16044), (877, 16101), (878, 16104), (895, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 139

Candidate Starts for Moonbeam_17:

(Start: 139 @15298 has 218 MA's), (207, 15385), (Start: 233 @15430 has 2 MA's), (242, 15454), (282, 15559), (284, 15565), (289, 15583), (300, 15613), (353, 15718), (375, 15778), (384, 15799), (388, 15808), (398, 15832), (493, 15958), (497, 15973), (499, 15979), (512, 16015), (513, 16018), (516, 16030), (520, 16036), (543, 16084), (550, 16096), (554, 16102), (587, 16162), (592, 16174), (606, 16210), (609, 16222), (645, 16297), (648, 16306), (660, 16324), (662, 16330), (670, 16360), (751, 16465), (752, 16474), (753, 16477), (765, 16513), (792, 16591), (820, 16690), (826, 16711), (843, 16744), (858, 16774), (864, 16804), (867, 16813), (869, 16819), (878, 16834), (879, 16837), (883, 16861), (894, 16891), (899, 16903), (904, 16933), (916, 16975),

Gene: Moonflower_19 Start: 17249, Stop: 18943, Start Num: 157

Candidate Starts for Moonflower_19:

(120, 17207), (Start: 129 @17219 has 1 MA's), (Start: 157 @17249 has 7 MA's), (226, 17351), (249, 17402), (275, 17459), (289, 17510), (325, 17588), (330, 17594), (466, 17867), (492, 17927), (503, 17963), (518, 18005), (565, 18047), (596, 18101), (699, 18362), (736, 18437), (757, 18479), (771, 18524), (815, 18620), (816, 18623), (821, 18638), (881, 18797), (882, 18803), (908, 18890), (923, 18935),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 105

Candidate Starts for MoontowerMania_34:

(97, 30569), (Start: 105 @30587 has 84 MA's), (Start: 129 @30623 has 1 MA's), (226, 30761), (272, 30857), (275, 30866), (296, 30935), (320, 30986), (347, 31031), (355, 31046), (391, 31127), (407, 31172), (410, 31181), (466, 31271), (480, 31301), (487, 31316), (495, 31340), (504, 31370), (585, 31475), (631, 31592), (641, 31610), (647, 31625), (664, 31655), (667, 31667), (668, 31670), (676, 31697), (815, 32021), (816, 32024), (834, 32072), (852, 32099), (860, 32126), (877, 32180), (883, 32207), (919, 32336),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 152

Candidate Starts for Moose_26:

(Start: 152 @21094 has 219 MA's), (Start: 173 @21115 has 4 MA's), (Start: 199 @21157 has 1 MA's), (223, 21202), (320, 21418), (347, 21463), (353, 21472), (367, 21511), (391, 21562), (393, 21565), (491, 21760), (514, 21829), (613, 22030), (614, 22033), (622, 22054), (667, 22150), (668, 22153), (670, 22159), (696, 22228), (699, 22246), (701, 22255), (714, 22285), (753, 22381), (764, 22414), (769, 22429), (780, 22459), (815, 22570), (837, 22627), (879, 22738),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 165

Candidate Starts for Moosehead_17:

(79, 14528), (87, 14543), (Start: 165 @14663 has 39 MA's), (194, 14705), (239, 14780), (271, 14852), (272, 14855), (299, 14930), (355, 15026), (363, 15053), (368, 15065), (403, 15143), (404, 15146), (419, 15191), (495, 15332), (524, 15413), (568, 15473), (575, 15479), (603, 15521), (631, 15602), (635, 15614), (648, 15638), (659, 15656), (663, 15671), (668, 15695), (700, 15791), (701, 15794), (810, 16025), (816, 16040), (867, 16175), (868, 16178), (882, 16226), (891, 16256), (902, 16292),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 161

Candidate Starts for Morgana_19:

(74, 16391), (Start: 129 @16502 has 1 MA's), (Start: 148 @16526 has 18 MA's), (Start: 161 @16541 has 5 MA's), (Start: 167 @16547 has 1 MA's), (188, 16577), (Start: 193 @16586 has 3 MA's), (305, 16820), (320, 16853), (348, 16901), (381, 16976), (391, 16997), (400, 17021), (403, 17030), (411, 17057), (458, 17126), (481, 17180), (487, 17189), (500, 17222), (512, 17255), (514, 17261), (660, 17507), (667, 17534), (676, 17567), (692, 17606), (696, 17615), (719, 17687), (746, 17702), (753, 17726), (769, 17774), (809, 17861), (817, 17882), (845, 17948), (868, 18014), (882, 18062), (908,

18152),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 121

Candidate Starts for Mori_56:

(Start: 115 @33507 has 20 MA's), (Start: 121 @33516 has 44 MA's), (191, 33606), (248, 33723), (266, 33759), (275, 33780), (282, 33807), (284, 33813), (294, 33843), (302, 33867), (327, 33918), (388, 34056), (392, 34062), (409, 34113), (410, 34116), (415, 34134), (493, 34185), (499, 34206), (500, 34209), (516, 34257), (520, 34263), (543, 34311), (544, 34317), (550, 34323), (573, 34383), (587, 34407), (589, 34410), (606, 34455), (610, 34470), (613, 34479), (616, 34488), (634, 34533), (648, 34551), (664, 34584), (753, 34722), (761, 34743), (782, 34809), (793, 34839), (807, 34893), (820, 34935), (826, 34956), (836, 34977), (843, 34989), (855, 35010), (869, 35064), (897, 35142), (904, 35178), (910, 35199), (917, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 119

Candidate Starts for Morkie_18:

(Start: 119 @15153 has 25 MA's), (Start: 128 @15165 has 8 MA's), (Start: 162 @15207 has 92 MA's), (226, 15309), (266, 15381), (305, 15462), (332, 15513), (347, 15546), (363, 15588), (367, 15594), (387, 15642), (407, 15693), (419, 15729), (456, 15771), (466, 15792), (468, 15798), (480, 15822), (500, 15873), (501, 15876), (512, 15906), (676, 16218), (699, 16284), (707, 16314), (759, 16407), (765, 16428), (769, 16440), (771, 16446), (774, 16452), (777, 16458), (804, 16512), (815, 16542), (844, 16611), (877, 16698), (879, 16704), (884, 16728), (893, 16755),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 150

Candidate Starts for Morpher26_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19886 has 1 MA's), (237, 19955), (273, 20033), (279, 20057), (283, 20069), (284, 20072), (300, 20108), (320, 20147), (353, 20201), (393, 20294), (401, 20318), (445, 20405), (500, 20519), (514, 20558), (562, 20645), (587, 20690), (613, 20759), (622, 20783), (627, 20795), (668, 20882), (696, 20957), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (719, 21029), (734, 21062), (752, 21107), (753, 21110), (761, 21131), (837, 21356), (868, 21434), (877, 21461), (879, 21467), (916, 21602),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 175

Candidate Starts for Morrissey_19:

(Start: 163 @16032 has 16 MA's), (Start: 175 @16044 has 10 MA's), (195, 16077), (226, 16131), (300, 16308), (389, 16482), (445, 16599), (468, 16638), (491, 16680), (515, 16752), (532, 16785), (587, 16839), (608, 16878), (613, 16899), (668, 17016), (680, 17058), (687, 17076), (695, 17088), (701, 17118), (757, 17202), (762, 17217), (764, 17226), (792, 17274), (879, 17484), (908, 17592),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 150

Candidate Starts for Morrow_27:

(Start: 130 @19806 has 8 MA's), (Start: 150 @19830 has 625 MA's), (Start: 199 @19887 has 1 MA's), (230, 19941), (237, 19956), (245, 19974), (279, 20058), (283, 20070), (284, 20073), (320, 20148), (330, 20163), (353, 20202), (401, 20319), (445, 20406), (487, 20487), (505, 20535), (514, 20559), (562, 20646), (587, 20691), (614, 20763), (622, 20784), (631, 20802), (668, 20883), (699, 20976), (701, 20985), (708, 21009), (714, 21015), (722, 21039), (753, 21093), (761, 21114), (778, 21165), (787, 21189), (802, 21243), (837, 21339), (877, 21444), (880, 21459), (911, 21567), (916, 21585),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 119

Candidate Starts for MortyNRick_19:

(Start: 119 @16293 has 25 MA's), (Start: 128 @16305 has 8 MA's), (Start: 129 @16308 has 1 MA's), (204, 16410), (223, 16446), (255, 16512), (332, 16656), (337, 16665), (347, 16683), (363, 16725), (367, 16731), (378, 16755), (387, 16779), (407, 16830), (409, 16836), (419, 16866), (456, 16908), (466, 16929), (468, 16935), (480, 16959), (500, 17010), (501, 17013), (512, 17043), (609, 17193),

(622, 17229), (676, 17355), (699, 17421), (701, 17430), (704, 17442), (707, 17451), (759, 17544), (765, 17565), (769, 17577), (771, 17583), (774, 17589), (777, 17595), (804, 17649), (815, 17679), (844, 17748), (877, 17835), (879, 17841), (893, 17892), (916, 17979), (925, 17997),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 205

Candidate Starts for Mosby_23:

(Start: 144 @19253 has 125 MA's), (Start: 205 @19337 has 48 MA's), (Start: 244 @19415 has 1 MA's), (279, 19502), (284, 19517), (300, 19565), (317, 19604), (359, 19691), (372, 19724), (388, 19760), (400, 19790), (402, 19796), (437, 19865), (495, 19895), (498, 19907), (499, 19910), (520, 19967), (589, 20099), (591, 20105), (614, 20171), (616, 20177), (625, 20201), (648, 20249), (662, 20273), (664, 20282), (688, 20357), (752, 20408), (758, 20423), (809, 20585), (817, 20612), (826, 20642), (868, 20747), (897, 20825), (904, 20861), (907, 20870), (916, 20903), (923, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 139

Candidate Starts for Mova_17:

(Start: 139 @14657 has 218 MA's), (207, 14744), (Start: 233 @14789 has 2 MA's), (242, 14813), (282, 14918), (284, 14924), (289, 14942), (300, 14972), (353, 15077), (375, 15137), (384, 15158), (388, 15167), (398, 15191), (425, 15266), (493, 15317), (497, 15332), (499, 15338), (512, 15374), (513, 15377), (516, 15389), (520, 15395), (543, 15443), (550, 15455), (554, 15461), (587, 15521), (592, 15533), (606, 15569), (609, 15581), (645, 15656), (648, 15665), (660, 15683), (662, 15689), (670, 15719), (751, 15824), (752, 15833), (753, 15836), (765, 15872), (792, 15950), (820, 16049), (826, 16070), (843, 16103), (858, 16133), (864, 16163), (867, 16172), (869, 16178), (878, 16193), (879, 16196), (883, 16220), (894, 16250), (899, 16262), (904, 16292), (916, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Mowgli_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 139

Candidate Starts for Mozy_17:

(Start: 139 @14705 has 218 MA's), (218, 14813), (Start: 233 @14837 has 2 MA's), (242, 14861), (248, 14882), (266, 14918), (274, 14936), (275, 14939), (284, 14972), (289, 14990), (300, 15020), (353, 15125), (375, 15185), (384, 15206), (388, 15215), (398, 15239), (411, 15281), (425, 15314), (474, 15347), (493, 15365), (497, 15380), (499, 15386), (512, 15422), (513, 15425), (516, 15437), (520, 15443), (534, 15473), (543, 15491), (550, 15503), (554, 15509), (587, 15569), (606, 15617), (609, 15629), (645, 15704), (648, 15713), (662, 15737), (670, 15767), (751, 15872), (753, 15884), (765, 15920), (779, 15959), (792, 15998), (826, 16118), (843, 16151), (858, 16181), (864, 16211), (866, 16217), (867, 16220), (869, 16226), (878, 16241), (879, 16244), (882, 16265), (883, 16268), (899, 16310), (904, 16340), (916, 16382),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 152

Candidate Starts for MrGordo_27:

(Start: 152 @20817 has 219 MA's), (Start: 173 @20838 has 4 MA's), (Start: 199 @20880 has 1 MA's), (223, 20925), (320, 21141), (347, 21186), (353, 21195), (367, 21234), (391, 21285), (393, 21288), (491, 21483), (514, 21552), (613, 21753), (614, 21756), (622, 21777), (667, 21873), (668, 21876), (670, 21882), (699, 21969), (714, 22008), (753, 22104), (764, 22137), (769, 22152), (815, 22293), (837, 22350), (879, 22461),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 152

Candidate Starts for Mryolo_26:

(Start: 152 @20854 has 219 MA's), (Start: 173 @20875 has 4 MA's), (Start: 199 @20917 has 1 MA's), (223, 20962), (320, 21178), (347, 21223), (353, 21232), (367, 21271), (391, 21322), (393, 21325), (491, 21520), (514, 21589), (613, 21790), (614, 21793), (622, 21814), (667, 21910), (668, 21913), (670, 21919), (696, 21988), (699, 22006), (701, 22015), (714, 22045), (753, 22141), (764, 22174), (769, 22189), (815, 22330), (837, 22387), (879, 22498),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 139

Candidate Starts for Ms6_16:

(Start: 139 @14816 has 218 MA's), (207, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (282, 15077), (284, 15083), (289, 15101), (300, 15131), (353, 15236), (375, 15296), (384, 15317), (388, 15326), (398, 15350), (493, 15476), (497, 15491), (499, 15497), (512, 15533), (513, 15536), (516, 15548), (520, 15554), (543, 15602), (550, 15614), (554, 15620), (587, 15680), (592, 15692), (606, 15728), (609, 15740), (645, 15815), (648, 15824), (660, 15842), (662, 15848), (670, 15878), (751, 15983), (752, 15992), (753, 15995), (765, 16031), (792, 16109), (820, 16208), (826, 16229), (843, 16262), (858, 16292), (864, 16322), (867, 16331), (869, 16337), (878, 16352), (879, 16355), (883, 16379), (894, 16409), (899, 16421), (904, 16451), (916, 16493),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for MuchMore_31:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 94

Candidate Starts for Muddy_21:

(81, 16177), (Start: 94 @16213 has 4 MA's), (145, 16291), (192, 16351), (230, 16417), (254, 16468), (261, 16483), (263, 16486), (395, 16792), (413, 16849), (416, 16858), (433, 16897), (435, 16900), (458, 16963), (467, 16984), (496, 17047), (499, 17056), (504, 17071), (513, 17095), (593, 17206), (606, 17245), (612, 17266), (626, 17302), (627, 17305), (651, 17347), (660, 17362), (662, 17368), (794, 17677), (796, 17686), (798, 17692), (801, 17704), (810, 17734), (819, 17758), (876, 17878), (891, 17935), (915, 18022), (917, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 115

Candidate Starts for Mufasa_19:

(Start: 96 @14997 has 3 MA's), (Start: 112 @15027 has 26 MA's), (Start: 115 @15033 has 20 MA's), (Start: 138 @15048 has 76 MA's), (Start: 181 @15090 has 32 MA's), (208, 15138), (230, 15177), (237, 15192), (261, 15243), (274, 15273), (283, 15306), (287, 15318), (294, 15336), (325, 15408), (330, 15414), (375, 15510), (381, 15522), (416, 15618), (467, 15711), (476, 15729), (487, 15753), (492, 15759), (504, 15798), (513, 15822), (516, 15834), (589, 15924), (593, 15933), (610, 15987), (622, 16017), (667, 16128), (685, 16179), (722, 16287), (777, 16401), (786, 16410), (815, 16485), (834, 16536), (837, 16542), (880, 16638), (898, 16692), (917, 16773), (929, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 174

Candidate Starts for Mulch_22:

(Start: 106 @17269 has 2 MA's), (Start: 174 @17344 has 18 MA's), (230, 17437), (237, 17452), (241, 17458), (274, 17533), (295, 17605), (348, 17716), (367, 17761), (375, 17779), (381, 17791), (465, 17962), (468, 17971), (470, 17977), (487, 18010), (510, 18073), (535, 18124), (568, 18148), (587, 18172), (613, 18247), (628, 18286), (681, 18418), (722, 18532), (764, 18619), (814, 18733), (817,

18742), (864, 18847), (895, 18934), (929, 19042),

Gene: MulchExplorer_19 Start: 15928, Stop: 17637, Start Num: 139

Candidate Starts for MulchExplorer_19:

(Start: 139 @15928 has 218 MA's), (207, 16015), (Start: 233 @16060 has 2 MA's), (242, 16084), (282, 16189), (284, 16195), (289, 16213), (300, 16243), (353, 16348), (355, 16354), (375, 16408), (379, 16417), (384, 16429), (388, 16438), (398, 16462), (441, 16549), (467, 16564), (493, 16588), (497, 16603), (499, 16609), (512, 16645), (513, 16648), (516, 16660), (520, 16666), (543, 16714), (550, 16726), (554, 16732), (587, 16792), (592, 16804), (606, 16840), (609, 16852), (616, 16873), (645, 16927), (648, 16936), (660, 16954), (662, 16960), (670, 16990), (751, 17095), (752, 17104), (753, 17107), (765, 17143), (789, 17209), (792, 17221), (820, 17320), (826, 17341), (843, 17374), (858, 17404), (864, 17434), (867, 17443), (869, 17449), (878, 17464), (879, 17467), (883, 17491), (894, 17521), (899, 17533), (904, 17563), (916, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 139

Candidate Starts for MulchSalad_16:

(Start: 139 @14726 has 218 MA's), (207, 14813), (218, 14834), (Start: 233 @14858 has 2 MA's), (242, 14882), (282, 14987), (284, 14993), (289, 15011), (293, 15020), (300, 15041), (353, 15146), (371, 15200), (375, 15206), (384, 15227), (388, 15236), (398, 15260), (493, 15386), (497, 15401), (499, 15407), (506, 15428), (512, 15443), (513, 15446), (516, 15458), (520, 15464), (543, 15512), (550, 15524), (554, 15530), (587, 15590), (592, 15602), (606, 15638), (609, 15650), (645, 15725), (648, 15734), (660, 15752), (662, 15758), (670, 15788), (751, 15893), (752, 15902), (753, 15905), (765, 15941), (792, 16019), (820, 16118), (826, 16139), (843, 16172), (858, 16202), (864, 16232), (867, 16241), (869, 16247), (878, 16262), (879, 16265), (882, 16286), (883, 16289), (899, 16331), (916, 16403),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 150

Candidate Starts for Mulciber_28:

(102, 20683), (Start: 130 @20725 has 8 MA's), (Start: 150 @20749 has 625 MA's), (Start: 193 @20791 has 3 MA's), (245, 20887), (253, 20902), (283, 20983), (284, 20986), (320, 21061), (330, 21076), (353, 21115), (355, 21121), (375, 21172), (401, 21232), (403, 21238), (445, 21319), (491, 21403), (541, 21529), (552, 21547), (568, 21574), (631, 21715), (664, 21781), (667, 21793), (668, 21796), (734, 21985), (747, 22012), (751, 22021), (757, 22042), (758, 22045), (764, 22066), (769, 22081), (778, 22105), (801, 22180), (805, 22195), (837, 22279), (877, 22384), (879, 22390), (894, 22444), (925, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 152

Candidate Starts for Mule_27:

(Start: 152 @21163 has 219 MA's), (Start: 173 @21184 has 4 MA's), (Start: 199 @21226 has 1 MA's), (223, 21271), (320, 21487), (347, 21532), (353, 21541), (367, 21580), (391, 21631), (393, 21634), (491, 21829), (514, 21898), (613, 22099), (614, 22102), (622, 22123), (667, 22219), (668, 22222), (670, 22228), (696, 22297), (699, 22315), (701, 22324), (714, 22354), (753, 22450), (764, 22483), (769, 22498), (815, 22639), (837, 22696), (879, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 150

Candidate Starts for Munch_28:

(102, 20689), (Start: 130 @20731 has 8 MA's), (Start: 150 @20755 has 625 MA's), (Start: 193 @20797 has 3 MA's), (245, 20893), (253, 20908), (283, 20989), (284, 20992), (320, 21067), (330, 21082), (353, 21121), (355, 21127), (375, 21178), (401, 21238), (403, 21244), (445, 21325), (491, 21409), (541, 21535), (552, 21553), (568, 21580), (631, 21721), (664, 21787), (667, 21799), (668, 21802), (734, 21991), (747, 22018), (751, 22027), (757, 22048), (758, 22051), (764, 22072), (769, 22087), (778, 22111), (801, 22186), (805, 22201), (837, 22285), (877, 22390), (879, 22396), (894, 22450), (925, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 150

Candidate Starts for Mundrea_27:

(Start: 130 @19767 has 8 MA's), (Start: 150 @19791 has 625 MA's), (Start: 155 @19797 has 12 MA's), (Start: 199 @19851 has 1 MA's), (237, 19920), (273, 19998), (279, 20022), (284, 20037), (320, 20112), (330, 20127), (353, 20166), (393, 20259), (401, 20283), (445, 20370), (500, 20484), (514, 20523), (562, 20610), (587, 20655), (613, 20724), (622, 20748), (627, 20760), (668, 20847), (696, 20922), (699, 20940), (701, 20949), (708, 20973), (714, 20979), (719, 20994), (734, 21027), (752, 21072), (753, 21075), (761, 21096), (837, 21321), (877, 21426), (879, 21432), (907, 21534), (916, 21567),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 150

Candidate Starts for MunkgeeRoachy_18:

(Start: 140 @15777 has 9 MA's), (Start: 150 @15780 has 625 MA's), (274, 15990), (310, 16089), (320, 16113), (351, 16164), (387, 16251), (400, 16281), (405, 16296), (409, 16308), (458, 16386), (462, 16398), (476, 16425), (490, 16458), (500, 16491), (504, 16503), (520, 16545), (606, 16668), (633, 16740), (668, 16818), (673, 16833), (678, 16851), (699, 16908), (753, 17001), (765, 17037), (769, 17049), (771, 17055), (777, 17067), (786, 17076), (814, 17148), (815, 17151), (817, 17157), (821, 17169), (852, 17229), (864, 17274), (867, 17283), (879, 17316), (899, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 115

Candidate Starts for Murai_57:

(Start: 115 @33688 has 20 MA's), (Start: 121 @33697 has 44 MA's), (191, 33787), (248, 33904), (266, 33940), (275, 33961), (282, 33988), (284, 33994), (294, 34024), (302, 34048), (327, 34099), (388, 34237), (392, 34243), (409, 34294), (410, 34297), (415, 34315), (493, 34366), (499, 34387), (500, 34390), (516, 34438), (520, 34444), (543, 34492), (544, 34498), (550, 34504), (573, 34564), (587, 34588), (589, 34591), (606, 34636), (610, 34651), (613, 34660), (616, 34669), (634, 34714), (648, 34732), (664, 34765), (753, 34903), (761, 34924), (782, 34990), (793, 35020), (807, 35074), (820, 35116), (826, 35137), (836, 35158), (843, 35170), (855, 35191), (869, 35245), (897, 35323), (904, 35359), (910, 35380), (917, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 205

Candidate Starts for Murica_23:

(Start: 144 @19730 has 125 MA's), (Start: 205 @19814 has 48 MA's), (Start: 244 @19892 has 1 MA's), (279, 19979), (284, 19994), (300, 20042), (317, 20081), (359, 20168), (372, 20201), (388, 20237), (400, 20267), (402, 20273), (437, 20342), (495, 20372), (498, 20384), (499, 20387), (520, 20444), (589, 20576), (591, 20582), (614, 20648), (616, 20654), (625, 20678), (648, 20726), (662, 20750), (664, 20759), (688, 20834), (752, 20885), (758, 20900), (809, 21062), (817, 21089), (826, 21119), (868, 21224), (897, 21302), (904, 21338), (907, 21347), (916, 21380), (923, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 177

Candidate Starts for Murp_19:

(Start: 141 @16682 has 4 MA's), (Start: 177 @16718 has 46 MA's), (237, 16820), (273, 16898), (316, 16997), (338, 17036), (377, 17117), (400, 17171), (405, 17186), (415, 17219), (447, 17267), (454, 17270), (495, 17357), (504, 17387), (617, 17570), (627, 17594), (668, 17678), (687, 17738), (695, 17750), (713, 17810), (766, 17945), (810, 18044), (817, 18062), (837, 18113), (866, 18173), (868, 18179), (889, 18242), (894, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 205

Candidate Starts for Murphy_25:

(Start: 144 @19725 has 125 MA's), (Start: 205 @19809 has 48 MA's), (Start: 244 @19887 has 1 MA's), (279, 19974), (284, 19989), (300, 20037), (317, 20076), (359, 20163), (372, 20196), (388, 20232), (400, 20262), (402, 20268), (437, 20337), (495, 20367), (498, 20379), (499, 20382), (520,

20439), (589, 20571), (591, 20577), (614, 20643), (616, 20649), (625, 20673), (648, 20721), (662, 20745), (664, 20754), (688, 20829), (752, 20880), (758, 20895), (809, 21057), (817, 21084), (826, 21114), (868, 21219), (897, 21297), (904, 21333), (907, 21342), (916, 21375), (923, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 118

Candidate Starts for Murucutumbu_23:

(Start: 118 @17106 has 149 MA's), (Start: 144 @17136 has 125 MA's), (245, 17295), (261, 17328), (274, 17358), (283, 17391), (287, 17403), (325, 17493), (347, 17529), (351, 17535), (381, 17607), (385, 17616), (401, 17655), (415, 17700), (424, 17721), (426, 17724), (467, 17796), (487, 17838), (492, 17844), (500, 17871), (513, 17907), (589, 18009), (598, 18027), (615, 18087), (628, 18117), (643, 18144), (685, 18249), (716, 18339), (753, 18408), (765, 18444), (777, 18474), (815, 18558), (834, 18609), (880, 18708), (897, 18759), (917, 18843), (919, 18846), (929, 18864),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 152

Candidate Starts for Museum_29:

(Start: 152 @21173 has 219 MA's), (Start: 173 @21194 has 4 MA's), (Start: 199 @21236 has 1 MA's), (223, 21281), (320, 21497), (347, 21542), (353, 21551), (367, 21590), (391, 21641), (393, 21644), (430, 21737), (491, 21839), (514, 21908), (613, 22109), (614, 22112), (622, 22133), (667, 22229), (668, 22232), (670, 22238), (696, 22307), (699, 22325), (701, 22334), (714, 22364), (753, 22460), (764, 22493), (769, 22508), (815, 22649), (837, 22706), (879, 22817),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 139

Candidate Starts for Mutaforma13_16:

(Start: 139 @14853 has 218 MA's), (207, 14940), (Start: 233 @14985 has 2 MA's), (242, 15009), (282, 15114), (284, 15120), (289, 15138), (300, 15168), (353, 15273), (375, 15333), (384, 15354), (388, 15363), (396, 15381), (398, 15387), (425, 15462), (427, 15465), (493, 15513), (497, 15528), (499, 15534), (512, 15570), (513, 15573), (516, 15585), (520, 15591), (543, 15639), (550, 15651), (554, 15657), (587, 15717), (592, 15729), (606, 15765), (609, 15777), (645, 15852), (648, 15861), (660, 15879), (662, 15885), (670, 15915), (751, 16020), (752, 16029), (753, 16032), (765, 16068), (792, 16146), (820, 16245), (826, 16266), (843, 16299), (858, 16329), (864, 16359), (867, 16368), (869, 16374), (878, 16389), (879, 16392), (883, 16416), (894, 16446), (899, 16458), (904, 16488), (916, 16530),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 105

Candidate Starts for Mutzi_33:

(86, 26248), (97, 26278), (Start: 105 @26290 has 84 MA's), (Start: 129 @26326 has 1 MA's), (Start: 155 @26359 has 12 MA's), (274, 26569), (275, 26572), (283, 26602), (310, 26668), (320, 26692), (326, 26701), (345, 26734), (394, 26839), (410, 26887), (415, 26905), (430, 26926), (466, 26977), (470, 26989), (480, 27007), (486, 27019), (490, 27031), (495, 27046), (504, 27076), (505, 27079), (513, 27100), (581, 27172), (603, 27220), (617, 27268), (622, 27280), (647, 27331), (665, 27364), (677, 27406), (701, 27478), (740, 27544), (744, 27556), (799, 27676), (815, 27727), (816, 27730), (834, 27778), (852, 27805), (853, 27808), (860, 27832), (877, 27886), (908, 28003), (914, 28024), (925, 28051),

Gene: Mwanjiwa_16 Start: 14789, Stop: 16498, Start Num: 139

Candidate Starts for Mwanjiwa_16:

(Start: 139 @14789 has 218 MA's), (207, 14876), (242, 14945), (282, 15050), (284, 15056), (289, 15074), (300, 15104), (353, 15209), (375, 15269), (388, 15299), (398, 15323), (411, 15365), (425, 15398), (441, 15410), (493, 15449), (497, 15464), (499, 15470), (506, 15491), (512, 15506), (513, 15509), (516, 15521), (520, 15527), (543, 15575), (550, 15587), (554, 15593), (587, 15653), (592, 15665), (606, 15701), (609, 15713), (616, 15734), (645, 15788), (648, 15797), (660, 15815), (662, 15821), (670, 15851), (751, 15956), (752, 15965), (753, 15968), (765, 16004), (778, 16040), (779, 16043), (792, 16082), (826, 16202), (843, 16235), (858, 16265), (864, 16295), (867, 16304), (869,

16310), (878, 16325), (879, 16328), (882, 16349), (883, 16352), (899, 16394), (904, 16424), (916, 16466),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 118

Candidate Starts for Mynx_23:

(Start: 118 @17171 has 149 MA's), (Start: 144 @17201 has 125 MA's), (245, 17360), (261, 17393), (274, 17423), (283, 17456), (287, 17468), (325, 17558), (351, 17600), (381, 17672), (385, 17681), (401, 17720), (415, 17765), (424, 17786), (426, 17789), (459, 17843), (467, 17861), (487, 17903), (492, 17909), (500, 17936), (536, 18023), (589, 18074), (598, 18092), (609, 18134), (615, 18152), (628, 18182), (643, 18209), (685, 18314), (753, 18473), (765, 18509), (777, 18539), (786, 18548), (815, 18623), (834, 18674), (907, 18869), (917, 18908), (919, 18911), (929, 18929),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 152

Candidate Starts for MyraDee_25:

(Start: 130 @18028 has 8 MA's), (Start: 152 @18055 has 219 MA's), (209, 18136), (230, 18172), (245, 18205), (283, 18301), (284, 18304), (300, 18340), (320, 18379), (330, 18394), (391, 18523), (401, 18550), (411, 18583), (445, 18637), (500, 18751), (505, 18766), (546, 18853), (549, 18856), (587, 18919), (613, 18988), (631, 19030), (668, 19111), (696, 19186), (699, 19204), (708, 19237), (714, 19243), (719, 19258), (727, 19282), (753, 19339), (757, 19348), (764, 19372), (769, 19387), (815, 19528), (877, 19690), (879, 19696), (880, 19705), (919, 19840),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 144

Candidate Starts for Myrale_24:

(Start: 144 @19616 has 125 MA's), (Start: 205 @19700 has 48 MA's), (Start: 244 @19778 has 1 MA's), (279, 19865), (284, 19880), (300, 19928), (317, 19967), (359, 20054), (372, 20087), (388, 20123), (400, 20153), (402, 20159), (437, 20228), (495, 20258), (498, 20270), (499, 20273), (520, 20330), (589, 20462), (591, 20468), (614, 20534), (616, 20540), (625, 20564), (648, 20612), (662, 20636), (664, 20645), (688, 20720), (752, 20771), (758, 20786), (809, 20948), (817, 20975), (826, 21005), (868, 21110), (897, 21188), (904, 21224), (907, 21233), (916, 21266), (923, 21281),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 148

Candidate Starts for Myxus_30:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (727, 22967), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 152

Candidate Starts for NEHalo_27:

(Start: 152 @20911 has 219 MA's), (Start: 173 @20932 has 4 MA's), (Start: 199 @20974 has 1 MA's), (223, 21019), (320, 21235), (347, 21280), (353, 21289), (391, 21379), (393, 21382), (430, 21475), (491, 21577), (514, 21646), (613, 21847), (614, 21850), (622, 21871), (667, 21967), (668, 21970), (670, 21976), (696, 22045), (699, 22063), (701, 22072), (714, 22102), (753, 22198), (764, 22231), (769, 22246), (815, 22387), (837, 22444), (879, 22555),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 150

Candidate Starts for NaSiaTalie_28:

(Start: 130 @20187 has 8 MA's), (Start: 150 @20211 has 625 MA's), (Start: 244 @20346 has 1 MA's), (253, 20364), (283, 20445), (284, 20448), (319, 20520), (320, 20523), (353, 20577), (355, 20583), (381, 20646), (401, 20694), (411, 20727), (445, 20781), (487, 20862), (491, 20865), (500, 20895), (580, 21051), (614, 21138), (668, 21258), (707, 21381), (708, 21384), (714, 21390), (743, 21438),

(764, 21501), (769, 21516), (771, 21522), (790, 21576), (801, 21615), (805, 21630), (817, 21663), (834, 21708), (877, 21819), (879, 21825), (894, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 150

Candidate Starts for Naca_24:

(Start: 150 @19512 has 625 MA's), (284, 19749), (320, 19824), (330, 19839), (351, 19875), (381, 19947), (387, 19962), (401, 19995), (403, 20001), (500, 20196), (509, 20226), (513, 20232), (562, 20322), (587, 20367), (613, 20436), (631, 20478), (640, 20496), (667, 20556), (668, 20559), (699, 20652), (752, 20793), (764, 20829), (876, 21144), (879, 21153), (916, 21288),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 174

Candidate Starts for Nadeem_22:

(Start: 106 @17269 has 2 MA's), (Start: 174 @17344 has 18 MA's), (230, 17437), (237, 17452), (241, 17458), (274, 17533), (295, 17605), (348, 17716), (367, 17761), (375, 17779), (381, 17791), (465, 17962), (468, 17971), (470, 17977), (487, 18010), (510, 18073), (535, 18124), (568, 18148), (587, 18172), (613, 18247), (628, 18286), (681, 18418), (722, 18532), (764, 18619), (814, 18733), (817, 18742), (864, 18847), (895, 18934), (929, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 162

Candidate Starts for NadineRae_41:

(Start: 162 @27143 has 92 MA's), (Start: 174 @27155 has 18 MA's), (Start: 190 @27179 has 1 MA's), (237, 27257), (320, 27440), (355, 27497), (358, 27509), (363, 27524), (398, 27590), (403, 27605), (412, 27629), (461, 27716), (464, 27722), (475, 27746), (501, 27806), (511, 27836), (519, 27857), (596, 27962), (603, 27983), (648, 28070), (666, 28118), (706, 28244), (733, 28280), (814, 28445), (820, 28463), (834, 28499), (902, 28673), (904, 28685), (923, 28742),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Naiad_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 152

Candidate Starts for Naira_28:

(Start: 152 @22770 has 219 MA's), (Start: 173 @22791 has 4 MA's), (Start: 199 @22833 has 1 MA's), (223, 22878), (320, 23094), (347, 23139), (353, 23148), (367, 23187), (391, 23238), (393, 23241), (491, 23436), (514, 23505), (542, 23565), (613, 23706), (614, 23709), (622, 23730), (667, 23826), (668, 23829), (670, 23835), (696, 23904), (699, 23922), (701, 23931), (714, 23961), (753, 24057), (764, 24090), (769, 24105), (815, 24246), (837, 24303), (879, 24414),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for Naji_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (729, 21273), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 205

Candidate Starts for Nala_24:

(Start: 144 @19772 has 125 MA's), (Start: 205 @19856 has 48 MA's), (Start: 244 @19934 has 1 MA's), (279, 20021), (284, 20036), (300, 20084), (317, 20123), (359, 20210), (372, 20243), (388, 20279), (400, 20309), (402, 20315), (437, 20384), (495, 20414), (498, 20426), (499, 20429), (520, 20486), (589, 20618), (591, 20624), (614, 20690), (616, 20696), (625, 20720), (648, 20768), (662, 20792), (664, 20801), (688, 20876), (752, 20927), (758, 20942), (809, 21104), (817, 21131), (826, 21161), (868, 21266), (897, 21344), (904, 21380), (907, 21389), (916, 21422), (923, 21437),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Nancinator_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 174

Candidate Starts for NancyRae_22:

(Start: 106 @17275 has 2 MA's), (Start: 174 @17350 has 18 MA's), (230, 17443), (237, 17458), (241, 17464), (274, 17539), (295, 17611), (348, 17722), (367, 17767), (375, 17785), (381, 17797), (465, 17968), (468, 17977), (470, 17983), (487, 18016), (510, 18079), (535, 18130), (568, 18154), (587, 18178), (613, 18253), (623, 18277), (628, 18292), (681, 18424), (722, 18538), (764, 18625), (814, 18739), (817, 18748), (864, 18853), (895, 18940), (929, 19048),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 162

Candidate Starts for NatB6_41:

(Start: 162 @29876 has 92 MA's), (Start: 190 @29912 has 1 MA's), (201, 29930), (237, 29990), (355, 30230), (358, 30242), (363, 30257), (398, 30323), (403, 30338), (412, 30362), (413, 30365), (461, 30449), (475, 30479), (477, 30482), (501, 30539), (517, 30587), (519, 30590), (531, 30611), (603, 30716), (625, 30761), (648, 30803), (706, 30977), (724, 31007), (733, 31013), (796, 31121), (797, 31124), (821, 31199), (904, 31418), (923, 31475),

Gene: Natkenzie_35 Start: 30775, Stop: 32376, Start Num: 189

Candidate Starts for Natkenzie_35:

(Start: 172 @30754 has 18 MA's), (189, 30775), (197, 30787), (226, 30838), (259, 30901), (283, 30973), (325, 31060), (355, 31111), (365, 31141), (401, 31222), (410, 31249), (468, 31348), (485, 31378), (489, 31387), (500, 31420), (501, 31423), (502, 31426), (505, 31435), (525, 31483), (581, 31531), (585, 31540), (627, 31639), (650, 31678), (660, 31690), (696, 31807), (704, 31846), (721, 31885), (764, 31942), (785, 31981), (792, 31990), (808, 32047), (812, 32059), (834, 32116), (837, 32122), (850, 32143), (864, 32176), (880, 32221), (916, 32350), (919, 32359),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Natosaleda_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 134

Candidate Starts for Nazo_18:

(Start: 134 @16129 has 48 MA's), (197, 16213), (255, 16327), (259, 16333), (266, 16354), (274, 16372), (283, 16405), (292, 16429), (359, 16588), (360, 16594), (406, 16708), (437, 16765), (480, 16804), (493, 16810), (500, 16834), (520, 16888), (526, 16900), (531, 16909), (560, 16969), (581,

17014), (597, 17047), (609, 17086), (621, 17119), (625, 17131), (648, 17185), (668, 17233), (676, 17263), (680, 17275), (763, 17377), (767, 17389), (768, 17392), (770, 17398), (774, 17407), (807, 17515), (836, 17599), (874, 17698), (894, 17755), (923, 17854),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 150

Candidate Starts for NearlyHeadless_24:

(Start: 130 @18646 has 8 MA's), (Start: 150 @18670 has 625 MA's), (222, 18763), (245, 18808), (284, 18907), (300, 18943), (320, 18982), (330, 18997), (351, 19033), (401, 19153), (403, 19159), (467, 19279), (520, 19408), (562, 19480), (613, 19594), (699, 19810), (708, 19843), (753, 19945), (764, 19978), (769, 19993), (780, 20023), (876, 20293), (879, 20302), (880, 20311), (913, 20425),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 106

Candidate Starts for Nebkiss_17:

(Start: 106 @15060 has 2 MA's), (113, 15069), (Start: 128 @15090 has 8 MA's), (187, 15159), (198, 15177), (208, 15195), (237, 15249), (254, 15285), (261, 15300), (263, 15303), (283, 15363), (320, 15456), (347, 15501), (351, 15507), (354, 15513), (361, 15534), (365, 15546), (387, 15594), (403, 15633), (404, 15636), (405, 15639), (416, 15675), (424, 15693), (438, 15720), (444, 15729), (467, 15768), (476, 15786), (497, 15834), (511, 15876), (536, 15930), (540, 15936), (542, 15942), (559, 15972), (570, 16011), (574, 16020), (587, 16044), (590, 16050), (622, 16140), (627, 16155), (660, 16221), (668, 16251), (685, 16299), (695, 16323), (696, 16326), (701, 16353), (724, 16413), (735, 16434), (745, 16455), (762, 16503), (765, 16515), (794, 16560), (810, 16620), (852, 16716), (854, 16722), (864, 16746), (868, 16758), (876, 16767), (880, 16785), (897, 16836), (908, 16884), (910, 16893), (913, 16902), (915, 16911), (916, 16914), (929, 16941),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Nebs_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 150

Candidate Starts for Nebulosus_30:

(102, 19027), (Start: 130 @19069 has 8 MA's), (Start: 150 @19093 has 625 MA's), (245, 19231), (272, 19288), (284, 19330), (300, 19366), (320, 19405), (357, 19474), (367, 19498), (393, 19552), (467, 19702), (491, 19747), (500, 19777), (513, 19813), (536, 19864), (561, 19900), (587, 19948), (610, 20008), (667, 20137), (696, 20215), (769, 20416), (771, 20422), (802, 20518), (866, 20683), (897, 20782),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Necropolis_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 150

Candidate Starts for Nedarya_29:

(102, 19673), (Start: 130 @19715 has 8 MA's), (Start: 139 @19727 has 218 MA's), (Start: 150 @19739 has 625 MA's), (209, 19808), (272, 19934), (284, 19976), (300, 20012), (320, 20051), (330, 20066), (357, 20120), (367, 20144), (377, 20165), (407, 20240), (491, 20393), (500, 20423), (505, 20438), (513, 20459), (587, 20564), (610, 20624), (667, 20753), (766, 21023), (791, 21095), (837, 21227), (864, 21293), (866, 21299), (868, 21305), (877, 21332), (907, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 150

Candidate Starts for Neeharika16_31:

(102, 19903), (Start: 130 @19945 has 8 MA's), (Start: 150 @19969 has 625 MA's), (273, 20167), (284, 20206), (319, 20278), (320, 20281), (332, 20299), (353, 20335), (355, 20341), (401, 20452), (403, 20458), (415, 20497), (445, 20539), (467, 20578), (487, 20620), (491, 20623), (509, 20683), (624, 20920), (631, 20935), (668, 21016), (714, 21148), (769, 21274), (788, 21325), (790, 21334), (801, 21373), (802, 21376), (805, 21388), (837, 21472), (877, 21577), (879, 21583), (916, 21718),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 138

Candidate Starts for Nekros_34:

(Start: 138 @27091 has 76 MA's), (Start: 205 @27181 has 48 MA's), (207, 27184), (255, 27286), (279, 27352), (292, 27388), (301, 27418), (308, 27433), (345, 27514), (347, 27517), (360, 27553), (372, 27580), (390, 27619), (402, 27652), (405, 27661), (427, 27718), (479, 27760), (515, 27835), (520, 27847), (550, 27907), (554, 27913), (572, 27961), (589, 27991), (597, 28009), (602, 28018), (610, 28051), (614, 28063), (616, 28069), (631, 28108), (662, 28165), (758, 28315), (763, 28333), (778, 28375), (787, 28399), (788, 28402), (792, 28417), (800, 28447), (809, 28477), (826, 28534), (884, 28681), (885, 28684), (923, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 205

Candidate Starts for NelitzaMV_24:

(Start: 144 @19815 has 125 MA's), (Start: 205 @19899 has 48 MA's), (Start: 244 @19977 has 1 MA's), (279, 20064), (284, 20079), (300, 20127), (317, 20166), (359, 20253), (372, 20286), (388, 20322), (400, 20352), (402, 20358), (437, 20427), (495, 20457), (498, 20469), (499, 20472), (520, 20529), (589, 20661), (591, 20667), (614, 20733), (616, 20739), (625, 20763), (648, 20811), (662, 20835), (664, 20844), (688, 20919), (752, 20970), (758, 20985), (809, 21147), (817, 21174), (826, 21204), (868, 21309), (897, 21387), (904, 21423), (907, 21432), (916, 21465), (923, 21480),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 150

Candidate Starts for Nemo27_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19883 has 1 MA's), (230, 19937), (237, 19952), (245, 19970), (279, 20054), (283, 20066), (284, 20069), (320, 20144), (330, 20159), (353, 20198), (401, 20315), (445, 20402), (487, 20483), (505, 20531), (514, 20555), (562, 20642), (587, 20687), (614, 20759), (622, 20780), (631, 20798), (668, 20879), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (722, 21035), (753, 21089), (761, 21110), (778, 21161), (787, 21185), (802, 21239), (837, 21335), (877, 21440), (880, 21455), (911, 21563), (916, 21581),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Nenae_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Neobush_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Neoh_18 Start: 16632, Stop: 18395, Start Num: 112

Candidate Starts for Neoh_18:

(Start: 112 @16632 has 26 MA's), (Start: 138 @16641 has 76 MA's), (Start: 144 @16647 has 125 MA's), (149, 16653), (237, 16785), (261, 16836), (274, 16866), (280, 16890), (320, 16992), (344, 17031), (347, 17037), (355, 17052), (371, 17097), (419, 17217), (450, 17274), (467, 17313), (492, 17361), (500, 17388), (504, 17400), (548, 17481), (589, 17526), (668, 17724), (677, 17754), (685, 17772), (696, 17799), (723, 17883), (742, 17901), (749, 17916), (764, 17964), (769, 17979), (802, 18042), (821, 18099), (837, 18138), (858, 18180), (880, 18231), (907, 18327), (929, 18387),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 96

Candidate Starts for Nergal_22:

(Start: 96 @17111 has 3 MA's), (103, 17126), (Start: 130 @17168 has 8 MA's), (133, 17171), (208, 17258), (226, 17291), (294, 17453), (342, 17552), (373, 17624), (387, 17654), (403, 17693), (415, 17732), (426, 17756), (502, 17903), (515, 17939), (550, 17993), (587, 18041), (609, 18104), (696, 18314), (703, 18350), (769, 18491), (786, 18518), (817, 18599), (849, 18671), (865, 18707), (876, 18725), (905, 18833), (914, 18863), (917, 18878),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 152

Candidate Starts for Nerujay_28:

(Start: 152 @21579 has 219 MA's), (Start: 173 @21600 has 4 MA's), (Start: 199 @21642 has 1 MA's), (223, 21687), (320, 21903), (347, 21948), (353, 21957), (367, 21996), (391, 22047), (393, 22050), (491, 22245), (514, 22314), (613, 22515), (614, 22518), (622, 22539), (667, 22635), (668, 22638), (670, 22644), (696, 22713), (699, 22731), (701, 22740), (714, 22770), (753, 22866), (764, 22899), (769, 22914), (815, 23055), (837, 23112), (879, 23223),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 165

Candidate Starts for Nettuno_17:

(Start: 165 @14697 has 39 MA's), (239, 14814), (271, 14886), (299, 14964), (363, 15087), (373, 15108), (403, 15177), (404, 15180), (424, 15237), (467, 15312), (495, 15366), (524, 15447), (568, 15507), (575, 15513), (648, 15672), (659, 15690), (663, 15705), (668, 15729), (696, 15801), (697, 15804), (700, 15825), (810, 16059), (816, 16074), (831, 16116), (867, 16209), (868, 16212), (882, 16260), (891, 16290), (907, 16347),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 150

Candidate Starts for Newrala_31:

(102, 19903), (Start: 130 @19945 has 8 MA's), (Start: 150 @19969 has 625 MA's), (273, 20167), (284, 20206), (319, 20278), (320, 20281), (332, 20299), (353, 20335), (355, 20341), (401, 20452), (403, 20458), (415, 20497), (445, 20539), (467, 20578), (487, 20620), (491, 20623), (509, 20683), (624, 20920), (631, 20935), (668, 21016), (714, 21148), (769, 21274), (788, 21325), (790, 21334), (801, 21373), (802, 21376), (805, 21388), (837, 21472), (877, 21577), (879, 21583), (916, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 152

Candidate Starts for Nhonho_27:

(Start: 152 @21330 has 219 MA's), (Start: 173 @21351 has 4 MA's), (Start: 199 @21393 has 1 MA's), (223, 21438), (320, 21654), (347, 21699), (353, 21708), (367, 21747), (391, 21798), (393, 21801),

(430, 21894), (491, 21996), (514, 22065), (613, 22266), (614, 22269), (622, 22290), (667, 22386), (668, 22389), (670, 22395), (696, 22464), (699, 22482), (701, 22491), (714, 22521), (753, 22617), (764, 22650), (769, 22665), (815, 22806), (837, 22863), (879, 22974), (925, 23127),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 118

Candidate Starts for Nibb_22:

(Start: 96 @16392 has 3 MA's), (Start: 112 @16422 has 26 MA's), (Start: 118 @16431 has 149 MA's), (Start: 144 @16461 has 125 MA's), (230, 16587), (237, 16602), (261, 16653), (283, 16716), (325, 16818), (330, 16824), (347, 16854), (381, 16932), (385, 16941), (401, 16980), (416, 17028), (424, 17046), (446, 17085), (449, 17088), (459, 17103), (467, 17121), (476, 17139), (487, 17163), (492, 17169), (500, 17196), (520, 17250), (589, 17334), (598, 17352), (665, 17514), (668, 17526), (685, 17574), (707, 17649), (724, 17688), (753, 17733), (764, 17766), (766, 17772), (777, 17799), (815, 17883), (834, 17934), (837, 17940), (880, 18033), (882, 18042), (907, 18129), (929, 18189),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 150

Candidate Starts for Nibbles_20:

(49, 16386), (Start: 150 @16710 has 625 MA's), (297, 16995), (298, 16998), (320, 17043), (330, 17058), (367, 17136), (387, 17181), (430, 17283), (458, 17316), (462, 17328), (465, 17331), (490, 17388), (500, 17421), (505, 17436), (533, 17502), (582, 17544), (587, 17553), (606, 17598), (627, 17661), (667, 17742), (673, 17760), (676, 17769), (678, 17778), (699, 17835), (701, 17844), (769, 17976), (786, 18003), (798, 18024), (814, 18075), (815, 18078), (858, 18174), (864, 18201), (867, 18210), (868, 18213), (879, 18243), (882, 18261), (898, 18306), (923, 18396),

Gene: Nibley_29 Start: 23862, Stop: 25505, Start Num: 205

Candidate Starts for Nibley_29:

(Start: 138 @23772 has 76 MA's), (Start: 205 @23862 has 48 MA's), (207, 23865), (242, 23940), (255, 23967), (292, 24069), (301, 24099), (308, 24114), (347, 24198), (360, 24234), (372, 24261), (390, 24300), (402, 24333), (405, 24342), (427, 24399), (479, 24441), (515, 24516), (520, 24528), (550, 24588), (572, 24642), (589, 24672), (597, 24690), (602, 24699), (610, 24732), (614, 24744), (616, 24750), (631, 24789), (662, 24846), (758, 24996), (763, 25014), (778, 25056), (787, 25080), (788, 25083), (792, 25098), (800, 25128), (809, 25158), (826, 25215), (885, 25365), (919, 25485), (923, 25491),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 150

Candidate Starts for NicoleTera_32:

(Start: 130 @21988 has 8 MA's), (Start: 150 @22012 has 625 MA's), (266, 22195), (283, 22246), (284, 22249), (319, 22321), (320, 22324), (353, 22378), (355, 22384), (367, 22417), (401, 22495), (445, 22582), (487, 22663), (491, 22666), (614, 22939), (631, 22978), (667, 23056), (668, 23059), (714, 23191), (743, 23239), (753, 23269), (764, 23302), (769, 23317), (775, 23332), (781, 23353), (790, 23377), (801, 23416), (805, 23431), (817, 23464), (837, 23515), (877, 23620), (879, 23626), (894, 23680),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 121

Candidate Starts for NiebruSaylor_55:

(Start: 115 @32895 has 20 MA's), (Start: 121 @32904 has 44 MA's), (191, 32994), (248, 33111), (266, 33147), (275, 33168), (282, 33195), (284, 33201), (294, 33231), (302, 33255), (327, 33306), (388, 33444), (392, 33450), (409, 33501), (410, 33504), (415, 33522), (493, 33573), (499, 33594), (500, 33597), (516, 33645), (520, 33651), (543, 33699), (544, 33705), (550, 33711), (573, 33771), (587, 33795), (589, 33798), (606, 33843), (610, 33858), (613, 33867), (616, 33876), (634, 33921), (648, 33939), (664, 33972), (753, 34110), (761, 34131), (782, 34197), (793, 34227), (807, 34281), (820, 34323), (826, 34344), (836, 34365), (843, 34377), (855, 34398), (869, 34452), (897, 34530), (904, 34566), (910, 34587), (917, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Nikao_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 118

Candidate Starts for Niklas_23:

(Start: 112 @16508 has 26 MA's), (Start: 118 @16517 has 149 MA's), (Start: 121 @16523 has 44 MA's), (Start: 144 @16547 has 125 MA's), (Start: 181 @16586 has 32 MA's), (230, 16673), (237, 16688), (245, 16706), (261, 16739), (325, 16904), (347, 16940), (381, 17018), (385, 17027), (424, 17132), (426, 17135), (449, 17174), (465, 17201), (467, 17207), (487, 17249), (492, 17255), (500, 17282), (589, 17420), (598, 17438), (628, 17528), (643, 17555), (662, 17588), (685, 17660), (701, 17714), (716, 17750), (724, 17774), (753, 17819), (764, 17852), (769, 17867), (777, 17885), (786, 17894), (815, 17969), (834, 18020), (837, 18026), (882, 18128), (917, 18254), (919, 18257), (929, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 139

Candidate Starts for Nimbo_16:

(Start: 139 @14808 has 218 MA's), (207, 14895), (Start: 233 @14940 has 2 MA's), (242, 14964), (282, 15069), (284, 15075), (289, 15093), (300, 15123), (353, 15228), (375, 15288), (384, 15309), (388, 15318), (398, 15342), (493, 15468), (497, 15483), (499, 15489), (512, 15525), (513, 15528), (516, 15540), (520, 15546), (543, 15594), (550, 15606), (554, 15612), (587, 15672), (592, 15684), (606, 15720), (609, 15732), (645, 15807), (648, 15816), (660, 15834), (662, 15840), (670, 15870), (751, 15975), (752, 15984), (753, 15987), (765, 16023), (792, 16101), (820, 16200), (826, 16221), (843, 16254), (858, 16284), (864, 16314), (867, 16323), (869, 16329), (878, 16344), (879, 16347), (882, 16368), (883, 16371), (899, 16413), (904, 16443), (916, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 144

Candidate Starts for Nimrod_24:

(Start: 144 @19991 has 125 MA's), (Start: 205 @20075 has 48 MA's), (Start: 244 @20153 has 1 MA's), (279, 20240), (284, 20255), (300, 20303), (317, 20342), (359, 20429), (372, 20462), (388, 20498), (400, 20528), (402, 20534), (437, 20603), (495, 20633), (498, 20645), (499, 20648), (520, 20705), (589, 20837), (591, 20843), (614, 20909), (616, 20915), (625, 20939), (648, 20987), (662, 21011), (664, 21020), (688, 21095), (752, 21146), (758, 21161), (809, 21323), (817, 21350), (826, 21380), (868, 21485), (897, 21563), (904, 21599), (907, 21608), (916, 21641), (923, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 150

Candidate Starts for Nina_19:

(Start: 140 @16771 has 9 MA's), (Start: 150 @16774 has 625 MA's), (274, 16984), (320, 17107), (351, 17158), (387, 17245), (393, 17254), (400, 17275), (405, 17290), (409, 17302), (458, 17380), (462, 17392), (476, 17419), (490, 17452), (500, 17485), (504, 17497), (520, 17539), (606, 17662), (633, 17734), (668, 17812), (673, 17827), (678, 17845), (699, 17902), (753, 17995), (765, 18031), (769, 18043), (771, 18049), (777, 18061), (786, 18070), (814, 18142), (815, 18145), (817, 18151), (821, 18163), (852, 18223), (864, 18268), (867, 18277), (879, 18310), (899, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 141

Candidate Starts for Nitzel_17:

(Start: 141 @15550 has 4 MA's), (Start: 233 @15682 has 2 MA's), (242, 15706), (245, 15715), (275, 15784), (284, 15817), (289, 15835), (293, 15844), (353, 15970), (375, 16030), (384, 16051), (388,

16060), (398, 16084), (411, 16126), (425, 16159), (427, 16162), (441, 16171), (467, 16186), (474, 16192), (493, 16210), (497, 16225), (499, 16231), (512, 16267), (513, 16270), (516, 16282), (520, 16288), (525, 16297), (543, 16336), (550, 16348), (606, 16462), (609, 16474), (622, 16507), (645, 16549), (648, 16558), (660, 16576), (662, 16582), (751, 16717), (753, 16729), (765, 16765), (792, 16843), (858, 17026), (863, 17053), (864, 17056), (867, 17065), (869, 17071), (878, 17086), (882, 17110), (883, 17113), (886, 17122), (899, 17155), (916, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for Nivrat_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (371, 15286), (375, 15292), (379, 15301), (388, 15322), (398, 15346), (410, 15382), (411, 15388), (425, 15421), (427, 15424), (441, 15433), (467, 15448), (474, 15454), (493, 15472), (497, 15487), (499, 15493), (505, 15511), (506, 15514), (512, 15529), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (753, 15991), (765, 16027), (792, 16105), (826, 16225), (843, 16258), (858, 16288), (860, 16300), (864, 16318), (866, 16324), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (882, 16372), (883, 16375), (899, 16417), (904, 16447), (916, 16489), (917, 16495),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 152

Candidate Starts for Niza_29:

(Start: 152 @22150 has 219 MA's), (Start: 173 @22171 has 4 MA's), (Start: 199 @22213 has 1 MA's), (223, 22258), (320, 22474), (347, 22519), (353, 22528), (367, 22567), (391, 22618), (393, 22621), (491, 22816), (514, 22885), (542, 22945), (613, 23086), (614, 23089), (622, 23110), (667, 23206), (668, 23209), (670, 23215), (696, 23284), (699, 23302), (701, 23311), (714, 23341), (753, 23437), (764, 23470), (769, 23485), (815, 23626), (837, 23683), (879, 23794),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 94

Candidate Starts for NoShow_18:

(Start: 94 @15497 has 4 MA's), (187, 15614), (230, 15689), (237, 15704), (263, 15758), (279, 15806), (356, 15977), (391, 16055), (393, 16058), (401, 16082), (410, 16109), (440, 16178), (442, 16181), (451, 16229), (465, 16259), (467, 16265), (476, 16283), (478, 16286), (492, 16313), (496, 16328), (513, 16376), (516, 16388), (587, 16475), (595, 16490), (622, 16571), (651, 16628), (662, 16649), (667, 16670), (725, 16838), (785, 16940), (794, 16949), (801, 16976), (810, 17006), (834, 17069), (837, 17075), (880, 17168), (915, 17294), (917, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 144

Candidate Starts for NoSleep_25:

(Start: 144 @19485 has 125 MA's), (Start: 205 @19569 has 48 MA's), (Start: 244 @19647 has 1 MA's), (279, 19734), (284, 19749), (300, 19797), (317, 19836), (359, 19923), (372, 19956), (388, 19992), (400, 20022), (402, 20028), (437, 20097), (495, 20127), (498, 20139), (499, 20142), (520, 20199), (589, 20331), (591, 20337), (614, 20403), (616, 20409), (625, 20433), (648, 20481), (662, 20505), (664, 20514), (688, 20589), (752, 20640), (758, 20655), (809, 20817), (817, 20844), (826, 20874), (868, 20979), (897, 21057), (904, 21093), (907, 21102), (916, 21135), (923, 21150),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 140

Candidate Starts for Nodigi_20:

(31, 15278), (43, 15389), (120, 15725), (Start: 140 @15752 has 9 MA's), (Start: 150 @15755 has 625 MA's), (213, 15839), (245, 15896), (283, 15995), (300, 16046), (387, 16223), (400, 16253), (409, 16280), (415, 16301), (419, 16310), (430, 16325), (458, 16355), (462, 16367), (466, 16373), (467, 16376), (474, 16391), (500, 16460), (533, 16541), (582, 16583), (587, 16592), (596, 16610), (611, 16655), (649, 16739), (666, 16775), (667, 16778), (668, 16781), (673, 16796), (678, 16814), (699,

16871), (708, 16904), (765, 17000), (769, 17012), (771, 17018), (775, 17027), (786, 17039), (814, 17111), (815, 17114), (816, 17117), (821, 17132), (867, 17249), (879, 17282), (880, 17291), (916, 17420), (923, 17435),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 150

Candidate Starts for Noella_28:

(Start: 150 @20456 has 625 MA's), (Start: 199 @20516 has 1 MA's), (237, 20585), (279, 20687), (283, 20699), (284, 20702), (320, 20777), (330, 20792), (353, 20831), (407, 20966), (445, 21035), (500, 21149), (562, 21275), (613, 21389), (622, 21413), (627, 21425), (631, 21431), (668, 21512), (696, 21587), (699, 21605), (701, 21614), (708, 21638), (714, 21644), (719, 21659), (734, 21692), (752, 21737), (753, 21740), (761, 21761), (802, 21890), (837, 21986), (877, 22091), (879, 22097), (916, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 155

Candidate Starts for Noelle_27:

(Start: 130 @19858 has 8 MA's), (Start: 150 @19882 has 625 MA's), (Start: 155 @19888 has 12 MA's), (Start: 199 @19942 has 1 MA's), (237, 20011), (Start: 244 @20026 has 1 MA's), (273, 20089), (279, 20113), (283, 20125), (284, 20128), (320, 20203), (330, 20218), (393, 20350), (401, 20374), (445, 20461), (500, 20575), (514, 20614), (562, 20701), (587, 20746), (613, 20815), (622, 20839), (631, 20857), (668, 20938), (696, 21013), (699, 21031), (708, 21064), (714, 21070), (719, 21085), (727, 21109), (752, 21163), (753, 21166), (761, 21187), (837, 21412), (877, 21517), (879, 21523), (916, 21658),

Gene: NonchalantPear_24 Start: 19525, Stop: 21120, Start Num: 205

Candidate Starts for NonchalantPear_24:

(Start: 144 @19441 has 125 MA's), (Start: 205 @19525 has 48 MA's), (Start: 244 @19603 has 1 MA's), (279, 19690), (284, 19705), (300, 19753), (317, 19792), (359, 19879), (372, 19912), (388, 19948), (400, 19978), (402, 19984), (437, 20053), (495, 20083), (498, 20095), (499, 20098), (520, 20155), (589, 20287), (591, 20293), (614, 20359), (616, 20365), (625, 20389), (648, 20437), (662, 20461), (664, 20470), (688, 20545), (752, 20596), (758, 20611), (809, 20773), (817, 20800), (826, 20830), (868, 20935), (897, 21013), (904, 21049), (907, 21058), (916, 21091), (923, 21106),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Norbert_27:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 105

Candidate Starts for Nordenberg_29:

(97, 29925), (Start: 105 @29943 has 84 MA's), (Start: 129 @29979 has 1 MA's), (226, 30117), (272, 30213), (275, 30222), (296, 30291), (320, 30342), (347, 30387), (355, 30402), (391, 30483), (407, 30528), (410, 30537), (466, 30627), (480, 30657), (487, 30672), (495, 30696), (504, 30726), (585, 30831), (631, 30948), (641, 30966), (647, 30981), (664, 31011), (667, 31023), (668, 31026), (676, 31053), (815, 31377), (816, 31380), (834, 31428), (852, 31455), (860, 31482), (877, 31536), (882, 31560), (883, 31563), (908, 31653), (925, 31701),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 139

Candidate Starts for NormanBulbieJr_16:

(Start: 139 @14800 has 218 MA's), (207, 14887), (Start: 233 @14932 has 2 MA's), (242, 14956), (282, 15061), (284, 15067), (289, 15085), (300, 15115), (353, 15220), (375, 15280), (384, 15301), (388, 15310), (398, 15334), (493, 15460), (497, 15475), (499, 15481), (512, 15517), (513, 15520), (516, 15532), (520, 15538), (543, 15586), (550, 15598), (554, 15604), (587, 15664), (592, 15676), (606, 15712), (609, 15724), (645, 15799), (648, 15808), (660, 15826), (662, 15832), (670, 15862), (751, 15967), (753, 15979), (765, 16015), (792, 16093), (820, 16192), (826, 16213), (843, 16246), (858, 16276), (860, 16288), (864, 16306), (866, 16312), (867, 16315), (869, 16321), (878, 16336), (879, 16339), (882, 16360), (883, 16363), (899, 16405), (904, 16435), (916, 16477), (917, 16483),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for NorthStar_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 160

Candidate Starts for Norvs_49:

(Start: 160 @29614 has 22 MA's), (202, 29674), (216, 29707), (Start: 233 @29737 has 2 MA's), (234, 29740), (292, 29899), (294, 29908), (354, 30037), (370, 30085), (520, 30298), (523, 30304), (534, 30328), (601, 30457), (606, 30478), (616, 30511), (688, 30709), (789, 30862), (817, 30961), (821, 30973), (824, 30982), (860, 31066), (905, 31213), (915, 31249),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 152

Candidate Starts for Norz_29:

(Start: 152 @21986 has 219 MA's), (Start: 173 @22007 has 4 MA's), (Start: 199 @22049 has 1 MA's), (223, 22094), (320, 22310), (347, 22355), (353, 22364), (367, 22403), (391, 22454), (393, 22457), (491, 22652), (514, 22721), (613, 22922), (614, 22925), (622, 22946), (667, 23042), (668, 23045), (670, 23051), (696, 23120), (699, 23138), (701, 23147), (714, 23177), (753, 23273), (764, 23306), (769, 23321), (815, 23462), (837, 23519), (879, 23630),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 162

Candidate Starts for NosilaM_44:

(Start: 162 @30458 has 92 MA's), (237, 30572), (275, 30656), (363, 30839), (398, 30905), (403, 30920), (412, 30944), (461, 31031), (475, 31061), (477, 31064), (501, 31121), (531, 31193), (603, 31298), (648, 31385), (666, 31433), (706, 31559), (733, 31595), (797, 31706), (821, 31781), (894, 31958), (904, 32000), (923, 32057),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 150

Candidate Starts for NotAPhaseMom_27:

(Start: 130 @19807 has 8 MA's), (Start: 150 @19831 has 625 MA's), (Start: 199 @19888 has 1 MA's), (230, 19942), (237, 19957), (245, 19975), (279, 20059), (283, 20071), (284, 20074), (320, 20149), (330, 20164), (353, 20203), (401, 20320), (445, 20407), (487, 20488), (505, 20536), (514, 20560), (562, 20647), (587, 20692), (614, 20764), (622, 20785), (631, 20803), (668, 20884), (699, 20977), (701, 20986), (708, 21010), (714, 21016), (722, 21040), (753, 21094), (761, 21115), (778, 21166), (787, 21190), (802, 21244), (837, 21340), (877, 21445), (880, 21460), (911, 21568), (916, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 150

Candidate Starts for NothingSpecial_30:

(102, 22143), (Start: 130 @22185 has 8 MA's), (Start: 150 @22209 has 625 MA's), (Start: 244 @22344 has 1 MA's), (253, 22362), (283, 22443), (284, 22446), (319, 22518), (320, 22521), (353, 22575), (355,

22581), (401, 22692), (419, 22746), (445, 22779), (487, 22860), (491, 22863), (551, 23004), (562, 23019), (568, 23034), (614, 23136), (668, 23256), (714, 23388), (722, 23412), (761, 23487), (764, 23499), (769, 23514), (771, 23520), (801, 23613), (805, 23628), (837, 23712), (877, 23817), (879, 23823), (894, 23877),

Gene: November_21 Start: 17472, Stop: 19238, Start Num: 118

Candidate Starts for November_21:

(Start: 118 @17472 has 149 MA's), (Start: 144 @17502 has 125 MA's), (230, 17628), (237, 17643), (245, 17661), (261, 17694), (274, 17724), (283, 17757), (287, 17769), (325, 17859), (347, 17895), (351, 17901), (385, 17982), (419, 18075), (424, 18087), (426, 18090), (446, 18126), (459, 18144), (467, 18162), (476, 18180), (487, 18204), (492, 18210), (500, 18237), (513, 18273), (598, 18393), (628, 18483), (643, 18510), (665, 18555), (685, 18615), (707, 18690), (719, 18714), (765, 18810), (777, 18840), (786, 18849), (815, 18924), (882, 19083), (917, 19209), (919, 19212), (929, 19230),

Gene: NovoPizza_21 Start: 18353, Stop: 20119, Start Num: 100

Candidate Starts for NovoPizza_21:

(100, 18353), (Start: 140 @18410 has 9 MA's), (156, 18428), (Start: 190 @18467 has 1 MA's), (210, 18503), (230, 18536), (237, 18551), (373, 18875), (378, 18884), (387, 18905), (407, 18956), (423, 18998), (468, 19070), (476, 19085), (505, 19157), (510, 19172), (535, 19223), (568, 19244), (631, 19388), (660, 19436), (668, 19466), (681, 19508), (696, 19541), (719, 19613), (722, 19622), (723, 19625), (764, 19691), (766, 19697), (813, 19805), (824, 19835), (831, 19853), (837, 19865), (848, 19880), (849, 19883), (882, 19964), (893, 19997), (895, 20003), (897, 20006), (929, 20111),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 162

Candidate Starts for NovumRegina_41:

(Start: 162 @30206 has 92 MA's), (Start: 190 @30242 has 1 MA's), (201, 30260), (237, 30320), (355, 30560), (358, 30572), (363, 30587), (398, 30653), (403, 30668), (412, 30692), (413, 30695), (461, 30779), (475, 30809), (477, 30812), (501, 30869), (517, 30917), (519, 30920), (531, 30941), (603, 31046), (625, 31091), (648, 31133), (706, 31307), (724, 31337), (733, 31343), (796, 31451), (797, 31454), (821, 31529), (904, 31748), (923, 31805),

Gene: Noxious_29 Start: 22615, Stop: 24417, Start Num: 152

Candidate Starts for Noxious_29:

(Start: 152 @22615 has 219 MA's), (Start: 173 @22636 has 4 MA's), (Start: 199 @22678 has 1 MA's), (223, 22723), (320, 22939), (347, 22984), (353, 22993), (367, 23032), (391, 23083), (393, 23086), (491, 23281), (514, 23350), (613, 23551), (614, 23554), (622, 23575), (667, 23671), (668, 23674), (670, 23680), (696, 23749), (699, 23767), (701, 23776), (714, 23806), (753, 23902), (764, 23935), (769, 23950), (780, 23980), (815, 24091), (837, 24148), (879, 24259), (925, 24412),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 105

Candidate Starts for Nubi_31:

(86, 25821), (Start: 105 @25863 has 84 MA's), (Start: 129 @25899 has 1 MA's), (Start: 155 @25932 has 12 MA's), (274, 26142), (275, 26145), (283, 26175), (310, 26241), (320, 26265), (326, 26274), (345, 26307), (410, 26460), (430, 26499), (466, 26550), (470, 26562), (480, 26580), (486, 26592), (490, 26604), (495, 26619), (504, 26649), (505, 26652), (513, 26673), (581, 26745), (603, 26793), (647, 26904), (665, 26937), (676, 26976), (677, 26979), (701, 27051), (740, 27117), (744, 27129), (815, 27300), (816, 27303), (834, 27351), (852, 27378), (860, 27405), (861, 27411), (877, 27459), (908, 27576), (914, 27597), (925, 27624),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Nutello_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381,

17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 186

Candidate Starts for Nyceirae_23:

(95, 18639), (158, 18732), (Start: 186 @18768 has 2 MA's), (Start: 193 @18780 has 3 MA's), (247, 18894), (263, 18924), (280, 18978), (302, 19044), (304, 19050), (358, 19161), (360, 19170), (370, 19197), (374, 19203), (376, 19206), (385, 19227), (415, 19311), (497, 19398), (498, 19401), (523, 19467), (531, 19482), (558, 19536), (566, 19566), (579, 19575), (601, 19617), (606, 19638), (622, 19686), (626, 19698), (636, 19725), (668, 19794), (693, 19863), (751, 19896), (768, 19953), (788, 20004), (806, 20073), (839, 20160), (846, 20175), (865, 20232), (868, 20241), (882, 20280), (895, 20319), (898, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for Nymphadora_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 150

Candidate Starts for Nyxis_27:

(Start: 130 @19746 has 8 MA's), (Start: 150 @19770 has 625 MA's), (Start: 199 @19827 has 1 MA's), (230, 19881), (237, 19896), (245, 19914), (279, 19998), (283, 20010), (284, 20013), (320, 20088), (330, 20103), (353, 20142), (401, 20259), (445, 20346), (487, 20427), (505, 20475), (514, 20499), (562, 20586), (587, 20631), (614, 20703), (622, 20724), (631, 20742), (668, 20823), (699, 20916), (701, 20925), (708, 20949), (714, 20955), (722, 20979), (753, 21033), (761, 21054), (778, 21105), (787, 21129), (837, 21279), (877, 21384), (880, 21399), (911, 21507), (916, 21525),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 117

Candidate Starts for OBUpride_22:

(Start: 117 @17400 has 24 MA's), (123, 17409), (156, 17451), (198, 17502), (210, 17526), (217, 17538), (230, 17559), (237, 17574), (245, 17592), (262, 17625), (273, 17652), (294, 17724), (334, 17814), (373, 17898), (378, 17907), (387, 17928), (411, 17994), (423, 18021), (443, 18054), (459, 18072), (468, 18093), (476, 18108), (478, 18111), (504, 18177), (505, 18180), (535, 18246), (553, 18258), (568, 18267), (576, 18270), (610, 18357), (631, 18411), (659, 18456), (661, 18462), (683, 18534), (696, 18564), (701, 18591), (716, 18627), (719, 18636), (764, 18714), (824, 18858), (831, 18876), (837, 18888), (848, 18903), (849, 18906), (858, 18927), (864, 18939), (882, 18987), (893, 19020), (913, 19095), (917, 19113), (929, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 119

Candidate Starts for ODay_25:

(Start: 119 @18641 has 25 MA's), (Start: 128 @18653 has 8 MA's), (Start: 129 @18656 has 1 MA's), (Start: 162 @18695 has 92 MA's), (255, 18860), (305, 18953), (332, 19004), (337, 19013), (347, 19031), (363, 19073), (367, 19079), (378, 19103), (380, 19109), (387, 19127), (407, 19178), (409, 19184), (419, 19214), (456, 19256), (466, 19277), (468, 19283), (480, 19307), (500, 19358), (501, 19361), (512, 19391), (514, 19397), (609, 19541), (676, 19703), (699, 19769), (701, 19778), (707, 19799), (759, 19892), (765, 19913), (769, 19925), (771, 19931), (775, 19940), (777, 19943), (804, 19997), (815, 20027), (844, 20096), (877, 20183), (879, 20189), (893, 20240), (904, 20285), (916, 20327), (925, 20345),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 150

Candidate Starts for OKCentral2016_27:

(Start: 130 @19468 has 8 MA's), (Start: 150 @19492 has 625 MA's), (Start: 199 @19549 has 1 MA's), (208, 19564), (237, 19618), (279, 19720), (283, 19732), (284, 19735), (320, 19810), (330, 19825), (353, 19864), (401, 19981), (407, 19999), (445, 20068), (483, 20143), (500, 20182), (514, 20221), (562, 20308), (580, 20338), (587, 20353), (608, 20401), (622, 20446), (627, 20458), (631, 20464), (667, 20542), (668, 20545), (699, 20638), (701, 20647), (708, 20671), (714, 20677), (719, 20692), (743, 20725), (761, 20776), (766, 20794), (780, 20833), (781, 20839), (815, 20944), (837, 21001), (853, 21025), (855, 21031), (877, 21106), (879, 21112), (880, 21121), (916, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 150

Candidate Starts for OKaNui_28:

(Start: 130 @19856 has 8 MA's), (Start: 150 @19880 has 625 MA's), (Start: 199 @19937 has 1 MA's), (230, 19991), (237, 20006), (245, 20024), (279, 20108), (283, 20120), (284, 20123), (320, 20198), (330, 20213), (353, 20252), (401, 20369), (445, 20456), (487, 20537), (505, 20585), (514, 20609), (562, 20696), (587, 20741), (614, 20813), (622, 20834), (631, 20852), (668, 20933), (699, 21026), (701, 21035), (708, 21059), (714, 21065), (722, 21089), (753, 21143), (761, 21164), (778, 21215), (787, 21239), (802, 21293), (837, 21389), (877, 21494), (880, 21509), (911, 21617), (916, 21635),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 161

Candidate Starts for ObLaDi_19:

(Start: 148 @16512 has 18 MA's), (Start: 161 @16527 has 5 MA's), (Start: 167 @16533 has 1 MA's), (188, 16563), (Start: 193 @16572 has 3 MA's), (305, 16806), (320, 16839), (348, 16887), (381, 16962), (400, 17007), (445, 17097), (458, 17112), (481, 17166), (487, 17175), (500, 17208), (512, 17241), (514, 17247), (650, 17481), (660, 17493), (667, 17520), (676, 17553), (692, 17592), (696, 17601), (719, 17673), (746, 17688), (753, 17712), (769, 17760), (809, 17847), (817, 17868), (845, 17934), (868, 18000), (882, 18048), (908, 18138), (925, 18186),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 150

Candidate Starts for Obama12_28:

(Start: 130 @20116 has 8 MA's), (Start: 150 @20140 has 625 MA's), (Start: 155 @20146 has 12 MA's), (Start: 199 @20200 has 1 MA's), (208, 20215), (237, 20269), (245, 20287), (279, 20371), (283, 20383), (284, 20386), (320, 20461), (330, 20476), (353, 20515), (401, 20632), (445, 20719), (487, 20800), (505, 20848), (514, 20872), (562, 20959), (587, 21004), (614, 21076), (622, 21097), (631, 21115), (668, 21196), (696, 21271), (699, 21289), (701, 21298), (708, 21322), (714, 21328), (722, 21352), (751, 21394), (753, 21406), (761, 21427), (778, 21478), (787, 21502), (802, 21556), (837, 21652), (877, 21757), (880, 21772), (911, 21880), (916, 21898),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 177

Candidate Starts for Obliviate_18:

(Start: 141 @16404 has 4 MA's), (Start: 177 @16440 has 46 MA's), (237, 16542), (273, 16620), (274, 16623), (316, 16719), (338, 16758), (367, 16818), (377, 16839), (400, 16893), (405, 16908), (495, 17079), (504, 17109), (617, 17292), (627, 17316), (655, 17367), (687, 17460), (695, 17472), (705, 17517), (713, 17532), (765, 17664), (766, 17667), (810, 17766), (817, 17784), (837, 17835), (868, 17901), (889, 17964), (894, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for Ochi17_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592,

15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for OctaviousRex_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 138

Candidate Starts for Odette_36:

(Start: 138 @26877 has 76 MA's), (Start: 205 @26967 has 48 MA's), (230, 27015), (242, 27045), (255, 27072), (292, 27174), (301, 27204), (347, 27303), (360, 27339), (362, 27345), (372, 27366), (402, 27438), (405, 27447), (411, 27468), (474, 27537), (499, 27576), (500, 27579), (505, 27594), (520, 27633), (543, 27681), (550, 27693), (554, 27699), (572, 27747), (577, 27756), (589, 27777), (597, 27795), (612, 27843), (660, 27945), (676, 28005), (680, 28017), (758, 28101), (762, 28113), (763, 28119), (767, 28131), (768, 28134), (781, 28173), (789, 28191), (799, 28227), (800, 28233), (826, 28320), (863, 28410), (880, 28452), (885, 28470), (895, 28500), (905, 28542), (923, 28596),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 150

Candidate Starts for Odin_27:

(102, 18895), (Start: 130 @18937 has 8 MA's), (Start: 150 @18961 has 625 MA's), (253, 19114), (283, 19195), (284, 19198), (319, 19270), (320, 19273), (330, 19288), (353, 19327), (355, 19333), (401, 19444), (403, 19450), (411, 19477), (445, 19531), (487, 19612), (562, 19771), (580, 19801), (631, 19927), (660, 19978), (668, 20008), (708, 20134), (730, 20188), (747, 20215), (751, 20224), (753, 20236), (764, 20269), (769, 20284), (778, 20308), (801, 20383), (802, 20386), (805, 20398), (837, 20482), (877, 20587), (890, 20638), (894, 20647), (916, 20728),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for OfUltron_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 139

Candidate Starts for Ogopogo_19:

(Start: 139 @15066 has 218 MA's), (207, 15153), (218, 15174), (Start: 233 @15198 has 2 MA's), (242, 15222), (248, 15243), (282, 15327), (284, 15333), (289, 15351), (300, 15381), (353, 15486), (371, 15540), (375, 15546), (379, 15555), (384, 15567), (388, 15576), (398, 15600), (411, 15642), (425, 15675), (474, 15708), (493, 15726), (497, 15741), (499, 15747), (512, 15783), (516, 15798), (520,

15804), (543, 15852), (550, 15864), (554, 15870), (587, 15930), (606, 15978), (609, 15990), (645, 16065), (648, 16074), (660, 16092), (662, 16098), (670, 16128), (751, 16233), (753, 16245), (765, 16281), (826, 16479), (843, 16512), (858, 16542), (860, 16554), (864, 16572), (867, 16581), (869, 16587), (878, 16602), (879, 16605), (882, 16626), (883, 16629), (899, 16671), (904, 16701), (916, 16743), (917, 16749),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Ohfah_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 162

Candidate Starts for Ohgeesy_19:

(Start: 162 @17387 has 92 MA's), (309, 17636), (312, 17645), (320, 17663), (323, 17666), (355, 17720), (386, 17795), (411, 17864), (414, 17873), (419, 17885), (424, 17897), (446, 17936), (462, 17963), (467, 17972), (468, 17975), (526, 18008), (568, 18065), (603, 18131), (646, 18242), (667, 18302), (700, 18404), (722, 18461), (770, 18551), (868, 18791), (891, 18869),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 152

Candidate Starts for Ohno789_27:

(Start: 152 @20972 has 219 MA's), (Start: 173 @20993 has 4 MA's), (Start: 199 @21035 has 1 MA's), (223, 21080), (320, 21296), (347, 21341), (353, 21350), (367, 21389), (391, 21440), (393, 21443), (491, 21638), (514, 21707), (613, 21908), (614, 21911), (622, 21932), (667, 22028), (668, 22031), (670, 22037), (696, 22106), (699, 22124), (701, 22133), (714, 22163), (753, 22259), (764, 22292), (769, 22307), (815, 22448), (837, 22505), (879, 22616),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 121

Candidate Starts for OkiRoe_21:

(Start: 121 @17496 has 44 MA's), (Start: 127 @17502 has 1 MA's), (Start: 147 @17526 has 1 MA's), (Start: 181 @17559 has 32 MA's), (208, 17607), (237, 17661), (261, 17712), (283, 17775), (330, 17883), (381, 17991), (424, 18105), (426, 18108), (449, 18147), (465, 18174), (467, 18180), (487, 18222), (492, 18228), (504, 18267), (513, 18291), (589, 18393), (610, 18456), (627, 18501), (685, 18636), (719, 18735), (757, 18813), (764, 18837), (771, 18858), (815, 18954), (817, 18960), (882, 19113), (912, 19218), (913, 19221), (917, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 139

Candidate Starts for Oksu_17:

(Start: 139 @14871 has 218 MA's), (207, 14958), (Start: 233 @15003 has 2 MA's), (242, 15027), (282, 15132), (284, 15138), (289, 15156), (300, 15186), (353, 15291), (375, 15351), (384, 15372), (388, 15381), (398, 15405), (425, 15480), (493, 15531), (497, 15546), (499, 15552), (512, 15588), (516, 15603), (520, 15609), (543, 15657), (550, 15669), (554, 15675), (587, 15735), (592, 15747), (606, 15783), (609, 15795), (616, 15816), (645, 15870), (648, 15879), (660, 15897), (662, 15903), (670, 15933), (751, 16038), (752, 16047), (753, 16050), (765, 16086), (792, 16164), (820, 16263), (826, 16284), (843, 16317), (858, 16347), (864, 16377), (867, 16386), (869, 16392), (878, 16407), (879, 16410), (882, 16431), (883, 16434), (897, 16470), (899, 16476), (916, 16548),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 150

Candidate Starts for OlanP_29:

(Start: 150 @20640 has 625 MA's), (Start: 199 @20697 has 1 MA's), (208, 20712), (237, 20766),
(Start: 244 @20781 has 1 MA's), (279, 20868), (283, 20880), (284, 20883), (320, 20958), (330, 20973),
(445, 21216), (514, 21369), (562, 21456), (613, 21570), (622, 21594), (631, 21612), (668, 21693),
(696, 21768), (699, 21786), (701, 21795), (708, 21819), (714, 21825), (719, 21840), (727, 21864),
(752, 21918), (753, 21921), (761, 21942), (879, 22278), (916, 22413),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 139

Candidate Starts for OldBen_16:

(Start: 139 @14778 has 218 MA's), (207, 14865), (Start: 233 @14910 has 2 MA's), (242, 14934), (282, 15039), (284, 15045), (289, 15063), (293, 15072), (300, 15093), (353, 15198), (375, 15258), (384, 15279), (388, 15288), (398, 15312), (493, 15438), (497, 15453), (499, 15459), (512, 15495), (513, 15498), (516, 15510), (520, 15516), (543, 15564), (550, 15576), (554, 15582), (587, 15642), (592, 15654), (606, 15690), (609, 15702), (645, 15777), (648, 15786), (660, 15804), (662, 15810), (670, 15840), (751, 15945), (752, 15954), (753, 15957), (765, 15993), (792, 16071), (820, 16170), (826, 16191), (843, 16224), (858, 16254), (864, 16284), (867, 16293), (869, 16299), (878, 16314), (879, 16317), (882, 16338), (883, 16341), (899, 16383), (904, 16413), (916, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Olga_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 150

Candidate Starts for Ollie_29:

(Start: 150 @20249 has 625 MA's), (Start: 199 @20306 has 1 MA's), (208, 20321), (226, 20354), (237, 20375), (Start: 244 @20390 has 1 MA's), (279, 20477), (283, 20489), (284, 20492), (320, 20567), (330, 20582), (351, 20618), (445, 20825), (500, 20939), (514, 20978), (562, 21065), (613, 21179), (622, 21203), (631, 21221), (668, 21302), (696, 21377), (699, 21395), (708, 21428), (714, 21434), (727, 21473), (752, 21527), (753, 21530), (761, 21551), (780, 21608), (837, 21776), (877, 21881), (879, 21887), (916, 22022),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 139

Candidate Starts for OlympiaSaint_16:

(Start: 139 @15002 has 218 MA's), (207, 15089), (Start: 233 @15134 has 2 MA's), (242, 15158), (282, 15263), (284, 15269), (289, 15287), (300, 15317), (353, 15422), (375, 15482), (384, 15503), (388, 15512), (398, 15536), (425, 15611), (427, 15614), (493, 15662), (497, 15677), (499, 15683), (512, 15719), (513, 15722), (516, 15734), (520, 15740), (543, 15788), (550, 15800), (554, 15806), (587, 15866), (592, 15878), (606, 15914), (609, 15926), (645, 16001), (648, 16010), (660, 16028), (662, 16034), (670, 16064), (751, 16169), (753, 16181), (765, 16217), (792, 16295), (826, 16415), (843, 16448), (858, 16478), (864, 16508), (867, 16517), (869, 16523), (878, 16538), (879, 16541), (883, 16565), (894, 16595), (899, 16607), (904, 16637), (916, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 138

Candidate Starts for Omega_36:

(Start: 138 @28767 has 76 MA's), (Start: 205 @28857 has 48 MA's), (207, 28860), (242, 28935), (255, 28962), (279, 29028), (292, 29064), (301, 29094), (308, 29109), (347, 29193), (360, 29229), (372, 29256), (390, 29295), (402, 29328), (405, 29337), (427, 29394), (479, 29436), (515, 29511), (520, 29523), (550, 29583), (554, 29589), (572, 29637), (589, 29667), (597, 29685), (602, 29694), (610, 29727), (614, 29739), (616, 29745), (631, 29784), (662, 29841), (758, 29991), (763, 30009), (778,

30051), (787, 30075), (788, 30078), (792, 30093), (800, 30123), (809, 30153), (826, 30210), (885, 30360), (919, 30480), (923, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 118

Candidate Starts for OmniCritical_24:

(Start: 96 @18492 has 3 MA's), (Start: 112 @18522 has 26 MA's), (Start: 115 @18528 has 20 MA's), (Start: 118 @18531 has 149 MA's), (Start: 181 @18588 has 32 MA's), (208, 18636), (230, 18675), (237, 18690), (245, 18708), (261, 18741), (274, 18771), (287, 18816), (294, 18834), (325, 18906), (330, 18912), (347, 18942), (375, 19008), (381, 19020), (433, 19155), (465, 19203), (467, 19209), (476, 19227), (492, 19257), (504, 19296), (589, 19422), (609, 19482), (610, 19485), (616, 19503), (623, 19518), (685, 19686), (701, 19740), (719, 19785), (744, 19830), (753, 19854), (764, 19887), (777, 19920), (810, 19992), (815, 20004), (834, 20055), (837, 20061), (882, 20163), (917, 20289), (929, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 165

Candidate Starts for OneDirection_17:

(79, 14529), (Start: 165 @14664 has 39 MA's), (271, 14853), (272, 14856), (299, 14931), (330, 14985), (363, 15054), (403, 15144), (404, 15147), (467, 15279), (495, 15333), (524, 15414), (568, 15474), (575, 15480), (614, 15561), (648, 15639), (659, 15657), (668, 15696), (696, 15768), (697, 15771), (700, 15792), (810, 16026), (816, 16041), (831, 16083), (867, 16176), (868, 16179), (882, 16227), (891, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 160

Candidate Starts for OneUp_42:

(Start: 160 @27048 has 22 MA's), (202, 27108), (216, 27141), (272, 27264), (289, 27330), (308, 27378), (351, 27465), (354, 27471), (370, 27519), (372, 27522), (392, 27564), (497, 27669), (515, 27720), (520, 27732), (523, 27738), (609, 27924), (680, 28122), (688, 28140), (751, 28182), (764, 28227), (766, 28233), (789, 28293), (821, 28404), (897, 28605), (905, 28644), (915, 28680),

Gene: Onglai_29 Start: 20083, Stop: 21873, Start Num: 150

Candidate Starts for Onglai_29:

(Start: 148 @20080 has 18 MA's), (Start: 150 @20083 has 625 MA's), (283, 20317), (284, 20320), (319, 20392), (320, 20395), (330, 20410), (353, 20449), (355, 20455), (401, 20566), (445, 20653), (487, 20734), (491, 20737), (580, 20923), (608, 20986), (614, 21010), (616, 21016), (631, 21049), (668, 21130), (708, 21256), (726, 21298), (753, 21358), (764, 21391), (769, 21406), (801, 21505), (802, 21508), (805, 21520), (837, 21604), (864, 21670), (877, 21709), (879, 21715), (890, 21760), (907, 21817), (908, 21820),

Gene: Oofda_30 Start: 19067, Stop: 20854, Start Num: 150

Candidate Starts for Oofda_30:

(102, 19001), (Start: 130 @19043 has 8 MA's), (Start: 150 @19067 has 625 MA's), (245, 19205), (272, 19262), (284, 19304), (300, 19340), (320, 19379), (357, 19448), (367, 19472), (393, 19526), (467, 19676), (491, 19721), (500, 19751), (513, 19787), (536, 19838), (561, 19874), (587, 19922), (610, 19982), (667, 20111), (696, 20189), (769, 20390), (771, 20396), (802, 20492), (866, 20657), (897, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 152

Candidate Starts for Oogway_26:

(Start: 152 @21094 has 219 MA's), (Start: 173 @21115 has 4 MA's), (Start: 199 @21157 has 1 MA's), (223, 21202), (320, 21418), (347, 21463), (353, 21472), (367, 21511), (391, 21562), (393, 21565), (491, 21760), (514, 21829), (613, 22030), (614, 22033), (622, 22054), (667, 22150), (668, 22153), (670, 22159), (696, 22228), (699, 22246), (701, 22255), (714, 22285), (753, 22381), (764, 22414), (769, 22429), (815, 22570), (837, 22627), (879, 22738), (925, 22891),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 146

Candidate Starts for Opie_19:

(76, 16868), (120, 16952), (Start: 129 @16964 has 1 MA's), (Start: 146 @16985 has 7 MA's), (289, 17255), (330, 17339), (391, 17468), (415, 17540), (443, 17582), (466, 17618), (480, 17648), (490, 17672), (503, 17714), (513, 17741), (565, 17798), (568, 17804), (609, 17891), (758, 18251), (765, 18275), (771, 18293), (815, 18389), (868, 18524), (880, 18563), (881, 18566), (905, 18653), (913, 18680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 138

Candidate Starts for Optimus_35:

(Start: 138 @27884 has 76 MA's), (Start: 205 @27974 has 48 MA's), (230, 28022), (242, 28052), (292, 28181), (301, 28211), (322, 28262), (347, 28310), (360, 28346), (372, 28373), (402, 28445), (405, 28454), (411, 28475), (474, 28544), (499, 28583), (500, 28586), (505, 28601), (520, 28640), (543, 28688), (550, 28700), (554, 28706), (572, 28754), (577, 28763), (589, 28784), (597, 28802), (612, 28850), (660, 28952), (680, 29024), (698, 29069), (700, 29081), (710, 29216), (711, 29222), (712, 29246), (739, 29318), (750, 29345), (828, 29594),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 150

Candidate Starts for Orange_28:

(102, 20689), (Start: 130 @20731 has 8 MA's), (Start: 150 @20755 has 625 MA's), (Start: 193 @20797 has 3 MA's), (245, 20893), (253, 20908), (283, 20989), (284, 20992), (320, 21067), (330, 21082), (353, 21121), (355, 21127), (375, 21178), (401, 21238), (403, 21244), (445, 21325), (491, 21409), (541, 21535), (552, 21553), (568, 21580), (631, 21721), (664, 21787), (667, 21799), (668, 21802), (734, 21991), (747, 22018), (751, 22027), (757, 22048), (758, 22051), (764, 22072), (769, 22087), (778, 22111), (801, 22186), (805, 22201), (837, 22285), (877, 22390), (879, 22396), (894, 22450), (925, 22549),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 162

Candidate Starts for Oregano_20:

(87, 17251), (Start: 162 @17368 has 92 MA's), (312, 17626), (323, 17647), (355, 17701), (368, 17740), (396, 17797), (403, 17818), (526, 17989), (534, 18007), (552, 18031), (575, 18052), (603, 18094), (631, 18175), (667, 18265), (700, 18367), (701, 18370), (722, 18424), (770, 18514), (880, 18793), (882, 18802), (891, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 144

Candidate Starts for OrionPax_25:

(Start: 144 @19491 has 125 MA's), (Start: 205 @19575 has 48 MA's), (Start: 244 @19653 has 1 MA's), (279, 19740), (284, 19755), (300, 19803), (317, 19842), (359, 19929), (372, 19962), (388, 19998), (400, 20028), (402, 20034), (437, 20103), (495, 20133), (498, 20145), (499, 20148), (520, 20205), (589, 20337), (591, 20343), (614, 20409), (616, 20415), (625, 20439), (648, 20487), (662, 20511), (664, 20520), (688, 20595), (752, 20646), (758, 20661), (809, 20823), (817, 20850), (826, 20880), (868, 20985), (897, 21063), (904, 21099), (907, 21108), (916, 21141), (923, 21156),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 150

Candidate Starts for Orla_20:

(120, 15729), (Start: 140 @15756 has 9 MA's), (Start: 150 @15759 has 625 MA's), (245, 15900), (283, 15999), (300, 16050), (315, 16077), (387, 16227), (400, 16257), (409, 16284), (415, 16305), (419, 16314), (430, 16329), (458, 16359), (462, 16371), (466, 16377), (467, 16380), (474, 16395), (500, 16464), (505, 16479), (533, 16545), (582, 16587), (587, 16596), (596, 16614), (611, 16659), (649, 16743), (666, 16779), (667, 16782), (668, 16785), (673, 16800), (678, 16818), (699, 16875), (708, 16908), (765, 17004), (769, 17016), (771, 17022), (775, 17031), (786, 17043), (814, 17115), (815, 17118), (816, 17121), (821, 17136), (864, 17244), (867, 17253), (879, 17286), (880, 17295), (916,

17424), (923, 17439),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 115

Candidate Starts for Oscar_22:

(Start: 96 @16358 has 3 MA's), (Start: 112 @16388 has 26 MA's), (Start: 115 @16394 has 20 MA's), (Start: 144 @16421 has 125 MA's), (170, 16448), (237, 16562), (261, 16613), (283, 16676), (325, 16778), (330, 16784), (363, 16856), (381, 16892), (385, 16901), (401, 16940), (416, 16988), (424, 17006), (446, 17045), (459, 17063), (465, 17075), (467, 17081), (487, 17123), (492, 17129), (500, 17156), (589, 17294), (598, 17312), (602, 17324), (628, 17402), (665, 17474), (668, 17486), (685, 17534), (707, 17609), (753, 17693), (764, 17726), (766, 17732), (777, 17759), (815, 17843), (817, 17849), (834, 17894), (837, 17900), (880, 17993), (907, 18089), (929, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 162

Candidate Starts for Outis_42:

(Start: 162 @30437 has 92 MA's), (237, 30551), (363, 30818), (398, 30884), (403, 30899), (412, 30923), (413, 30926), (461, 31010), (475, 31040), (482, 31058), (498, 31091), (501, 31100), (507, 31118), (517, 31148), (531, 31172), (596, 31256), (603, 31277), (626, 31325), (648, 31364), (666, 31412), (706, 31538), (733, 31574), (797, 31685), (821, 31760), (894, 31937), (904, 31979), (923, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 139

Candidate Starts for Ovechkin_16:

(Start: 139 @14836 has 218 MA's), (207, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (282, 15097), (284, 15103), (289, 15121), (300, 15151), (353, 15256), (375, 15316), (384, 15337), (388, 15346), (398, 15370), (493, 15496), (497, 15511), (499, 15517), (512, 15553), (513, 15556), (516, 15568), (520, 15574), (543, 15622), (550, 15634), (554, 15640), (587, 15700), (592, 15712), (606, 15748), (609, 15760), (645, 15835), (648, 15844), (660, 15862), (662, 15868), (670, 15898), (751, 16003), (752, 16012), (753, 16015), (765, 16051), (792, 16129), (820, 16228), (826, 16249), (843, 16282), (858, 16312), (864, 16342), (867, 16351), (869, 16357), (878, 16372), (879, 16375), (883, 16399), (894, 16429), (899, 16441), (904, 16471), (916, 16513),

Gene: OwIsT2W_18 Start: 15174, Stop: 16883, Start Num: 139

Candidate Starts for OwIsT2W_18:

(Start: 139 @15174 has 218 MA's), (207, 15261), (Start: 233 @15306 has 2 MA's), (242, 15330), (282, 15435), (284, 15441), (289, 15459), (300, 15489), (353, 15594), (375, 15654), (379, 15663), (382, 15672), (384, 15675), (388, 15684), (398, 15708), (425, 15783), (427, 15786), (493, 15834), (497, 15849), (499, 15855), (512, 15891), (513, 15894), (516, 15906), (520, 15912), (543, 15960), (550, 15972), (554, 15978), (587, 16038), (592, 16050), (606, 16086), (609, 16098), (645, 16173), (648, 16182), (660, 16200), (662, 16206), (670, 16236), (751, 16341), (752, 16350), (753, 16353), (765, 16389), (789, 16455), (792, 16467), (820, 16566), (826, 16587), (843, 16620), (858, 16650), (864, 16680), (867, 16689), (869, 16695), (878, 16710), (879, 16713), (883, 16737), (894, 16767), (899, 16779), (904, 16809), (916, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 162

Candidate Starts for P1201_47:

(Start: 162 @34468 has 92 MA's), (284, 34690), (320, 34771), (333, 34792), (404, 34936), (469, 35071), (501, 35143), (504, 35152), (555, 35251), (571, 35266), (618, 35359), (690, 35524), (701, 35563), (765, 35668), (783, 35701), (801, 35740), (825, 35812), (850, 35866), (859, 35890), (864, 35899), (890, 35980), (916, 36070),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for P28Green_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: P3MA_18 Start: 14293, Stop: 16050, Start Num: 118

Candidate Starts for P3MA_18:

(103, 14269), (Start: 118 @14293 has 149 MA's), (198, 14386), (283, 14575), (325, 14677), (391, 14812), (394, 14818), (401, 14839), (407, 14857), (419, 14893), (430, 14917), (478, 14995), (486, 15013), (496, 15037), (509, 15079), (513, 15085), (514, 15088), (589, 15187), (628, 15298), (662, 15358), (685, 15430), (719, 15529), (722, 15538), (753, 15586), (783, 15655), (815, 15736), (821, 15754), (825, 15766), (834, 15787), (849, 15814), (858, 15835), (865, 15850), (882, 15895), (886, 15907), (891, 15925), (908, 15982),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 177

Candidate Starts for PCoral7_19:

(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (14, 15996), (19, 16071), (29, 16209), (35, 16239), (36, 16245), (48, 16377), (55, 16434), (57, 16443), (84, 16602), (Start: 141 @16704 has 4 MA's), (Start: 177 @16740 has 46 MA's), (237, 16845), (273, 16923), (291, 16983), (299, 16995), (300, 16998), (400, 17196), (405, 17211), (454, 17295), (459, 17307), (462, 17316), (465, 17319), (474, 17340), (495, 17382), (504, 17412), (617, 17595), (627, 17619), (655, 17670), (668, 17703), (687, 17763), (695, 17775), (704, 17817), (713, 17835), (766, 17970), (810, 18069), (817, 18087), (837, 18138), (866, 18198), (868, 18204), (894, 18279),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for PGHhamlin_31:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 139

Candidate Starts for PHappiness_16:

(Start: 139 @14786 has 218 MA's), (207, 14873), (Start: 233 @14918 has 2 MA's), (242, 14942), (282, 15047), (284, 15053), (289, 15071), (300, 15101), (353, 15206), (375, 15266), (384, 15287), (388, 15296), (398, 15320), (493, 15446), (497, 15461), (499, 15467), (512, 15503), (513, 15506), (516, 15518), (520, 15524), (543, 15572), (550, 15584), (554, 15590), (587, 15650), (592, 15662), (606, 15698), (609, 15710), (645, 15785), (648, 15794), (660, 15812), (662, 15818), (670, 15848), (751, 15953), (752, 15962), (753, 15965), (765, 16001), (792, 16079), (820, 16178), (826, 16199), (843, 16232), (858, 16262), (864, 16292), (867, 16301), (869, 16307), (878, 16322), (879, 16325), (882, 16346), (883, 16349), (899, 16391), (904, 16421), (916, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 139

Candidate Starts for PMC_16:

(Start: 139 @14790 has 218 MA's), (207, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (266, 15003), (282, 15051), (284, 15057), (289, 15075), (300, 15105), (324, 15159), (353, 15210), (371, 15264), (375, 15270), (379, 15279), (388, 15300), (398, 15324), (410, 15360), (411, 15366), (425, 15399), (427, 15402), (441, 15411), (467, 15426), (474, 15432), (493, 15450), (497, 15465), (499, 15471), (505, 15489), (506, 15492), (512, 15507), (516, 15522), (520, 15528), (543, 15576), (550, 15588), (554, 15594), (587, 15654), (592, 15666), (606, 15702), (609, 15714), (645, 15789), (648,

15798), (660, 15816), (662, 15822), (670, 15852), (751, 15957), (753, 15969), (765, 16005), (792, 16083), (826, 16203), (843, 16236), (858, 16266), (860, 16278), (864, 16296), (866, 16302), (867, 16305), (869, 16311), (878, 16326), (879, 16329), (882, 16350), (883, 16353), (899, 16395), (904, 16425), (916, 16467), (917, 16473),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 150

Candidate Starts for PP_37:

(24, 25235), (32, 25340), (33, 25346), (41, 25436), (46, 25478), (52, 25508), (69, 25676), (102, 25760), (Start: 130 @25802 has 8 MA's), (Start: 150 @25826 has 625 MA's), (Start: 173 @25835 has 4 MA's), (226, 25925), (Start: 244 @25961 has 1 MA's), (253, 25979), (283, 26060), (284, 26063), (320, 26138), (353, 26192), (403, 26315), (411, 26342), (445, 26396), (483, 26471), (487, 26477), (491, 26480), (541, 26606), (614, 26753), (631, 26792), (708, 26999), (719, 27020), (727, 27044), (751, 27089), (752, 27098), (753, 27101), (764, 27134), (769, 27149), (778, 27173), (781, 27185), (801, 27248), (802, 27251), (837, 27347), (852, 27368), (868, 27425), (877, 27452), (879, 27458), (882, 27476), (890, 27503), (894, 27512), (916, 27593),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 178

Candidate Starts for PSonyx_17:

(Start: 178 @17526 has 2 MA's), (284, 17751), (305, 17793), (403, 18003), (405, 18009), (463, 18114), (495, 18180), (512, 18231), (581, 18306), (668, 18510), (676, 18537), (695, 18582), (709, 18639), (817, 18852), (908, 19116), (914, 19137), (925, 19164),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for PSullivan_29:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (367, 22002), (391, 22053), (393, 22056), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 139

Candidate Starts for Pacc40_16:

(Start: 139 @14976 has 218 MA's), (207, 15063), (Start: 233 @15108 has 2 MA's), (242, 15132), (282, 15237), (284, 15243), (289, 15261), (300, 15291), (353, 15396), (375, 15456), (384, 15477), (388, 15486), (398, 15510), (493, 15636), (497, 15651), (499, 15657), (512, 15693), (513, 15696), (516, 15708), (520, 15714), (543, 15762), (550, 15774), (554, 15780), (587, 15840), (592, 15852), (606, 15888), (609, 15900), (645, 15975), (648, 15984), (660, 16002), (662, 16008), (670, 16038), (751, 16143), (752, 16152), (753, 16155), (765, 16191), (792, 16269), (820, 16368), (826, 16389), (843, 16422), (858, 16452), (864, 16482), (867, 16491), (869, 16497), (878, 16512), (879, 16515), (882, 16536), (883, 16539), (899, 16581), (904, 16611), (916, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 141

Candidate Starts for Pace1224_18:

(Start: 141 @16851 has 4 MA's), (208, 16923), (274, 17058), (298, 17133), (320, 17184), (330, 17199), (347, 17229), (351, 17235), (371, 17289), (419, 17409), (467, 17505), (470, 17514), (492, 17553), (504, 17592), (516, 17628), (548, 17673), (589, 17718), (643, 17859), (668, 17916), (685, 17964), (696, 17991), (703, 18027), (707, 18039), (742, 18081), (764, 18144), (809, 18246), (834, 18312), (902, 18486), (921, 18552),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 152

Candidate Starts for PacerPaul_27:

(Start: 152 @21373 has 219 MA's), (Start: 173 @21394 has 4 MA's), (Start: 199 @21436 has 1 MA's), (223, 21481), (320, 21697), (347, 21742), (353, 21751), (391, 21841), (393, 21844), (491, 22039),

(514, 22108), (609, 22297), (613, 22309), (614, 22312), (622, 22333), (667, 22429), (668, 22432), (670, 22438), (696, 22507), (699, 22525), (701, 22534), (714, 22564), (753, 22660), (764, 22693), (769, 22708), (815, 22849), (837, 22906), (879, 23017), (925, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 148

Candidate Starts for PackMan_30:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (727, 22967), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Padfoot_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 118

Candidate Starts for Padpat_23:

(Start: 118 @17148 has 149 MA's), (Start: 144 @17178 has 125 MA's), (245, 17337), (261, 17370), (274, 17400), (283, 17433), (287, 17445), (325, 17535), (351, 17577), (381, 17649), (385, 17658), (401, 17697), (415, 17742), (424, 17763), (426, 17766), (459, 17820), (467, 17838), (487, 17880), (492, 17886), (500, 17913), (589, 18051), (598, 18069), (609, 18111), (615, 18129), (628, 18159), (643, 18186), (685, 18291), (753, 18450), (765, 18486), (777, 18516), (786, 18525), (815, 18600), (834, 18651), (907, 18846), (917, 18885), (919, 18888), (929, 18906),

Gene: PaintedDog_18 Start: 15935, Stop: 17668, Start Num: 148

Candidate Starts for PaintedDog_18:

(Start: 148 @15935 has 18 MA's), (216, 16034), (221, 16043), (252, 16109), (264, 16133), (283, 16193), (284, 16196), (293, 16223), (371, 16403), (382, 16427), (388, 16439), (398, 16463), (493, 16589), (497, 16604), (513, 16649), (520, 16667), (609, 16853), (634, 16919), (645, 16928), (662, 16961), (752, 17105), (767, 17150), (800, 17252), (803, 17261), (807, 17279), (808, 17282), (864, 17441), (870, 17459), (878, 17495), (880, 17510), (897, 17558), (914, 17627),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 150

Candidate Starts for PainterBoy_29:

(Start: 130 @20851 has 8 MA's), (Start: 150 @20875 has 625 MA's), (253, 21028), (283, 21109), (284, 21112), (319, 21184), (320, 21187), (332, 21205), (344, 21226), (353, 21241), (355, 21247), (375, 21298), (401, 21358), (411, 21391), (445, 21445), (487, 21526), (491, 21529), (580, 21715), (614, 21802), (631, 21841), (668, 21922), (708, 22048), (740, 22111), (752, 22147), (769, 22198), (801, 22297), (817, 22345), (837, 22396), (877, 22501), (879, 22507), (894, 22561),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 138

Candidate Starts for Paito_18:

(25, 16239), (Start: 112 @16773 has 26 MA's), (Start: 138 @16782 has 76 MA's), (Start: 144 @16788 has 125 MA's), (149, 16794), (208, 16872), (237, 16926), (261, 16977), (274, 17007), (280, 17031), (320, 17133), (344, 17172), (347, 17178), (355, 17193), (371, 17238), (416, 17352), (419, 17358), (450, 17415), (467, 17454), (487, 17496), (492, 17502), (504, 17541), (548, 17622), (589, 17667),

(605, 17712), (667, 17862), (668, 17865), (677, 17895), (685, 17913), (696, 17940), (723, 18024), (733, 18033), (742, 18042), (749, 18057), (764, 18105), (769, 18120), (802, 18183), (821, 18240), (837, 18279), (858, 18321), (880, 18372), (907, 18468), (929, 18528),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Palestino_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 205

Candidate Starts for Palpatine_24:

(Start: 144 @19763 has 125 MA's), (Start: 205 @19847 has 48 MA's), (Start: 244 @19925 has 1 MA's), (279, 20012), (284, 20027), (300, 20075), (317, 20114), (359, 20201), (372, 20234), (388, 20270), (400, 20300), (402, 20306), (437, 20375), (495, 20405), (498, 20417), (499, 20420), (520, 20477), (589, 20609), (591, 20615), (614, 20681), (616, 20687), (625, 20711), (648, 20759), (662, 20783), (664, 20792), (688, 20867), (752, 20918), (758, 20933), (809, 21095), (817, 21122), (826, 21152), (868, 21257), (897, 21335), (904, 21371), (907, 21380), (916, 21413), (923, 21428),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Panamaxus_27:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 144

Candidate Starts for Panchino_18:

(Start: 144 @14966 has 125 MA's), (Start: 169 @14993 has 1 MA's), (195, 15032), (Start: 233 @15098 has 2 MA's), (236, 15110), (252, 15146), (264, 15170), (274, 15197), (279, 15218), (282, 15227), (284, 15233), (295, 15266), (371, 15440), (375, 15446), (379, 15455), (382, 15464), (388, 15476), (398, 15500), (411, 15542), (425, 15575), (493, 15626), (494, 15629), (497, 15641), (512, 15683), (516, 15698), (520, 15704), (543, 15752), (564, 15806), (587, 15830), (613, 15902), (634, 15956), (645, 15965), (648, 15974), (662, 15998), (669, 16025), (670, 16028), (751, 16133), (752, 16142), (765, 16181), (793, 16262), (808, 16319), (820, 16358), (864, 16472), (878, 16502), (879, 16505), (883, 16529), (897, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 162

Candidate Starts for PantheRoc_19:

(Start: 162 @17095 has 92 MA's), (312, 17353), (320, 17371), (323, 17374), (355, 17428), (386, 17503), (411, 17572), (414, 17581), (419, 17593), (424, 17605), (446, 17644), (462, 17671), (467, 17680), (468, 17683), (526, 17716), (568, 17773), (603, 17839), (646, 17950), (667, 18010), (700, 18112), (722, 18169), (770, 18259), (868, 18499), (891, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Paola_21:

(Start: 121 @17495 has 44 MA's), (Start: 127 @17501 has 1 MA's), (Start: 147 @17525 has 1 MA's), (Start: 181 @17558 has 32 MA's), (208, 17606), (237, 17660), (261, 17711), (283, 17774), (330,

17882), (381, 17990), (424, 18104), (426, 18107), (449, 18146), (459, 18161), (465, 18173), (467, 18179), (487, 18221), (492, 18227), (504, 18266), (513, 18290), (589, 18392), (610, 18455), (627, 18500), (685, 18635), (719, 18734), (757, 18812), (764, 18836), (766, 18842), (771, 18857), (815, 18953), (817, 18959), (882, 19112), (912, 19217), (913, 19220), (917, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 144

Candidate Starts for Paperbeatsrock_26:

(Start: 144 @20726 has 125 MA's), (Start: 205 @20810 has 48 MA's), (Start: 244 @20888 has 1 MA's), (279, 20975), (284, 20990), (300, 21038), (317, 21077), (359, 21164), (372, 21197), (388, 21233), (400, 21263), (402, 21269), (437, 21338), (495, 21368), (498, 21380), (499, 21383), (520, 21440), (589, 21572), (591, 21578), (614, 21644), (616, 21650), (625, 21674), (648, 21722), (662, 21746), (664, 21755), (688, 21830), (752, 21881), (758, 21896), (809, 22058), (817, 22085), (826, 22115), (868, 22220), (897, 22298), (904, 22334), (907, 22343), (916, 22376), (923, 22391),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 173

Candidate Starts for Papez_29:

(Start: 152 @22810 has 219 MA's), (Start: 173 @22831 has 4 MA's), (Start: 199 @22873 has 1 MA's), (223, 22918), (320, 23134), (347, 23179), (353, 23188), (367, 23227), (391, 23278), (393, 23281), (491, 23476), (514, 23545), (613, 23746), (614, 23749), (622, 23770), (667, 23866), (668, 23869), (670, 23875), (696, 23944), (699, 23962), (701, 23971), (714, 24001), (753, 24097), (764, 24130), (769, 24145), (815, 24286), (837, 24343), (879, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 152

Candidate Starts for Paphu_26:

(Start: 150 @20883 has 625 MA's), (Start: 152 @20886 has 219 MA's), (Start: 173 @20907 has 4 MA's), (Start: 199 @20949 has 1 MA's), (223, 20994), (320, 21210), (347, 21255), (353, 21264), (367, 21303), (391, 21354), (393, 21357), (491, 21552), (514, 21621), (613, 21822), (614, 21825), (622, 21846), (667, 21942), (668, 21945), (670, 21951), (696, 22020), (699, 22038), (701, 22047), (714, 22077), (753, 22173), (764, 22206), (769, 22221), (815, 22362), (837, 22419), (879, 22530), (925, 22683),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 174

Candidate Starts for Parada_22:

(Start: 106 @17269 has 2 MA's), (Start: 174 @17344 has 18 MA's), (230, 17437), (237, 17452), (241, 17458), (274, 17533), (295, 17605), (348, 17716), (367, 17761), (375, 17779), (381, 17791), (465, 17962), (468, 17971), (470, 17977), (487, 18010), (510, 18073), (535, 18124), (568, 18148), (587, 18172), (613, 18247), (628, 18286), (681, 18418), (722, 18532), (764, 18619), (814, 18733), (817, 18742), (864, 18847), (895, 18934), (929, 19042),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 152

Candidate Starts for Paraselene_26:

(Start: 152 @21257 has 219 MA's), (Start: 173 @21278 has 4 MA's), (Start: 199 @21320 has 1 MA's), (223, 21365), (320, 21581), (347, 21626), (353, 21635), (367, 21674), (391, 21725), (393, 21728), (491, 21923), (514, 21992), (613, 22193), (614, 22196), (622, 22217), (667, 22313), (668, 22316), (670, 22322), (696, 22391), (699, 22409), (701, 22418), (714, 22448), (753, 22544), (764, 22577), (769, 22592), (815, 22733), (837, 22790), (879, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 152

Candidate Starts for Pari_28:

(Start: 152 @20846 has 219 MA's), (Start: 173 @20867 has 4 MA's), (Start: 199 @20909 has 1 MA's), (223, 20954), (320, 21170), (347, 21215), (353, 21224), (391, 21314), (393, 21317), (430, 21410), (491, 21512), (514, 21581), (609, 21770), (613, 21782), (614, 21785), (622, 21806), (667, 21902), (668, 21905), (670, 21911), (696, 21980), (699, 21998), (701, 22007), (714, 22037), (753, 22133),

(764, 22166), (769, 22181), (815, 22322), (837, 22379), (879, 22490), (925, 22643),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 105

Candidate Starts for Paries_37:

(97, 31391), (Start: 105 @31409 has 84 MA's), (Start: 129 @31445 has 1 MA's), (226, 31583), (272, 31679), (275, 31688), (296, 31757), (320, 31808), (347, 31853), (355, 31868), (391, 31949), (407, 31994), (410, 32003), (466, 32093), (480, 32123), (487, 32138), (495, 32162), (504, 32192), (585, 32297), (631, 32414), (641, 32432), (647, 32447), (664, 32477), (667, 32489), (668, 32492), (676, 32519), (814, 32840), (815, 32843), (816, 32846), (834, 32894), (852, 32921), (860, 32948), (877, 33002), (882, 33026), (883, 33029), (908, 33119), (925, 33167),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 152

Candidate Starts for Parliament_26:

(Start: 152 @21181 has 219 MA's), (Start: 173 @21202 has 4 MA's), (Start: 199 @21244 has 1 MA's), (223, 21289), (320, 21505), (347, 21550), (353, 21559), (391, 21649), (393, 21652), (401, 21676), (430, 21745), (491, 21847), (514, 21916), (609, 22105), (613, 22117), (614, 22120), (622, 22141), (667, 22237), (668, 22240), (670, 22246), (696, 22315), (699, 22333), (701, 22342), (714, 22372), (753, 22468), (764, 22501), (769, 22516), (815, 22657), (837, 22714), (879, 22825),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Parmesanjohn_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 181

Candidate Starts for Partridge_23:

(Start: 168 @16367 has 10 MA's), (Start: 181 @16382 has 32 MA's), (220, 16451), (241, 16487), (320, 16673), (383, 16802), (401, 16844), (407, 16862), (410, 16871), (Start: 417 @16895 has 1 MA's), (430, 16913), (458, 16943), (465, 16958), (466, 16961), (483, 17000), (491, 17009), (520, 17093), (608, 17210), (614, 17234), (667, 17348), (696, 17426), (704, 17465), (708, 17477), (715, 17486), (743, 17507), (769, 17585), (831, 17732), (871, 17831), (877, 17846), (923, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 152

Candidate Starts for PascalRango_26:

(Start: 152 @20874 has 219 MA's), (Start: 173 @20895 has 4 MA's), (Start: 199 @20937 has 1 MA's), (223, 20982), (320, 21198), (347, 21243), (353, 21252), (367, 21291), (391, 21342), (393, 21345), (430, 21438), (491, 21540), (514, 21609), (613, 21810), (614, 21813), (622, 21834), (667, 21930), (668, 21933), (670, 21939), (696, 22008), (699, 22026), (701, 22035), (714, 22065), (753, 22161), (764, 22194), (769, 22209), (815, 22350), (837, 22407), (879, 22518),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 144

Candidate Starts for Pat3_23:

(Start: 144 @18472 has 125 MA's), (Start: 205 @18556 has 48 MA's), (Start: 244 @18634 has 1 MA's), (279, 18721), (284, 18736), (300, 18784), (317, 18823), (359, 18910), (372, 18943), (388, 18979), (400, 19009), (402, 19015), (437, 19084), (495, 19114), (498, 19126), (499, 19129), (520, 19186), (589, 19318), (591, 19324), (614, 19390), (616, 19396), (625, 19420), (648, 19468), (662, 19492), (664, 19501), (688, 19576), (752, 19627), (758, 19642), (809, 19804), (817, 19831), (826, 19861), (868, 19966), (897, 20044), (904, 20080), (907, 20089), (916, 20122), (923, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 162

Candidate Starts for Patio_44:

(Start: 162 @30694 has 92 MA's), (237, 30811), (273, 30889), (355, 31051), (358, 31063), (363, 31078), (398, 31144), (403, 31159), (461, 31270), (475, 31300), (477, 31303), (501, 31360), (517, 31408), (531, 31432), (603, 31537), (648, 31624), (666, 31672), (706, 31798), (707, 31801), (733, 31834), (756, 31861), (766, 31891), (821, 32020), (837, 32059), (883, 32164), (902, 32227), (904, 32239), (908, 32251), (910, 32260), (923, 32296),

Gene: PatoPoderoso_16 Start: 14843, Stop: 16552, Start Num: 139

Candidate Starts for PatoPoderoso_16:

(Start: 139 @14843 has 218 MA's), (207, 14930), (Start: 233 @14975 has 2 MA's), (242, 14999), (282, 15104), (284, 15110), (289, 15128), (300, 15158), (353, 15263), (375, 15323), (384, 15344), (388, 15353), (396, 15371), (398, 15377), (493, 15503), (497, 15518), (499, 15524), (512, 15560), (513, 15563), (516, 15575), (520, 15581), (543, 15629), (550, 15641), (554, 15647), (587, 15707), (592, 15719), (606, 15755), (609, 15767), (645, 15842), (648, 15851), (660, 15869), (662, 15875), (670, 15905), (751, 16010), (752, 16019), (753, 16022), (765, 16058), (792, 16136), (820, 16235), (826, 16256), (843, 16289), (858, 16319), (864, 16349), (867, 16358), (869, 16364), (878, 16379), (879, 16382), (883, 16406), (894, 16436), (899, 16448), (904, 16478), (916, 16520),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 118

Candidate Starts for Patt_24:

(Start: 96 @18325 has 3 MA's), (Start: 112 @18355 has 26 MA's), (Start: 115 @18361 has 20 MA's), (Start: 118 @18364 has 149 MA's), (Start: 181 @18421 has 32 MA's), (208, 18469), (230, 18508), (237, 18523), (245, 18541), (261, 18574), (274, 18604), (287, 18649), (294, 18667), (325, 18739), (330, 18745), (347, 18775), (348, 18778), (375, 18841), (381, 18853), (433, 18988), (465, 19036), (467, 19042), (476, 19060), (492, 19090), (504, 19129), (589, 19255), (609, 19315), (610, 19318), (623, 19351), (685, 19519), (701, 19573), (719, 19618), (744, 19663), (753, 19687), (764, 19720), (777, 19753), (786, 19762), (810, 19825), (815, 19837), (834, 19888), (837, 19894), (882, 19996), (917, 20122), (929, 20143),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 152

Candidate Starts for PattyP_29:

(Start: 152 @21382 has 219 MA's), (Start: 173 @21403 has 4 MA's), (Start: 199 @21445 has 1 MA's), (223, 21490), (320, 21706), (347, 21751), (353, 21760), (367, 21799), (391, 21850), (393, 21853), (491, 22048), (514, 22117), (613, 22318), (614, 22321), (622, 22342), (667, 22438), (668, 22441), (670, 22447), (696, 22516), (699, 22534), (701, 22543), (714, 22573), (753, 22669), (764, 22702), (769, 22717), (815, 22858), (837, 22915), (879, 23026),

Gene: Pawn_29 Start: 20460, Stop: 22256, Start Num: 150

Candidate Starts for Pawn_29:

(Start: 150 @20460 has 625 MA's), (Start: 199 @20517 has 1 MA's), (208, 20532), (237, 20586), (Start: 244 @20601 has 1 MA's), (279, 20688), (283, 20700), (284, 20703), (320, 20778), (330, 20793), (445, 21036), (514, 21189), (562, 21276), (608, 21369), (613, 21390), (622, 21414), (627, 21426), (631, 21432), (668, 21513), (696, 21588), (699, 21606), (701, 21615), (708, 21639), (714, 21645), (719, 21660), (727, 21684), (752, 21738), (753, 21741), (761, 21762), (877, 22092), (879, 22098), (916, 22233),

Gene: Payneful_27 Start: 20630, Stop: 22432, Start Num: 152

Candidate Starts for Payneful_27:

(Start: 152 @20630 has 219 MA's), (Start: 173 @20651 has 4 MA's), (Start: 199 @20693 has 1 MA's), (223, 20738), (320, 20954), (347, 20999), (353, 21008), (367, 21047), (391, 21098), (393, 21101), (491, 21296), (514, 21365), (613, 21566), (614, 21569), (622, 21590), (667, 21686), (668, 21689),

(670, 21695), (696, 21764), (699, 21782), (701, 21791), (714, 21821), (753, 21917), (764, 21950), (769, 21965), (815, 22106), (837, 22163), (879, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 150

Candidate Starts for PeaceMeal1_26:

(Start: 130 @17866 has 8 MA's), (Start: 150 @17890 has 625 MA's), (Start: 199 @17947 has 1 MA's), (208, 17962), (237, 18016), (283, 18130), (284, 18133), (320, 18208), (344, 18247), (401, 18379), (445, 18466), (483, 18541), (500, 18580), (514, 18619), (562, 18706), (587, 18751), (613, 18820), (622, 18844), (627, 18856), (631, 18862), (699, 19036), (701, 19045), (708, 19069), (714, 19075), (719, 19090), (743, 19123), (761, 19174), (780, 19231), (781, 19237), (837, 19399), (877, 19504), (879, 19510), (880, 19519), (916, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 150

Candidate Starts for Peaches_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19883 has 1 MA's), (230, 19937), (237, 19952), (245, 19970), (279, 20054), (283, 20066), (284, 20069), (320, 20144), (330, 20159), (353, 20198), (401, 20315), (445, 20402), (487, 20483), (505, 20531), (514, 20555), (562, 20642), (587, 20687), (614, 20759), (622, 20780), (631, 20798), (668, 20879), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (722, 21035), (753, 21089), (761, 21110), (778, 21161), (787, 21185), (802, 21239), (837, 21335), (877, 21440), (880, 21455), (911, 21563), (916, 21581),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Peanam_23:

(Start: 112 @16505 has 26 MA's), (Start: 118 @16514 has 149 MA's), (Start: 121 @16520 has 44 MA's), (Start: 144 @16544 has 125 MA's), (Start: 181 @16583 has 32 MA's), (230, 16670), (237, 16685), (245, 16703), (261, 16736), (274, 16766), (325, 16901), (347, 16937), (381, 17015), (385, 17024), (424, 17129), (426, 17132), (449, 17171), (465, 17198), (467, 17204), (487, 17246), (492, 17252), (500, 17279), (589, 17417), (598, 17435), (628, 17525), (643, 17552), (662, 17585), (685, 17657), (701, 17711), (716, 17747), (724, 17771), (753, 17816), (764, 17849), (769, 17864), (777, 17882), (786, 17891), (815, 17966), (834, 18017), (837, 18023), (882, 18125), (917, 18251), (919, 18254), (929, 18272),

Gene: PeanutPie_19 Start: 16392, Stop: 18128, Start Num: 134

Candidate Starts for PeanutPie_19:

(Start: 116 @16368 has 3 MA's), (Start: 134 @16392 has 48 MA's), (184, 16452), (195, 16473), (197, 16476), (259, 16596), (274, 16635), (283, 16668), (292, 16692), (342, 16812), (359, 16851), (360, 16857), (396, 16941), (398, 16947), (402, 16959), (410, 16983), (420, 17010), (437, 17028), (480, 17067), (493, 17073), (500, 17097), (520, 17151), (526, 17163), (531, 17172), (560, 17232), (597, 17310), (609, 17349), (621, 17382), (648, 17448), (659, 17463), (662, 17472), (668, 17496), (676, 17526), (680, 17538), (763, 17640), (767, 17652), (768, 17655), (770, 17661), (774, 17670), (807, 17778), (836, 17862), (874, 17961), (907, 18069), (923, 18117),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Peeb_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (208, 16739), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Peel_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 152

Candidate Starts for Pelly_28:

(Start: 152 @21801 has 219 MA's), (Start: 173 @21822 has 4 MA's), (Start: 199 @21864 has 1 MA's), (223, 21909), (320, 22125), (347, 22170), (353, 22179), (367, 22218), (391, 22269), (393, 22272), (491, 22467), (514, 22536), (613, 22737), (614, 22740), (622, 22761), (667, 22857), (668, 22860), (670, 22866), (696, 22935), (699, 22953), (701, 22962), (714, 22992), (753, 23088), (764, 23121), (769, 23136), (780, 23166), (815, 23277), (837, 23334), (879, 23445),

Gene: Pemberton_45 Start: 27895, Stop: 29499, Start Num: 174

Candidate Starts for Pemberton_45:

(Start: 162 @27883 has 92 MA's), (Start: 171 @27892 has 1 MA's), (Start: 174 @27895 has 18 MA's), (Start: 190 @27919 has 1 MA's), (237, 27997), (320, 28180), (355, 28237), (358, 28249), (363, 28264), (398, 28330), (403, 28345), (412, 28369), (461, 28456), (464, 28462), (475, 28486), (501, 28546), (511, 28576), (519, 28597), (596, 28702), (603, 28723), (648, 28810), (666, 28858), (706, 28984), (733, 29020), (814, 29185), (820, 29203), (834, 29239), (902, 29413), (904, 29425), (923, 29482),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 150

Candidate Starts for Pembroke_29:

(Start: 150 @20380 has 625 MA's), (Start: 199 @20437 has 1 MA's), (208, 20452), (226, 20485), (237, 20506), (Start: 244 @20521 has 1 MA's), (279, 20608), (283, 20620), (284, 20623), (320, 20698), (330, 20713), (351, 20749), (445, 20956), (500, 21070), (514, 21109), (562, 21196), (613, 21310), (622, 21334), (631, 21352), (668, 21433), (696, 21508), (699, 21526), (708, 21559), (714, 21565), (727, 21604), (752, 21658), (753, 21661), (761, 21682), (780, 21739), (837, 21907), (877, 22012), (879, 22018), (916, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for Penny1_29:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 152

Candidate Starts for Pepe_28:

(Start: 152 @21983 has 219 MA's), (Start: 173 @22004 has 4 MA's), (Start: 199 @22046 has 1 MA's), (223, 22091), (320, 22307), (347, 22352), (353, 22361), (367, 22400), (391, 22451), (393, 22454), (491, 22649), (514, 22718), (613, 22919), (614, 22922), (622, 22943), (667, 23039), (668, 23042), (670, 23048), (696, 23117), (699, 23135), (701, 23144), (714, 23174), (753, 23270), (764, 23303), (769, 23318), (815, 23459), (837, 23516), (879, 23627),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 165

Candidate Starts for Pepperoni_17:

(79, 14879), (Start: 165 @15014 has 39 MA's), (271, 15203), (272, 15206), (299, 15281), (330, 15335), (363, 15404), (403, 15494), (404, 15497), (467, 15629), (495, 15683), (524, 15764), (568, 15824), (575, 15830), (614, 15911), (648, 15989), (659, 16007), (668, 16046), (696, 16118), (697, 16121), (700, 16142), (810, 16376), (816, 16391), (831, 16433), (867, 16526), (868, 16529), (882, 16577), (891, 16607),

Gene: Peridot_18 Start: 14615, Stop: 16324, Start Num: 139

Candidate Starts for Peridot_18:

(Start: 139 @14615 has 218 MA's), (207, 14702), (Start: 233 @14747 has 2 MA's), (242, 14771), (282, 14876), (284, 14882), (289, 14900), (300, 14930), (353, 15035), (375, 15095), (384, 15116), (388, 15125), (398, 15149), (493, 15275), (497, 15290), (499, 15296), (512, 15332), (513, 15335), (516, 15347), (520, 15353), (543, 15401), (550, 15413), (554, 15419), (587, 15479), (592, 15491), (606, 15527), (609, 15539), (645, 15614), (648, 15623), (660, 15641), (662, 15647), (670, 15677), (751, 15782), (752, 15791), (753, 15794), (765, 15830), (792, 15908), (820, 16007), (826, 16028), (843, 16061), (858, 16091), (864, 16121), (867, 16130), (869, 16136), (878, 16151), (879, 16154), (883, 16178), (894, 16208), (899, 16220), (904, 16250), (916, 16292),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Periodt_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 150

Candidate Starts for Periwinkle_22:

(120, 16854), (Start: 150 @16893 has 625 MA's), (Start: 160 @16905 has 22 MA's), (213, 16983), (226, 17004), (249, 17052), (255, 17061), (273, 17103), (283, 17139), (305, 17196), (315, 17217), (330, 17244), (345, 17271), (401, 17400), (430, 17469), (443, 17487), (455, 17496), (458, 17502), (480, 17550), (492, 17580), (503, 17616), (505, 17622), (513, 17643), (514, 17646), (540, 17697), (582, 17727), (596, 17754), (606, 17781), (633, 17853), (659, 17892), (677, 17946), (695, 17988), (720, 18063), (757, 18126), (765, 18153), (766, 18156), (771, 18171), (810, 18255), (814, 18264), (815, 18267), (817, 18273), (821, 18285), (822, 18288), (835, 18318), (838, 18324), (852, 18345), (853, 18348), (868, 18402), (879, 18432), (880, 18441), (896, 18492), (904, 18525), (908, 18537), (913, 18555),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 150

Candidate Starts for Perplexer_27:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 155 @19829 has 12 MA's), (Start: 199 @19883 has 1 MA's), (237, 19952), (273, 20030), (279, 20054), (284, 20069), (300, 20105), (320, 20144), (330, 20159), (393, 20291), (401, 20315), (445, 20402), (500, 20516), (514, 20555), (562, 20642), (587, 20687), (613, 20756), (622, 20780), (627, 20792), (668, 20879), (696, 20954), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (719, 21026), (734, 21059), (752, 21104), (753, 21107), (761, 21128), (837, 21353), (868, 21431), (877, 21458), (879, 21464), (916, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 152

Candidate Starts for Perseus_28:

(Start: 152 @21723 has 219 MA's), (Start: 173 @21744 has 4 MA's), (Start: 199 @21786 has 1 MA's), (223, 21831), (320, 22047), (347, 22092), (353, 22101), (367, 22140), (391, 22191), (393, 22194), (415, 22263), (491, 22389), (514, 22458), (613, 22659), (614, 22662), (622, 22683), (667, 22779),

(668, 22782), (670, 22788), (696, 22857), (699, 22875), (701, 22884), (714, 22914), (753, 23010), (764, 23043), (769, 23058), (815, 23199), (837, 23256), (879, 23367), (925, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for PeterPeter_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (375, 20256), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Petersenfast_27 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Petersenfast_27:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (375, 21175), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 152

Candidate Starts for Peterson_30:

(Start: 152 @23011 has 219 MA's), (Start: 173 @23032 has 4 MA's), (Start: 199 @23074 has 1 MA's), (223, 23119), (320, 23335), (347, 23380), (353, 23389), (367, 23428), (391, 23479), (393, 23482), (401, 23506), (491, 23677), (514, 23746), (609, 23935), (613, 23947), (614, 23950), (622, 23971), (667, 24067), (668, 24070), (670, 24076), (696, 24145), (699, 24163), (701, 24172), (714, 24202), (753, 24298), (764, 24331), (769, 24346), (815, 24487), (837, 24544), (879, 24655), (925, 24808),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 165

Candidate Starts for PeteyPab_33:

(Start: 165 @29327 has 39 MA's), (241, 29426), (273, 29495), (284, 29534), (354, 29669), (378, 29729), (464, 29882), (469, 29894), (473, 29903), (475, 29906), (496, 29951), (501, 29966), (504, 29975), (507, 29984), (531, 30038), (539, 30056), (586, 30110), (681, 30326), (718, 30419), (783, 30527), (805, 30581), (833, 30656), (884, 30785), (922, 30911),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 150

Candidate Starts for PetiteSangsue_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 155 @19832 has 12 MA's), (Start: 199 @19886 has 1 MA's), (237, 19955), (279, 20057), (284, 20072), (300, 20108), (320, 20147), (330, 20162), (353, 20201), (393, 20294), (401, 20318), (445, 20405), (500, 20519), (514, 20558), (562, 20645), (587, 20690), (613, 20759), (622, 20783), (627, 20795), (668, 20882), (696, 20957), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (719, 21029), (734, 21062), (752, 21107), (753, 21110), (761, 21131), (837, 21356), (868, 21434), (877, 21461), (879, 21467), (916, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 152

Candidate Starts for Petp2012_29:

(Start: 152 @22053 has 219 MA's), (Start: 173 @22074 has 4 MA's), (Start: 199 @22116 has 1 MA's), (223, 22161), (320, 22377), (347, 22422), (353, 22431), (367, 22470), (391, 22521), (393, 22524), (491, 22719), (514, 22788), (613, 22989), (614, 22992), (622, 23013), (667, 23109), (668, 23112),

(670, 23118), (696, 23187), (699, 23205), (701, 23214), (714, 23244), (753, 23340), (764, 23373), (769, 23388), (815, 23529), (837, 23586), (879, 23697),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 177

Candidate Starts for Petra_21:

(Start: 141 @17015 has 4 MA's), (Start: 177 @17051 has 46 MA's), (237, 17153), (273, 17231), (299, 17303), (316, 17330), (338, 17369), (367, 17429), (377, 17450), (400, 17504), (405, 17519), (415, 17552), (447, 17600), (454, 17603), (495, 17690), (504, 17720), (617, 17903), (627, 17927), (668, 18011), (687, 18071), (695, 18083), (713, 18143), (766, 18278), (810, 18377), (817, 18395), (837, 18446), (866, 18506), (868, 18512), (889, 18575), (894, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 205

Candidate Starts for Petra64142_26:

(Start: 144 @20206 has 125 MA's), (Start: 205 @20290 has 48 MA's), (Start: 244 @20368 has 1 MA's), (279, 20455), (284, 20470), (300, 20518), (317, 20557), (359, 20644), (372, 20677), (388, 20713), (400, 20743), (402, 20749), (437, 20818), (495, 20848), (498, 20860), (499, 20863), (520, 20920), (589, 21052), (591, 21058), (614, 21124), (616, 21130), (625, 21154), (648, 21202), (662, 21226), (664, 21235), (688, 21310), (752, 21361), (758, 21376), (809, 21538), (817, 21565), (826, 21595), (868, 21700), (897, 21778), (904, 21814), (907, 21823), (916, 21856), (923, 21871),

Gene: Petruchio_28 Start: 21511, Stop: 23313, Start Num: 152

Candidate Starts for Petruchio_28:

(Start: 152 @21511 has 219 MA's), (Start: 173 @21532 has 4 MA's), (Start: 199 @21574 has 1 MA's), (223, 21619), (320, 21835), (347, 21880), (353, 21889), (367, 21928), (391, 21979), (393, 21982), (491, 22177), (514, 22246), (613, 22447), (614, 22450), (622, 22471), (667, 22567), (668, 22570), (696, 22645), (699, 22663), (701, 22672), (714, 22702), (753, 22798), (764, 22831), (769, 22846), (780, 22876), (815, 22987), (837, 23044), (879, 23155),

Gene: PetterN_25 Start: 18946, Stop: 20745, Start Num: 150

Candidate Starts for PetterN_25:

(Start: 150 @18946 has 625 MA's), (284, 19183), (320, 19258), (330, 19273), (351, 19309), (381, 19381), (387, 19396), (401, 19429), (403, 19435), (500, 19630), (509, 19660), (513, 19666), (562, 19756), (587, 19801), (613, 19870), (631, 19912), (640, 19930), (667, 19990), (668, 19993), (699, 20086), (752, 20227), (764, 20263), (766, 20269), (876, 20578), (879, 20587), (916, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 150

Candidate Starts for Ph8s_29:

(102, 18853), (Start: 130 @18895 has 8 MA's), (Start: 150 @18919 has 625 MA's), (195, 18964), (204, 18979), (253, 19072), (283, 19153), (284, 19156), (319, 19228), (320, 19231), (330, 19246), (353, 19285), (355, 19291), (401, 19402), (403, 19408), (411, 19435), (445, 19489), (487, 19570), (562, 19729), (580, 19759), (616, 19852), (631, 19885), (660, 19936), (668, 19966), (708, 20092), (747, 20173), (751, 20182), (764, 20227), (769, 20242), (778, 20266), (801, 20341), (802, 20344), (805, 20356), (837, 20440), (877, 20545), (894, 20605), (916, 20686),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 150

Candidate Starts for Phabuloso_20:

(120, 16383), (Start: 150 @16422 has 625 MA's), (Start: 160 @16434 has 22 MA's), (191, 16473), (213, 16512), (226, 16533), (249, 16581), (255, 16590), (273, 16632), (283, 16668), (305, 16725), (330, 16773), (345, 16800), (405, 16941), (430, 16998), (443, 17016), (455, 17025), (458, 17031), (492, 17109), (503, 17145), (505, 17151), (513, 17172), (514, 17175), (540, 17226), (581, 17253), (582, 17256), (596, 17283), (606, 17310), (633, 17382), (659, 17421), (677, 17475), (695, 17517), (720, 17592), (757, 17655), (765, 17682), (766, 17685), (771, 17700), (810, 17784), (814, 17793), (815, 17796), (817, 17802), (821, 17814), (822, 17817), (835, 17847), (838, 17853), (852, 17874),

(853, 17877), (868, 17931), (879, 17961), (880, 17970), (896, 18021), (904, 18054), (908, 18066), (913, 18084),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 150

Candidate Starts for Phacado_27:

(Start: 130 @19802 has 8 MA's), (Start: 150 @19826 has 625 MA's), (Start: 199 @19883 has 1 MA's), (230, 19937), (237, 19952), (245, 19970), (279, 20054), (283, 20066), (284, 20069), (320, 20144), (330, 20159), (353, 20198), (401, 20315), (445, 20402), (487, 20483), (505, 20531), (514, 20555), (562, 20642), (587, 20687), (614, 20759), (622, 20780), (631, 20798), (668, 20879), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (722, 21035), (753, 21089), (761, 21110), (778, 21161), (787, 21185), (802, 21239), (837, 21335), (877, 21440), (880, 21455), (911, 21563), (916, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 150

Candidate Starts for Phaded_31:

(Start: 130 @22111 has 8 MA's), (Start: 150 @22135 has 625 MA's), (Start: 244 @22270 has 1 MA's), (253, 22288), (283, 22369), (284, 22372), (319, 22444), (320, 22447), (375, 22558), (387, 22585), (401, 22618), (415, 22663), (445, 22705), (491, 22789), (562, 22945), (581, 22978), (664, 23167), (668, 23182), (708, 23308), (714, 23314), (764, 23425), (769, 23440), (771, 23446), (778, 23464), (790, 23500), (801, 23539), (805, 23554), (837, 23638), (877, 23743), (879, 23749), (882, 23767), (890, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 148

Candidate Starts for Phaeder_30:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (727, 22967), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 181

Candidate Starts for PhailMary_22:

(Start: 168 @16656 has 10 MA's), (Start: 181 @16671 has 32 MA's), (220, 16740), (241, 16776), (320, 16962), (383, 17091), (401, 17133), (407, 17151), (410, 17160), (Start: 417 @17184 has 1 MA's), (430, 17202), (458, 17232), (465, 17247), (466, 17250), (483, 17289), (491, 17298), (520, 17382), (580, 17436), (587, 17451), (608, 17499), (614, 17523), (667, 17637), (696, 17715), (704, 17754), (708, 17766), (715, 17775), (743, 17796), (769, 17874), (831, 18021), (871, 18120), (877, 18135), (923, 18288),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 205

Candidate Starts for Phaja_24:

(Start: 144 @19922 has 125 MA's), (Start: 205 @20006 has 48 MA's), (Start: 244 @20084 has 1 MA's), (279, 20171), (284, 20186), (300, 20234), (317, 20273), (359, 20360), (372, 20393), (388, 20429), (400, 20459), (402, 20465), (437, 20534), (495, 20564), (498, 20576), (499, 20579), (520, 20636), (589, 20768), (591, 20774), (614, 20840), (616, 20846), (625, 20870), (648, 20918), (662, 20942), (664, 20951), (688, 21026), (752, 21077), (758, 21092), (809, 21254), (817, 21281), (826, 21311), (868, 21416), (897, 21494), (904, 21530), (907, 21539), (916, 21572), (923, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 139

Candidate Starts for Phalconet_16:

(Start: 139 @14857 has 218 MA's), (207, 14944), (Start: 233 @14989 has 2 MA's), (242, 15013), (282, 15118), (284, 15124), (289, 15142), (300, 15172), (353, 15277), (375, 15337), (384, 15358), (388, 15367), (398, 15391), (493, 15517), (497, 15532), (499, 15538), (512, 15574), (513, 15577), (516,

15589), (520, 15595), (543, 15643), (550, 15655), (554, 15661), (587, 15721), (592, 15733), (606, 15769), (609, 15781), (645, 15856), (648, 15865), (660, 15883), (662, 15889), (670, 15919), (751, 16024), (752, 16033), (753, 16036), (765, 16072), (792, 16150), (820, 16249), (826, 16270), (843, 16303), (864, 16363), (867, 16372), (869, 16378), (878, 16393), (879, 16396), (883, 16420), (894, 16450), (899, 16462), (904, 16492), (916, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for Phalm_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 144

Candidate Starts for PhancyPhin_18:

(Start: 144 @14990 has 125 MA's), (Start: 169 @15017 has 1 MA's), (195, 15056), (Start: 233 @15122 has 2 MA's), (236, 15134), (252, 15170), (264, 15194), (274, 15221), (279, 15242), (282, 15251), (284, 15257), (295, 15290), (371, 15464), (375, 15470), (379, 15479), (382, 15488), (388, 15500), (398, 15524), (411, 15566), (425, 15599), (493, 15650), (494, 15653), (497, 15665), (512, 15707), (516, 15722), (520, 15728), (543, 15776), (564, 15830), (587, 15854), (613, 15926), (634, 15980), (645, 15989), (648, 15998), (662, 16022), (669, 16049), (670, 16052), (751, 16157), (752, 16166), (765, 16205), (793, 16286), (808, 16343), (820, 16382), (864, 16496), (878, 16526), (879, 16529), (883, 16553), (897, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 139

Candidate Starts for Phanphagia_16:

(Start: 139 @14859 has 218 MA's), (207, 14946), (Start: 233 @14991 has 2 MA's), (242, 15015), (282, 15120), (284, 15126), (289, 15144), (300, 15174), (353, 15279), (375, 15339), (384, 15360), (388, 15369), (398, 15393), (425, 15468), (427, 15471), (493, 15519), (497, 15534), (499, 15540), (512, 15576), (513, 15579), (516, 15591), (520, 15597), (543, 15645), (550, 15657), (554, 15663), (587, 15723), (592, 15735), (606, 15771), (609, 15783), (645, 15858), (648, 15867), (660, 15885), (662, 15891), (670, 15921), (751, 16026), (752, 16035), (753, 16038), (765, 16074), (792, 16152), (820, 16251), (826, 16272), (843, 16305), (858, 16335), (864, 16365), (867, 16374), (869, 16380), (878, 16395), (879, 16398), (883, 16422), (894, 16452), (899, 16464), (904, 16494), (916, 16536),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 150

Candidate Starts for Phantastic_27:

(Start: 150 @19872 has 625 MA's), (Start: 199 @19929 has 1 MA's), (237, 19998), (279, 20100), (283, 20112), (284, 20115), (320, 20190), (353, 20244), (407, 20379), (445, 20448), (500, 20562), (562, 20688), (613, 20802), (622, 20826), (631, 20844), (668, 20925), (696, 21000), (699, 21018), (701, 21027), (714, 21057), (719, 21072), (727, 21096), (734, 21105), (752, 21150), (753, 21153), (761, 21174), (764, 21186), (837, 21399), (853, 21423), (877, 21504), (879, 21510), (916, 21645),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 150

Candidate Starts for Pharaoh_28:

(Start: 130 @21232 has 8 MA's), (Start: 150 @21256 has 625 MA's), (253, 21409), (255, 21412), (283, 21490), (284, 21493), (298, 21523), (319, 21565), (320, 21568), (330, 21583), (353, 21622), (355, 21628), (375, 21679), (401, 21739), (411, 21772), (445, 21826), (487, 21907), (491, 21910), (552, 22054), (580, 22096), (631, 22222), (668, 22303), (708, 22429), (726, 22471), (753, 22531), (764, 22564), (769, 22579), (771, 22585), (790, 22639), (801, 22678), (805, 22693), (837, 22777), (879,

22888), (890, 22933), (916, 23023),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 118

Candidate Starts for Pharb_22:

(Start: 112 @17418 has 26 MA's), (Start: 115 @17424 has 20 MA's), (Start: 118 @17427 has 149 MA's), (Start: 138 @17439 has 76 MA's), (206, 17529), (237, 17586), (261, 17637), (274, 17667), (280, 17691), (385, 17931), (391, 17943), (426, 18039), (459, 18093), (467, 18111), (492, 18159), (504, 18198), (516, 18234), (609, 18384), (610, 18387), (622, 18417), (651, 18474), (685, 18567), (701, 18621), (722, 18675), (748, 18705), (753, 18723), (769, 18771), (785, 18795), (799, 18822), (817, 18879), (834, 18924), (880, 19026), (907, 19122), (913, 19143), (917, 19161), (921, 19167), (929, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 144

Candidate Starts for Pharsalus_25:

(Start: 144 @20526 has 125 MA's), (Start: 205 @20610 has 48 MA's), (Start: 244 @20688 has 1 MA's), (279, 20775), (284, 20790), (300, 20838), (317, 20877), (359, 20964), (372, 20997), (388, 21033), (400, 21063), (402, 21069), (437, 21138), (495, 21168), (498, 21180), (499, 21183), (520, 21240), (589, 21372), (591, 21378), (614, 21444), (616, 21450), (625, 21474), (648, 21522), (662, 21546), (664, 21555), (688, 21630), (752, 21681), (758, 21696), (809, 21858), (817, 21885), (826, 21915), (868, 22020), (897, 22098), (904, 22134), (907, 22143), (916, 22176), (923, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 139

Candidate Starts for Phasih_17:

(Start: 139 @15342 has 218 MA's), (207, 15429), (Start: 233 @15474 has 2 MA's), (242, 15498), (282, 15603), (284, 15609), (289, 15627), (300, 15657), (353, 15762), (371, 15816), (375, 15822), (379, 15831), (384, 15843), (388, 15852), (398, 15876), (410, 15912), (411, 15918), (415, 15930), (425, 15951), (427, 15954), (441, 15963), (467, 15978), (474, 15984), (493, 16002), (497, 16017), (499, 16023), (505, 16041), (506, 16044), (512, 16059), (516, 16074), (520, 16080), (534, 16110), (543, 16128), (550, 16140), (554, 16146), (587, 16206), (592, 16218), (606, 16254), (609, 16266), (616, 16287), (645, 16341), (648, 16350), (662, 16374), (670, 16404), (751, 16509), (753, 16521), (765, 16557), (779, 16596), (792, 16635), (820, 16734), (826, 16755), (843, 16788), (858, 16818), (864, 16848), (867, 16857), (869, 16863), (878, 16878), (879, 16881), (882, 16902), (883, 16905), (899, 16947), (904, 16977), (916, 17019), (917, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 144

Candidate Starts for PhatBacter_24:

(Start: 144 @19774 has 125 MA's), (Start: 205 @19858 has 48 MA's), (Start: 244 @19936 has 1 MA's), (279, 20023), (284, 20038), (300, 20086), (317, 20125), (359, 20212), (372, 20245), (388, 20281), (400, 20311), (402, 20317), (437, 20386), (495, 20416), (498, 20428), (499, 20431), (520, 20488), (589, 20620), (591, 20626), (614, 20692), (616, 20698), (625, 20722), (648, 20770), (662, 20794), (664, 20803), (688, 20878), (752, 20929), (758, 20944), (809, 21106), (817, 21133), (826, 21163), (868, 21268), (897, 21346), (904, 21382), (907, 21391), (916, 21424), (923, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 139

Candidate Starts for Phatniss_17:

(Start: 139 @15310 has 218 MA's), (207, 15397), (Start: 233 @15442 has 2 MA's), (242, 15466), (266, 15523), (282, 15571), (284, 15577), (289, 15595), (300, 15625), (353, 15730), (371, 15784), (375, 15790), (379, 15799), (384, 15811), (388, 15820), (398, 15844), (410, 15880), (411, 15886), (415, 15898), (425, 15919), (427, 15922), (441, 15931), (467, 15946), (474, 15952), (493, 15970), (497, 15985), (499, 15991), (505, 16009), (506, 16012), (512, 16027), (516, 16042), (520, 16048), (534, 16078), (543, 16096), (550, 16108), (554, 16114), (587, 16174), (592, 16186), (606, 16222), (609, 16234), (616, 16255), (645, 16309), (648, 16318), (662, 16342), (670, 16372), (751, 16477), (753, 16489), (765, 16525), (779, 16564), (792, 16603), (820, 16702), (826, 16723), (843, 16756), (858,

16786), (864, 16816), (867, 16825), (869, 16831), (878, 16846), (879, 16849), (882, 16870), (883, 16873), (899, 16915), (904, 16945), (916, 16987), (917, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 172

Candidate Starts for Phauci_26:

(Start: 172 @25726 has 18 MA's), (182, 25738), (200, 25771), (Start: 205 @25780 has 48 MA's), (211, 25792), (230, 25822), (279, 25939), (283, 25951), (321, 26026), (355, 26086), (365, 26116), (468, 26323), (485, 26353), (501, 26398), (525, 26458), (581, 26506), (613, 26578), (626, 26611), (627, 26614), (650, 26653), (667, 26692), (695, 26779), (696, 26782), (721, 26860), (765, 26920), (792, 26965), (817, 27046), (840, 27100), (880, 27196), (916, 27325), (923, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 144

Candidate Starts for Phaux_23:

(Start: 144 @19772 has 125 MA's), (Start: 205 @19856 has 48 MA's), (Start: 244 @19934 has 1 MA's), (279, 20021), (284, 20036), (300, 20084), (317, 20123), (359, 20210), (372, 20243), (388, 20279), (400, 20309), (402, 20315), (437, 20384), (495, 20414), (498, 20426), (499, 20429), (520, 20486), (589, 20618), (591, 20624), (614, 20690), (616, 20696), (625, 20720), (648, 20768), (662, 20792), (664, 20801), (688, 20876), (752, 20927), (758, 20942), (809, 21104), (817, 21131), (826, 21161), (868, 21266), (897, 21344), (904, 21380), (907, 21389), (916, 21422), (923, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 134

Candidate Starts for Phayonce_18:

(Start: 134 @16079 has 48 MA's), (195, 16160), (197, 16163), (227, 16214), (229, 16217), (Start: 233 @16226 has 2 MA's), (259, 16283), (274, 16322), (279, 16343), (283, 16355), (289, 16376), (292, 16379), (293, 16385), (342, 16499), (359, 16538), (360, 16544), (406, 16658), (425, 16709), (437, 16715), (480, 16754), (493, 16760), (500, 16784), (520, 16838), (526, 16850), (531, 16859), (560, 16919), (597, 16997), (609, 17036), (648, 17135), (662, 17159), (668, 17183), (676, 17213), (763, 17327), (767, 17339), (770, 17348), (774, 17357), (807, 17465), (863, 17618), (874, 17648), (916, 17789), (923, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 134

Candidate Starts for Phegasus_19:

(Start: 134 @16391 has 48 MA's), (195, 16472), (197, 16475), (227, 16526), (255, 16589), (259, 16595), (274, 16634), (283, 16667), (292, 16691), (342, 16811), (351, 16826), (359, 16850), (360, 16856), (396, 16940), (410, 16982), (425, 17021), (437, 17027), (480, 17066), (493, 17072), (500, 17096), (520, 17150), (531, 17171), (560, 17231), (597, 17309), (609, 17348), (621, 17381), (648, 17447), (662, 17471), (668, 17495), (676, 17525), (680, 17537), (763, 17639), (767, 17651), (768, 17654), (770, 17660), (774, 17669), (807, 17777), (836, 17861), (874, 17960), (894, 18017), (907, 18068), (923, 18116),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Phelipe_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 118

Candidate Starts for PhelpsODU_22:

(Start: 112 @16363 has 26 MA's), (Start: 118 @16372 has 149 MA's), (Start: 144 @16402 has 125 MA's), (237, 16543), (245, 16561), (261, 16594), (274, 16624), (287, 16669), (325, 16759), (347,

16795), (385, 16882), (419, 16975), (424, 16987), (426, 16990), (433, 17008), (449, 17029), (459, 17044), (465, 17056), (467, 17062), (487, 17104), (492, 17110), (598, 17293), (615, 17353), (660, 17437), (665, 17455), (685, 17515), (707, 17590), (719, 17614), (753, 17674), (764, 17707), (765, 17710), (771, 17728), (786, 17749), (815, 17824), (834, 17875), (849, 17902), (880, 17974), (897, 18025), (917, 18109), (919, 18112), (929, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 175

Candidate Starts for Phendrix_87:

(Start: 175 @52198 has 10 MA's), (Start: 180 @52204 has 1 MA's), (230, 52288), (264, 52357), (275, 52387), (276, 52390), (284, 52420), (300, 52459), (387, 52630), (398, 52654), (404, 52672), (410, 52690), (421, 52720), (466, 52786), (467, 52789), (485, 52822), (505, 52879), (509, 52894), (512, 52897), (513, 52900), (580, 52972), (587, 52987), (594, 53002), (606, 53023), (610, 53038), (673, 53182), (676, 53203), (680, 53218), (706, 53296), (719, 53323), (721, 53329), (765, 53389), (792, 53434), (810, 53491), (814, 53500), (821, 53521), (837, 53560), (864, 53614), (880, 53659), (882, 53668),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 152

Candidate Starts for PherrisBueller_28:

(Start: 152 @20966 has 219 MA's), (Start: 173 @20987 has 4 MA's), (Start: 199 @21029 has 1 MA's), (223, 21074), (320, 21290), (347, 21335), (353, 21344), (367, 21383), (391, 21434), (393, 21437), (491, 21632), (514, 21701), (613, 21902), (614, 21905), (622, 21926), (667, 22022), (668, 22025), (670, 22031), (696, 22100), (699, 22118), (701, 22127), (714, 22157), (753, 22253), (764, 22286), (769, 22301), (815, 22442), (837, 22499), (879, 22610), (925, 22763),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 139

Candidate Starts for PhesterPhotato_16:

(Start: 139 @14827 has 218 MA's), (207, 14914), (Start: 233 @14959 has 2 MA's), (242, 14983), (282, 15088), (284, 15094), (289, 15112), (300, 15142), (353, 15247), (375, 15307), (384, 15328), (388, 15337), (398, 15361), (493, 15487), (497, 15502), (499, 15508), (512, 15544), (513, 15547), (516, 15559), (520, 15565), (543, 15613), (550, 15625), (554, 15631), (587, 15691), (592, 15703), (606, 15739), (609, 15751), (645, 15826), (648, 15835), (660, 15853), (662, 15859), (670, 15889), (751, 15994), (752, 16003), (753, 16006), (765, 16042), (792, 16120), (820, 16219), (826, 16240), (843, 16273), (858, 16303), (864, 16333), (867, 16342), (869, 16348), (878, 16363), (879, 16366), (883, 16390), (894, 16420), (899, 16432), (904, 16462), (916, 16504),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 150

Candidate Starts for Phighter1804_27:

(Start: 130 @19781 has 8 MA's), (Start: 150 @19805 has 625 MA's), (Start: 199 @19862 has 1 MA's), (230, 19916), (237, 19931), (245, 19949), (279, 20033), (283, 20045), (284, 20048), (320, 20123), (330, 20138), (353, 20177), (401, 20294), (445, 20381), (487, 20462), (505, 20510), (514, 20534), (562, 20621), (587, 20666), (614, 20738), (622, 20759), (631, 20777), (699, 20951), (701, 20960), (708, 20984), (714, 20990), (722, 21014), (753, 21068), (761, 21089), (778, 21140), (787, 21164), (802, 21218), (837, 21314), (877, 21419), (880, 21434), (911, 21542), (916, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 150

Candidate Starts for Phillis_24:

(Start: 130 @18604 has 8 MA's), (Start: 150 @18628 has 625 MA's), (222, 18721), (245, 18766), (284, 18865), (300, 18901), (320, 18940), (330, 18955), (351, 18991), (401, 19111), (403, 19117), (467, 19237), (520, 19366), (562, 19438), (613, 19552), (699, 19768), (707, 19798), (708, 19801), (753, 19903), (764, 19936), (769, 19951), (780, 19981), (876, 20251), (879, 20260), (880, 20269), (913, 20383),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Philonius_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for Philus_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (266, 15025), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (371, 15286), (375, 15292), (379, 15301), (388, 15322), (398, 15346), (410, 15382), (411, 15388), (425, 15421), (427, 15424), (441, 15433), (467, 15448), (474, 15454), (493, 15472), (497, 15487), (499, 15493), (505, 15511), (506, 15514), (512, 15529), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (753, 15991), (765, 16027), (792, 16105), (826, 16225), (843, 16258), (858, 16288), (860, 16300), (864, 16318), (866, 16324), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (882, 16372), (883, 16375), (899, 16417), (904, 16447), (916, 16489), (917, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 172

Candidate Starts for Phinally_33:

(Start: 125 @29077 has 1 MA's), (Start: 172 @29134 has 18 MA's), (182, 29146), (200, 29179), (Start: 205 @29188 has 48 MA's), (211, 29200), (230, 29230), (245, 29263), (279, 29347), (283, 29359), (321, 29434), (355, 29494), (365, 29524), (468, 29731), (485, 29761), (500, 29803), (501, 29806), (525, 29866), (581, 29914), (613, 29986), (626, 30019), (627, 30022), (650, 30061), (667, 30100), (695, 30187), (696, 30190), (721, 30268), (765, 30328), (792, 30373), (817, 30454), (840, 30508), (880, 30604), (916, 30733), (923, 30748),

Gene: PhineBark_26 Start: 21857, Stop: 23659, Start Num: 152

Candidate Starts for PhineBark_26:

(Start: 152 @21857 has 219 MA's), (Start: 173 @21878 has 4 MA's), (Start: 199 @21920 has 1 MA's), (223, 21965), (320, 22181), (347, 22226), (353, 22235), (367, 22274), (391, 22325), (393, 22328), (491, 22523), (514, 22592), (613, 22793), (614, 22796), (622, 22817), (667, 22913), (668, 22916), (670, 22922), (696, 22991), (699, 23009), (701, 23018), (714, 23048), (753, 23144), (764, 23177), (769, 23192), (815, 23333), (837, 23390), (879, 23501),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 134

Candidate Starts for Phineas_19:

(Start: 116 @16358 has 3 MA's), (Start: 134 @16382 has 48 MA's), (184, 16442), (195, 16463), (197, 16466), (259, 16586), (274, 16625), (283, 16658), (292, 16682), (342, 16802), (359, 16841), (360, 16847), (396, 16931), (398, 16937), (402, 16949), (410, 16973), (420, 17000), (437, 17018), (480, 17057), (493, 17063), (500, 17087), (520, 17141), (526, 17153), (531, 17162), (560, 17222), (597, 17300), (609, 17339), (621, 17372), (648, 17438), (659, 17453), (662, 17462), (668, 17486), (676, 17516), (680, 17528), (763, 17630), (767, 17642), (768, 17645), (770, 17651), (774, 17660), (807, 17768), (836, 17852), (874, 17951), (907, 18059), (923, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 160

Candidate Starts for PhinkBoden_48:

(Start: 160 @29995 has 22 MA's), (202, 30055), (216, 30088), (234, 30121), (282, 30247), (292, 30280), (294, 30289), (354, 30418), (370, 30466), (520, 30679), (523, 30685), (534, 30709), (601,

30838), (606, 30859), (616, 30892), (688, 31090), (789, 31243), (817, 31342), (821, 31354), (824, 31363), (860, 31447), (905, 31594), (915, 31630), (919, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Phish_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 150

Candidate Starts for PhishRPhriends_28:

(Start: 150 @19644 has 625 MA's), (Start: 199 @19701 has 1 MA's), (208, 19716), (237, 19770), (Start: 244 @19785 has 1 MA's), (279, 19872), (283, 19884), (284, 19887), (320, 19962), (330, 19977), (445, 20220), (514, 20373), (562, 20460), (608, 20553), (613, 20574), (622, 20598), (627, 20610), (631, 20616), (668, 20697), (696, 20772), (699, 20790), (701, 20799), (708, 20823), (714, 20829), (719, 20844), (727, 20868), (752, 20922), (753, 20925), (761, 20946), (877, 21276), (879, 21282), (916, 21417),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 186

Candidate Starts for Phishy_22:

(72, 18581), (95, 18641), (158, 18734), (Start: 186 @18770 has 2 MA's), (Start: 193 @18782 has 3 MA's), (247, 18896), (248, 18902), (280, 18980), (302, 19046), (304, 19052), (358, 19163), (360, 19172), (370, 19199), (376, 19208), (385, 19229), (497, 19400), (498, 19403), (523, 19469), (531, 19484), (566, 19568), (579, 19577), (601, 19619), (606, 19640), (622, 19688), (626, 19700), (636, 19727), (668, 19796), (693, 19865), (751, 19898), (768, 19955), (788, 20006), (806, 20075), (839, 20162), (846, 20177), (865, 20234), (868, 20243), (895, 20321), (898, 20327),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 150

Candidate Starts for Phistory_21:

(120, 17161), (Start: 150 @17200 has 625 MA's), (Start: 160 @17212 has 22 MA's), (Start: 163 @17215 has 16 MA's), (191, 17251), (213, 17290), (226, 17311), (247, 17353), (249, 17359), (252, 17362), (259, 17374), (273, 17410), (283, 17446), (305, 17503), (330, 17551), (345, 17578), (391, 17680), (405, 17719), (430, 17776), (443, 17794), (455, 17803), (458, 17809), (480, 17857), (492, 17887), (503, 17923), (505, 17929), (513, 17950), (514, 17953), (540, 18004), (581, 18031), (582, 18034), (596, 18061), (606, 18088), (633, 18160), (659, 18199), (677, 18253), (701, 18325), (720, 18370), (765, 18460), (771, 18478), (810, 18562), (814, 18571), (815, 18574), (817, 18580), (822, 18595), (835, 18625), (838, 18631), (852, 18652), (853, 18655), (868, 18709), (879, 18739), (880, 18748), (896, 18799), (904, 18832), (908, 18844), (913, 18862),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 150

Candidate Starts for Phlei_23:

(Start: 150 @21753 has 625 MA's), (226, 21852), (230, 21858), (245, 21891), (273, 21951), (283, 21987), (284, 21990), (320, 22065), (407, 22254), (445, 22323), (487, 22404), (491, 22407), (509, 22467), (520, 22491), (580, 22587), (614, 22674), (631, 22713), (667, 22788), (742, 22986), (752, 23016), (753, 23019), (769, 23067), (794, 23139), (801, 23166), (837, 23265), (864, 23331), (868, 23343), (877, 23370), (879, 23376), (908, 23481),

Gene: PhlipPhlop_16 Start: 14759, Stop: 16468, Start Num: 139

Candidate Starts for PhlipPhlop_16:

(Start: 139 @14759 has 218 MA's), (207, 14846), (Start: 233 @14891 has 2 MA's), (242, 14915), (282, 15020), (284, 15026), (289, 15044), (300, 15074), (353, 15179), (375, 15239), (382, 15257), (384, 15260), (388, 15269), (398, 15293), (493, 15419), (497, 15434), (499, 15440), (512, 15476), (513, 15479), (516, 15491), (520, 15497), (543, 15545), (550, 15557), (554, 15563), (587, 15623), (592, 15635), (606, 15671), (609, 15683), (645, 15758), (648, 15767), (660, 15785), (662, 15791), (670, 15821), (751, 15926), (753, 15938), (765, 15974), (792, 16052), (826, 16172), (843, 16205), (858, 16235), (860, 16247), (864, 16265), (866, 16271), (867, 16274), (869, 16280), (878, 16295), (879, 16298), (882, 16319), (883, 16322), (899, 16364), (904, 16394), (916, 16436), (917, 16442),

Gene: Phlippers_26 Start: 22182, Stop: 23984, Start Num: 152

Candidate Starts for Phlippers_26:

(Start: 152 @22182 has 219 MA's), (Start: 173 @22203 has 4 MA's), (Start: 199 @22245 has 1 MA's), (223, 22290), (320, 22506), (347, 22551), (353, 22560), (391, 22650), (393, 22653), (430, 22746), (491, 22848), (514, 22917), (609, 23106), (613, 23118), (614, 23121), (622, 23142), (667, 23238), (668, 23241), (670, 23247), (696, 23316), (699, 23334), (701, 23343), (714, 23373), (753, 23469), (764, 23502), (769, 23517), (780, 23547), (815, 23658), (837, 23715), (879, 23826),

Gene: Phloodle_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Phloodle_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 105

Candidate Starts for Phlop_31:

(86, 25903), (Start: 105 @25945 has 84 MA's), (Start: 129 @25981 has 1 MA's), (Start: 155 @26014 has 12 MA's), (274, 26224), (275, 26227), (283, 26257), (310, 26323), (320, 26347), (326, 26356), (345, 26389), (410, 26542), (430, 26581), (466, 26632), (470, 26644), (480, 26662), (486, 26674), (490, 26686), (495, 26701), (504, 26731), (505, 26734), (513, 26755), (581, 26827), (603, 26875), (647, 26986), (665, 27019), (676, 27058), (677, 27061), (701, 27133), (740, 27199), (744, 27211), (815, 27382), (816, 27385), (834, 27433), (852, 27460), (860, 27487), (877, 27541), (908, 27658), (914, 27679), (925, 27706),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 150

Candidate Starts for Phlorence_24:

(Start: 150 @19764 has 625 MA's), (230, 19869), (245, 19902), (284, 20001), (320, 20076), (330, 20091), (351, 20127), (381, 20199), (387, 20214), (401, 20247), (403, 20253), (509, 20478), (513, 20484), (562, 20574), (610, 20679), (613, 20688), (631, 20730), (640, 20748), (667, 20808), (668, 20811), (696, 20886), (699, 20904), (752, 21045), (764, 21081), (837, 21294), (876, 21396), (879, 21405), (910, 21519), (916, 21540), (919, 21549),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Phloss_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 150

Candidate Starts for Phoebe_29:

(Start: 150 @20377 has 625 MA's), (Start: 199 @20434 has 1 MA's), (208, 20449), (226, 20482), (237, 20503), (Start: 244 @20518 has 1 MA's), (279, 20605), (283, 20617), (284, 20620), (320, 20695), (330, 20710), (351, 20746), (445, 20953), (500, 21067), (514, 21106), (562, 21193), (613, 21307), (622, 21331), (631, 21349), (668, 21430), (696, 21505), (699, 21523), (708, 21556), (714, 21562), (727, 21601), (752, 21655), (753, 21658), (761, 21679), (780, 21736), (837, 21904), (877, 22009), (879, 22015), (916, 22150),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 138

Candidate Starts for Phoebus_36:

(Start: 138 @27621 has 76 MA's), (Start: 205 @27711 has 48 MA's), (230, 27759), (242, 27789), (292, 27918), (301, 27948), (347, 28047), (360, 28083), (372, 28110), (402, 28182), (405, 28191), (411, 28212), (474, 28281), (499, 28320), (500, 28323), (505, 28338), (520, 28377), (543, 28425), (550, 28437), (554, 28443), (572, 28491), (577, 28500), (589, 28521), (597, 28539), (612, 28587), (660, 28689), (680, 28761), (698, 28806), (700, 28818), (710, 28953), (711, 28959), (712, 28983), (739, 29055), (750, 29082), (828, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 162

Candidate Starts for Phomeo_40:

(Start: 162 @30475 has 92 MA's), (Start: 190 @30511 has 1 MA's), (201, 30529), (237, 30589), (355, 30829), (358, 30841), (363, 30856), (398, 30922), (403, 30937), (412, 30961), (413, 30964), (461, 31048), (475, 31078), (477, 31081), (501, 31138), (517, 31186), (519, 31189), (531, 31210), (603, 31315), (625, 31360), (648, 31402), (706, 31576), (724, 31606), (733, 31612), (796, 31720), (797, 31723), (821, 31798), (904, 32017), (923, 32074),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Phonnegut_30:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748), (668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 150

Candidate Starts for Phontbonne_27:

(Start: 130 @19747 has 8 MA's), (Start: 150 @19771 has 625 MA's), (Start: 199 @19828 has 1 MA's), (230, 19882), (237, 19897), (245, 19915), (279, 19999), (283, 20011), (284, 20014), (320, 20089), (330, 20104), (353, 20143), (401, 20260), (445, 20347), (487, 20428), (505, 20476), (514, 20500), (562, 20587), (587, 20632), (614, 20704), (622, 20725), (631, 20743), (668, 20824), (699, 20917), (701, 20926), (708, 20950), (714, 20956), (722, 20980), (753, 21034), (761, 21055), (778, 21106), (787, 21130), (837, 21280), (877, 21385), (880, 21400), (911, 21508), (916, 21526),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 119

Candidate Starts for PhorbesPhlower_18:

(Start: 119 @15153 has 25 MA's), (Start: 128 @15165 has 8 MA's), (Start: 162 @15207 has 92 MA's), (226, 15309), (266, 15381), (305, 15462), (332, 15513), (347, 15546), (363, 15588), (367, 15594), (387, 15642), (407, 15693), (419, 15729), (456, 15771), (466, 15792), (468, 15798), (480, 15822), (500, 15873), (501, 15876), (512, 15906), (676, 16218), (699, 16284), (707, 16314), (759, 16407), (765, 16428), (769, 16440), (771, 16446), (774, 16452), (777, 16458), (804, 16512), (815, 16542), (844, 16611), (877, 16698), (879, 16704), (884, 16728), (893, 16755),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 150

Candidate Starts for Phoxy_29:

(Start: 150 @20463 has 625 MA's), (Start: 199 @20520 has 1 MA's), (208, 20535), (226, 20568), (237, 20589), (Start: 244 @20604 has 1 MA's), (279, 20691), (283, 20703), (284, 20706), (320, 20781), (330, 20796), (351, 20832), (445, 21039), (500, 21153), (514, 21192), (562, 21279), (613, 21393), (622, 21417), (631, 21435), (668, 21516), (696, 21591), (699, 21609), (708, 21642), (714, 21648), (727, 21687), (752, 21741), (753, 21744), (761, 21765), (780, 21822), (837, 21990), (877, 22095), (879, 22101), (916, 22236),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 118

Candidate Starts for Phrank_22:

(Start: 112 @16317 has 26 MA's), (Start: 118 @16326 has 149 MA's), (Start: 144 @16356 has 125 MA's), (230, 16482), (237, 16497), (245, 16515), (261, 16548), (274, 16578), (287, 16623), (325, 16713), (347, 16749), (381, 16827), (385, 16836), (415, 16920), (419, 16929), (424, 16941), (426, 16944), (449, 16983), (459, 16998), (467, 17016), (487, 17058), (492, 17064), (598, 17247), (615, 17307), (660, 17391), (665, 17409), (685, 17469), (707, 17544), (719, 17568), (753, 17628), (764, 17661), (765, 17664), (771, 17682), (786, 17703), (815, 17778), (834, 17829), (837, 17835), (849, 17856), (880, 17928), (897, 17979), (917, 18063), (919, 18066), (929, 18084),

Gene: Phrankenstien_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Phrankenstien_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Phrann_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 150

Candidate Starts for Phranny_30:

(Start: 150 @20452 has 625 MA's), (Start: 199 @20509 has 1 MA's), (208, 20524), (237, 20578), (Start: 244 @20593 has 1 MA's), (279, 20680), (283, 20692), (284, 20695), (320, 20770), (330, 20785), (445, 21028), (514, 21181), (562, 21268), (608, 21361), (613, 21382), (622, 21406), (627, 21418), (631, 21424), (668, 21505), (696, 21580), (699, 21598), (701, 21607), (708, 21631), (714, 21637), (727, 21676), (752, 21730), (753, 21733), (761, 21754), (837, 21979), (877, 22084), (879, 22090), (916, 22225),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Phreak_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492,

17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 162

Candidate Starts for PhriskyACE_19:

(11, 16045), (22, 16201), (39, 16396), (42, 16432), (44, 16435), (53, 16519), (54, 16525), (66, 16651), (87, 16705), (Start: 162 @16822 has 92 MA's), (275, 16993), (312, 17080), (320, 17098), (323, 17101), (355, 17155), (368, 17194), (396, 17251), (403, 17272), (526, 17443), (534, 17461), (552, 17485), (575, 17506), (603, 17548), (631, 17629), (667, 17719), (700, 17821), (722, 17878), (770, 17968), (880, 18247), (882, 18256), (891, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 177

Candidate Starts for PhrostedPhlake_20:

(Start: 141 @16990 has 4 MA's), (Start: 177 @17026 has 46 MA's), (237, 17128), (259, 17164), (273, 17206), (291, 17266), (316, 17305), (338, 17344), (361, 17389), (367, 17404), (377, 17425), (400, 17479), (405, 17494), (495, 17665), (504, 17695), (617, 17878), (627, 17902), (687, 18046), (695, 18058), (713, 18118), (765, 18250), (766, 18253), (810, 18352), (817, 18370), (837, 18421), (866, 18481), (868, 18487), (889, 18550), (894, 18562),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 152

Candidate Starts for PhrostyMug_27:

(Start: 152 @21160 has 219 MA's), (Start: 173 @21181 has 4 MA's), (Start: 199 @21223 has 1 MA's), (223, 21268), (320, 21484), (347, 21529), (353, 21538), (367, 21577), (391, 21628), (393, 21631), (491, 21826), (514, 21895), (613, 22096), (614, 22099), (622, 22120), (667, 22216), (668, 22219), (670, 22225), (696, 22294), (699, 22312), (701, 22321), (714, 22351), (753, 22447), (764, 22480), (769, 22495), (815, 22636), (837, 22693), (879, 22804),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 144

Candidate Starts for Phrux_24:

(Start: 144 @19487 has 125 MA's), (Start: 205 @19571 has 48 MA's), (Start: 244 @19649 has 1 MA's), (279, 19736), (284, 19751), (300, 19799), (317, 19838), (359, 19925), (372, 19958), (388, 19994), (400, 20024), (402, 20030), (437, 20099), (495, 20129), (498, 20141), (499, 20144), (520, 20201), (589, 20333), (591, 20339), (614, 20405), (616, 20411), (625, 20435), (648, 20483), (662, 20507), (664, 20516), (688, 20591), (752, 20642), (758, 20657), (809, 20819), (817, 20846), (826, 20876), (868, 20981), (897, 21059), (904, 21095), (907, 21104), (916, 21137), (923, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Piatt_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 165

Candidate Starts for Pickett_17:

(79, 14547), (Start: 165 @14682 has 39 MA's), (239, 14799), (271, 14871), (272, 14874), (282, 14910), (299, 14949), (312, 14970), (363, 15072), (403, 15162), (404, 15165), (467, 15297), (495, 15351), (511, 15402), (524, 15432), (568, 15492), (579, 15504), (603, 15540), (614, 15579), (631, 15621), (648, 15657), (659, 15675), (663, 15690), (668, 15714), (696, 15786), (700, 15810), (758, 15918), (810, 16044), (816, 16059), (831, 16101), (867, 16194), (868, 16197), (882, 16245), (891, 16275),

(899, 16293), (900, 16305), (910, 16344),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 150

Candidate Starts for PickleBack_24:

(Start: 150 @19478 has 625 MA's), (230, 19583), (245, 19616), (284, 19715), (320, 19790), (330, 19805), (351, 19841), (381, 19913), (387, 19928), (401, 19961), (403, 19967), (455, 20060), (500, 20162), (509, 20192), (513, 20198), (562, 20288), (580, 20318), (609, 20390), (613, 20402), (614, 20405), (631, 20444), (640, 20462), (667, 20522), (668, 20525), (686, 20576), (699, 20618), (752, 20759), (766, 20801), (879, 21119), (916, 21254),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 174

Candidate Starts for Pimento_23:

(Start: 106 @16966 has 2 MA's), (Start: 174 @17041 has 18 MA's), (230, 17134), (237, 17149), (241, 17155), (274, 17230), (284, 17266), (295, 17302), (348, 17413), (367, 17458), (375, 17476), (381, 17488), (465, 17659), (468, 17668), (470, 17674), (487, 17707), (510, 17770), (535, 17821), (568, 17845), (587, 17869), (613, 17944), (628, 17983), (681, 18115), (722, 18229), (764, 18316), (814, 18430), (817, 18439), (864, 18544), (895, 18631), (929, 18739),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 105

Candidate Starts for PinkCoffee_33:

(86, 26542), (Start: 105 @26584 has 84 MA's), (Start: 129 @26620 has 1 MA's), (Start: 155 @26653 has 12 MA's), (274, 26863), (275, 26866), (283, 26896), (310, 26962), (320, 26986), (326, 26995), (345, 27028), (410, 27181), (430, 27220), (466, 27271), (470, 27283), (480, 27301), (486, 27313), (490, 27325), (495, 27340), (504, 27370), (505, 27373), (513, 27394), (581, 27466), (603, 27514), (647, 27625), (665, 27658), (677, 27700), (701, 27772), (740, 27838), (744, 27850), (815, 28021), (816, 28024), (834, 28072), (852, 28099), (860, 28126), (877, 28180), (908, 28297), (914, 28318), (925, 28345),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 152

Candidate Starts for PinkPlastic_26:

(Start: 152 @20900 has 219 MA's), (Start: 173 @20921 has 4 MA's), (Start: 199 @20963 has 1 MA's), (223, 21008), (320, 21224), (347, 21269), (353, 21278), (391, 21368), (393, 21371), (430, 21464), (491, 21566), (514, 21635), (613, 21836), (614, 21839), (622, 21860), (667, 21956), (668, 21959), (670, 21965), (696, 22034), (699, 22052), (701, 22061), (714, 22091), (753, 22187), (764, 22220), (769, 22235), (815, 22376), (837, 22433), (879, 22544),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 112

Candidate Starts for PinkYoshi_18:

(Start: 112 @16631 has 26 MA's), (Start: 138 @16640 has 76 MA's), (Start: 144 @16646 has 125 MA's), (149, 16652), (237, 16784), (261, 16835), (274, 16865), (280, 16889), (320, 16991), (344, 17030), (347, 17036), (355, 17051), (371, 17096), (419, 17216), (450, 17273), (467, 17312), (492, 17360), (500, 17387), (504, 17399), (548, 17480), (589, 17525), (668, 17723), (677, 17753), (685, 17771), (696, 17798), (723, 17882), (742, 17900), (749, 17915), (764, 17963), (769, 17978), (802, 18041), (821, 18098), (837, 18137), (858, 18179), (880, 18230), (907, 18326), (929, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 138

Candidate Starts for Pinnie_19:

(Start: 138 @17358 has 76 MA's), (232, 17478), (261, 17541), (273, 17568), (274, 17571), (320, 17697), (330, 17712), (344, 17736), (347, 17742), (351, 17748), (371, 17802), (419, 17922), (467, 18018), (470, 18027), (487, 18060), (492, 18066), (504, 18105), (589, 18231), (610, 18294), (668, 18423), (685, 18471), (696, 18498), (703, 18534), (723, 18582), (742, 18588), (775, 18681), (821, 18786), (856, 18861), (907, 19014), (919, 19056), (921, 19059),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 152

Candidate Starts for Pinto_30:

(Start: 152 @21713 has 219 MA's), (Start: 173 @21734 has 4 MA's), (Start: 199 @21776 has 1 MA's), (223, 21821), (320, 22037), (347, 22082), (353, 22091), (391, 22181), (393, 22184), (491, 22379), (514, 22448), (613, 22649), (614, 22652), (622, 22673), (667, 22769), (668, 22772), (670, 22778), (696, 22847), (699, 22865), (701, 22874), (714, 22904), (753, 23000), (764, 23033), (769, 23048), (815, 23189), (837, 23246), (879, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Pioneer_30:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748), (668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Pipcraft_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for Piper2020_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (382, 15175), (384, 15178), (388, 15187), (398, 15211), (425, 15286), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (606, 15589), (609, 15601), (616, 15622), (645, 15676), (648, 15685), (660, 15703), (662, 15709), (670, 15739), (751, 15844), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (843, 16123), (858, 16153), (860, 16165), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (883, 16240), (894, 16270), (899, 16282), (916, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 177

Candidate Starts for Pipp_19:

(Start: 141 @16608 has 4 MA's), (Start: 177 @16644 has 46 MA's), (237, 16746), (273, 16824), (316, 16923), (338, 16962), (377, 17043), (400, 17097), (405, 17112), (459, 17208), (495, 17283), (504, 17313), (617, 17496), (627, 17520), (655, 17571), (687, 17664), (695, 17676), (705, 17721), (713, 17736), (765, 17868), (766, 17871), (810, 17970), (817, 17988), (837, 18039), (866, 18099), (868, 18105), (889, 18168), (894, 18180),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 152

Candidate Starts for Pippin_29:

(Start: 152 @21464 has 219 MA's), (Start: 173 @21485 has 4 MA's), (Start: 199 @21527 has 1 MA's), (223, 21572), (320, 21788), (347, 21833), (353, 21842), (367, 21881), (391, 21932), (393, 21935), (491, 22130), (514, 22199), (613, 22400), (614, 22403), (622, 22424), (667, 22520), (668, 22523), (670, 22529), (696, 22598), (699, 22616), (701, 22625), (714, 22655), (753, 22751), (764, 22784), (769, 22799), (815, 22940), (837, 22997), (879, 23108),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 139

Candidate Starts for Pippy_16:

(Start: 139 @14798 has 218 MA's), (207, 14885), (Start: 233 @14930 has 2 MA's), (242, 14954), (282, 15059), (284, 15065), (289, 15083), (300, 15113), (353, 15218), (375, 15278), (384, 15299), (388, 15308), (398, 15332), (493, 15458), (497, 15473), (499, 15479), (512, 15515), (513, 15518), (516, 15530), (520, 15536), (543, 15584), (550, 15596), (554, 15602), (587, 15662), (592, 15674), (606, 15710), (609, 15722), (645, 15797), (648, 15806), (660, 15824), (662, 15830), (670, 15860), (751, 15965), (752, 15974), (753, 15977), (765, 16013), (792, 16091), (820, 16190), (826, 16211), (843, 16244), (858, 16274), (864, 16304), (867, 16313), (869, 16319), (878, 16334), (879, 16337), (883, 16361), (894, 16391), (899, 16403), (904, 16433), (916, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Pipsqueaks_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 150

Candidate Starts for Piro94_29:

(Start: 130 @20648 has 8 MA's), (Start: 150 @20672 has 625 MA's), (Start: 244 @20807 has 1 MA's), (253, 20825), (283, 20906), (284, 20909), (319, 20981), (320, 20984), (353, 21038), (355, 21044), (381, 21107), (401, 21155), (411, 21188), (445, 21242), (487, 21323), (491, 21326), (500, 21356), (580, 21512), (614, 21599), (668, 21719), (707, 21842), (708, 21845), (714, 21851), (743, 21899), (764, 21962), (769, 21977), (771, 21983), (790, 22037), (801, 22076), (805, 22091), (817, 22124), (834, 22169), (877, 22280), (879, 22286), (894, 22340),

Gene: Pisa1_22 Start: 17226, Stop: 18992, Start Num: 118

Candidate Starts for Pisa1_22:

(Start: 118 @17226 has 149 MA's), (Start: 144 @17256 has 125 MA's), (245, 17415), (261, 17448), (274, 17478), (283, 17511), (287, 17523), (325, 17613), (351, 17655), (381, 17727), (385, 17736), (401, 17775), (415, 17820), (426, 17844), (467, 17916), (487, 17958), (492, 17964), (500, 17991), (589, 18129), (598, 18147), (609, 18189), (615, 18207), (628, 18237), (643, 18264), (685, 18369), (765, 18564), (777, 18594), (786, 18603), (815, 18678), (834, 18729), (880, 18828), (897, 18879), (907, 18924), (917, 18963), (919, 18966), (929, 18984),

Gene: Pisa4_22 Start: 17226, Stop: 18992, Start Num: 118

Candidate Starts for Pisa4_22:

(Start: 118 @17226 has 149 MA's), (Start: 144 @17256 has 125 MA's), (245, 17415), (261, 17448), (274, 17478), (283, 17511), (287, 17523), (325, 17613), (351, 17655), (381, 17727), (385, 17736), (401, 17775), (415, 17820), (426, 17844), (467, 17916), (487, 17958), (492, 17964), (500, 17991), (589, 18129), (598, 18147), (609, 18189), (615, 18207), (628, 18237), (643, 18264), (685, 18369), (765, 18564), (777, 18594), (786, 18603), (815, 18678), (834, 18729), (880, 18828), (897, 18879), (907, 18924), (917, 18963), (919, 18966), (929, 18984),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 150

Candidate Starts for Pistachio_28:

(Start: 150 @19451 has 625 MA's), (Start: 199 @19508 has 1 MA's), (237, 19577), (279, 19679), (283, 19691), (284, 19694), (320, 19769), (330, 19784), (353, 19823), (407, 19958), (445, 20027), (500,

20141), (562, 20267), (613, 20381), (622, 20405), (631, 20423), (668, 20504), (696, 20579), (699, 20597), (701, 20606), (708, 20630), (714, 20636), (719, 20651), (734, 20684), (752, 20729), (753, 20732), (761, 20753), (764, 20765), (766, 20771), (787, 20828), (837, 20978), (853, 21002), (877, 21083), (879, 21089), (916, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for Pita2_29:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (367, 22002), (391, 22053), (393, 22056), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 118

Candidate Starts for Pixie_22:

(Start: 112 @17349 has 26 MA's), (Start: 118 @17358 has 149 MA's), (206, 17460), (237, 17517), (261, 17568), (274, 17598), (280, 17622), (381, 17853), (385, 17862), (391, 17874), (424, 17967), (426, 17970), (467, 18042), (470, 18051), (487, 18084), (492, 18090), (504, 18129), (516, 18165), (589, 18255), (610, 18318), (651, 18405), (685, 18498), (707, 18573), (753, 18654), (769, 18702), (785, 18726), (799, 18753), (817, 18810), (834, 18855), (880, 18957), (888, 18984), (904, 19044), (907, 19053), (913, 19074), (917, 19092), (921, 19098), (929, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Plagueis_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 162

Candidate Starts for Pleakley_50:

(Start: 162 @30683 has 92 MA's), (Start: 177 @30698 has 46 MA's), (201, 30737), (237, 30797), (275, 30881), (363, 31064), (398, 31130), (403, 31145), (416, 31181), (461, 31256), (475, 31286), (477, 31289), (484, 31307), (501, 31346), (511, 31376), (630, 31580), (648, 31610), (666, 31658), (667, 31661), (706, 31784), (733, 31820), (821, 32006), (886, 32159), (902, 32213), (904, 32225), (908, 32237), (923, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 139

Candidate Starts for Plumbus_17:

(Start: 139 @14635 has 218 MA's), (207, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (248, 14812), (282, 14896), (284, 14902), (289, 14920), (300, 14950), (353, 15055), (375, 15115), (384, 15136), (388, 15145), (398, 15169), (493, 15295), (497, 15310), (499, 15316), (512, 15352), (513, 15355), (516, 15367), (520, 15373), (543, 15421), (550, 15433), (554, 15439), (587, 15499), (592, 15511), (606, 15547), (609, 15559), (645, 15634), (648, 15643), (660, 15661), (662, 15667), (670, 15697), (751, 15802), (752, 15811), (753, 15814), (765, 15850), (792, 15928), (820, 16027), (826, 16048), (843, 16081), (858, 16111), (864, 16141), (867, 16150), (869, 16156), (878, 16171), (879, 16174), (883, 16198), (894, 16228), (899, 16240), (904, 16270), (916, 16312),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 150

Candidate Starts for Pmask_31:

(102, 19904), (Start: 130 @19946 has 8 MA's), (Start: 150 @19970 has 625 MA's), (273, 20168), (284, 20207), (319, 20279), (320, 20282), (332, 20300), (353, 20336), (355, 20342), (401, 20453), (403, 20459), (415, 20498), (445, 20540), (467, 20579), (487, 20621), (491, 20624), (509, 20684), (624, 20921), (631, 20936), (668, 21017), (714, 21149), (769, 21275), (788, 21326), (790, 21335), (801, 21374), (802, 21377), (805, 21389), (837, 21473), (877, 21578), (879, 21584), (916, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 150

Candidate Starts for Pocahontas_28:

(Start: 150 @20452 has 625 MA's), (Start: 199 @20512 has 1 MA's), (237, 20581), (279, 20683), (283, 20695), (284, 20698), (320, 20773), (330, 20788), (353, 20827), (407, 20962), (445, 21031), (500, 21145), (562, 21271), (613, 21385), (622, 21409), (627, 21421), (631, 21427), (668, 21508), (696, 21583), (699, 21601), (701, 21610), (708, 21634), (714, 21640), (719, 21655), (734, 21688), (752, 21733), (753, 21736), (761, 21757), (802, 21886), (837, 21982), (877, 22087), (879, 22093), (916, 22228),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 139

Candidate Starts for Poenanya_16:

(Start: 139 @14940 has 218 MA's), (207, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (282, 15201), (284, 15207), (289, 15225), (300, 15255), (353, 15360), (375, 15420), (384, 15441), (388, 15450), (398, 15474), (425, 15549), (493, 15600), (497, 15615), (499, 15621), (512, 15657), (513, 15660), (516, 15672), (520, 15678), (543, 15726), (550, 15738), (554, 15744), (587, 15804), (592, 15816), (606, 15852), (609, 15864), (645, 15939), (648, 15948), (660, 15966), (662, 15972), (670, 16002), (751, 16107), (753, 16119), (765, 16155), (792, 16233), (820, 16332), (826, 16353), (843, 16386), (858, 16416), (864, 16446), (866, 16452), (867, 16455), (869, 16461), (878, 16476), (879, 16479), (882, 16500), (883, 16503), (899, 16545), (916, 16617), (917, 16623),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 118

Candidate Starts for Pokerus_22:

(Start: 118 @17105 has 149 MA's), (Start: 144 @17135 has 125 MA's), (245, 17294), (261, 17327), (274, 17357), (283, 17390), (325, 17492), (351, 17534), (381, 17606), (385, 17615), (401, 17654), (415, 17699), (424, 17720), (426, 17723), (459, 17777), (467, 17795), (487, 17837), (492, 17843), (500, 17870), (589, 18008), (598, 18026), (609, 18068), (615, 18086), (628, 18116), (643, 18143), (685, 18248), (753, 18407), (765, 18443), (777, 18473), (786, 18482), (815, 18557), (834, 18608), (907, 18803), (917, 18842), (919, 18845), (929, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 205

Candidate Starts for Policronamos_24:

(Start: 144 @19774 has 125 MA's), (Start: 205 @19858 has 48 MA's), (Start: 244 @19936 has 1 MA's), (279, 20023), (284, 20038), (300, 20086), (317, 20125), (359, 20212), (372, 20245), (388, 20281), (400, 20311), (402, 20317), (437, 20386), (495, 20416), (498, 20428), (499, 20431), (520, 20488), (589, 20620), (591, 20626), (614, 20692), (616, 20698), (625, 20722), (648, 20770), (662, 20794), (664, 20803), (688, 20878), (752, 20929), (758, 20944), (809, 21106), (817, 21133), (826, 21163), (868, 21268), (897, 21346), (904, 21382), (907, 21391), (916, 21424), (923, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 139

Candidate Starts for Polka14_17:

(Start: 139 @15348 has 218 MA's), (207, 15435), (Start: 233 @15480 has 2 MA's), (242, 15504), (282, 15609), (284, 15615), (289, 15633), (300, 15663), (353, 15768), (375, 15828), (384, 15849), (388, 15858), (398, 15882), (493, 16008), (497, 16023), (499, 16029), (512, 16065), (513, 16068), (516, 16080), (520, 16086), (543, 16134), (550, 16146), (554, 16152), (587, 16212), (592, 16224), (606, 16260), (609, 16272), (616, 16293), (645, 16347), (648, 16356), (660, 16374), (662, 16380), (670, 16410), (751, 16515), (753, 16527), (765, 16563), (779, 16602), (792, 16641), (820, 16740), (826, 16761), (843, 16794), (858, 16824), (864, 16854), (866, 16860), (867, 16863), (869, 16869), (878,

16884), (879, 16887), (882, 16908), (883, 16911), (899, 16953), (904, 16983), (916, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 134

Candidate Starts for Polkaroo_19:

(Start: 116 @16377 has 3 MA's), (Start: 134 @16401 has 48 MA's), (184, 16461), (195, 16482), (197, 16485), (259, 16605), (274, 16644), (283, 16677), (292, 16701), (342, 16821), (359, 16860), (360, 16866), (396, 16950), (398, 16956), (402, 16968), (410, 16992), (420, 17019), (437, 17037), (480, 17076), (493, 17082), (500, 17106), (520, 17160), (526, 17172), (531, 17181), (560, 17241), (597, 17319), (609, 17358), (621, 17391), (648, 17457), (659, 17472), (662, 17481), (668, 17505), (676, 17535), (680, 17547), (763, 17649), (767, 17661), (768, 17664), (770, 17670), (774, 17679), (807, 17787), (836, 17871), (874, 17970), (916, 18111), (923, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 119

Candidate Starts for Pollux_20:

(Start: 104 @17542 has 1 MA's), (Start: 119 @17566 has 25 MA's), (201, 17671), (224, 17713), (266, 17788), (320, 17902), (387, 18049), (391, 18055), (407, 18100), (483, 18238), (512, 18313), (667, 18595), (674, 18616), (699, 18691), (744, 18778), (759, 18814), (769, 18847), (771, 18853), (804, 18919), (815, 18949), (877, 19105), (879, 19111), (882, 19129), (914, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Polly_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Polymorphads_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Polyphemus_31 Start: 19968, Stop: 21740, Start Num: 150

Candidate Starts for Polyphemus_31:

(102, 19902), (Start: 130 @19944 has 8 MA's), (Start: 150 @19968 has 625 MA's), (273, 20166), (284, 20205), (319, 20277), (320, 20280), (332, 20298), (353, 20334), (355, 20340), (401, 20451), (403, 20457), (415, 20496), (445, 20538), (467, 20577), (487, 20619), (491, 20622), (509, 20682), (624, 20919), (631, 20934), (668, 21015), (714, 21147), (769, 21273), (788, 21324), (790, 21333), (801, 21372), (802, 21375), (805, 21387), (837, 21471), (877, 21576), (879, 21582), (916, 21717),

Gene: Polygyuki_45 Start: 31365, Stop: 32939, Start Num: 168

Candidate Starts for Polygyuki_45:

(Start: 168 @31365 has 10 MA's), (Start: 177 @31374 has 46 MA's), (212, 31428), (230, 31452), (237, 31455), (365, 31725), (398, 31788), (403, 31803), (469, 31920), (477, 31935), (501, 31992), (504, 32001), (519, 32043), (531, 32064), (551, 32094), (597, 32151), (630, 32226), (673, 32322), (706, 32427), (707, 32430), (724, 32457), (771, 32535), (797, 32574), (858, 32730), (884, 32796),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 150

Candidate Starts for Pomar16_31:

(102, 20024), (Start: 130 @20066 has 8 MA's), (Start: 150 @20090 has 625 MA's), (253, 20243), (283, 20324), (284, 20327), (319, 20399), (320, 20402), (330, 20417), (353, 20456), (355, 20462), (401, 20573), (407, 20591), (445, 20660), (487, 20741), (491, 20744), (562, 20900), (580, 20930), (668, 21137), (708, 21263), (753, 21365), (764, 21398), (769, 21413), (778, 21437), (801, 21512), (802, 21515), (805, 21527), (837, 21611), (868, 21689), (877, 21716), (879, 21722), (890, 21767), (894, 21776), (916, 21857),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 140

Candidate Starts for Pons_18:

(Start: 140 @15412 has 9 MA's), (Start: 150 @15415 has 625 MA's), (222, 15514), (245, 15556), (255, 15577), (296, 15694), (351, 15796), (387, 15883), (400, 15913), (409, 15940), (430, 15985), (445, 16003), (458, 16018), (465, 16033), (490, 16090), (500, 16123), (504, 16135), (515, 16165), (567, 16222), (580, 16240), (594, 16270), (606, 16300), (610, 16315), (627, 16363), (657, 16414), (668, 16450), (673, 16465), (678, 16483), (699, 16540), (765, 16669), (769, 16681), (814, 16780), (815, 16783), (821, 16801), (858, 16879), (864, 16906), (879, 16948), (919, 17095), (923, 17101),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 150

Candidate Starts for Poompha_26:

(Start: 130 @17864 has 8 MA's), (Start: 150 @17888 has 625 MA's), (Start: 199 @17945 has 1 MA's), (208, 17960), (237, 18014), (283, 18128), (284, 18131), (320, 18206), (344, 18245), (401, 18377), (445, 18464), (483, 18539), (500, 18578), (514, 18617), (562, 18704), (587, 18749), (613, 18818), (622, 18842), (627, 18854), (631, 18860), (660, 18911), (699, 19034), (701, 19043), (708, 19067), (714, 19073), (719, 19088), (743, 19121), (761, 19172), (780, 19229), (781, 19235), (837, 19397), (877, 19502), (879, 19508), (880, 19517), (916, 19643),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 139

Candidate Starts for PopTart_16:

(Start: 139 @14854 has 218 MA's), (207, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (282, 15115), (284, 15121), (289, 15139), (300, 15169), (353, 15274), (375, 15334), (379, 15343), (382, 15352), (384, 15355), (388, 15364), (398, 15388), (493, 15514), (497, 15529), (499, 15535), (512, 15571), (513, 15574), (516, 15586), (520, 15592), (543, 15640), (550, 15652), (554, 15658), (587, 15718), (592, 15730), (606, 15766), (609, 15778), (645, 15853), (648, 15862), (660, 15880), (662, 15886), (670, 15916), (751, 16021), (752, 16030), (753, 16033), (765, 16069), (792, 16147), (820, 16246), (826, 16267), (843, 16300), (858, 16330), (864, 16360), (867, 16369), (869, 16375), (878, 16390), (879, 16393), (883, 16417), (894, 16447), (899, 16459), (904, 16489), (916, 16531),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 150

Candidate Starts for Popcicle_28:

(Start: 150 @20452 has 625 MA's), (Start: 199 @20512 has 1 MA's), (237, 20581), (279, 20683), (283, 20695), (284, 20698), (320, 20773), (330, 20788), (353, 20827), (407, 20962), (445, 21031), (500, 21145), (562, 21271), (613, 21385), (622, 21409), (627, 21421), (631, 21427), (668, 21508), (696, 21583), (699, 21601), (701, 21610), (708, 21634), (714, 21640), (719, 21655), (734, 21688), (752, 21733), (753, 21736), (761, 21757), (802, 21886), (837, 21982), (877, 22087), (879, 22093), (916, 22228),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 138

Candidate Starts for Porcelain_33:

(Start: 138 @24890 has 76 MA's), (Start: 205 @24980 has 48 MA's), (207, 24983), (242, 25058), (255, 25085), (279, 25151), (292, 25187), (301, 25217), (308, 25232), (347, 25316), (360, 25352), (372, 25379), (390, 25418), (402, 25451), (405, 25460), (427, 25517), (479, 25559), (515, 25634), (520, 25646), (550, 25706), (572, 25760), (589, 25790), (597, 25808), (602, 25817), (610, 25850), (614, 25862), (616, 25868), (631, 25907), (662, 25964), (758, 26114), (763, 26132), (778, 26174), (787, 26198), (788, 26201), (792, 26216), (800, 26246), (809, 26276), (826, 26333), (885, 26483), (919,

26603), (923, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 205

Candidate Starts for Porky_24:

(Start: 144 @19583 has 125 MA's), (Start: 205 @19667 has 48 MA's), (Start: 244 @19745 has 1 MA's), (279, 19832), (284, 19847), (300, 19895), (317, 19934), (359, 20021), (372, 20054), (388, 20090), (400, 20120), (402, 20126), (437, 20195), (495, 20225), (498, 20237), (499, 20240), (520, 20297), (589, 20429), (591, 20435), (614, 20501), (616, 20507), (625, 20531), (648, 20579), (662, 20603), (664, 20612), (688, 20687), (752, 20738), (758, 20753), (809, 20915), (817, 20942), (826, 20972), (868, 21077), (897, 21155), (904, 21191), (907, 21200), (916, 21233), (923, 21248),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 105

Candidate Starts for Portcullis_31:

(86, 25852), (Start: 105 @25894 has 84 MA's), (Start: 129 @25930 has 1 MA's), (Start: 155 @25963 has 12 MA's), (274, 26173), (275, 26176), (283, 26206), (310, 26272), (320, 26296), (326, 26305), (345, 26338), (410, 26491), (430, 26530), (466, 26581), (470, 26593), (480, 26611), (486, 26623), (490, 26635), (495, 26650), (504, 26680), (505, 26683), (513, 26704), (581, 26776), (603, 26824), (647, 26935), (665, 26968), (676, 27007), (677, 27010), (701, 27082), (740, 27148), (744, 27160), (815, 27331), (816, 27334), (834, 27382), (852, 27409), (860, 27436), (861, 27442), (877, 27490), (908, 27607), (914, 27628), (925, 27655),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 119

Candidate Starts for Posh_20:

(Start: 104 @17506 has 1 MA's), (Start: 119 @17530 has 25 MA's), (201, 17635), (224, 17677), (266, 17752), (320, 17866), (387, 18013), (391, 18019), (407, 18064), (483, 18202), (512, 18277), (667, 18559), (674, 18580), (699, 18655), (744, 18742), (759, 18778), (769, 18811), (771, 18817), (804, 18883), (815, 18913), (877, 19069), (879, 19075), (882, 19093), (914, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 140

Candidate Starts for PotPie_18:

(Start: 140 @16277 has 9 MA's), (Start: 150 @16280 has 625 MA's), (222, 16379), (245, 16421), (351, 16661), (387, 16748), (397, 16769), (400, 16778), (409, 16805), (430, 16850), (458, 16883), (465, 16898), (476, 16922), (490, 16955), (500, 16988), (504, 17000), (528, 17057), (580, 17105), (594, 17135), (606, 17165), (610, 17180), (627, 17228), (657, 17279), (668, 17315), (673, 17330), (678, 17348), (699, 17405), (701, 17414), (765, 17534), (769, 17546), (798, 17594), (814, 17645), (815, 17648), (821, 17666), (858, 17744), (864, 17771), (879, 17813), (919, 17960), (923, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 165

Candidate Starts for PotatoChip_34:

(Start: 165 @29329 has 39 MA's), (241, 29428), (273, 29497), (284, 29536), (354, 29671), (378, 29731), (464, 29884), (469, 29896), (473, 29905), (475, 29908), (496, 29953), (501, 29968), (504, 29977), (507, 29986), (531, 30040), (539, 30058), (586, 30112), (681, 30328), (718, 30421), (783, 30529), (805, 30583), (833, 30658), (884, 30787), (922, 30913),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 150

Candidate Starts for PotatoSplit_30:

(Start: 150 @20379 has 625 MA's), (Start: 199 @20436 has 1 MA's), (208, 20451), (226, 20484), (237, 20505), (Start: 244 @20520 has 1 MA's), (279, 20607), (283, 20619), (284, 20622), (320, 20697), (330, 20712), (351, 20748), (445, 20955), (500, 21069), (514, 21108), (562, 21195), (613, 21309), (622, 21333), (631, 21351), (668, 21432), (696, 21507), (699, 21525), (708, 21558), (714, 21564), (727, 21603), (752, 21657), (753, 21660), (761, 21681), (780, 21738), (837, 21906), (877, 22011), (879, 22017), (916, 22152),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 152

Candidate Starts for Poushou_19:

(Start: 152 @17425 has 219 MA's), (182, 17458), (305, 17716), (347, 17794), (400, 17917), (403, 17926), (404, 17929), (407, 17938), (410, 17947), (491, 18088), (495, 18100), (513, 18154), (607, 18289), (617, 18322), (625, 18340), (631, 18352), (640, 18367), (667, 18427), (674, 18448), (676, 18457), (699, 18523), (708, 18556), (743, 18586), (746, 18592), (747, 18595), (769, 18664), (814, 18763), (817, 18772), (878, 18928), (880, 18940),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for Power_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (226, 20217), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (708, 21291), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (837, 21621), (879, 21732), (916, 21867),

Gene: PowerRanger_29 Start: 22638, Stop: 24419, Start Num: 173

Candidate Starts for PowerRanger_29:

(Start: 152 @22617 has 219 MA's), (Start: 173 @22638 has 4 MA's), (Start: 199 @22680 has 1 MA's), (223, 22725), (320, 22941), (347, 22986), (353, 22995), (367, 23034), (391, 23085), (393, 23088), (491, 23283), (514, 23352), (613, 23553), (614, 23556), (622, 23577), (667, 23673), (668, 23676), (670, 23682), (696, 23751), (699, 23769), (701, 23778), (714, 23808), (753, 23904), (764, 23937), (769, 23952), (815, 24093), (837, 24150), (879, 24261),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 162

Candidate Starts for Powerball_19:

(Start: 162 @16819 has 92 MA's), (312, 17077), (323, 17098), (355, 17152), (361, 17170), (368, 17191), (396, 17248), (403, 17269), (526, 17440), (534, 17458), (552, 17482), (575, 17503), (603, 17545), (631, 17626), (667, 17716), (700, 17818), (701, 17821), (722, 17875), (880, 18244), (882, 18253), (884, 18259), (891, 18283), (897, 18295),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 150

Candidate Starts for Priamo_31:

(102, 19953), (Start: 130 @19995 has 8 MA's), (Start: 150 @20019 has 625 MA's), (245, 20157), (273, 20217), (283, 20253), (284, 20256), (319, 20328), (320, 20331), (353, 20385), (355, 20391), (375, 20442), (401, 20502), (403, 20508), (415, 20547), (445, 20589), (467, 20628), (487, 20670), (491, 20673), (509, 20733), (624, 20970), (631, 20985), (668, 21066), (698, 21153), (714, 21198), (769, 21324), (790, 21384), (801, 21423), (802, 21426), (805, 21438), (837, 21522), (877, 21627), (879, 21633), (916, 21768),

Gene: Prinashel1_25 Start: 19626, Stop: 21422, Start Num: 150

Candidate Starts for Prinashel1_25:

(Start: 150 @19626 has 625 MA's), (230, 19731), (245, 19764), (284, 19863), (320, 19938), (330, 19953), (351, 19989), (381, 20061), (387, 20076), (403, 20115), (411, 20142), (419, 20163), (453, 20202), (509, 20340), (513, 20346), (587, 20481), (609, 20538), (610, 20541), (613, 20550), (631, 20592), (640, 20610), (667, 20670), (668, 20673), (699, 20766), (701, 20775), (708, 20799), (752, 20907), (764, 20943), (837, 21153), (876, 21255), (879, 21264), (910, 21378), (916, 21399), (919, 21408),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 177

Candidate Starts for PrincePatrick_19:

(29, 16283), (35, 16313), (36, 16319), (48, 16451), (55, 16508), (57, 16517), (84, 16676), (Start: 141 @16778 has 4 MA's), (Start: 177 @16814 has 46 MA's), (237, 16919), (273, 16997), (291, 17057),

(299, 17069), (300, 17072), (400, 17270), (405, 17285), (410, 17300), (454, 17369), (459, 17381), (462, 17390), (465, 17393), (474, 17414), (495, 17456), (504, 17486), (617, 17669), (627, 17693), (655, 17744), (687, 17837), (695, 17849), (704, 17891), (713, 17909), (766, 18044), (810, 18143), (817, 18161), (837, 18212), (866, 18272), (868, 18278), (894, 18353),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 139

Candidate Starts for Priscilla_16:

(Start: 139 @14816 has 218 MA's), (207, 14903), (Start: 233 @14948 has 2 MA's), (242, 14972), (282, 15077), (284, 15083), (289, 15101), (300, 15131), (353, 15236), (375, 15296), (384, 15317), (388, 15326), (398, 15350), (425, 15425), (427, 15428), (493, 15476), (497, 15491), (499, 15497), (512, 15533), (513, 15536), (516, 15548), (520, 15554), (543, 15602), (550, 15614), (554, 15620), (587, 15680), (592, 15692), (606, 15728), (609, 15740), (645, 15815), (648, 15824), (660, 15842), (662, 15848), (670, 15878), (751, 15983), (753, 15995), (765, 16031), (792, 16109), (826, 16229), (843, 16262), (858, 16292), (864, 16322), (867, 16331), (869, 16337), (878, 16352), (879, 16355), (883, 16379), (894, 16409), (899, 16421), (904, 16451), (916, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for Prithvi_23:

(Start: 118 @17122 has 149 MA's), (Start: 144 @17152 has 125 MA's), (245, 17311), (261, 17344), (274, 17374), (283, 17407), (287, 17419), (325, 17509), (351, 17551), (377, 17614), (381, 17623), (385, 17632), (401, 17671), (415, 17716), (424, 17737), (426, 17740), (467, 17812), (487, 17854), (492, 17860), (500, 17887), (589, 18025), (598, 18043), (609, 18085), (615, 18103), (628, 18133), (643, 18160), (685, 18265), (753, 18424), (765, 18460), (777, 18490), (786, 18499), (815, 18574), (834, 18625), (907, 18820), (917, 18859), (919, 18862), (929, 18880),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 150

Candidate Starts for Priya_30:

(Start: 148 @21777 has 18 MA's), (Start: 150 @21780 has 625 MA's), (283, 22014), (284, 22017), (319, 22089), (320, 22092), (330, 22107), (353, 22146), (355, 22152), (401, 22263), (445, 22350), (487, 22431), (491, 22434), (509, 22494), (580, 22620), (608, 22683), (614, 22707), (616, 22713), (631, 22746), (668, 22827), (708, 22953), (726, 22995), (727, 22998), (753, 23055), (764, 23088), (769, 23103), (801, 23202), (802, 23205), (805, 23217), (837, 23301), (864, 23367), (877, 23406), (879, 23412), (890, 23457), (907, 23514), (908, 23517),

Gene: ProMouse_26 Start: 21605, Stop: 23407, Start Num: 152

Candidate Starts for ProMouse_26:

(Start: 152 @21605 has 219 MA's), (Start: 173 @21626 has 4 MA's), (Start: 199 @21668 has 1 MA's), (223, 21713), (320, 21929), (347, 21974), (391, 22073), (393, 22076), (430, 22169), (491, 22271), (514, 22340), (609, 22529), (613, 22541), (614, 22544), (622, 22565), (667, 22661), (668, 22664), (670, 22670), (696, 22739), (699, 22757), (701, 22766), (714, 22796), (753, 22892), (764, 22925), (769, 22940), (815, 23081), (837, 23138), (879, 23249), (925, 23402),

Gene: Prudy_30 Start: 21974, Stop: 23746, Start Num: 150

Candidate Starts for Prudy_30:

(Start: 130 @21950 has 8 MA's), (Start: 150 @21974 has 625 MA's), (266, 22157), (283, 22208), (284, 22211), (319, 22283), (320, 22286), (353, 22340), (367, 22379), (401, 22457), (445, 22544), (487, 22625), (491, 22628), (580, 22814), (613, 22898), (614, 22901), (631, 22940), (664, 23006), (668, 23021), (708, 23147), (743, 23201), (761, 23252), (764, 23264), (769, 23279), (771, 23285), (790, 23339), (805, 23393), (837, 23477), (864, 23543), (877, 23582), (879, 23588),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 140

Candidate Starts for PsychoKiller_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: Ptowny_24 Start: 19212, Stop: 20807, Start Num: 205

Candidate Starts for Ptowny_24:

(Start: 144 @19128 has 125 MA's), (Start: 205 @19212 has 48 MA's), (Start: 244 @19290 has 1 MA's), (279, 19377), (284, 19392), (300, 19440), (317, 19479), (359, 19566), (372, 19599), (388, 19635), (400, 19665), (402, 19671), (437, 19740), (495, 19770), (498, 19782), (499, 19785), (520, 19842), (589, 19974), (591, 19980), (614, 20046), (616, 20052), (625, 20076), (648, 20124), (662, 20148), (664, 20157), (688, 20232), (752, 20283), (758, 20298), (809, 20460), (817, 20487), (826, 20517), (868, 20622), (897, 20700), (904, 20736), (907, 20745), (916, 20778), (923, 20793),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 150

Candidate Starts for Pukovnik_30:

(Start: 130 @21666 has 8 MA's), (Start: 150 @21690 has 625 MA's), (Start: 244 @21825 has 1 MA's), (253, 21843), (283, 21924), (284, 21927), (319, 21999), (320, 22002), (355, 22062), (401, 22173), (445, 22260), (487, 22341), (491, 22344), (541, 22470), (562, 22500), (664, 22722), (668, 22737), (708, 22863), (714, 22869), (743, 22917), (764, 22980), (769, 22995), (771, 23001), (778, 23019), (790, 23055), (801, 23094), (805, 23109), (837, 23193), (868, 23271), (877, 23298), (879, 23304), (890, 23349),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 105

Candidate Starts for PullumCavea_31:

(86, 25903), (Start: 105 @25945 has 84 MA's), (Start: 129 @25981 has 1 MA's), (Start: 155 @26014 has 12 MA's), (274, 26224), (275, 26227), (283, 26257), (310, 26323), (320, 26347), (326, 26356), (345, 26389), (410, 26542), (430, 26581), (466, 26632), (470, 26644), (480, 26662), (486, 26674), (490, 26686), (495, 26701), (504, 26731), (505, 26734), (513, 26755), (581, 26827), (603, 26875), (647, 26986), (665, 27019), (676, 27058), (677, 27061), (701, 27133), (740, 27199), (744, 27211), (815, 27382), (816, 27385), (834, 27433), (852, 27460), (860, 27487), (877, 27541), (908, 27658), (914, 27679), (925, 27706),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 150

Candidate Starts for Pumbaa_27:

(Start: 130 @19778 has 8 MA's), (Start: 150 @19802 has 625 MA's), (189, 19844), (Start: 199 @19859 has 1 MA's), (230, 19913), (237, 19928), (245, 19946), (279, 20030), (283, 20042), (284, 20045), (320, 20120), (330, 20135), (353, 20174), (401, 20291), (445, 20378), (487, 20459), (505, 20507), (514, 20531), (562, 20618), (587, 20663), (614, 20735), (622, 20756), (631, 20774), (668, 20855), (699, 20948), (701, 20957), (708, 20981), (714, 20987), (722, 21011), (753, 21065), (761, 21086), (778, 21137), (787, 21161), (802, 21215), (837, 21311), (877, 21416), (880, 21431), (911, 21539), (916, 21557),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 205

Candidate Starts for Pumpkin_26:

(Start: 144 @19826 has 125 MA's), (Start: 205 @19910 has 48 MA's), (Start: 244 @19988 has 1 MA's), (279, 20075), (284, 20090), (300, 20138), (317, 20177), (359, 20264), (372, 20297), (388, 20333), (400, 20363), (402, 20369), (437, 20438), (495, 20468), (498, 20480), (499, 20483), (520, 20540), (589, 20672), (591, 20678), (614, 20744), (616, 20750), (625, 20774), (648, 20822), (662, 20846), (664, 20855), (688, 20930), (752, 20981), (758, 20996), (809, 21158), (817, 21185), (826, 21215), (868, 21320), (897, 21398), (904, 21434), (907, 21443), (916, 21476), (923, 21491),

Gene: Pumpkiney_36 Start: 28077, Stop: 29699, Start Num: 172

Candidate Starts for Pumpkiney_36:

(Start: 172 @28077 has 18 MA's), (189, 28098), (197, 28110), (226, 28161), (259, 28224), (283, 28296), (325, 28383), (355, 28434), (365, 28464), (401, 28545), (468, 28671), (485, 28701), (500, 28743), (501, 28746), (525, 28806), (581, 28854), (585, 28863), (627, 28962), (650, 29001), (660, 29013), (696, 29130), (704, 29169), (721, 29208), (764, 29265), (766, 29271), (785, 29304), (792, 29313), (808, 29370), (812, 29382), (830, 29430), (834, 29439), (837, 29445), (850, 29466), (864, 29499), (880, 29544), (916, 29673), (919, 29682),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 163

Candidate Starts for Puppies_18:

(Start: 163 @15139 has 16 MA's), (223, 15235), (296, 15403), (332, 15466), (389, 15589), (445, 15706), (489, 15784), (515, 15859), (532, 15892), (608, 15985), (613, 16006), (668, 16123), (680, 16165), (687, 16183), (695, 16195), (696, 16198), (754, 16303), (757, 16309), (762, 16324), (792, 16381), (880, 16600), (908, 16699),

Gene: Puppet_27 Start: 21164, Stop: 22966, Start Num: 152

Candidate Starts for Puppet_27:

(Start: 152 @21164 has 219 MA's), (Start: 173 @21185 has 4 MA's), (Start: 199 @21227 has 1 MA's), (223, 21272), (320, 21488), (347, 21533), (353, 21542), (367, 21581), (391, 21632), (393, 21635), (491, 21830), (514, 21899), (613, 22100), (614, 22103), (622, 22124), (667, 22220), (668, 22223), (670, 22229), (696, 22298), (699, 22316), (701, 22325), (714, 22355), (753, 22451), (764, 22484), (769, 22499), (815, 22640), (837, 22697), (879, 22808),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 150

Candidate Starts for Puppy_28:

(Start: 150 @19523 has 625 MA's), (Start: 199 @19580 has 1 MA's), (237, 19649), (279, 19751), (283, 19763), (284, 19766), (320, 19841), (330, 19856), (353, 19895), (407, 20030), (445, 20099), (500, 20213), (562, 20339), (622, 20477), (631, 20495), (668, 20576), (696, 20651), (699, 20669), (701, 20678), (708, 20702), (714, 20708), (719, 20723), (734, 20756), (752, 20801), (753, 20804), (761, 20825), (764, 20837), (787, 20900), (837, 21050), (877, 21155), (879, 21161), (916, 21296),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Purgamenstris_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 134

Candidate Starts for Purky_18:

(Start: 134 @15971 has 48 MA's), (197, 16055), (227, 16106), (229, 16109), (259, 16175), (266, 16196), (274, 16214), (283, 16247), (292, 16271), (338, 16379), (342, 16391), (359, 16430), (360, 16436), (372, 16466), (382, 16490), (405, 16547), (406, 16550), (437, 16607), (480, 16646), (493, 16652), (500, 16676), (520, 16730), (531, 16751), (560, 16811), (597, 16889), (621, 16961), (648, 17027), (662, 17051), (668, 17075), (676, 17105), (680, 17117), (763, 17219), (767, 17231), (807, 17357), (836, 17441), (843, 17453), (863, 17510), (923, 17696),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 150

Candidate Starts for PurpleHaze_29:

(Start: 150 @20459 has 625 MA's), (Start: 199 @20516 has 1 MA's), (208, 20531), (237, 20585),
(Start: 244 @20600 has 1 MA's), (279, 20687), (283, 20699), (284, 20702), (320, 20777), (330, 20792),
(445, 21035), (514, 21188), (562, 21275), (608, 21368), (613, 21389), (622, 21413), (627, 21425),
(631, 21431), (668, 21512), (696, 21587), (699, 21605), (701, 21614), (708, 21638), (714, 21644),
(719, 21659), (727, 21683), (752, 21737), (753, 21740), (761, 21761), (877, 22091), (879, 22097),
(916, 22232),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 134

Candidate Starts for Pygmy_18:

(Start: 116 @16084 has 3 MA's), (Start: 134 @16108 has 48 MA's), (184, 16168), (195, 16189), (197,
16192), (259, 16312), (274, 16351), (283, 16384), (292, 16408), (342, 16528), (359, 16567), (360,
16573), (396, 16657), (398, 16663), (402, 16675), (410, 16699), (420, 16726), (437, 16744), (480,
16783), (493, 16789), (500, 16813), (520, 16867), (526, 16879), (531, 16888), (560, 16948), (597,
17026), (609, 17065), (621, 17098), (648, 17164), (659, 17179), (662, 17188), (668, 17212), (676,
17242), (680, 17254), (763, 17356), (767, 17368), (768, 17371), (770, 17377), (774, 17386), (807,
17494), (836, 17578), (874, 17677), (907, 17785), (923, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 119

Candidate Starts for Pytheas_20:

(Start: 104 @17652 has 1 MA's), (Start: 119 @17676 has 25 MA's), (201, 17781), (224, 17823), (266,
17898), (320, 18012), (387, 18159), (391, 18165), (483, 18348), (512, 18423), (667, 18705), (674,
18726), (699, 18801), (759, 18924), (769, 18957), (771, 18963), (804, 19029), (815, 19059), (877,
19215), (879, 19221), (882, 19239), (914, 19350),

Gene: QTRLifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 152

Candidate Starts for QTRLifeCrisis_27:

(Start: 152 @21720 has 219 MA's), (Start: 173 @21741 has 4 MA's), (Start: 199 @21783 has 1 MA's),
(223, 21828), (320, 22044), (347, 22089), (353, 22098), (367, 22137), (391, 22188), (393, 22191),
(491, 22386), (514, 22455), (613, 22656), (614, 22659), (622, 22680), (667, 22776), (668, 22779),
(670, 22785), (696, 22854), (699, 22872), (701, 22881), (714, 22911), (753, 23007), (764, 23040),
(769, 23055), (815, 23196), (837, 23253), (879, 23364),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 148

Candidate Starts for Qobbit_30:

(Start: 148 @21776 has 18 MA's), (Start: 150 @21779 has 625 MA's), (283, 22013), (284, 22016),
(319, 22088), (320, 22091), (330, 22106), (353, 22145), (355, 22151), (401, 22262), (445, 22349),
(487, 22430), (491, 22433), (580, 22619), (608, 22682), (614, 22706), (616, 22712), (631, 22745),
(668, 22826), (708, 22952), (726, 22994), (753, 23054), (764, 23087), (769, 23102), (801, 23201),
(802, 23204), (805, 23216), (837, 23300), (864, 23366), (877, 23405), (879, 23411), (890, 23456),
(907, 23513), (908, 23516),

Gene: Qualification_25 Start: 19952, Stop: 21631, Start Num: 144

Candidate Starts for Qualification_25:

(Start: 144 @19952 has 125 MA's), (Start: 205 @20036 has 48 MA's), (Start: 244 @20114 has 1
MA's), (279, 20201), (284, 20216), (300, 20264), (317, 20303), (359, 20390), (372, 20423), (388,
20459), (400, 20489), (402, 20495), (437, 20564), (495, 20594), (498, 20606), (499, 20609), (520,
20666), (589, 20798), (591, 20804), (614, 20870), (616, 20876), (625, 20900), (648, 20948), (662,
20972), (664, 20981), (688, 21056), (752, 21107), (758, 21122), (809, 21284), (817, 21311), (826,
21341), (868, 21446), (897, 21524), (904, 21560), (907, 21569), (916, 21602), (923, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 150

Candidate Starts for Quasar_18:

(Start: 140 @16338 has 9 MA's), (Start: 150 @16341 has 625 MA's), (274, 16551), (320, 16674), (351, 16725), (387, 16812), (393, 16821), (400, 16842), (405, 16857), (409, 16869), (458, 16947), (462, 16959), (476, 16986), (490, 17019), (500, 17052), (504, 17064), (606, 17229), (633, 17301), (668, 17379), (673, 17394), (678, 17412), (699, 17469), (753, 17562), (765, 17598), (769, 17610), (771, 17616), (777, 17628), (786, 17637), (814, 17709), (815, 17712), (817, 17718), (821, 17730), (852, 17790), (864, 17835), (867, 17844), (879, 17877), (899, 17943),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 150

Candidate Starts for QueenB2_28:

(102, 20170), (Start: 130 @20212 has 8 MA's), (Start: 150 @20236 has 625 MA's), (283, 20470), (284, 20473), (319, 20545), (320, 20548), (353, 20602), (367, 20641), (387, 20686), (401, 20719), (445, 20806), (487, 20887), (491, 20890), (614, 21163), (668, 21283), (708, 21409), (743, 21463), (747, 21472), (753, 21493), (764, 21526), (769, 21541), (771, 21547), (790, 21601), (801, 21640), (805, 21655), (837, 21739), (879, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for QueenBeesly_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (226, 20217), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (708, 21291), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (810, 21552), (837, 21621), (879, 21732), (916, 21867),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 148

Candidate Starts for QueenHazel_19:

(70, 16344), (80, 16371), (82, 16374), (86, 16383), (Start: 128 @16464 has 8 MA's), (Start: 148 @16491 has 18 MA's), (216, 16590), (221, 16599), (252, 16665), (264, 16689), (283, 16749), (284, 16752), (293, 16779), (371, 16959), (382, 16983), (388, 16995), (398, 17019), (493, 17145), (497, 17160), (500, 17169), (513, 17205), (520, 17223), (550, 17283), (634, 17475), (645, 17484), (662, 17517), (752, 17661), (767, 17706), (800, 17808), (803, 17817), (807, 17835), (808, 17838), (846, 17937), (864, 17997), (870, 18015), (878, 18051), (880, 18066), (897, 18114), (914, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 139

Candidate Starts for QuickMath_17:

(Start: 139 @16152 has 218 MA's), (207, 16239), (Start: 233 @16284 has 2 MA's), (242, 16308), (282, 16413), (284, 16419), (289, 16437), (300, 16467), (353, 16572), (355, 16578), (375, 16632), (379, 16641), (384, 16653), (388, 16662), (398, 16686), (441, 16773), (467, 16788), (493, 16812), (497, 16827), (499, 16833), (512, 16869), (513, 16872), (516, 16884), (520, 16890), (543, 16938), (550, 16950), (554, 16956), (587, 17016), (592, 17028), (606, 17064), (609, 17076), (616, 17097), (645, 17151), (648, 17160), (660, 17178), (662, 17184), (670, 17214), (751, 17319), (752, 17328), (753, 17331), (765, 17367), (789, 17433), (792, 17445), (820, 17544), (826, 17565), (843, 17598), (858, 17628), (864, 17658), (867, 17667), (869, 17673), (878, 17688), (879, 17691), (883, 17715), (894, 17745), (899, 17757), (904, 17787), (916, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 139

Candidate Starts for Quico_17:

(Start: 139 @14636 has 218 MA's), (207, 14723), (Start: 233 @14768 has 2 MA's), (242, 14792), (282, 14897), (284, 14903), (289, 14921), (300, 14951), (353, 15056), (375, 15116), (384, 15137), (388, 15146), (398, 15170), (493, 15296), (497, 15311), (499, 15317), (505, 15335), (506, 15338), (512, 15353), (513, 15356), (516, 15368), (520, 15374), (525, 15383), (543, 15422), (550, 15434), (554, 15440), (587, 15500), (606, 15548), (609, 15560), (645, 15635), (648, 15644), (660, 15662), (662, 15668), (670, 15698), (751, 15803), (753, 15815), (765, 15851), (792, 15929), (820, 16028), (826,

16049), (843, 16082), (858, 16112), (864, 16142), (867, 16151), (869, 16157), (878, 16172), (879, 16175), (882, 16196), (883, 16199), (899, 16241), (904, 16271), (916, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 118

Candidate Starts for QuincyRose_22:

(Start: 118 @17168 has 149 MA's), (Start: 144 @17198 has 125 MA's), (245, 17357), (261, 17390), (274, 17420), (283, 17453), (287, 17465), (325, 17555), (351, 17597), (381, 17669), (385, 17678), (401, 17717), (415, 17762), (424, 17783), (426, 17786), (459, 17840), (467, 17858), (487, 17900), (492, 17906), (500, 17933), (589, 18071), (598, 18089), (609, 18131), (615, 18149), (628, 18179), (643, 18206), (685, 18311), (753, 18470), (765, 18506), (786, 18545), (815, 18620), (834, 18671), (907, 18866), (917, 18905), (919, 18908), (929, 18926),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for QuinnKiro_27:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Quokka_26 Start: 19074, Stop: 20864, Start Num: 150

Candidate Starts for Quokka_26:

(102, 19008), (Start: 130 @19050 has 8 MA's), (Start: 150 @19074 has 625 MA's), (245, 19212), (253, 19227), (283, 19308), (284, 19311), (319, 19383), (320, 19386), (353, 19440), (355, 19446), (361, 19464), (387, 19524), (401, 19557), (403, 19563), (415, 19602), (445, 19644), (487, 19725), (491, 19728), (509, 19788), (580, 19914), (613, 19998), (631, 20040), (660, 20091), (668, 20121), (708, 20247), (740, 20310), (764, 20382), (769, 20397), (778, 20421), (801, 20496), (805, 20511), (837, 20595), (877, 20700), (879, 20706), (882, 20724), (890, 20751), (894, 20760),

Gene: RADical_19 Start: 15730, Stop: 17430, Start Num: 140

Candidate Starts for RADical_19:

(Start: 140 @15730 has 9 MA's), (Start: 150 @15733 has 625 MA's), (274, 15943), (320, 16066), (351, 16117), (387, 16204), (393, 16213), (400, 16234), (405, 16249), (409, 16261), (458, 16339), (462, 16351), (476, 16378), (490, 16411), (500, 16444), (504, 16456), (520, 16498), (606, 16621), (633, 16693), (668, 16771), (673, 16786), (678, 16804), (699, 16861), (753, 16954), (765, 16990), (769, 17002), (771, 17008), (777, 17020), (786, 17029), (814, 17101), (815, 17104), (817, 17110), (821, 17122), (852, 17182), (864, 17227), (867, 17236), (879, 17269), (899, 17335),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 176

Candidate Starts for REQ2_20:

(Start: 176 @19089 has 1 MA's), (226, 19173), (245, 19212), (299, 19347), (346, 19428), (373, 19491), (465, 19671), (466, 19674), (467, 19677), (495, 19737), (509, 19785), (567, 19848), (581, 19866), (587, 19878), (603, 19902), (609, 19926), (613, 19938), (627, 19974), (680, 20073), (695, 20103), (696, 20106), (718, 20175), (725, 20196), (764, 20241), (770, 20259), (792, 20289), (808, 20340), (829, 20397), (852, 20439), (910, 20616),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 161

Candidate Starts for REQ3_50:

(Start: 148 @32259 has 18 MA's), (Start: 161 @32274 has 5 MA's), (170, 32283), (272, 32466), (275, 32475), (298, 32538), (305, 32550), (320, 32583), (347, 32625), (351, 32631), (375, 32691), (387, 32718), (391, 32724), (407, 32769), (419, 32805), (443, 32835), (458, 32853), (481, 32904), (495, 32928), (509, 32976), (581, 33054), (641, 33195), (659, 33222), (665, 33243), (667, 33252), (699,

33348), (700, 33354), (714, 33387), (742, 33408), (794, 33522), (817, 33597), (910, 33873), (914, 33885), (919, 33903), (923, 33909),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 181

Candidate Starts for RER2_16:

(Start: 168 @13206 has 10 MA's), (Start: 181 @13221 has 32 MA's), (220, 13290), (241, 13326), (273, 13398), (320, 13512), (383, 13641), (401, 13683), (407, 13701), (410, 13710), (Start: 417 @13734 has 1 MA's), (430, 13752), (455, 13776), (458, 13782), (465, 13797), (466, 13800), (491, 13848), (608, 14049), (614, 14073), (667, 14187), (696, 14265), (704, 14304), (708, 14316), (743, 14346), (769, 14424), (831, 14571), (871, 14670), (877, 14685), (923, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 220

Candidate Starts for RGL3_16:

(Start: 147 @13356 has 1 MA's), (Start: 168 @13368 has 10 MA's), (Start: 181 @13383 has 32 MA's), (220, 13452), (241, 13488), (257, 13521), (273, 13560), (298, 13629), (320, 13674), (330, 13689), (383, 13803), (387, 13812), (411, 13878), (Start: 417 @13896 has 1 MA's), (430, 13914), (458, 13944), (465, 13959), (466, 13962), (483, 14001), (491, 14010), (500, 14040), (587, 14160), (614, 14232), (631, 14271), (660, 14319), (667, 14346), (704, 14463), (708, 14475), (743, 14505), (769, 14583), (831, 14730), (861, 14796), (871, 14829), (877, 14844), (923, 14997),

Gene: RSchmailzl_19 Start: 15873, Stop: 17573, Start Num: 140

Candidate Starts for RSchmailzl_19:

(Start: 140 @15873 has 9 MA's), (Start: 150 @15876 has 625 MA's), (274, 16086), (320, 16209), (325, 16218), (351, 16260), (387, 16347), (393, 16356), (400, 16377), (405, 16392), (409, 16404), (458, 16482), (462, 16494), (476, 16521), (490, 16554), (500, 16587), (504, 16599), (520, 16641), (606, 16764), (633, 16836), (668, 16914), (673, 16929), (678, 16947), (699, 17004), (753, 17097), (765, 17133), (769, 17145), (771, 17151), (777, 17163), (786, 17172), (814, 17244), (815, 17247), (817, 17253), (821, 17265), (852, 17325), (864, 17370), (867, 17379), (879, 17412), (899, 17478),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 112

Candidate Starts for Rabbs_18:

(Start: 112 @16648 has 26 MA's), (Start: 138 @16657 has 76 MA's), (Start: 144 @16663 has 125 MA's), (149, 16669), (208, 16747), (237, 16801), (261, 16852), (274, 16882), (280, 16906), (320, 17008), (344, 17047), (347, 17053), (355, 17068), (419, 17233), (450, 17290), (467, 17329), (487, 17371), (492, 17377), (504, 17416), (569, 17515), (589, 17542), (677, 17770), (685, 17788), (696, 17815), (723, 17899), (742, 17917), (749, 17932), (769, 17995), (802, 18058), (809, 18082), (821, 18115), (837, 18154), (858, 18196), (907, 18343), (929, 18403),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 150

Candidate Starts for Rachaly_31:

(Start: 130 @21810 has 8 MA's), (Start: 150 @21834 has 625 MA's), (266, 22017), (283, 22068), (284, 22071), (319, 22143), (320, 22146), (353, 22200), (367, 22239), (401, 22317), (445, 22404), (487, 22485), (491, 22488), (504, 22530), (580, 22674), (608, 22737), (614, 22761), (631, 22800), (668, 22881), (714, 23013), (764, 23124), (769, 23139), (771, 23145), (781, 23175), (790, 23199), (801, 23238), (805, 23253), (817, 23286), (837, 23337), (868, 23415), (877, 23442), (879, 23448), (894, 23502),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 139

Candidate Starts for Radiance_16:

(Start: 139 @14789 has 218 MA's), (207, 14876), (Start: 233 @14921 has 2 MA's), (242, 14945), (266, 15002), (282, 15050), (284, 15056), (289, 15074), (300, 15104), (353, 15209), (375, 15269), (379, 15278), (388, 15299), (398, 15323), (410, 15359), (411, 15365), (425, 15398), (427, 15401), (441, 15410), (467, 15425), (474, 15431), (493, 15449), (497, 15464), (499, 15470), (505, 15488), (506,

15491), (512, 15506), (513, 15509), (516, 15521), (520, 15527), (543, 15575), (550, 15587), (554, 15593), (587, 15653), (592, 15665), (606, 15701), (609, 15713), (645, 15788), (648, 15797), (660, 15815), (662, 15821), (670, 15851), (751, 15956), (752, 15965), (753, 15968), (765, 16004), (792, 16082), (820, 16181), (826, 16202), (843, 16235), (858, 16265), (864, 16295), (867, 16304), (869, 16310), (878, 16325), (879, 16328), (883, 16352), (894, 16382), (899, 16394), (904, 16424), (916, 16466),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for Rahalelujah_27:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (223, 19702), (226, 19705), (274, 19807), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (405, 20101), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (580, 20446), (608, 20509), (614, 20533), (627, 20566), (631, 20572), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (864, 21193), (877, 21232), (879, 21238), (890, 21283),

Gene: Raid_28 Start: 21169, Stop: 22971, Start Num: 152

Candidate Starts for Raid_28:

(Start: 152 @21169 has 219 MA's), (Start: 173 @21190 has 4 MA's), (Start: 199 @21232 has 1 MA's), (223, 21277), (320, 21493), (347, 21538), (353, 21547), (367, 21586), (391, 21637), (393, 21640), (491, 21835), (514, 21904), (613, 22105), (614, 22108), (622, 22129), (667, 22225), (668, 22228), (670, 22234), (696, 22303), (699, 22321), (701, 22330), (714, 22360), (753, 22456), (764, 22489), (769, 22504), (815, 22645), (837, 22702), (879, 22813),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 152

Candidate Starts for Rajelicia_27:

(Start: 152 @20881 has 219 MA's), (Start: 173 @20902 has 4 MA's), (Start: 199 @20944 has 1 MA's), (223, 20989), (320, 21205), (347, 21250), (353, 21259), (391, 21349), (393, 21352), (430, 21445), (491, 21547), (514, 21616), (609, 21805), (613, 21817), (614, 21820), (622, 21841), (667, 21937), (668, 21940), (670, 21946), (696, 22015), (699, 22033), (701, 22042), (714, 22072), (753, 22168), (764, 22201), (769, 22216), (815, 22357), (837, 22414), (879, 22525),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 205

Candidate Starts for Rakim_25:

(Start: 144 @19859 has 125 MA's), (Start: 205 @19943 has 48 MA's), (Start: 244 @20021 has 1 MA's), (279, 20108), (284, 20123), (300, 20171), (317, 20210), (359, 20297), (372, 20330), (388, 20366), (400, 20396), (402, 20402), (437, 20471), (495, 20501), (498, 20513), (499, 20516), (520, 20573), (589, 20705), (591, 20711), (614, 20777), (616, 20783), (625, 20807), (648, 20855), (662, 20879), (664, 20888), (688, 20963), (752, 21014), (758, 21029), (809, 21191), (817, 21218), (826, 21248), (868, 21353), (897, 21431), (904, 21467), (907, 21476), (916, 21509), (923, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 118

Candidate Starts for Ramen_23:

(Start: 118 @17154 has 149 MA's), (Start: 144 @17184 has 125 MA's), (245, 17343), (261, 17376), (274, 17406), (283, 17439), (287, 17451), (325, 17541), (351, 17583), (381, 17655), (385, 17664), (401, 17703), (415, 17748), (424, 17769), (426, 17772), (459, 17826), (467, 17844), (487, 17886), (492, 17892), (500, 17919), (589, 18057), (598, 18075), (609, 18117), (615, 18135), (628, 18165), (643, 18192), (685, 18297), (753, 18456), (765, 18492), (777, 18522), (786, 18531), (815, 18606), (834, 18657), (907, 18852), (917, 18891), (919, 18894), (929, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 139

Candidate Starts for Ramsey_17:

(Start: 139 @14835 has 218 MA's), (207, 14922), (Start: 233 @14967 has 2 MA's), (242, 14991), (282, 15096), (284, 15102), (289, 15120), (300, 15150), (353, 15255), (375, 15315), (384, 15336), (388, 15345), (398, 15369), (425, 15444), (493, 15495), (497, 15510), (499, 15516), (512, 15552), (513, 15555), (516, 15567), (520, 15573), (543, 15621), (550, 15633), (554, 15639), (587, 15699), (592, 15711), (606, 15747), (609, 15759), (645, 15834), (648, 15843), (660, 15861), (662, 15867), (670, 15897), (751, 16002), (753, 16014), (765, 16050), (792, 16128), (820, 16227), (826, 16248), (843, 16281), (858, 16311), (864, 16341), (866, 16347), (867, 16350), (869, 16356), (878, 16371), (879, 16374), (882, 16395), (883, 16398), (899, 16440), (916, 16512), (917, 16518),

Gene: RanchParmCat_21 Start: 15469, Stop: 17157, Start Num: 150

Candidate Starts for RanchParmCat_21:

(49, 15154), (120, 15439), (Start: 140 @15466 has 9 MA's), (Start: 150 @15469 has 625 MA's), (213, 15553), (274, 15676), (283, 15709), (298, 15754), (375, 15910), (387, 15937), (400, 15967), (430, 16039), (458, 16069), (462, 16081), (476, 16108), (500, 16174), (533, 16255), (582, 16297), (587, 16306), (596, 16324), (611, 16369), (649, 16453), (666, 16489), (667, 16492), (668, 16495), (670, 16501), (673, 16510), (678, 16528), (699, 16585), (765, 16714), (769, 16726), (775, 16741), (786, 16753), (814, 16825), (815, 16828), (816, 16831), (821, 16846), (858, 16927), (879, 16996), (880, 17005), (916, 17134), (923, 17149),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Rapunzel97_23:

(Start: 118 @17155 has 149 MA's), (Start: 144 @17185 has 125 MA's), (245, 17344), (261, 17377), (274, 17407), (283, 17440), (287, 17452), (325, 17542), (351, 17584), (381, 17656), (385, 17665), (401, 17704), (415, 17749), (424, 17770), (426, 17773), (459, 17827), (467, 17845), (487, 17887), (492, 17893), (500, 17920), (589, 18058), (598, 18076), (609, 18118), (615, 18136), (628, 18166), (643, 18193), (685, 18298), (753, 18457), (765, 18493), (777, 18523), (786, 18532), (815, 18607), (834, 18658), (880, 18757), (907, 18853), (917, 18892), (919, 18895), (929, 18913),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 181

Candidate Starts for Rasputin_23:

(Start: 168 @16302 has 10 MA's), (Start: 181 @16317 has 32 MA's), (220, 16386), (241, 16422), (320, 16608), (383, 16737), (401, 16779), (410, 16806), (Start: 417 @16830 has 1 MA's), (430, 16848), (458, 16878), (465, 16893), (491, 16944), (520, 17028), (608, 17145), (614, 17169), (667, 17283), (682, 17331), (696, 17361), (704, 17400), (708, 17412), (743, 17442), (769, 17520), (831, 17667), (844, 17691), (860, 17727), (871, 17766), (923, 17934),

Gene: Rattrick_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Rattrick_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Ravana_31 Start: 19057, Stop: 20844, Start Num: 150

Candidate Starts for Ravana_31:

(102, 18991), (Start: 130 @19033 has 8 MA's), (Start: 150 @19057 has 625 MA's), (245, 19195), (272, 19252), (284, 19294), (300, 19330), (320, 19369), (357, 19438), (367, 19462), (393, 19516), (467, 19666), (491, 19711), (500, 19741), (513, 19777), (536, 19828), (561, 19864), (587, 19912), (610, 19972), (667, 20101), (696, 20179), (769, 20380), (771, 20386), (802, 20482), (866, 20647), (897, 20746),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 165

Candidate Starts for RavenCo17_17:

(67, 15379), (79, 15415), (Start: 165 @15550 has 39 MA's), (239, 15667), (299, 15817), (355, 15913), (363, 15940), (403, 16030), (404, 16033), (408, 16045), (495, 16219), (546, 16336), (568, 16360), (603, 16408), (648, 16525), (668, 16582), (680, 16621), (700, 16678), (764, 16807), (867, 17062), (868, 17065), (882, 17113), (891, 17143),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 157

Candidate Starts for RayTheFireFly_19:

(Start: 129 @17499 has 1 MA's), (Start: 157 @17529 has 7 MA's), (226, 17631), (249, 17682), (275, 17739), (289, 17790), (325, 17868), (330, 17874), (400, 18024), (466, 18147), (492, 18207), (503, 18243), (518, 18285), (565, 18327), (581, 18351), (596, 18381), (699, 18642), (736, 18717), (757, 18759), (771, 18804), (815, 18900), (816, 18903), (821, 18918), (881, 19077), (882, 19083), (908, 19170), (923, 19215),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Raymond7_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592), (899, 16598),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 150

Candidate Starts for ReMo_30:

(102, 19027), (Start: 130 @19069 has 8 MA's), (Start: 150 @19093 has 625 MA's), (245, 19231), (272, 19288), (284, 19330), (300, 19366), (320, 19405), (357, 19474), (367, 19498), (393, 19552), (467, 19702), (491, 19747), (500, 19777), (513, 19813), (536, 19864), (561, 19900), (587, 19948), (610, 20008), (667, 20137), (696, 20215), (769, 20416), (771, 20422), (802, 20518), (866, 20683), (897, 20782),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 138

Candidate Starts for Rearden_31:

(Start: 138 @23859 has 76 MA's), (Start: 205 @23949 has 48 MA's), (207, 23952), (255, 24054), (279, 24120), (292, 24156), (301, 24186), (308, 24201), (345, 24282), (347, 24285), (360, 24321), (372, 24348), (390, 24387), (402, 24420), (405, 24429), (427, 24486), (479, 24528), (515, 24603), (520, 24615), (550, 24675), (572, 24729), (589, 24759), (597, 24777), (602, 24786), (610, 24819), (614, 24831), (616, 24837), (631, 24876), (662, 24933), (758, 25083), (763, 25101), (778, 25143), (787, 25167), (788, 25170), (792, 25185), (800, 25215), (809, 25245), (826, 25302), (885, 25452), (923, 25578),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 150

Candidate Starts for Reba_30:

(Start: 150 @20125 has 625 MA's), (Start: 199 @20182 has 1 MA's), (208, 20197), (237, 20251), (Start: 244 @20266 has 1 MA's), (279, 20353), (283, 20365), (284, 20368), (320, 20443), (330, 20458), (445, 20701), (514, 20854), (562, 20941), (608, 21034), (613, 21055), (622, 21079), (627, 21091), (631, 21097), (668, 21178), (696, 21253), (699, 21271), (701, 21280), (708, 21304), (714, 21310), (727, 21349), (752, 21403), (753, 21406), (761, 21427), (837, 21652), (877, 21757), (879, 21763), (916, 21898),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 144

Candidate Starts for Rebel_18:

(Start: 144 @14990 has 125 MA's), (Start: 169 @15017 has 1 MA's), (195, 15056), (Start: 233 @15122 has 2 MA's), (236, 15134), (252, 15170), (264, 15194), (274, 15221), (279, 15242), (282, 15251), (284, 15257), (295, 15290), (371, 15464), (375, 15470), (379, 15479), (382, 15488), (388, 15500), (398, 15524), (411, 15566), (425, 15599), (493, 15650), (494, 15653), (497, 15665), (512, 15707), (516, 15722), (520, 15728), (543, 15776), (564, 15830), (587, 15854), (613, 15926), (634, 15980), (645, 15989), (648, 15998), (662, 16022), (669, 16049), (670, 16052), (751, 16157), (752, 16166), (765, 16205), (793, 16286), (808, 16343), (820, 16382), (864, 16496), (878, 16526), (879, 16529), (883, 16553), (897, 16589),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 150

Candidate Starts for Rebeuca_28:

(Start: 150 @19987 has 625 MA's), (Start: 199 @20044 has 1 MA's), (208, 20059), (226, 20092), (237, 20113), (279, 20215), (283, 20227), (284, 20230), (320, 20305), (330, 20320), (353, 20359), (401, 20476), (405, 20488), (407, 20494), (445, 20563), (474, 20617), (483, 20638), (500, 20677), (514, 20716), (562, 20803), (587, 20848), (608, 20896), (613, 20917), (622, 20941), (627, 20953), (631, 20959), (668, 21040), (699, 21133), (701, 21142), (708, 21166), (714, 21172), (719, 21187), (743, 21220), (761, 21271), (766, 21289), (815, 21439), (837, 21496), (853, 21520), (855, 21526), (877, 21601), (879, 21607), (880, 21616), (897, 21667), (916, 21742),

Gene: RedBaron_19 Start: 15773, Stop: 17473, Start Num: 140

Candidate Starts for RedBaron_19:

(120, 15746), (Start: 140 @15773 has 9 MA's), (Start: 150 @15776 has 625 MA's), (274, 15986), (320, 16109), (351, 16160), (387, 16247), (405, 16292), (409, 16304), (458, 16382), (462, 16394), (476, 16421), (490, 16454), (500, 16487), (504, 16499), (520, 16541), (606, 16664), (633, 16736), (668, 16814), (673, 16829), (678, 16847), (699, 16904), (753, 16997), (765, 17033), (769, 17045), (771, 17051), (777, 17063), (786, 17072), (814, 17144), (815, 17147), (817, 17153), (821, 17165), (852, 17225), (864, 17270), (867, 17279), (879, 17312), (899, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 139

Candidate Starts for RedBird_16:

(Start: 139 @14766 has 218 MA's), (207, 14853), (Start: 233 @14898 has 2 MA's), (242, 14922), (282, 15027), (284, 15033), (289, 15051), (300, 15081), (353, 15186), (375, 15246), (384, 15267), (388, 15276), (398, 15300), (493, 15426), (497, 15441), (499, 15447), (512, 15483), (513, 15486), (516, 15498), (520, 15504), (543, 15552), (550, 15564), (554, 15570), (587, 15630), (592, 15642), (606, 15678), (609, 15690), (645, 15765), (648, 15774), (660, 15792), (662, 15798), (670, 15828), (751, 15933), (752, 15942), (753, 15945), (765, 15981), (792, 16059), (820, 16158), (826, 16179), (843, 16212), (858, 16242), (864, 16272), (867, 16281), (869, 16287), (878, 16302), (879, 16305), (883, 16329), (899, 16371), (904, 16401), (916, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 162

Candidate Starts for RedRaider_48:

(Start: 162 @32716 has 92 MA's), (237, 32833), (273, 32911), (355, 33073), (358, 33085), (363, 33100), (398, 33166), (403, 33181), (461, 33292), (475, 33322), (477, 33325), (501, 33382), (531, 33454), (603, 33559), (648, 33646), (666, 33694), (706, 33820), (707, 33823), (733, 33856), (766, 33913), (821, 34042), (837, 34081), (883, 34186), (902, 34249), (904, 34261), (908, 34273), (923, 34318),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 150

Candidate Starts for RedRock_31:

(Start: 130 @22076 has 8 MA's), (Start: 150 @22100 has 625 MA's), (266, 22283), (284, 22337), (319, 22409), (320, 22412), (353, 22466), (355, 22472), (367, 22505), (401, 22583), (403, 22589), (407,

22601), (445, 22670), (483, 22745), (487, 22751), (491, 22754), (504, 22796), (581, 22943), (613, 23024), (614, 23027), (631, 23066), (664, 23132), (668, 23147), (714, 23279), (743, 23327), (761, 23378), (764, 23390), (769, 23405), (771, 23411), (790, 23465), (805, 23519), (837, 23603), (864, 23669), (877, 23708), (879, 23714),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Redi_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 138

Candidate Starts for Redno2_35:

(Start: 138 @27084 has 76 MA's), (Start: 205 @27174 has 48 MA's), (230, 27222), (242, 27252), (292, 27381), (301, 27411), (347, 27510), (360, 27546), (372, 27573), (402, 27645), (405, 27654), (411, 27675), (474, 27744), (499, 27783), (500, 27786), (505, 27801), (520, 27840), (543, 27888), (550, 27900), (554, 27906), (572, 27954), (577, 27963), (589, 27984), (597, 28002), (612, 28050), (660, 28152), (680, 28224), (698, 28269), (700, 28281), (710, 28416), (711, 28422), (712, 28446), (739, 28518), (750, 28545), (828, 28794),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 150

Candidate Starts for Refuge_31:

(102, 23046), (Start: 130 @23088 has 8 MA's), (137, 23097), (Start: 150 @23112 has 625 MA's), (253, 23265), (283, 23346), (284, 23349), (319, 23421), (320, 23424), (353, 23478), (355, 23484), (401, 23595), (445, 23682), (487, 23763), (491, 23766), (631, 24078), (668, 24159), (673, 24174), (757, 24378), (764, 24402), (769, 24417), (771, 24423), (778, 24441), (780, 24447), (801, 24516), (805, 24531), (817, 24564), (837, 24615), (916, 24861),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for Relief_27:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 117

Candidate Starts for Rem711_25:

(Start: 117 @19029 has 24 MA's), (194, 19101), (258, 19221), (323, 19401), (356, 19464), (378, 19515), (387, 19536), (405, 19581), (467, 19698), (468, 19701), (504, 19785), (505, 19788), (510, 19803), (516, 19821), (701, 20205), (702, 20211), (773, 20364), (824, 20484), (831, 20502), (897, 20655), (917, 20739), (919, 20742), (929, 20760),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 150

Candidate Starts for Remus_30:

(102, 18991), (Start: 130 @19033 has 8 MA's), (Start: 150 @19057 has 625 MA's), (245, 19195), (272, 19252), (284, 19294), (300, 19330), (320, 19369), (357, 19438), (367, 19462), (393, 19516), (467,

19666), (491, 19711), (500, 19741), (513, 19777), (536, 19828), (561, 19864), (587, 19912), (610, 19972), (667, 20101), (696, 20179), (769, 20380), (771, 20386), (802, 20482), (866, 20647), (897, 20746),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Remy19_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Renaissance_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 115

Candidate Starts for Reptar3000_24:

(Start: 96 @18327 has 3 MA's), (Start: 112 @18357 has 26 MA's), (Start: 115 @18363 has 20 MA's), (Start: 118 @18366 has 149 MA's), (208, 18468), (230, 18507), (237, 18522), (245, 18540), (261, 18573), (274, 18603), (287, 18648), (325, 18738), (330, 18744), (347, 18774), (375, 18840), (381, 18852), (433, 18987), (465, 19035), (467, 19041), (492, 19089), (504, 19128), (599, 19278), (610, 19317), (616, 19335), (627, 19362), (659, 19437), (685, 19518), (701, 19572), (719, 19617), (741, 19653), (744, 19662), (764, 19719), (777, 19752), (786, 19761), (810, 19824), (815, 19836), (834, 19887), (837, 19893), (880, 19986), (882, 19995), (917, 20121), (929, 20142),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for ResDef_28:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 150

Candidate Starts for Retro23_28:

(Start: 130 @20242 has 8 MA's), (Start: 150 @20266 has 625 MA's), (283, 20500), (284, 20503), (319, 20575), (320, 20578), (353, 20632), (367, 20671), (387, 20716), (401, 20749), (445, 20836), (487, 20917), (491, 20920), (614, 21193), (668, 21313), (708, 21439), (743, 21493), (764, 21556), (769, 21571), (771, 21577), (790, 21631), (801, 21670), (805, 21685), (837, 21769), (879, 21880), (916, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 181

Candidate Starts for RexFury_23:

(Start: 168 @16365 has 10 MA's), (Start: 181 @16380 has 32 MA's), (220, 16449), (241, 16485), (273, 16557), (320, 16671), (383, 16800), (401, 16842), (407, 16860), (410, 16869), (Start: 417 @16893 has

1 MA's), (430, 16911), (455, 16935), (458, 16941), (465, 16956), (466, 16959), (491, 17007), (608, 17208), (614, 17232), (667, 17346), (696, 17424), (704, 17463), (708, 17475), (743, 17505), (769, 17583), (831, 17730), (871, 17829), (877, 17844), (923, 17997),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 163

Candidate Starts for Reyja_19:

(Start: 163 @15160 has 16 MA's), (226, 15259), (239, 15283), (283, 15394), (284, 15397), (290, 15415), (296, 15424), (333, 15490), (341, 15505), (346, 15514), (349, 15520), (381, 15592), (389, 15610), (409, 15664), (411, 15673), (445, 15727), (467, 15763), (468, 15766), (513, 15874), (578, 15946), (581, 15952), (585, 15961), (594, 15979), (631, 16069), (667, 16138), (680, 16183), (687, 16201), (695, 16213), (716, 16279), (757, 16327), (761, 16339), (764, 16351), (771, 16372), (777, 16384), (792, 16399), (802, 16429), (814, 16465), (890, 16654), (908, 16717), (914, 16738), (923, 16762),

Gene: Rhodalya_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Rhodalya_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 150

Candidate Starts for RhynO_28:

(Start: 150 @19944 has 625 MA's), (Start: 199 @20001 has 1 MA's), (208, 20016), (226, 20049), (237, 20070), (279, 20172), (283, 20184), (284, 20187), (320, 20262), (330, 20277), (353, 20316), (401, 20433), (407, 20451), (445, 20520), (474, 20574), (483, 20595), (500, 20634), (514, 20673), (562, 20760), (587, 20805), (608, 20853), (613, 20874), (622, 20898), (627, 20910), (631, 20916), (668, 20997), (699, 21090), (701, 21099), (708, 21123), (714, 21129), (719, 21144), (743, 21177), (761, 21228), (766, 21246), (781, 21291), (815, 21396), (837, 21453), (853, 21477), (855, 21483), (877, 21558), (879, 21564), (880, 21573), (897, 21624), (916, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 152

Candidate Starts for Rhynn_27:

(Start: 152 @21169 has 219 MA's), (Start: 173 @21190 has 4 MA's), (Start: 199 @21232 has 1 MA's), (223, 21277), (320, 21493), (347, 21538), (353, 21547), (367, 21586), (391, 21637), (393, 21640), (491, 21835), (514, 21904), (613, 22105), (614, 22108), (622, 22129), (667, 22225), (668, 22228), (670, 22234), (696, 22303), (699, 22321), (701, 22330), (714, 22360), (753, 22456), (764, 22489), (769, 22504), (815, 22645), (837, 22702), (879, 22813),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 139

Candidate Starts for Rialto_18:

(Start: 139 @15316 has 218 MA's), (207, 15403), (218, 15424), (Start: 233 @15448 has 2 MA's), (242, 15472), (248, 15493), (282, 15577), (284, 15583), (289, 15601), (300, 15631), (353, 15736), (375, 15796), (384, 15817), (388, 15826), (398, 15850), (425, 15925), (427, 15928), (441, 15937), (467, 15952), (474, 15958), (493, 15976), (497, 15991), (499, 15997), (506, 16018), (512, 16033), (516, 16048), (520, 16054), (543, 16102), (550, 16114), (554, 16120), (587, 16180), (592, 16192), (606, 16228), (609, 16240), (645, 16315), (648, 16324), (660, 16342), (662, 16348), (670, 16378), (751, 16483), (753, 16495), (765, 16531), (792, 16609), (826, 16729), (843, 16762), (858, 16792), (860, 16804), (864, 16822), (866, 16828), (867, 16831), (869, 16837), (878, 16852), (879, 16855), (882, 16876), (883, 16879), (899, 16921), (904, 16951), (916, 16993), (917, 16999),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 105

Candidate Starts for Ribeye_35:

(Start: 105 @30796 has 84 MA's), (Start: 129 @30832 has 1 MA's), (220, 30961), (226, 30970), (272, 31066), (275, 31075), (296, 31144), (320, 31195), (347, 31240), (355, 31255), (361, 31273), (391, 31336), (407, 31381), (410, 31390), (480, 31510), (487, 31525), (495, 31549), (504, 31579), (631, 31801), (641, 31819), (647, 31834), (667, 31876), (676, 31906), (723, 32026), (766, 32119), (815, 32230), (816, 32233), (834, 32281), (852, 32308), (860, 32335), (877, 32389),

Gene: Richarlison_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Richarlison_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Richo_23:

(Start: 112 @16505 has 26 MA's), (Start: 118 @16514 has 149 MA's), (Start: 121 @16520 has 44 MA's), (Start: 144 @16544 has 125 MA's), (Start: 181 @16583 has 32 MA's), (230, 16670), (237, 16685), (245, 16703), (261, 16736), (325, 16901), (347, 16937), (381, 17015), (385, 17024), (424, 17129), (426, 17132), (449, 17171), (465, 17198), (467, 17204), (487, 17246), (492, 17252), (500, 17279), (589, 17417), (598, 17435), (628, 17525), (643, 17552), (662, 17585), (685, 17657), (701, 17711), (716, 17747), (724, 17771), (753, 17816), (764, 17849), (769, 17864), (777, 17882), (786, 17891), (815, 17966), (834, 18017), (837, 18023), (882, 18125), (917, 18251), (919, 18254), (929, 18272),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 152

Candidate Starts for RidgeCB_27:

(Start: 152 @20944 has 219 MA's), (Start: 173 @20965 has 4 MA's), (Start: 199 @21007 has 1 MA's), (223, 21052), (320, 21268), (347, 21313), (353, 21322), (367, 21361), (391, 21412), (393, 21415), (491, 21610), (514, 21679), (613, 21880), (614, 21883), (622, 21904), (667, 22000), (668, 22003), (670, 22009), (696, 22078), (699, 22096), (701, 22105), (714, 22135), (753, 22231), (764, 22264), (769, 22279), (815, 22420), (837, 22477), (879, 22588), (925, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 150

Candidate Starts for Rifter_31:

(102, 19896), (Start: 130 @19938 has 8 MA's), (Start: 150 @19962 has 625 MA's), (284, 20199), (319, 20271), (320, 20274), (330, 20289), (353, 20328), (355, 20334), (401, 20445), (403, 20451), (415, 20490), (445, 20532), (467, 20571), (487, 20613), (491, 20616), (562, 20772), (624, 20913), (631, 20928), (714, 21141), (761, 21240), (769, 21267), (788, 21318), (790, 21327), (801, 21366), (805, 21381), (877, 21570), (879, 21576), (916, 21711),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 144

Candidate Starts for Rimmer_23:

(Start: 144 @19312 has 125 MA's), (Start: 205 @19396 has 48 MA's), (Start: 244 @19474 has 1 MA's), (279, 19561), (284, 19576), (300, 19624), (317, 19663), (359, 19750), (372, 19783), (388, 19819), (400, 19849), (402, 19855), (437, 19924), (495, 19954), (498, 19966), (499, 19969), (520, 20026), (589, 20158), (591, 20164), (614, 20230), (616, 20236), (625, 20260), (648, 20308), (662, 20332), (664, 20341), (688, 20416), (752, 20467), (758, 20482), (809, 20644), (817, 20671), (826, 20701), (868, 20806), (897, 20884), (904, 20920), (907, 20929), (916, 20962), (923, 20977),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 152

Candidate Starts for Ringer_27:

(Start: 152 @21821 has 219 MA's), (Start: 173 @21842 has 4 MA's), (Start: 199 @21884 has 1 MA's), (223, 21929), (320, 22145), (347, 22190), (353, 22199), (367, 22238), (391, 22289), (393, 22292), (491, 22487), (514, 22556), (613, 22757), (614, 22760), (622, 22781), (667, 22877), (668, 22880), (670, 22886), (696, 22955), (699, 22973), (701, 22982), (714, 23012), (753, 23108), (764, 23141), (769, 23156), (815, 23297), (837, 23354), (879, 23465), (925, 23618),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 139

Candidate Starts for Rita_16:

(Start: 139 @14819 has 218 MA's), (207, 14906), (Start: 233 @14951 has 2 MA's), (242, 14975), (282, 15080), (284, 15086), (289, 15104), (293, 15113), (300, 15134), (353, 15239), (375, 15299), (384, 15320), (388, 15329), (398, 15353), (493, 15479), (497, 15494), (499, 15500), (512, 15536), (513, 15539), (516, 15551), (520, 15557), (543, 15605), (550, 15617), (554, 15623), (587, 15683), (592, 15695), (606, 15731), (609, 15743), (645, 15818), (648, 15827), (660, 15845), (662, 15851), (670, 15881), (751, 15986), (752, 15995), (753, 15998), (765, 16034), (792, 16112), (820, 16211), (826, 16232), (843, 16265), (858, 16295), (864, 16325), (867, 16334), (869, 16340), (878, 16355), (879, 16358), (883, 16382), (894, 16412), (899, 16424), (904, 16454), (916, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 139

Candidate Starts for RitaG_16:

(Start: 139 @14948 has 218 MA's), (207, 15035), (Start: 233 @15080 has 2 MA's), (242, 15104), (282, 15209), (284, 15215), (289, 15233), (300, 15263), (353, 15368), (371, 15422), (375, 15428), (384, 15449), (388, 15458), (398, 15482), (493, 15608), (497, 15623), (499, 15629), (512, 15665), (513, 15668), (516, 15680), (520, 15686), (543, 15734), (550, 15746), (554, 15752), (587, 15812), (592, 15824), (606, 15860), (609, 15872), (645, 15947), (648, 15956), (660, 15974), (662, 15980), (670, 16010), (751, 16115), (753, 16127), (765, 16163), (792, 16241), (826, 16361), (843, 16394), (858, 16424), (860, 16436), (864, 16454), (867, 16463), (869, 16469), (878, 16484), (879, 16487), (883, 16511), (899, 16553), (904, 16583), (916, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 205

Candidate Starts for RiverMonster_24:

(Start: 144 @19501 has 125 MA's), (Start: 205 @19585 has 48 MA's), (Start: 244 @19663 has 1 MA's), (279, 19750), (284, 19765), (300, 19813), (317, 19852), (359, 19939), (372, 19972), (388, 20008), (400, 20038), (402, 20044), (437, 20113), (495, 20143), (498, 20155), (499, 20158), (520, 20215), (589, 20347), (591, 20353), (614, 20419), (616, 20425), (625, 20449), (648, 20497), (662, 20521), (664, 20530), (688, 20605), (752, 20656), (758, 20671), (809, 20833), (817, 20860), (826, 20890), (868, 20995), (897, 21073), (904, 21109), (907, 21118), (916, 21151), (923, 21166),

Gene: RiverRaider_35 Start: 29083, Stop: 30846, Start Num: 105

Candidate Starts for RiverRaider_35:

(97, 29065), (Start: 105 @29083 has 84 MA's), (Start: 129 @29119 has 1 MA's), (220, 29248), (226, 29257), (272, 29353), (275, 29362), (296, 29431), (298, 29437), (320, 29482), (326, 29491), (347, 29527), (391, 29623), (407, 29668), (410, 29677), (480, 29797), (487, 29812), (490, 29821), (495, 29836), (504, 29866), (606, 30022), (641, 30106), (647, 30121), (664, 30151), (665, 30154), (668, 30166), (758, 30379), (766, 30406), (815, 30517), (816, 30520), (852, 30595), (860, 30622), (877, 30676), (916, 30823),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 175

Candidate Starts for RoadKill_30:

(Start: 175 @27051 has 10 MA's), (189, 27072), (226, 27135), (279, 27258), (283, 27270), (310, 27327), (355, 27405), (363, 27432), (405, 27528), (468, 27642), (485, 27672), (502, 27720), (525, 27777), (581, 27825), (585, 27834), (609, 27885), (627, 27933), (695, 28098), (701, 28128), (764, 28236), (765, 28239), (792, 28284), (808, 28341), (810, 28347), (812, 28353), (830, 28401), (834,

28410), (837, 28416), (840, 28419), (864, 28470), (880, 28515), (900, 28584), (913, 28632), (916, 28644),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 150

Candidate Starts for Roary_24:

(Start: 130 @18595 has 8 MA's), (Start: 150 @18619 has 625 MA's), (222, 18712), (245, 18757), (284, 18856), (300, 18892), (320, 18931), (330, 18946), (351, 18982), (401, 19102), (403, 19108), (467, 19228), (520, 19357), (562, 19429), (613, 19543), (699, 19759), (708, 19792), (753, 19894), (764, 19927), (769, 19942), (780, 19972), (876, 20242), (879, 20251), (880, 20260), (913, 20374),

Gene: RockieBear_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for RockieBear_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 139

Candidate Starts for Rockne_16:

(Start: 139 @14790 has 218 MA's), (207, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (266, 15003), (282, 15051), (284, 15057), (289, 15075), (300, 15105), (324, 15159), (353, 15210), (371, 15264), (375, 15270), (379, 15279), (388, 15300), (398, 15324), (410, 15360), (411, 15366), (425, 15399), (427, 15402), (441, 15411), (467, 15426), (474, 15432), (493, 15450), (497, 15465), (499, 15471), (505, 15489), (506, 15492), (512, 15507), (516, 15522), (520, 15528), (543, 15576), (550, 15588), (554, 15594), (587, 15654), (592, 15666), (606, 15702), (609, 15714), (645, 15789), (648, 15798), (660, 15816), (662, 15822), (670, 15852), (751, 15957), (753, 15969), (765, 16005), (792, 16083), (826, 16203), (843, 16236), (858, 16266), (860, 16278), (864, 16296), (866, 16302), (867, 16305), (869, 16311), (878, 16326), (879, 16329), (882, 16350), (883, 16353), (899, 16395), (904, 16425), (916, 16467), (917, 16473),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 150

Candidate Starts for Rockstar_27:

(Start: 150 @19834 has 625 MA's), (Start: 199 @19894 has 1 MA's), (237, 19963), (279, 20065), (283, 20077), (284, 20080), (320, 20155), (330, 20170), (332, 20173), (353, 20209), (407, 20344), (445, 20413), (500, 20527), (562, 20653), (613, 20767), (614, 20770), (622, 20791), (631, 20809), (668, 20890), (696, 20965), (699, 20983), (701, 20992), (714, 21022), (719, 21037), (727, 21061), (734, 21070), (752, 21115), (753, 21118), (761, 21139), (764, 21151), (837, 21364), (853, 21388), (877, 21469), (879, 21475), (916, 21610),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 139

Candidate Starts for RockyHorror_17:

(Start: 139 @14667 has 218 MA's), (207, 14754), (242, 14823), (248, 14844), (266, 14880), (282, 14928), (284, 14934), (289, 14952), (300, 14982), (353, 15087), (375, 15147), (379, 15156), (384, 15168), (388, 15177), (398, 15201), (425, 15276), (467, 15303), (474, 15309), (493, 15327), (497, 15342), (499, 15348), (512, 15384), (513, 15387), (516, 15399), (520, 15405), (543, 15453), (550, 15465), (554, 15471), (587, 15531), (592, 15543), (606, 15579), (609, 15591), (645, 15666), (648, 15675), (660, 15693), (662, 15699), (670, 15729), (751, 15834), (752, 15843), (753, 15846), (765, 15882), (792, 15960), (820, 16059), (826, 16080), (843, 16113), (858, 16143), (864, 16173), (867, 16182), (869, 16188), (878, 16203), (879, 16206), (883, 16230), (894, 16260), (899, 16272), (904, 16302), (916, 16344),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 105

Candidate Starts for Rofo_35:

(97, 30789), (Start: 105 @30807 has 84 MA's), (Start: 129 @30843 has 1 MA's), (226, 30981), (272, 31077), (275, 31086), (296, 31155), (320, 31206), (347, 31251), (355, 31266), (391, 31347), (407, 31392), (410, 31401), (466, 31491), (480, 31521), (487, 31536), (495, 31560), (504, 31590), (585, 31695), (631, 31812), (641, 31830), (647, 31845), (664, 31875), (667, 31887), (668, 31890), (676, 31917), (815, 32241), (816, 32244), (834, 32292), (852, 32319), (860, 32346), (877, 32400), (882, 32424), (883, 32427), (908, 32517), (925, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 105

Candidate Starts for RogerDodger_34:

(86, 26681), (Start: 105 @26723 has 84 MA's), (Start: 129 @26759 has 1 MA's), (Start: 155 @26792 has 12 MA's), (249, 26948), (274, 27002), (275, 27005), (283, 27035), (310, 27101), (320, 27125), (345, 27167), (410, 27320), (430, 27359), (466, 27410), (470, 27422), (480, 27440), (486, 27452), (490, 27464), (495, 27479), (504, 27509), (505, 27512), (513, 27533), (581, 27605), (603, 27653), (647, 27764), (665, 27797), (676, 27836), (677, 27839), (701, 27911), (740, 27977), (744, 27989), (815, 28160), (816, 28163), (834, 28211), (852, 28238), (860, 28265), (877, 28319), (908, 28436), (914, 28457), (925, 28484),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 152

Candidate Starts for Rohr_28:

(Start: 152 @21366 has 219 MA's), (Start: 173 @21387 has 4 MA's), (Start: 199 @21429 has 1 MA's), (223, 21474), (320, 21690), (347, 21735), (353, 21744), (367, 21783), (391, 21834), (393, 21837), (491, 22032), (514, 22101), (613, 22302), (614, 22305), (622, 22326), (667, 22422), (668, 22425), (670, 22431), (696, 22500), (699, 22518), (701, 22527), (714, 22557), (753, 22653), (764, 22686), (769, 22701), (815, 22842), (837, 22899), (879, 23010),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 150

Candidate Starts for Roksolana_31:

(102, 19924), (Start: 130 @19966 has 8 MA's), (Start: 150 @19990 has 625 MA's), (284, 20227), (319, 20299), (320, 20302), (330, 20317), (353, 20356), (355, 20362), (401, 20473), (403, 20479), (415, 20518), (445, 20560), (467, 20599), (487, 20641), (491, 20644), (562, 20800), (624, 20941), (631, 20956), (714, 21169), (761, 21268), (769, 21295), (788, 21346), (790, 21355), (801, 21394), (805, 21409), (837, 21493), (877, 21598), (879, 21604), (916, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Romney_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 142

Candidate Starts for Ronaldo_56:

(62, 28702), (63, 28711), (64, 28717), (93, 28819), (109, 28849), (Start: 142 @28894 has 6 MA's), (241, 29035), (300, 29194), (330, 29248), (401, 29404), (457, 29503), (480, 29551), (500, 29608), (505, 29623), (580, 29713), (638, 29851), (667, 29914), (699, 30010), (734, 30061), (736, 30064), (742, 30076), (769, 30151), (775, 30166), (814, 30250), (852, 30331), (884, 30442), (914, 30547), (919, 30565),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Roosevelt_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Rosa24_26 Start: 19799, Stop: 21580, Start Num: 150

Candidate Starts for Rosa24_26:

(Start: 130 @19775 has 8 MA's), (Start: 150 @19799 has 625 MA's), (Start: 155 @19805 has 12 MA's), (Start: 199 @19859 has 1 MA's), (208, 19874), (237, 19928), (245, 19946), (279, 20030), (283, 20042), (284, 20045), (320, 20120), (330, 20135), (353, 20174), (401, 20291), (445, 20378), (487, 20459), (505, 20507), (514, 20531), (562, 20618), (587, 20663), (614, 20735), (622, 20756), (631, 20774), (668, 20855), (699, 20948), (701, 20957), (708, 20981), (714, 20987), (722, 21011), (753, 21065), (761, 21086), (778, 21137), (787, 21161), (837, 21311), (877, 21416), (880, 21431), (911, 21539), (916, 21557),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 150

Candidate Starts for Rosalind_30:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 118

Candidate Starts for Rosmarinus_23:

(Start: 118 @17176 has 149 MA's), (Start: 144 @17206 has 125 MA's), (245, 17365), (261, 17398), (274, 17428), (283, 17461), (287, 17473), (325, 17563), (351, 17605), (381, 17677), (385, 17686), (401, 17725), (415, 17770), (424, 17791), (426, 17794), (459, 17848), (467, 17866), (487, 17908), (492, 17914), (500, 17941), (589, 18079), (598, 18097), (609, 18139), (615, 18157), (628, 18187), (643, 18214), (685, 18319), (753, 18478), (765, 18514), (777, 18544), (786, 18553), (815, 18628), (834, 18679), (907, 18874), (917, 18913), (919, 18916), (929, 18934),

Gene: Rowdy_31 Start: 19855, Stop: 21633, Start Num: 150

Candidate Starts for Rowdy_31:

(Start: 150 @19855 has 625 MA's), (Start: 199 @19912 has 1 MA's), (208, 19927), (226, 19960), (237, 19981), (279, 20083), (283, 20095), (284, 20098), (320, 20173), (330, 20188), (353, 20227), (401, 20344), (407, 20362), (445, 20431), (474, 20485), (483, 20506), (500, 20545), (514, 20584), (562, 20671), (587, 20716), (608, 20764), (613, 20785), (622, 20809), (627, 20821), (631, 20827), (668, 20908), (699, 21001), (701, 21010), (708, 21034), (714, 21040), (719, 21055), (743, 21088), (761, 21139), (766, 21157), (781, 21202), (837, 21364), (853, 21388), (855, 21394), (877, 21469), (879, 21475), (880, 21484), (897, 21535), (916, 21610),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 139

Candidate Starts for Royals2015_16:

(Start: 139 @14826 has 218 MA's), (207, 14913), (Start: 233 @14958 has 2 MA's), (242, 14982), (282, 15087), (284, 15093), (289, 15111), (300, 15141), (353, 15246), (375, 15306), (384, 15327), (388, 15336), (398, 15360), (493, 15486), (497, 15501), (499, 15507), (512, 15543), (513, 15546), (516, 15558), (520, 15564), (543, 15612), (550, 15624), (554, 15630), (587, 15690), (592, 15702), (606, 15738), (609, 15750), (645, 15825), (648, 15834), (660, 15852), (662, 15858), (670, 15888), (751, 15993), (752, 16002), (753, 16005), (765, 16041), (792, 16119), (820, 16218), (826, 16239), (843,

16272), (858, 16302), (864, 16332), (867, 16341), (869, 16347), (878, 16362), (879, 16365), (883, 16389), (894, 16419), (899, 16431), (904, 16461), (916, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 144

Candidate Starts for Rubeelu_18:

(Start: 144 @14956 has 125 MA's), (Start: 169 @14983 has 1 MA's), (Start: 233 @15088 has 2 MA's), (236, 15100), (252, 15136), (274, 15187), (279, 15208), (282, 15217), (284, 15223), (292, 15244), (295, 15256), (371, 15430), (375, 15436), (382, 15454), (388, 15466), (390, 15469), (398, 15490), (425, 15565), (467, 15592), (493, 15616), (494, 15619), (497, 15631), (512, 15673), (516, 15688), (520, 15694), (525, 15703), (543, 15742), (564, 15796), (587, 15820), (609, 15880), (634, 15946), (645, 15955), (648, 15964), (669, 16015), (670, 16018), (751, 16123), (765, 16171), (789, 16237), (808, 16309), (864, 16462), (867, 16471), (878, 16492), (880, 16507), (883, 16519), (897, 16555), (899, 16561),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 152

Candidate Starts for Rubeus_28:

(Start: 152 @21204 has 219 MA's), (Start: 173 @21225 has 4 MA's), (Start: 199 @21267 has 1 MA's), (223, 21312), (320, 21528), (347, 21573), (353, 21582), (391, 21672), (393, 21675), (491, 21870), (514, 21939), (613, 22140), (614, 22143), (622, 22164), (667, 22260), (668, 22263), (670, 22269), (696, 22338), (699, 22356), (701, 22365), (714, 22395), (753, 22491), (764, 22524), (769, 22539), (815, 22680), (837, 22737), (879, 22848), (925, 23001),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for Ruby_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (Start: 233 @14906 has 2 MA's), (242, 14930), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (371, 15248), (375, 15254), (379, 15263), (384, 15275), (388, 15284), (398, 15308), (410, 15344), (411, 15350), (415, 15362), (425, 15383), (427, 15386), (441, 15395), (467, 15410), (474, 15416), (493, 15434), (497, 15449), (499, 15455), (505, 15473), (506, 15476), (512, 15491), (516, 15506), (520, 15512), (534, 15542), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (616, 15719), (645, 15773), (648, 15782), (662, 15806), (670, 15836), (751, 15941), (753, 15953), (765, 15989), (779, 16028), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (882, 16334), (883, 16337), (899, 16379), (904, 16409), (916, 16451), (917, 16457),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 152

Candidate Starts for Rufus_28:

(Start: 152 @21506 has 219 MA's), (Start: 173 @21527 has 4 MA's), (Start: 199 @21569 has 1 MA's), (223, 21614), (320, 21830), (347, 21875), (353, 21884), (391, 21974), (393, 21977), (430, 22070), (491, 22172), (514, 22241), (609, 22430), (613, 22442), (614, 22445), (622, 22466), (667, 22562), (668, 22565), (670, 22571), (696, 22640), (699, 22658), (701, 22667), (714, 22697), (753, 22793), (764, 22826), (769, 22841), (815, 22982), (837, 23039), (879, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 150

Candidate Starts for Ruin_27:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 199 @19880 has 1 MA's), (230, 19934), (237, 19949), (245, 19967), (279, 20051), (283, 20063), (284, 20066), (320, 20141), (330, 20156), (353, 20195), (401, 20312), (445, 20399), (487, 20480), (505, 20528), (514, 20552), (562, 20639), (587, 20684), (614, 20756), (622, 20777), (631, 20795), (668, 20876), (699, 20969), (701, 20978), (708, 21002), (714, 21008), (722, 21032), (753, 21086), (761, 21107), (778, 21158), (787, 21182), (802, 21236), (837, 21332), (877, 21437), (880, 21452), (911, 21560), (916, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 150

Candidate Starts for Rummer_29:

(Start: 150 @20463 has 625 MA's), (Start: 199 @20520 has 1 MA's), (208, 20535), (226, 20568), (237, 20589), (Start: 244 @20604 has 1 MA's), (279, 20691), (283, 20703), (284, 20706), (320, 20781), (330, 20796), (351, 20832), (445, 21039), (500, 21153), (514, 21192), (562, 21279), (613, 21393), (622, 21417), (631, 21435), (668, 21516), (696, 21591), (699, 21609), (708, 21642), (714, 21648), (727, 21687), (752, 21741), (753, 21744), (761, 21765), (780, 21822), (837, 21990), (877, 22095), (879, 22101), (916, 22236),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 152

Candidate Starts for Ruotula_26:

(Start: 152 @21710 has 219 MA's), (Start: 173 @21731 has 4 MA's), (Start: 199 @21773 has 1 MA's), (223, 21818), (320, 22034), (347, 22079), (353, 22088), (367, 22127), (391, 22178), (393, 22181), (491, 22376), (514, 22445), (613, 22646), (614, 22649), (622, 22670), (667, 22766), (668, 22769), (670, 22775), (696, 22844), (699, 22862), (701, 22871), (714, 22901), (753, 22997), (764, 23030), (769, 23045), (815, 23186), (837, 23243), (879, 23354),

Gene: Ruriko_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Ruriko_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 152

Candidate Starts for Rutherferd_29:

(Start: 152 @21775 has 219 MA's), (Start: 173 @21796 has 4 MA's), (Start: 199 @21838 has 1 MA's), (223, 21883), (320, 22099), (347, 22144), (353, 22153), (391, 22243), (393, 22246), (430, 22339), (491, 22441), (514, 22510), (613, 22711), (614, 22714), (622, 22735), (667, 22831), (668, 22834), (670, 22840), (699, 22927), (701, 22936), (714, 22966), (753, 23062), (764, 23095), (769, 23110), (815, 23251), (837, 23308), (879, 23419),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 118

Candidate Starts for Ruthiejr_23:

(Start: 96 @18215 has 3 MA's), (Start: 112 @18245 has 26 MA's), (Start: 115 @18251 has 20 MA's), (Start: 118 @18254 has 149 MA's), (Start: 141 @18269 has 4 MA's), (Start: 181 @18311 has 32 MA's), (208, 18359), (230, 18398), (237, 18413), (245, 18431), (261, 18464), (274, 18494), (287, 18539), (294, 18557), (325, 18629), (330, 18635), (347, 18665), (348, 18668), (375, 18731), (381, 18743), (433, 18878), (446, 18896), (465, 18926), (467, 18932), (476, 18950), (492, 18980), (504, 19019), (589, 19145), (610, 19208), (685, 19409), (701, 19463), (719, 19508), (744, 19553), (753, 19577), (764, 19610), (777, 19643), (810, 19715), (815, 19727), (834, 19778), (837, 19784), (882, 19886), (917, 20012), (929, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 185

Candidate Starts for Ruthy_19:

(80, 16179), (143, 16293), (Start: 174 @16317 has 18 MA's), (Start: 185 @16329 has 2 MA's), (210, 16377), (274, 16506), (276, 16512), (295, 16578), (378, 16758), (381, 16764), (468, 16944), (470, 16950), (505, 17031), (587, 17145), (628, 17259), (643, 17292), (661, 17322), (662, 17325), (679, 17388), (681, 17391), (696, 17424), (764, 17592), (766, 17598), (811, 17697), (876, 17841), (929, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 121

Candidate Starts for Ryadel_60:

(Start: 115 @34276 has 20 MA's), (Start: 121 @34285 has 44 MA's), (191, 34375), (248, 34492), (266, 34528), (275, 34549), (282, 34576), (284, 34582), (294, 34612), (302, 34636), (327, 34687), (388, 34825), (392, 34831), (409, 34882), (410, 34885), (415, 34903), (493, 34954), (499, 34975), (500, 34978), (516, 35026), (520, 35032), (543, 35080), (544, 35086), (550, 35092), (573, 35152), (587, 35176), (589, 35179), (606, 35224), (610, 35239), (613, 35248), (616, 35257), (634, 35302), (648, 35320), (664, 35353), (753, 35491), (761, 35512), (782, 35578), (793, 35608), (807, 35662), (820, 35704), (826, 35725), (836, 35746), (843, 35758), (855, 35779), (869, 35833), (897, 35911), (904, 35947), (910, 35968), (917, 35995),

Gene: RyeScarlet_31 Start: 21753, Stop: 23543, Start Num: 150

Candidate Starts for RyeScarlet_31:

(Start: 148 @21750 has 18 MA's), (Start: 150 @21753 has 625 MA's), (283, 21987), (284, 21990), (319, 22062), (320, 22065), (330, 22080), (353, 22119), (355, 22125), (401, 22236), (445, 22323), (487, 22404), (491, 22407), (580, 22593), (608, 22656), (614, 22680), (616, 22686), (631, 22719), (668, 22800), (708, 22926), (726, 22968), (753, 23028), (764, 23061), (769, 23076), (801, 23175), (802, 23178), (805, 23190), (837, 23274), (864, 23340), (877, 23379), (879, 23385), (890, 23430), (907, 23487), (908, 23490),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 139

Candidate Starts for SG4_16:

(Start: 139 @14957 has 218 MA's), (207, 15044), (Start: 233 @15089 has 2 MA's), (242, 15113), (282, 15218), (284, 15224), (289, 15242), (300, 15272), (353, 15377), (375, 15437), (384, 15458), (388, 15467), (398, 15491), (493, 15617), (497, 15632), (499, 15638), (512, 15674), (513, 15677), (516, 15689), (520, 15695), (543, 15743), (550, 15755), (554, 15761), (587, 15821), (592, 15833), (606, 15869), (609, 15881), (645, 15956), (648, 15965), (660, 15983), (662, 15989), (670, 16019), (751, 16124), (752, 16133), (753, 16136), (765, 16172), (792, 16250), (820, 16349), (826, 16370), (843, 16403), (858, 16433), (864, 16463), (867, 16472), (869, 16478), (878, 16493), (879, 16496), (883, 16520), (894, 16550), (899, 16562), (904, 16592), (916, 16634),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 152

Candidate Starts for STLscum_28:

(Start: 152 @21913 has 219 MA's), (Start: 173 @21934 has 4 MA's), (Start: 199 @21976 has 1 MA's), (223, 22021), (320, 22237), (347, 22282), (353, 22291), (391, 22381), (393, 22384), (430, 22477), (491, 22579), (514, 22648), (609, 22837), (613, 22849), (614, 22852), (622, 22873), (667, 22969), (668, 22972), (670, 22978), (696, 23047), (699, 23065), (701, 23074), (714, 23104), (753, 23200), (764, 23233), (769, 23248), (815, 23389), (837, 23446), (879, 23557),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 139

Candidate Starts for Saal_16:

(Start: 139 @14790 has 218 MA's), (207, 14877), (Start: 233 @14922 has 2 MA's), (242, 14946), (266, 15003), (282, 15051), (284, 15057), (289, 15075), (300, 15105), (353, 15210), (371, 15264), (375, 15270), (379, 15279), (388, 15300), (398, 15324), (410, 15360), (411, 15366), (425, 15399), (427, 15402), (441, 15411), (467, 15426), (474, 15432), (493, 15450), (497, 15465), (499, 15471), (505, 15489), (506, 15492), (512, 15507), (516, 15522), (520, 15528), (543, 15576), (550, 15588), (554, 15594), (587, 15654), (592, 15666), (606, 15702), (609, 15714), (645, 15789), (648, 15798), (660, 15816), (662, 15822), (670, 15852), (751, 15957), (753, 15969), (765, 16005), (792, 16083), (826, 16203), (843, 16236), (858, 16266), (860, 16278), (864, 16296), (866, 16302), (867, 16305), (869, 16311), (878, 16326), (879, 16329), (882, 16350), (883, 16353), (899, 16395), (904, 16425), (916, 16467), (917, 16473),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Sabertooth_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 150

Candidate Starts for Sabia_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344), (668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 150

Candidate Starts for Sabinator_29:

(Start: 150 @20377 has 625 MA's), (Start: 199 @20434 has 1 MA's), (208, 20449), (226, 20482), (237, 20503), (Start: 244 @20518 has 1 MA's), (279, 20605), (283, 20617), (284, 20620), (320, 20695), (330, 20710), (351, 20746), (445, 20953), (500, 21067), (514, 21106), (562, 21193), (613, 21307), (622, 21331), (631, 21349), (668, 21430), (696, 21505), (699, 21523), (708, 21556), (714, 21562), (727, 21601), (752, 21655), (753, 21658), (761, 21679), (780, 21736), (837, 21904), (877, 22009), (879, 22015), (916, 22150),

Gene: Sachima_28 Start: 21749, Stop: 23539, Start Num: 150

Candidate Starts for Sachima_28:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 152

Candidate Starts for Sagefire_28:

(Start: 152 @21946 has 219 MA's), (Start: 173 @21967 has 4 MA's), (Start: 199 @22009 has 1 MA's), (223, 22054), (320, 22270), (347, 22315), (353, 22324), (367, 22363), (391, 22414), (393, 22417), (491, 22612), (514, 22681), (613, 22882), (614, 22885), (622, 22906), (667, 23002), (668, 23005), (670, 23011), (696, 23080), (699, 23098), (701, 23107), (714, 23137), (753, 23233), (764, 23266), (769, 23281), (815, 23422), (837, 23479), (879, 23590),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 165

Candidate Starts for Sahara_17:

(Start: 165 @14784 has 39 MA's), (239, 14901), (271, 14973), (272, 14976), (299, 15051), (320, 15090), (330, 15105), (355, 15147), (363, 15174), (403, 15264), (404, 15267), (467, 15399), (495, 15453), (524, 15534), (568, 15594), (575, 15600), (648, 15759), (659, 15777), (668, 15816), (696, 15888), (697, 15891), (700, 15912), (810, 16146), (816, 16161), (831, 16203), (863, 16284), (867, 16296), (868, 16299), (882, 16347), (891, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 144

Candidate Starts for Saints25_25:

(Start: 144 @19407 has 125 MA's), (Start: 205 @19491 has 48 MA's), (Start: 244 @19569 has 1 MA's), (279, 19656), (284, 19671), (300, 19719), (317, 19758), (359, 19845), (372, 19878), (388,

19914), (400, 19944), (402, 19950), (437, 20019), (495, 20049), (498, 20061), (499, 20064), (520, 20121), (589, 20253), (591, 20259), (614, 20325), (616, 20331), (625, 20355), (648, 20403), (662, 20427), (664, 20436), (688, 20511), (752, 20562), (758, 20577), (809, 20739), (817, 20766), (826, 20796), (868, 20901), (897, 20979), (904, 21015), (907, 21024), (916, 21057), (923, 21072),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 150

Candidate Starts for Saintus_24:

(Start: 130 @18610 has 8 MA's), (Start: 150 @18634 has 625 MA's), (222, 18727), (245, 18772), (284, 18871), (300, 18907), (320, 18946), (330, 18961), (351, 18997), (401, 19117), (403, 19123), (467, 19243), (520, 19372), (562, 19444), (613, 19558), (699, 19774), (708, 19807), (753, 19909), (764, 19942), (769, 19957), (780, 19987), (876, 20257), (879, 20266), (880, 20275), (913, 20389),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 105

Candidate Starts for Salvador_31:

(86, 25817), (Start: 105 @25859 has 84 MA's), (Start: 129 @25895 has 1 MA's), (Start: 155 @25928 has 12 MA's), (249, 26084), (274, 26138), (275, 26141), (283, 26171), (310, 26237), (320, 26261), (326, 26270), (345, 26303), (410, 26456), (430, 26495), (466, 26546), (470, 26558), (480, 26576), (486, 26588), (490, 26600), (495, 26615), (504, 26645), (505, 26648), (513, 26669), (581, 26741), (603, 26789), (647, 26900), (665, 26933), (676, 26972), (677, 26975), (701, 27047), (740, 27113), (744, 27125), (815, 27296), (816, 27299), (834, 27347), (852, 27374), (860, 27401), (877, 27455), (908, 27572), (914, 27593), (925, 27620),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 150

Candidate Starts for Salz_28:

(102, 20680), (Start: 130 @20722 has 8 MA's), (Start: 150 @20746 has 625 MA's), (Start: 193 @20788 has 3 MA's), (245, 20884), (253, 20899), (283, 20980), (284, 20983), (320, 21058), (330, 21073), (353, 21112), (355, 21118), (375, 21169), (401, 21229), (403, 21235), (445, 21316), (491, 21400), (541, 21526), (552, 21544), (568, 21571), (631, 21712), (664, 21778), (667, 21790), (668, 21793), (734, 21982), (747, 22009), (751, 22018), (757, 22039), (758, 22042), (764, 22063), (769, 22078), (778, 22102), (801, 22177), (805, 22192), (837, 22276), (877, 22381), (879, 22387), (894, 22441), (925, 22540),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 118

Candidate Starts for SamScheppers_22:

(Start: 96 @18122 has 3 MA's), (Start: 112 @18152 has 26 MA's), (Start: 115 @18158 has 20 MA's), (Start: 118 @18161 has 149 MA's), (Start: 181 @18218 has 32 MA's), (208, 18266), (230, 18305), (237, 18320), (245, 18338), (261, 18371), (274, 18401), (287, 18446), (294, 18464), (325, 18536), (330, 18542), (347, 18572), (375, 18638), (381, 18650), (433, 18785), (465, 18833), (467, 18839), (476, 18857), (492, 18887), (504, 18926), (589, 19052), (609, 19112), (610, 19115), (616, 19133), (623, 19148), (685, 19316), (701, 19370), (719, 19415), (744, 19460), (753, 19484), (764, 19517), (777, 19550), (810, 19622), (815, 19634), (834, 19685), (837, 19691), (882, 19793), (917, 19919), (929, 19940),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 128

Candidate Starts for SamW_17:

(Start: 128 @16284 has 8 MA's), (143, 16305), (206, 16389), (220, 16416), (223, 16422), (281, 16554), (305, 16605), (320, 16638), (325, 16647), (391, 16782), (403, 16815), (409, 16833), (439, 16887), (467, 16932), (495, 16989), (498, 17001), (512, 17040), (563, 17091), (568, 17100), (582, 17121), (609, 17187), (650, 17277), (692, 17385), (706, 17439), (708, 17445), (718, 17463), (772, 17559), (787, 17580), (805, 17625), (866, 17784), (872, 17799), (878, 17814), (880, 17826), (923, 17970),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 177

Candidate Starts for Samba_19:

(Start: 141 @16692 has 4 MA's), (Start: 177 @16728 has 46 MA's), (237, 16830), (273, 16908), (274, 16911), (316, 17007), (338, 17046), (367, 17106), (377, 17127), (400, 17181), (405, 17196), (495, 17367), (504, 17397), (617, 17580), (627, 17604), (655, 17655), (687, 17748), (695, 17760), (705, 17805), (713, 17820), (765, 17952), (766, 17955), (810, 18054), (817, 18072), (837, 18123), (868, 18189), (889, 18252), (894, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 162

Candidate Starts for Samman98_20:

(87, 17220), (Start: 162 @17337 has 92 MA's), (312, 17595), (323, 17616), (355, 17670), (368, 17709), (396, 17766), (403, 17787), (526, 17958), (534, 17976), (552, 18000), (575, 18021), (603, 18063), (631, 18144), (667, 18234), (681, 18279), (700, 18336), (701, 18339), (722, 18393), (770, 18483), (880, 18762), (882, 18771), (891, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 172

Candidate Starts for Sampson_35:

(Start: 172 @30699 has 18 MA's), (189, 30720), (197, 30732), (226, 30783), (259, 30846), (283, 30918), (325, 31005), (355, 31056), (365, 31086), (401, 31167), (410, 31194), (468, 31293), (485, 31323), (489, 31332), (500, 31365), (501, 31368), (502, 31371), (505, 31380), (525, 31428), (581, 31476), (585, 31485), (627, 31584), (650, 31623), (660, 31635), (696, 31752), (704, 31791), (721, 31830), (764, 31887), (785, 31926), (792, 31935), (808, 31992), (812, 32004), (834, 32061), (837, 32067), (850, 32088), (864, 32121), (880, 32166), (916, 32295), (919, 32304),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for SamuelLPlaqson_23:

(Start: 118 @17102 has 149 MA's), (Start: 144 @17132 has 125 MA's), (245, 17291), (261, 17324), (274, 17354), (283, 17387), (287, 17399), (325, 17489), (351, 17531), (381, 17603), (385, 17612), (401, 17651), (415, 17696), (426, 17720), (467, 17792), (487, 17834), (492, 17840), (500, 17867), (589, 18005), (598, 18023), (609, 18065), (628, 18113), (643, 18140), (685, 18245), (716, 18335), (765, 18440), (777, 18470), (786, 18479), (815, 18554), (834, 18605), (907, 18800), (917, 18839), (919, 18842), (929, 18860),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 152

Candidate Starts for Sandaddy_26:

(Start: 152 @21059 has 219 MA's), (Start: 173 @21080 has 4 MA's), (Start: 199 @21122 has 1 MA's), (320, 21383), (347, 21428), (353, 21437), (367, 21476), (391, 21527), (393, 21530), (491, 21725), (514, 21794), (613, 21995), (614, 21998), (622, 22019), (667, 22115), (668, 22118), (670, 22124), (696, 22193), (699, 22211), (701, 22220), (714, 22250), (753, 22346), (764, 22379), (769, 22394), (815, 22535), (837, 22592), (879, 22703),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 139

Candidate Starts for Sandalphon_17:

(Start: 139 @15361 has 218 MA's), (207, 15448), (Start: 233 @15493 has 2 MA's), (242, 15517), (266, 15574), (282, 15622), (284, 15628), (289, 15646), (300, 15676), (353, 15781), (371, 15835), (375, 15841), (379, 15850), (388, 15871), (398, 15895), (410, 15931), (411, 15937), (425, 15970), (427, 15973), (441, 15982), (467, 15997), (474, 16003), (493, 16021), (497, 16036), (499, 16042), (505, 16060), (506, 16063), (512, 16078), (516, 16093), (520, 16099), (543, 16147), (550, 16159), (554, 16165), (587, 16225), (592, 16237), (606, 16273), (609, 16285), (645, 16360), (648, 16369), (660, 16387), (662, 16393), (670, 16423), (751, 16528), (753, 16540), (765, 16576), (792, 16654), (826, 16774), (843, 16807), (858, 16837), (860, 16849), (864, 16867), (866, 16873), (867, 16876), (869, 16882), (878, 16897), (879, 16900), (882, 16921), (883, 16924), (899, 16966), (904, 16996), (916, 17038), (917, 17044),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 105

Candidate Starts for Sanjuju_33:

(97, 30958), (Start: 105 @30976 has 84 MA's), (Start: 129 @31012 has 1 MA's), (226, 31150), (272, 31246), (275, 31255), (296, 31324), (320, 31375), (347, 31420), (355, 31435), (391, 31516), (407, 31561), (410, 31570), (466, 31660), (480, 31690), (487, 31705), (495, 31729), (504, 31759), (585, 31864), (631, 31981), (641, 31999), (647, 32014), (664, 32044), (667, 32056), (668, 32059), (676, 32086), (815, 32410), (816, 32413), (834, 32461), (852, 32488), (860, 32515), (877, 32569), (883, 32596), (919, 32725),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 163

Candidate Starts for Santhid_18:

(Start: 163 @14993 has 16 MA's), (226, 15092), (239, 15116), (283, 15227), (284, 15230), (290, 15248), (296, 15257), (333, 15323), (341, 15338), (346, 15347), (349, 15353), (389, 15443), (409, 15497), (411, 15506), (467, 15596), (513, 15707), (578, 15779), (581, 15785), (585, 15794), (594, 15812), (631, 15902), (641, 15917), (676, 16001), (680, 16016), (687, 16034), (695, 16046), (716, 16112), (757, 16160), (761, 16172), (764, 16184), (771, 16205), (777, 16217), (792, 16232), (802, 16262), (814, 16298), (880, 16451), (890, 16487), (908, 16550), (914, 16571), (923, 16595), (927, 16601),

Gene: Sanya_26 Start: 21743, Stop: 23545, Start Num: 152

Candidate Starts for Sanya_26:

(Start: 152 @21743 has 219 MA's), (Start: 173 @21764 has 4 MA's), (Start: 199 @21806 has 1 MA's), (223, 21851), (320, 22067), (347, 22112), (353, 22121), (391, 22211), (393, 22214), (430, 22307), (491, 22409), (514, 22478), (613, 22679), (614, 22682), (622, 22703), (667, 22799), (668, 22802), (670, 22808), (696, 22877), (699, 22895), (701, 22904), (714, 22934), (753, 23030), (764, 23063), (769, 23078), (815, 23219), (837, 23276), (879, 23387),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 177

Candidate Starts for Sapo_16:

(Start: 177 @14618 has 46 MA's), (300, 14873), (345, 14945), (355, 14963), (357, 14972), (363, 14990), (409, 15098), (410, 15101), (465, 15194), (495, 15257), (565, 15368), (567, 15371), (581, 15392), (614, 15467), (624, 15488), (627, 15497), (676, 15608), (695, 15653), (701, 15683), (705, 15698), (817, 15914), (829, 15947), (858, 16007), (864, 16019), (889, 16094), (899, 16118), (905, 16151),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 152

Candidate Starts for SarFire_27:

(Start: 152 @21221 has 219 MA's), (Start: 173 @21242 has 4 MA's), (Start: 199 @21284 has 1 MA's), (223, 21329), (320, 21545), (347, 21590), (353, 21599), (391, 21689), (393, 21692), (430, 21785), (491, 21887), (514, 21956), (609, 22145), (613, 22157), (614, 22160), (622, 22181), (667, 22277), (668, 22280), (670, 22286), (696, 22355), (699, 22373), (701, 22382), (714, 22412), (753, 22508), (764, 22541), (769, 22556), (815, 22697), (837, 22754), (879, 22865), (925, 23018),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 233

Candidate Starts for Sarma624_17:

(Start: 139 @14635 has 218 MA's), (207, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (282, 14896), (284, 14902), (289, 14920), (300, 14950), (353, 15055), (375, 15115), (384, 15136), (388, 15145), (398, 15169), (425, 15244), (427, 15247), (493, 15295), (497, 15310), (499, 15316), (512, 15352), (513, 15355), (516, 15367), (520, 15373), (543, 15421), (550, 15433), (554, 15439), (587, 15499), (592, 15511), (606, 15547), (609, 15559), (645, 15634), (648, 15643), (660, 15661), (662, 15667), (670, 15697), (751, 15802), (752, 15811), (753, 15814), (765, 15850), (792, 15928), (820, 16027), (826, 16048), (843, 16081), (858, 16111), (864, 16141), (867, 16150), (869, 16156), (878, 16171), (879, 16174), (883, 16198), (894, 16228), (899, 16240), (904, 16270), (916, 16312),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 105

Candidate Starts for Saronaya_34:

(Start: 105 @29639 has 84 MA's), (Start: 129 @29675 has 1 MA's), (220, 29804), (226, 29813), (272, 29909), (275, 29918), (296, 29987), (320, 30038), (326, 30047), (347, 30083), (355, 30098), (361, 30116), (391, 30179), (407, 30224), (410, 30233), (476, 30344), (480, 30353), (487, 30368), (495, 30392), (504, 30422), (631, 30644), (641, 30662), (647, 30677), (667, 30719), (676, 30749), (723, 30869), (766, 30962), (815, 31073), (816, 31076), (834, 31124), (852, 31151), (860, 31178), (877, 31232),

Gene: Saskia_27 Start: 20749, Stop: 22548, Start Num: 150

Candidate Starts for Saskia_27:

(102, 20683), (Start: 130 @20725 has 8 MA's), (Start: 150 @20749 has 625 MA's), (Start: 193 @20791 has 3 MA's), (245, 20887), (253, 20902), (283, 20983), (284, 20986), (320, 21061), (330, 21076), (353, 21115), (355, 21121), (401, 21232), (403, 21238), (445, 21319), (491, 21403), (541, 21529), (552, 21547), (568, 21574), (631, 21715), (664, 21781), (667, 21793), (668, 21796), (707, 21919), (734, 21985), (747, 22012), (757, 22042), (758, 22045), (764, 22066), (769, 22081), (778, 22105), (801, 22180), (805, 22195), (837, 22279), (877, 22384), (879, 22390), (894, 22444), (925, 22543),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 139

Candidate Starts for Sassafras_16:

(Start: 139 @14940 has 218 MA's), (207, 15027), (Start: 233 @15072 has 2 MA's), (242, 15096), (282, 15201), (284, 15207), (289, 15225), (300, 15255), (353, 15360), (375, 15420), (384, 15441), (388, 15450), (398, 15474), (493, 15600), (497, 15615), (499, 15621), (512, 15657), (513, 15660), (516, 15672), (520, 15678), (543, 15726), (550, 15738), (554, 15744), (587, 15804), (592, 15816), (606, 15852), (609, 15864), (645, 15939), (648, 15948), (660, 15966), (662, 15972), (670, 16002), (751, 16107), (753, 16119), (765, 16155), (792, 16233), (820, 16332), (826, 16353), (843, 16386), (858, 16416), (864, 16446), (867, 16455), (869, 16461), (878, 16476), (879, 16479), (882, 16500), (883, 16503), (899, 16545), (904, 16575), (916, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 205

Candidate Starts for Sassay_23:

(Start: 144 @19250 has 125 MA's), (Start: 205 @19334 has 48 MA's), (Start: 244 @19412 has 1 MA's), (279, 19499), (284, 19514), (300, 19562), (317, 19601), (359, 19688), (372, 19721), (388, 19757), (400, 19787), (402, 19793), (437, 19862), (495, 19892), (498, 19904), (499, 19907), (520, 19964), (589, 20096), (591, 20102), (614, 20168), (616, 20174), (625, 20198), (648, 20246), (662, 20270), (664, 20279), (688, 20354), (752, 20405), (758, 20420), (809, 20582), (817, 20609), (826, 20639), (868, 20744), (897, 20822), (904, 20858), (907, 20867), (916, 20900), (923, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 139

Candidate Starts for SassyB_16:

(Start: 139 @14854 has 218 MA's), (207, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (282, 15115), (284, 15121), (289, 15139), (300, 15169), (353, 15274), (375, 15334), (379, 15343), (382, 15352), (384, 15355), (388, 15364), (398, 15388), (493, 15514), (497, 15529), (499, 15535), (512, 15571), (513, 15574), (516, 15586), (520, 15592), (543, 15640), (550, 15652), (554, 15658), (587, 15718), (592, 15730), (606, 15766), (609, 15778), (645, 15853), (648, 15862), (660, 15880), (662, 15886), (670, 15916), (751, 16021), (752, 16030), (753, 16033), (765, 16069), (792, 16147), (820, 16246), (826, 16267), (843, 16300), (858, 16330), (864, 16360), (867, 16369), (869, 16375), (878, 16390), (879, 16393), (883, 16417), (894, 16447), (899, 16459), (904, 16489), (916, 16531),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 150

Candidate Starts for SaturnRing_27:

(Start: 150 @19904 has 625 MA's), (Start: 199 @19961 has 1 MA's), (237, 20030), (279, 20132), (283, 20144), (284, 20147), (320, 20222), (330, 20237), (353, 20276), (407, 20411), (445, 20480), (500,

20594), (562, 20720), (613, 20834), (622, 20858), (631, 20876), (668, 20957), (696, 21032), (699, 21050), (701, 21059), (708, 21083), (714, 21089), (719, 21104), (734, 21137), (752, 21182), (753, 21185), (761, 21206), (764, 21218), (766, 21224), (787, 21281), (837, 21431), (853, 21455), (877, 21536), (879, 21542), (916, 21677),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Savage_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 105

Candidate Starts for Savbucketdawg_31:

(86, 25598), (Start: 105 @25640 has 84 MA's), (Start: 129 @25676 has 1 MA's), (Start: 155 @25709 has 12 MA's), (274, 25919), (275, 25922), (283, 25952), (310, 26018), (320, 26042), (326, 26051), (345, 26084), (410, 26237), (430, 26276), (466, 26327), (470, 26339), (480, 26357), (486, 26369), (490, 26381), (495, 26396), (504, 26426), (505, 26429), (513, 26450), (581, 26522), (603, 26570), (647, 26681), (665, 26714), (676, 26753), (677, 26756), (701, 26828), (740, 26894), (744, 26906), (815, 27077), (819, 27089), (821, 27095), (834, 27128), (852, 27155), (860, 27182), (877, 27236), (908, 27353), (914, 27374), (925, 27401),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Scamp_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 112

Candidate Starts for Scarlett_22:

(Start: 96 @16360 has 3 MA's), (Start: 112 @16390 has 26 MA's), (Start: 115 @16396 has 20 MA's), (Start: 144 @16423 has 125 MA's), (170, 16450), (237, 16564), (261, 16615), (283, 16678), (325, 16780), (330, 16786), (363, 16858), (381, 16894), (385, 16903), (401, 16942), (416, 16990), (424, 17008), (446, 17047), (449, 17050), (459, 17065), (465, 17077), (467, 17083), (487, 17125), (492, 17131), (500, 17158), (589, 17296), (598, 17314), (602, 17326), (628, 17404), (665, 17476), (668, 17488), (685, 17536), (707, 17611), (753, 17695), (764, 17728), (766, 17734), (777, 17761), (815, 17845), (817, 17851), (834, 17896), (837, 17902), (880, 17995), (907, 18091), (929, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 138

Candidate Starts for Schatzie_34:

(Start: 138 @26625 has 76 MA's), (Start: 205 @26715 has 48 MA's), (230, 26763), (242, 26793), (255, 26820), (292, 26922), (301, 26952), (347, 27051), (360, 27087), (362, 27093), (372, 27114), (402, 27186), (405, 27195), (411, 27216), (474, 27285), (499, 27324), (500, 27327), (505, 27342), (520, 27381), (543, 27429), (550, 27441), (554, 27447), (572, 27495), (577, 27504), (589, 27525), (597, 27543), (612, 27591), (660, 27693), (676, 27753), (680, 27765), (758, 27849), (762, 27861), (763, 27867), (767, 27879), (768, 27882), (781, 27921), (789, 27939), (799, 27975), (800, 27981), (826, 28068), (863, 28158), (880, 28200), (885, 28218), (895, 28248), (905, 28290), (923, 28344),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Scherzo_30:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748), (668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Schiebel_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Schmidt_20 Start: 14705, Stop: 16033, Start Num: 267

Candidate Starts for Schmidt_20:

(240, 14639), (250, 14663), (Start: 267 @14705 has 11 MA's), (318, 14813), (331, 14834), (352, 14867), (367, 14909), (387, 14954), (409, 15011), (414, 15029), (472, 15134), (537, 15173), (583, 15227), (588, 15236), (600, 15245), (614, 15290), (659, 15365), (662, 15374), (665, 15392), (681, 15446), (697, 15482), (753, 15578), (824, 15746), (837, 15773), (847, 15788), (868, 15839), (880, 15878), (884, 15893), (891, 15917), (898, 15932), (901, 15950), (920, 16016),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 146

Candidate Starts for Schnabeltier_19:

(76, 16846), (120, 16930), (Start: 129 @16942 has 1 MA's), (Start: 146 @16963 has 7 MA's), (255, 17134), (279, 17200), (289, 17233), (297, 17254), (391, 17446), (415, 17518), (443, 17560), (466, 17596), (480, 17626), (490, 17650), (503, 17692), (513, 17719), (565, 17776), (568, 17782), (609, 17869), (758, 18229), (765, 18253), (771, 18271), (815, 18367), (880, 18541), (881, 18544), (884, 18556), (905, 18631), (913, 18658),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Schnauzer_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 121

Candidate Starts for SchoolBus_56:

(Start: 115 @33460 has 20 MA's), (Start: 121 @33469 has 44 MA's), (191, 33559), (248, 33676), (266, 33712), (275, 33733), (282, 33760), (284, 33766), (294, 33796), (302, 33820), (327, 33871), (388, 34009), (392, 34015), (409, 34066), (410, 34069), (415, 34087), (493, 34138), (499, 34159), (500, 34162), (516, 34210), (520, 34216), (543, 34264), (544, 34270), (550, 34276), (573, 34336), (587, 34360), (589, 34363), (606, 34408), (610, 34423), (613, 34432), (616, 34441), (634, 34486), (648, 34504), (664, 34537), (753, 34675), (761, 34696), (782, 34762), (793, 34792), (807, 34846), (820, 34888), (826, 34909), (836, 34930), (843, 34942), (855, 34963), (869, 35017), (897, 35095), (904, 35131), (910, 35152), (917, 35179),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 105

Candidate Starts for SchottB_33:

(Start: 105 @30654 has 84 MA's), (Start: 129 @30690 has 1 MA's), (220, 30819), (226, 30828), (272, 30924), (275, 30933), (296, 31002), (320, 31053), (326, 31062), (347, 31098), (355, 31113), (361, 31131), (391, 31194), (407, 31239), (410, 31248), (476, 31359), (480, 31368), (487, 31383), (495, 31407), (504, 31437), (631, 31659), (641, 31677), (647, 31692), (667, 31734), (668, 31737), (676, 31764), (723, 31884), (815, 32088), (816, 32091), (834, 32139), (852, 32166), (860, 32193), (877, 32247),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 121

Candidate Starts for Schuy_57:

(Start: 115 @33251 has 20 MA's), (Start: 121 @33260 has 44 MA's), (191, 33350), (248, 33467), (266, 33503), (275, 33524), (282, 33551), (284, 33557), (294, 33587), (302, 33611), (327, 33662), (388, 33800), (392, 33806), (409, 33857), (410, 33860), (415, 33878), (493, 33929), (499, 33950), (500, 33953), (516, 34001), (520, 34007), (543, 34055), (544, 34061), (550, 34067), (573, 34127), (587, 34151), (589, 34154), (606, 34199), (610, 34214), (613, 34223), (616, 34232), (634, 34277), (648, 34295), (664, 34328), (753, 34466), (761, 34487), (782, 34553), (793, 34583), (807, 34637), (820, 34679), (826, 34700), (836, 34721), (843, 34733), (855, 34754), (869, 34808), (897, 34886), (904, 34922), (910, 34943), (917, 34970),

Gene: Scioto_35 Start: 30775, Stop: 32376, Start Num: 189

Candidate Starts for Scioto_35:

(Start: 172 @30754 has 18 MA's), (189, 30775), (197, 30787), (226, 30838), (259, 30901), (283, 30973), (325, 31060), (355, 31111), (365, 31141), (401, 31222), (410, 31249), (468, 31348), (485, 31378), (489, 31387), (500, 31420), (501, 31423), (502, 31426), (505, 31435), (525, 31483), (581, 31531), (585, 31540), (627, 31639), (650, 31678), (660, 31690), (696, 31807), (704, 31846), (721, 31885), (764, 31942), (785, 31981), (792, 31990), (808, 32047), (812, 32059), (834, 32116), (837, 32122), (850, 32143), (864, 32176), (880, 32221), (916, 32350), (919, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Scitech_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (609, 15910), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: Scorpia_25 Start: 18949, Stop: 20748, Start Num: 150

Candidate Starts for Scorpia_25:

(Start: 150 @18949 has 625 MA's), (284, 19186), (320, 19261), (330, 19276), (351, 19312), (381, 19384), (387, 19399), (401, 19432), (403, 19438), (500, 19633), (509, 19663), (513, 19669), (562, 19759), (587, 19804), (613, 19873), (631, 19915), (640, 19933), (667, 19993), (668, 19996), (699, 20089), (752, 20230), (764, 20266), (876, 20581), (879, 20590), (916, 20725),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 139

Candidate Starts for Scottish_17:

(Start: 139 @16108 has 218 MA's), (207, 16195), (Start: 233 @16240 has 2 MA's), (242, 16264), (282, 16369), (284, 16375), (289, 16393), (300, 16423), (353, 16528), (375, 16588), (379, 16597), (388, 16618), (398, 16642), (410, 16678), (411, 16684), (425, 16717), (427, 16720), (441, 16729), (467, 16744), (474, 16750), (493, 16768), (497, 16783), (499, 16789), (505, 16807), (506, 16810), (512,

16825), (513, 16828), (516, 16840), (520, 16846), (543, 16894), (550, 16906), (554, 16912), (587, 16972), (592, 16984), (606, 17020), (609, 17032), (645, 17107), (648, 17116), (660, 17134), (662, 17140), (670, 17170), (751, 17275), (752, 17284), (753, 17287), (765, 17323), (792, 17401), (820, 17500), (826, 17521), (843, 17554), (858, 17584), (860, 17596), (864, 17614), (866, 17620), (867, 17623), (869, 17629), (878, 17644), (879, 17647), (882, 17668), (883, 17671), (899, 17713), (916, 17785), (917, 17791),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 150

Candidate Starts for Scout_27:

(Start: 150 @19207 has 625 MA's), (Start: 199 @19267 has 1 MA's), (237, 19336), (279, 19438), (283, 19450), (284, 19453), (320, 19528), (330, 19543), (332, 19546), (353, 19582), (407, 19717), (445, 19786), (500, 19900), (562, 20026), (613, 20140), (622, 20164), (627, 20176), (631, 20182), (668, 20263), (696, 20338), (699, 20356), (701, 20365), (708, 20389), (714, 20395), (719, 20410), (740, 20452), (751, 20479), (752, 20488), (753, 20491), (761, 20512), (764, 20524), (837, 20737), (877, 20842), (879, 20848), (916, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 152

Candidate Starts for Scowl_28:

(Start: 152 @21803 has 219 MA's), (Start: 173 @21824 has 4 MA's), (Start: 199 @21866 has 1 MA's), (223, 21911), (320, 22127), (347, 22172), (353, 22181), (367, 22220), (391, 22271), (393, 22274), (430, 22367), (491, 22469), (514, 22538), (613, 22739), (614, 22742), (622, 22763), (667, 22859), (668, 22862), (670, 22868), (696, 22937), (699, 22955), (701, 22964), (714, 22994), (753, 23090), (764, 23123), (769, 23138), (815, 23279), (837, 23336), (879, 23447),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 162

Candidate Starts for Scuba_50:

(Start: 162 @30760 has 92 MA's), (Start: 177 @30775 has 46 MA's), (201, 30814), (237, 30874), (363, 31141), (398, 31207), (403, 31222), (416, 31258), (461, 31333), (475, 31363), (477, 31366), (484, 31384), (501, 31423), (511, 31453), (630, 31657), (648, 31687), (666, 31735), (667, 31738), (706, 31861), (733, 31897), (821, 32083), (886, 32236), (904, 32302), (908, 32314), (923, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 139

Candidate Starts for Seabastian_16:

(Start: 139 @15041 has 218 MA's), (207, 15128), (218, 15149), (Start: 233 @15173 has 2 MA's), (242, 15197), (248, 15218), (282, 15302), (284, 15308), (289, 15326), (300, 15356), (353, 15461), (371, 15515), (375, 15521), (382, 15539), (384, 15542), (388, 15551), (398, 15575), (425, 15650), (441, 15662), (467, 15677), (474, 15683), (493, 15701), (497, 15716), (499, 15722), (508, 15749), (512, 15758), (516, 15773), (520, 15779), (543, 15827), (550, 15839), (554, 15845), (587, 15905), (592, 15917), (606, 15953), (609, 15965), (616, 15986), (645, 16040), (648, 16049), (660, 16067), (662, 16073), (670, 16103), (751, 16208), (752, 16217), (753, 16220), (765, 16256), (779, 16295), (792, 16334), (826, 16454), (843, 16487), (858, 16517), (864, 16547), (867, 16556), (869, 16562), (878, 16577), (879, 16580), (882, 16601), (883, 16604), (897, 16640), (899, 16646), (904, 16676), (916, 16718),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 152

Candidate Starts for Seabiscuit_29:

(Start: 152 @21127 has 219 MA's), (Start: 173 @21148 has 4 MA's), (Start: 199 @21190 has 1 MA's), (223, 21235), (320, 21451), (347, 21496), (353, 21505), (367, 21544), (391, 21595), (393, 21598), (491, 21793), (514, 21862), (613, 22063), (614, 22066), (622, 22087), (667, 22183), (668, 22186), (670, 22192), (696, 22261), (699, 22279), (701, 22288), (714, 22318), (753, 22414), (764, 22447), (769, 22462), (815, 22603), (837, 22660), (879, 22771),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 139

Candidate Starts for Seagreen_17:

(Start: 139 @14650 has 218 MA's), (207, 14737), (Start: 233 @14782 has 2 MA's), (242, 14806), (248, 14827), (282, 14911), (284, 14917), (289, 14935), (300, 14965), (353, 15070), (375, 15130), (379, 15139), (382, 15148), (384, 15151), (388, 15160), (396, 15178), (398, 15184), (493, 15310), (497, 15325), (499, 15331), (512, 15367), (513, 15370), (516, 15382), (520, 15388), (543, 15436), (550, 15448), (554, 15454), (587, 15514), (592, 15526), (606, 15562), (609, 15574), (645, 15649), (648, 15658), (660, 15676), (662, 15682), (670, 15712), (751, 15817), (752, 15826), (753, 15829), (765, 15865), (789, 15931), (792, 15943), (820, 16042), (826, 16063), (843, 16096), (858, 16126), (864, 16156), (867, 16165), (869, 16171), (878, 16186), (879, 16189), (883, 16213), (894, 16243), (899, 16255), (904, 16285), (916, 16327),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 152

Candidate Starts for Seanderson_28:

(Start: 152 @21601 has 219 MA's), (Start: 173 @21622 has 4 MA's), (Start: 199 @21664 has 1 MA's), (223, 21709), (320, 21925), (347, 21970), (353, 21979), (367, 22018), (391, 22069), (393, 22072), (491, 22267), (514, 22336), (613, 22537), (614, 22540), (622, 22561), (667, 22657), (668, 22660), (670, 22666), (696, 22735), (699, 22753), (701, 22762), (714, 22792), (753, 22888), (764, 22921), (769, 22936), (780, 22966), (815, 23077), (837, 23134), (879, 23245),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 105

Candidate Starts for Sedona_35:

(97, 31895), (Start: 105 @31913 has 84 MA's), (Start: 129 @31949 has 1 MA's), (226, 32087), (272, 32183), (275, 32192), (296, 32261), (320, 32312), (347, 32357), (355, 32372), (391, 32453), (407, 32498), (410, 32507), (466, 32597), (480, 32627), (487, 32642), (495, 32666), (504, 32696), (585, 32801), (631, 32918), (641, 32936), (647, 32951), (664, 32981), (667, 32993), (668, 32996), (676, 33023), (814, 33344), (815, 33347), (816, 33350), (834, 33398), (852, 33425), (860, 33452), (877, 33506), (882, 33530), (883, 33533), (908, 33623), (925, 33671),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 162

Candidate Starts for Sekhmet_20:

(87, 17580), (Start: 162 @17697 has 92 MA's), (312, 17955), (323, 17976), (355, 18030), (368, 18069), (396, 18126), (403, 18147), (526, 18318), (534, 18336), (552, 18360), (575, 18381), (603, 18423), (631, 18504), (667, 18594), (700, 18696), (701, 18699), (722, 18753), (799, 18891), (851, 19023), (880, 19122), (882, 19131), (891, 19161),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 150

Candidate Starts for SemperFi_30:

(102, 20469), (Start: 130 @20511 has 8 MA's), (Start: 150 @20535 has 625 MA's), (226, 20634), (266, 20718), (283, 20769), (284, 20772), (319, 20844), (320, 20847), (353, 20901), (367, 20940), (387, 20985), (401, 21018), (445, 21105), (487, 21186), (491, 21189), (614, 21462), (708, 21708), (743, 21762), (764, 21825), (769, 21840), (771, 21846), (790, 21900), (801, 21939), (805, 21954), (837, 22038), (869, 22119), (879, 22149), (916, 22284),

Gene: SenorClean_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for SenorClean_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 150

Candidate Starts for Serenity_27:

(Start: 130 @19117 has 8 MA's), (Start: 150 @19141 has 625 MA's), (253, 19294), (283, 19375), (284, 19378), (319, 19450), (320, 19453), (353, 19507), (355, 19513), (361, 19531), (387, 19591), (401, 19624), (403, 19630), (415, 19669), (445, 19711), (487, 19792), (491, 19795), (509, 19855), (580, 19981), (613, 20065), (631, 20107), (660, 20158), (668, 20188), (708, 20314), (740, 20377), (764, 20449), (769, 20464), (778, 20488), (801, 20563), (805, 20578), (837, 20662), (877, 20767), (879, 20773), (882, 20791), (890, 20818), (894, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 150

Candidate Starts for Severus_26:

(Start: 130 @17864 has 8 MA's), (Start: 150 @17888 has 625 MA's), (Start: 199 @17945 has 1 MA's), (208, 17960), (237, 18014), (283, 18128), (284, 18131), (320, 18206), (344, 18245), (401, 18377), (445, 18464), (483, 18539), (500, 18578), (514, 18617), (562, 18704), (587, 18749), (613, 18818), (622, 18842), (627, 18854), (631, 18860), (699, 19034), (701, 19043), (708, 19067), (714, 19073), (719, 19088), (743, 19121), (761, 19172), (780, 19229), (781, 19235), (837, 19397), (877, 19502), (879, 19508), (880, 19517), (916, 19643),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for SgtBeansprout_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for ShaboiShabazz_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 138

Candidate Starts for Shaboozey_28:

(Start: 138 @23259 has 76 MA's), (Start: 205 @23349 has 48 MA's), (207, 23352), (255, 23454), (279, 23520), (292, 23556), (301, 23586), (308, 23601), (347, 23685), (360, 23721), (372, 23748), (390, 23787), (402, 23820), (405, 23829), (427, 23886), (479, 23928), (515, 24003), (520, 24015), (550, 24075), (572, 24129), (589, 24159), (597, 24177), (602, 24186), (610, 24219), (614, 24231), (616, 24237), (631, 24276), (662, 24333), (758, 24483), (763, 24501), (778, 24543), (787, 24567), (788, 24570), (792, 24585), (800, 24615), (809, 24645), (826, 24702), (885, 24852), (919, 24972), (923, 24978),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 118

Candidate Starts for Shadow1_21:

(Start: 112 @16205 has 26 MA's), (Start: 118 @16214 has 149 MA's), (Start: 144 @16244 has 125 MA's), (230, 16370), (237, 16385), (245, 16403), (261, 16436), (274, 16466), (287, 16511), (325, 16601), (347, 16637), (385, 16724), (424, 16829), (426, 16832), (465, 16898), (467, 16904), (487, 16946), (492, 16952), (598, 17135), (615, 17195), (665, 17297), (668, 17309), (685, 17357), (707, 17432), (719, 17456), (753, 17516), (765, 17552), (777, 17582), (815, 17666), (834, 17717), (837, 17723), (880, 17816), (917, 17951), (919, 17954), (929, 17972),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Shaka_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (375, 20256), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Sham4_28:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (375, 21175), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 144

Candidate Starts for ShamWow_24:

(Start: 144 @19746 has 125 MA's), (Start: 205 @19830 has 48 MA's), (Start: 244 @19908 has 1 MA's), (279, 19995), (284, 20010), (300, 20058), (317, 20097), (359, 20184), (372, 20217), (388, 20253), (400, 20283), (402, 20289), (437, 20358), (495, 20388), (498, 20400), (499, 20403), (520, 20460), (589, 20592), (591, 20598), (614, 20664), (616, 20670), (625, 20694), (648, 20742), (662, 20766), (664, 20775), (688, 20850), (752, 20901), (758, 20916), (809, 21078), (817, 21105), (826, 21135), (868, 21240), (897, 21318), (904, 21354), (907, 21363), (916, 21396), (923, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 118

Candidate Starts for Shaobing_23:

(Start: 112 @16505 has 26 MA's), (Start: 118 @16514 has 149 MA's), (Start: 121 @16520 has 44 MA's), (Start: 144 @16544 has 125 MA's), (Start: 181 @16583 has 32 MA's), (230, 16670), (237, 16685), (245, 16703), (261, 16736), (274, 16766), (325, 16901), (347, 16937), (381, 17015), (385, 17024), (424, 17129), (426, 17132), (449, 17171), (465, 17198), (467, 17204), (487, 17246), (492, 17252), (500, 17279), (589, 17417), (598, 17435), (628, 17525), (643, 17552), (662, 17585), (685, 17657), (701, 17711), (716, 17747), (724, 17771), (753, 17816), (764, 17849), (769, 17864), (777, 17882), (786, 17891), (815, 17966), (834, 18017), (837, 18023), (882, 18125), (917, 18251), (919, 18254), (929, 18272),

Gene: Shapes_31 Start: 19855, Stop: 21633, Start Num: 150

Candidate Starts for Shapes_31:

(Start: 150 @19855 has 625 MA's), (Start: 199 @19912 has 1 MA's), (208, 19927), (226, 19960), (237, 19981), (279, 20083), (283, 20095), (284, 20098), (320, 20173), (330, 20188), (353, 20227), (401, 20344), (407, 20362), (445, 20431), (474, 20485), (483, 20506), (500, 20545), (514, 20584), (562, 20671), (587, 20716), (608, 20764), (613, 20785), (622, 20809), (627, 20821), (631, 20827), (668, 20908), (699, 21001), (701, 21010), (708, 21034), (714, 21040), (719, 21055), (743, 21088), (761, 21139), (766, 21157), (781, 21202), (837, 21364), (853, 21388), (855, 21394), (877, 21469), (879, 21475), (880, 21484), (897, 21535), (916, 21610),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 139

Candidate Starts for Shauna1_16:

(Start: 139 @14859 has 218 MA's), (207, 14946), (Start: 233 @14991 has 2 MA's), (242, 15015), (282, 15120), (284, 15126), (289, 15144), (300, 15174), (353, 15279), (375, 15339), (384, 15360), (388, 15369), (398, 15393), (425, 15468), (427, 15471), (493, 15519), (497, 15534), (499, 15540), (512, 15576), (513, 15579), (516, 15591), (520, 15597), (543, 15645), (550, 15657), (554, 15663), (587, 15723), (592, 15735), (606, 15771), (609, 15783), (645, 15858), (648, 15867), (660, 15885), (662, 15891), (670, 15921), (751, 16026), (752, 16035), (753, 16038), (765, 16074), (792, 16152), (820, 16251), (826, 16272), (843, 16305), (858, 16335), (864, 16365), (867, 16374), (869, 16380), (878, 16395), (879, 16398), (883, 16422), (894, 16452), (899, 16464), (904, 16494), (916, 16536),

Gene: ShawBrad_20 Start: 16436, Stop: 18133, Start Num: 150

Candidate Starts for ShawBrad_20:

(120, 16397), (Start: 150 @16436 has 625 MA's), (Start: 160 @16448 has 22 MA's), (213, 16526), (226, 16547), (249, 16595), (255, 16604), (273, 16646), (283, 16682), (305, 16739), (330, 16787), (345, 16814), (430, 17012), (443, 17030), (455, 17039), (458, 17045), (480, 17093), (492, 17123), (503, 17159), (513, 17186), (514, 17189), (540, 17240), (582, 17270), (596, 17297), (606, 17324), (633, 17396), (659, 17435), (677, 17489), (695, 17531), (720, 17606), (757, 17669), (765, 17696), (766, 17699), (771, 17714), (810, 17798), (814, 17807), (815, 17810), (817, 17816), (821, 17828), (822, 17831), (835, 17861), (838, 17867), (852, 17888), (853, 17891), (868, 17945), (879, 17975), (880, 17984), (896, 18035), (904, 18068), (908, 18080), (913, 18098),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 150

Candidate Starts for ShayRa_31:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 150

Candidate Starts for SheaKeira_28:

(102, 19662), (Start: 130 @19704 has 8 MA's), (Start: 150 @19728 has 625 MA's), (283, 19962), (284, 19965), (319, 20037), (320, 20040), (330, 20055), (332, 20058), (353, 20094), (355, 20100), (391, 20184), (401, 20211), (403, 20217), (445, 20298), (483, 20373), (487, 20379), (491, 20382), (509, 20442), (514, 20451), (608, 20631), (631, 20694), (660, 20745), (668, 20775), (674, 20793), (708, 20901), (753, 21003), (757, 21012), (769, 21051), (778, 21075), (801, 21150), (805, 21165), (837, 21249), (877, 21354), (879, 21360), (907, 21462),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 150

Candidate Starts for SheckWes_17:

(Start: 140 @15412 has 9 MA's), (Start: 150 @15415 has 625 MA's), (222, 15514), (245, 15556), (255, 15577), (296, 15694), (351, 15796), (387, 15883), (400, 15913), (409, 15940), (430, 15985), (445, 16003), (458, 16018), (465, 16033), (490, 16090), (500, 16123), (504, 16135), (567, 16222), (580, 16240), (594, 16270), (606, 16300), (610, 16315), (627, 16363), (657, 16414), (668, 16450), (673, 16465), (678, 16483), (699, 16540), (765, 16669), (769, 16681), (814, 16780), (815, 16783), (821, 16801), (858, 16879), (864, 16906), (879, 16948), (919, 17095), (923, 17101),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 118

Candidate Starts for ShedlockHolmes_22:

(Start: 112 @17567 has 26 MA's), (Start: 118 @17576 has 149 MA's), (Start: 138 @17588 has 76 MA's), (206, 17678), (237, 17735), (261, 17786), (274, 17816), (280, 17840), (381, 18071), (385, 18080), (391, 18092), (419, 18173), (424, 18185), (426, 18188), (467, 18260), (470, 18269), (487, 18302), (492, 18308), (504, 18347), (516, 18383), (589, 18473), (610, 18536), (622, 18566), (651, 18623), (685, 18716), (748, 18854), (753, 18872), (769, 18920), (785, 18944), (799, 18971), (817,

19028), (834, 19073), (880, 19175), (904, 19262), (907, 19271), (913, 19292), (917, 19310), (921, 19316), (929, 19331),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 150

Candidate Starts for Sheen_29:

(Start: 139 @22967 has 218 MA's), (Start: 150 @22979 has 625 MA's), (Start: 199 @23027 has 1 MA's), (209, 23045), (283, 23210), (284, 23213), (320, 23288), (330, 23303), (353, 23342), (403, 23465), (405, 23471), (415, 23504), (445, 23546), (509, 23690), (581, 23816), (613, 23897), (631, 23939), (656, 23987), (667, 24035), (668, 24038), (696, 24113), (699, 24131), (701, 24140), (708, 24164), (714, 24170), (752, 24263), (753, 24266), (764, 24299), (769, 24314), (815, 24455), (869, 24593), (877, 24617), (879, 24623), (908, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 150

Candidate Starts for SheldonCooper_28:

(Start: 130 @20115 has 8 MA's), (Start: 150 @20139 has 625 MA's), (Start: 155 @20145 has 12 MA's), (Start: 199 @20199 has 1 MA's), (208, 20214), (237, 20268), (245, 20286), (279, 20370), (283, 20382), (284, 20385), (320, 20460), (330, 20475), (353, 20514), (401, 20631), (445, 20718), (487, 20799), (505, 20847), (514, 20871), (562, 20958), (587, 21003), (614, 21075), (622, 21096), (631, 21114), (668, 21195), (696, 21270), (699, 21288), (701, 21297), (708, 21321), (714, 21327), (722, 21351), (751, 21393), (753, 21405), (761, 21426), (778, 21477), (787, 21501), (802, 21555), (837, 21651), (877, 21756), (880, 21771), (911, 21879), (916, 21897),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 144

Candidate Starts for ShereKhan_26:

(Start: 144 @20729 has 125 MA's), (Start: 205 @20813 has 48 MA's), (Start: 244 @20891 has 1 MA's), (279, 20978), (284, 20993), (300, 21041), (317, 21080), (359, 21167), (372, 21200), (388, 21236), (400, 21266), (402, 21272), (437, 21341), (495, 21371), (498, 21383), (499, 21386), (520, 21443), (589, 21575), (591, 21581), (614, 21647), (616, 21653), (625, 21677), (648, 21725), (662, 21749), (664, 21758), (688, 21833), (752, 21884), (758, 21899), (809, 22061), (817, 22088), (826, 22118), (868, 22223), (897, 22301), (904, 22337), (907, 22346), (916, 22379), (923, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for ShiLan_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (371, 15286), (375, 15292), (379, 15301), (388, 15322), (398, 15346), (410, 15382), (411, 15388), (425, 15421), (427, 15424), (441, 15433), (467, 15448), (474, 15454), (493, 15472), (497, 15487), (499, 15493), (505, 15511), (506, 15514), (512, 15529), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (753, 15991), (765, 16027), (792, 16105), (826, 16225), (843, 16258), (858, 16288), (860, 16300), (864, 16318), (866, 16324), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (882, 16372), (883, 16375), (899, 16417), (904, 16447), (916, 16489), (917, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for ShiaSurprise_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 121

Candidate Starts for Shida_56:

(Start: 115 @33158 has 20 MA's), (Start: 121 @33167 has 44 MA's), (191, 33257), (248, 33374), (266, 33410), (275, 33431), (282, 33458), (284, 33464), (294, 33494), (302, 33518), (327, 33569), (388, 33707), (392, 33713), (409, 33764), (410, 33767), (415, 33785), (493, 33836), (499, 33857), (500, 33860), (516, 33908), (520, 33914), (543, 33962), (544, 33968), (550, 33974), (573, 34034), (587, 34058), (589, 34061), (606, 34106), (610, 34121), (613, 34130), (616, 34139), (634, 34184), (648, 34202), (664, 34235), (753, 34373), (761, 34394), (782, 34460), (793, 34490), (807, 34544), (820, 34586), (826, 34607), (836, 34628), (843, 34640), (855, 34661), (869, 34715), (897, 34793), (904, 34829), (910, 34850), (917, 34877),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 86

Candidate Starts for Shinji_31:

(86, 25793), (Start: 105 @25835 has 84 MA's), (Start: 129 @25871 has 1 MA's), (Start: 155 @25904 has 12 MA's), (274, 26114), (275, 26117), (283, 26147), (310, 26213), (320, 26237), (326, 26246), (345, 26279), (410, 26432), (430, 26471), (466, 26522), (470, 26534), (480, 26552), (486, 26564), (490, 26576), (495, 26591), (504, 26621), (505, 26624), (513, 26645), (581, 26717), (603, 26765), (647, 26876), (665, 26909), (676, 26948), (677, 26951), (701, 27023), (740, 27089), (744, 27101), (815, 27272), (816, 27275), (834, 27323), (852, 27350), (860, 27377), (861, 27383), (877, 27431), (908, 27548), (914, 27569), (925, 27596),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 134

Candidate Starts for Shipwreck_18:

(Start: 116 @16062 has 3 MA's), (Start: 134 @16086 has 48 MA's), (184, 16146), (195, 16167), (197, 16170), (259, 16290), (274, 16329), (283, 16362), (292, 16386), (342, 16506), (359, 16545), (360, 16551), (396, 16635), (398, 16641), (402, 16653), (410, 16677), (420, 16704), (437, 16722), (480, 16761), (493, 16767), (500, 16791), (520, 16845), (526, 16857), (531, 16866), (560, 16926), (597, 17004), (609, 17043), (621, 17076), (648, 17142), (659, 17157), (662, 17166), (668, 17190), (676, 17220), (680, 17232), (763, 17334), (767, 17346), (768, 17349), (770, 17355), (774, 17364), (807, 17472), (836, 17556), (874, 17655), (907, 17763), (923, 17811),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 105

Candidate Starts for Shivanishola_36:

(97, 30857), (Start: 105 @30875 has 84 MA's), (Start: 129 @30911 has 1 MA's), (226, 31049), (272, 31145), (275, 31154), (296, 31223), (320, 31274), (347, 31319), (355, 31334), (391, 31415), (407, 31460), (410, 31469), (466, 31559), (480, 31589), (487, 31604), (495, 31628), (504, 31658), (585, 31763), (631, 31880), (641, 31898), (647, 31913), (664, 31943), (667, 31955), (668, 31958), (676, 31985), (815, 32309), (816, 32312), (834, 32360), (852, 32387), (860, 32414), (877, 32468), (883, 32495), (919, 32624),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 162

Candidate Starts for Shlim410_20:

(87, 17785), (Start: 162 @17902 has 92 MA's), (312, 18160), (323, 18181), (355, 18235), (368, 18274), (396, 18331), (403, 18352), (526, 18523), (534, 18541), (552, 18565), (575, 18586), (603, 18628), (631, 18709), (667, 18799), (685, 18850), (700, 18901), (701, 18904), (722, 18958), (770, 19048), (880, 19327), (882, 19336), (891, 19366),

Gene: ShortQueendom_26 Start: 21062, Stop: 22843, Start Num: 173

Candidate Starts for ShortQueendom_26:

(Start: 152 @21041 has 219 MA's), (Start: 173 @21062 has 4 MA's), (Start: 199 @21104 has 1 MA's), (223, 21149), (320, 21365), (347, 21410), (353, 21419), (367, 21458), (391, 21509), (393, 21512), (491, 21707), (514, 21776), (613, 21977), (614, 21980), (622, 22001), (667, 22097), (668, 22100), (670, 22106), (696, 22175), (699, 22193), (701, 22202), (714, 22232), (753, 22328), (764, 22361),

(769, 22376), (815, 22517), (837, 22574), (879, 22685),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 139

Candidate Starts for ShowerHandel_16:

(Start: 139 @14813 has 218 MA's), (207, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (282, 15074), (284, 15080), (289, 15098), (300, 15128), (353, 15233), (371, 15287), (375, 15293), (379, 15302), (388, 15323), (398, 15347), (410, 15383), (411, 15389), (425, 15422), (427, 15425), (441, 15434), (467, 15449), (474, 15455), (493, 15473), (497, 15488), (499, 15494), (505, 15512), (506, 15515), (512, 15530), (516, 15545), (520, 15551), (543, 15599), (550, 15611), (554, 15617), (587, 15677), (592, 15689), (606, 15725), (609, 15737), (645, 15812), (648, 15821), (660, 15839), (662, 15845), (670, 15875), (751, 15980), (753, 15992), (765, 16028), (792, 16106), (826, 16226), (843, 16259), (858, 16289), (860, 16301), (864, 16319), (866, 16325), (867, 16328), (869, 16334), (878, 16349), (879, 16352), (882, 16373), (883, 16376), (899, 16418), (904, 16448), (916, 16490), (917, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for ShrimpFriedEgg_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 139

Candidate Starts for ShroomBoi_16:

(Start: 139 @14841 has 218 MA's), (207, 14928), (Start: 233 @14973 has 2 MA's), (242, 14997), (282, 15102), (284, 15108), (289, 15126), (300, 15156), (353, 15261), (375, 15321), (384, 15342), (388, 15351), (398, 15375), (493, 15501), (497, 15516), (499, 15522), (512, 15558), (513, 15561), (516, 15573), (520, 15579), (543, 15627), (550, 15639), (554, 15645), (587, 15705), (592, 15717), (606, 15753), (609, 15765), (645, 15840), (648, 15849), (660, 15867), (662, 15873), (670, 15903), (751, 16008), (752, 16017), (753, 16020), (765, 16056), (792, 16134), (820, 16233), (826, 16254), (843, 16287), (858, 16317), (864, 16347), (866, 16353), (867, 16356), (869, 16362), (878, 16377), (879, 16380), (882, 16401), (899, 16446), (904, 16476), (916, 16518), (917, 16524),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Shuman_23:

(Start: 168 @16334 has 10 MA's), (Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (458, 16910), (465, 16925), (466, 16928), (483, 16967), (491, 16976), (520, 17060), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (715, 17453), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Shweta_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765,

16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 150

Candidate Starts for Shygu2_27:

(Start: 130 @19793 has 8 MA's), (Start: 150 @19817 has 625 MA's), (Start: 155 @19823 has 12 MA's), (Start: 199 @19877 has 1 MA's), (237, 19946), (273, 20024), (279, 20048), (283, 20060), (284, 20063), (300, 20099), (320, 20138), (330, 20153), (353, 20192), (393, 20285), (401, 20309), (445, 20396), (514, 20549), (562, 20636), (587, 20681), (613, 20750), (622, 20774), (627, 20786), (668, 20873), (696, 20948), (699, 20966), (701, 20975), (708, 20999), (714, 21005), (719, 21020), (734, 21053), (752, 21098), (753, 21101), (761, 21122), (837, 21347), (868, 21425), (877, 21452), (879, 21458), (916, 21593),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 139

Candidate Starts for SiSi_16:

(Start: 139 @14795 has 218 MA's), (207, 14882), (Start: 233 @14927 has 2 MA's), (242, 14951), (266, 15008), (282, 15056), (284, 15062), (289, 15080), (300, 15110), (353, 15215), (371, 15269), (375, 15275), (379, 15284), (384, 15296), (388, 15305), (398, 15329), (410, 15365), (411, 15371), (415, 15383), (425, 15404), (427, 15407), (441, 15416), (467, 15431), (474, 15437), (493, 15455), (497, 15470), (499, 15476), (505, 15494), (506, 15497), (512, 15512), (516, 15527), (520, 15533), (534, 15563), (543, 15581), (550, 15593), (554, 15599), (587, 15659), (592, 15671), (606, 15707), (609, 15719), (616, 15740), (645, 15794), (648, 15803), (662, 15827), (670, 15857), (751, 15962), (753, 15974), (765, 16010), (779, 16049), (792, 16088), (820, 16187), (826, 16208), (843, 16241), (858, 16271), (864, 16301), (867, 16310), (869, 16316), (878, 16331), (879, 16334), (882, 16355), (883, 16358), (899, 16400), (904, 16430), (916, 16472), (917, 16478),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 152

Candidate Starts for Sibs6_29:

(Start: 152 @21686 has 219 MA's), (Start: 173 @21707 has 4 MA's), (Start: 199 @21749 has 1 MA's), (223, 21794), (320, 22010), (347, 22055), (353, 22064), (367, 22103), (391, 22154), (393, 22157), (491, 22352), (514, 22421), (613, 22622), (614, 22625), (622, 22646), (667, 22742), (668, 22745), (670, 22751), (696, 22820), (699, 22838), (701, 22847), (714, 22877), (753, 22973), (764, 23006), (769, 23021), (815, 23162), (837, 23219), (879, 23330),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 162

Candidate Starts for Sidious_19:

(54, 16992), (61, 17067), (63, 17088), (Start: 162 @17289 has 92 MA's), (254, 17409), (309, 17538), (312, 17547), (320, 17565), (323, 17568), (355, 17622), (411, 17766), (414, 17775), (446, 17838), (467, 17874), (468, 17877), (526, 17910), (568, 17967), (603, 18033), (646, 18144), (659, 18168), (667, 18204), (700, 18306), (722, 18363), (770, 18453), (868, 18693), (891, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Silvafighter_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: SilverChicken_19 Start: 13744, Stop: 15408, Start Num: 155

Candidate Starts for SilverChicken_19:

(Start: 155 @13744 has 12 MA's), (212, 13825), (230, 13855), (241, 13876), (246, 13888), (275, 13954), (286, 13993), (289, 14005), (298, 14029), (328, 14086), (330, 14089), (343, 14113), (347, 14119), (348, 14122), (367, 14167), (375, 14185), (393, 14221), (445, 14332), (467, 14368), (480, 14395), (486, 14407), (487, 14410), (500, 14452), (504, 14464), (513, 14488), (568, 14542), (613, 14641), (661, 14734), (668, 14761), (672, 14773), (697, 14824), (699, 14839), (736, 14893), (751, 14920), (815, 15082), (816, 15085), (817, 15088), (864, 15205), (879, 15247), (902, 15331), (914, 15376), (919, 15394),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 144

Candidate Starts for Silvy_18:

(Start: 144 @14990 has 125 MA's), (Start: 169 @15017 has 1 MA's), (Start: 233 @15122 has 2 MA's), (236, 15134), (252, 15170), (274, 15221), (282, 15251), (284, 15257), (293, 15284), (295, 15290), (353, 15410), (371, 15464), (375, 15470), (382, 15488), (388, 15500), (390, 15503), (398, 15524), (411, 15566), (425, 15599), (493, 15650), (497, 15665), (512, 15707), (516, 15722), (520, 15728), (543, 15776), (556, 15800), (564, 15830), (587, 15854), (609, 15914), (613, 15926), (634, 15980), (645, 15989), (669, 16049), (670, 16052), (751, 16157), (752, 16166), (765, 16205), (808, 16343), (863, 16493), (864, 16496), (867, 16505), (878, 16526), (883, 16553), (897, 16589), (923, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 144

Candidate Starts for Simpliphy_25:

(Start: 144 @19491 has 125 MA's), (Start: 205 @19575 has 48 MA's), (Start: 244 @19653 has 1 MA's), (279, 19740), (284, 19755), (300, 19803), (317, 19842), (359, 19929), (372, 19962), (388, 19998), (400, 20028), (402, 20034), (437, 20103), (495, 20133), (498, 20145), (499, 20148), (520, 20205), (589, 20337), (591, 20343), (614, 20409), (616, 20415), (625, 20439), (648, 20487), (662, 20511), (664, 20520), (688, 20595), (752, 20646), (758, 20661), (809, 20823), (817, 20850), (826, 20880), (868, 20985), (897, 21063), (904, 21099), (907, 21108), (916, 21141), (923, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 139

Candidate Starts for SimranZ1_17:

(Start: 139 @14664 has 218 MA's), (207, 14751), (Start: 233 @14796 has 2 MA's), (242, 14820), (282, 14925), (284, 14931), (289, 14949), (300, 14979), (353, 15084), (375, 15144), (388, 15174), (398, 15198), (411, 15240), (425, 15273), (467, 15300), (493, 15324), (497, 15339), (499, 15345), (512, 15381), (513, 15384), (516, 15396), (520, 15402), (543, 15450), (550, 15462), (554, 15468), (587, 15528), (592, 15540), (606, 15576), (609, 15588), (616, 15609), (645, 15663), (648, 15672), (660, 15690), (662, 15696), (670, 15726), (751, 15831), (752, 15840), (753, 15843), (765, 15879), (779, 15918), (792, 15957), (820, 16056), (826, 16077), (843, 16110), (858, 16140), (864, 16170), (866, 16176), (867, 16179), (869, 16185), (878, 16200), (879, 16203), (883, 16227), (899, 16269), (916, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 144

Candidate Starts for SirDuracell_23:

(Start: 144 @18412 has 125 MA's), (Start: 205 @18496 has 48 MA's), (Start: 244 @18574 has 1 MA's), (279, 18661), (284, 18676), (300, 18724), (317, 18763), (359, 18850), (372, 18883), (388, 18919), (400, 18949), (402, 18955), (437, 19024), (495, 19054), (498, 19066), (499, 19069), (520, 19126), (589, 19258), (591, 19264), (614, 19330), (616, 19336), (625, 19360), (648, 19408), (662, 19432), (664, 19441), (688, 19516), (752, 19567), (758, 19582), (809, 19744), (817, 19771), (826, 19801), (868, 19906), (897, 19984), (904, 20020), (907, 20029), (916, 20062), (923, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 118

Candidate Starts for SirPhilip_22:

(Start: 96 @15962 has 3 MA's), (Start: 112 @15992 has 26 MA's), (Start: 118 @16001 has 149 MA's), (Start: 144 @16031 has 125 MA's), (170, 16058), (237, 16172), (245, 16190), (261, 16223), (274, 16253), (283, 16286), (325, 16388), (351, 16430), (385, 16511), (419, 16604), (424, 16616), (426,

16619), (446, 16655), (449, 16658), (459, 16673), (465, 16685), (467, 16691), (487, 16733), (492, 16739), (500, 16766), (513, 16802), (589, 16904), (598, 16922), (615, 16982), (628, 17012), (665, 17084), (668, 17096), (722, 17252), (753, 17303), (777, 17369), (786, 17378), (810, 17441), (815, 17453), (834, 17504), (880, 17603), (897, 17654), (919, 17741), (929, 17759),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 105

Candidate Starts for Sitar_35:

(97, 31947), (Start: 105 @31965 has 84 MA's), (Start: 129 @32001 has 1 MA's), (226, 32139), (272, 32235), (275, 32244), (296, 32313), (320, 32364), (347, 32409), (355, 32424), (391, 32505), (407, 32550), (410, 32559), (466, 32649), (480, 32679), (487, 32694), (495, 32718), (504, 32748), (585, 32853), (631, 32970), (641, 32988), (647, 33003), (664, 33033), (667, 33045), (668, 33048), (676, 33075), (815, 33399), (816, 33402), (834, 33450), (852, 33477), (860, 33504), (877, 33558), (883, 33585), (925, 33723),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 125

Candidate Starts for Sixama_99:

(Start: 125 @59417 has 1 MA's), (Start: 150 @59450 has 625 MA's), (245, 59600), (246, 59603), (264, 59636), (275, 59666), (276, 59669), (373, 59879), (387, 59909), (404, 59951), (409, 59966), (410, 59969), (466, 60065), (485, 60101), (673, 60461), (680, 60497), (716, 60593), (722, 60611), (754, 60635), (792, 60713), (884, 60953), (916, 61067), (923, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 112

Candidate Starts for Sizemore_18:

(Start: 112 @16641 has 26 MA's), (Start: 138 @16650 has 76 MA's), (Start: 144 @16656 has 125 MA's), (149, 16662), (237, 16794), (261, 16845), (274, 16875), (280, 16899), (320, 17001), (344, 17040), (347, 17046), (355, 17061), (371, 17106), (419, 17226), (450, 17283), (467, 17322), (492, 17370), (500, 17397), (504, 17409), (548, 17490), (589, 17535), (668, 17733), (677, 17763), (685, 17781), (696, 17808), (723, 17892), (742, 17910), (749, 17925), (764, 17973), (769, 17988), (802, 18051), (821, 18108), (837, 18147), (858, 18189), (880, 18240), (907, 18336), (929, 18396),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 140

Candidate Starts for SketchMex_17:

(120, 15350), (Start: 140 @15377 has 9 MA's), (Start: 150 @15380 has 625 MA's), (274, 15590), (347, 15758), (351, 15764), (397, 15872), (400, 15881), (409, 15908), (419, 15938), (430, 15953), (458, 15986), (462, 15998), (480, 16034), (500, 16091), (504, 16103), (606, 16268), (668, 16418), (673, 16433), (678, 16451), (699, 16508), (765, 16637), (769, 16649), (777, 16667), (786, 16676), (814, 16748), (815, 16751), (817, 16757), (821, 16769), (864, 16874), (867, 16883), (879, 16916),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 152

Candidate Starts for SkiPole_29:

(Start: 152 @21425 has 219 MA's), (Start: 173 @21446 has 4 MA's), (Start: 199 @21488 has 1 MA's), (223, 21533), (320, 21749), (347, 21794), (353, 21803), (391, 21893), (393, 21896), (430, 21989), (491, 22091), (514, 22160), (609, 22349), (613, 22361), (614, 22364), (622, 22385), (667, 22481), (668, 22484), (670, 22490), (696, 22559), (699, 22577), (701, 22586), (714, 22616), (753, 22712), (764, 22745), (769, 22760), (815, 22901), (837, 22958), (879, 23069), (925, 23222),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 144

Candidate Starts for SkinnyPete_18:

(Start: 144 @14990 has 125 MA's), (Start: 169 @15017 has 1 MA's), (195, 15056), (Start: 233 @15122 has 2 MA's), (236, 15134), (252, 15170), (264, 15194), (274, 15221), (279, 15242), (282, 15251), (284, 15257), (295, 15290), (371, 15464), (375, 15470), (379, 15479), (382, 15488), (388, 15500), (398, 15524), (411, 15566), (425, 15599), (493, 15650), (494, 15653), (497, 15665), (512, 15707), (516, 15722), (520, 15728), (543, 15776), (564, 15830), (587, 15854), (613, 15926), (634, 15980), (645,

15989), (648, 15998), (662, 16022), (669, 16049), (670, 16052), (751, 16157), (752, 16166), (765, 16205), (793, 16286), (808, 16343), (820, 16382), (864, 16496), (878, 16526), (879, 16529), (883, 16553), (897, 16589),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for Skipitt_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Sknot_28 Start: 20214, Stop: 21986, Start Num: 150

Candidate Starts for Sknot_28:

(Start: 130 @20190 has 8 MA's), (Start: 150 @20214 has 625 MA's), (Start: 244 @20349 has 1 MA's), (253, 20367), (283, 20448), (284, 20451), (319, 20523), (320, 20526), (330, 20541), (353, 20580), (355, 20586), (381, 20649), (401, 20697), (411, 20730), (445, 20784), (487, 20865), (491, 20868), (500, 20898), (580, 21054), (614, 21141), (668, 21261), (707, 21384), (708, 21387), (714, 21393), (743, 21441), (764, 21504), (769, 21519), (771, 21525), (790, 21579), (801, 21618), (805, 21633), (817, 21666), (877, 21822), (879, 21828), (894, 21882),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 162

Candidate Starts for Skysand_43:

(Start: 162 @30914 has 92 MA's), (237, 31031), (273, 31109), (355, 31271), (358, 31283), (363, 31298), (398, 31364), (403, 31379), (461, 31490), (475, 31520), (477, 31523), (501, 31580), (531, 31652), (596, 31736), (603, 31757), (648, 31844), (666, 31892), (706, 32018), (707, 32021), (733, 32054), (766, 32111), (821, 32240), (837, 32279), (883, 32384), (902, 32447), (904, 32459), (908, 32471), (910, 32480), (923, 32516),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 152

Candidate Starts for Slagathor_28:

(Start: 152 @21029 has 219 MA's), (Start: 173 @21050 has 4 MA's), (Start: 199 @21092 has 1 MA's), (223, 21137), (320, 21353), (347, 21398), (353, 21407), (367, 21446), (391, 21497), (393, 21500), (491, 21695), (514, 21764), (542, 21824), (551, 21836), (613, 21965), (614, 21968), (622, 21989), (667, 22085), (668, 22088), (670, 22094), (696, 22163), (699, 22181), (701, 22190), (714, 22220), (753, 22316), (764, 22349), (769, 22364), (815, 22505), (837, 22562), (879, 22673),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 118

Candidate Starts for Slarp_24:

(Start: 96 @18594 has 3 MA's), (Start: 112 @18624 has 26 MA's), (Start: 115 @18630 has 20 MA's), (Start: 118 @18633 has 149 MA's), (Start: 181 @18690 has 32 MA's), (208, 18738), (230, 18777), (237, 18792), (245, 18810), (261, 18843), (274, 18873), (287, 18918), (294, 18936), (325, 19008), (330, 19014), (347, 19044), (375, 19110), (381, 19122), (433, 19257), (465, 19305), (467, 19311), (476, 19329), (492, 19359), (504, 19398), (589, 19524), (609, 19584), (610, 19587), (616, 19605), (623, 19620), (685, 19788), (701, 19842), (719, 19887), (744, 19932), (753, 19956), (764, 19989), (777, 20022), (810, 20094), (815, 20106), (834, 20157), (837, 20163), (882, 20265), (917, 20391), (929, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 180

Candidate Starts for Sleepyhead_18:

(Start: 180 @15726 has 1 MA's), (230, 15813), (263, 15879), (321, 16026), (330, 16041), (365, 16119), (378, 16146), (512, 16431), (520, 16452), (613, 16581), (615, 16587), (654, 16647), (666, 16674),

(667, 16677), (677, 16710), (680, 16722), (695, 16752), (701, 16782), (707, 16803), (716, 16818),
(792, 16938), (837, 17058), (844, 17070),

Gene: Slim_17 Start: 14596, Stop: 16305, Start Num: 139

Candidate Starts for Slim_17:

(Start: 139 @14596 has 218 MA's), (207, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (282, 14857), (284, 14863), (289, 14881), (300, 14911), (353, 15016), (375, 15076), (382, 15094), (384, 15097), (388, 15106), (398, 15130), (493, 15256), (497, 15271), (499, 15277), (512, 15313), (513, 15316), (516, 15328), (520, 15334), (543, 15382), (550, 15394), (554, 15400), (587, 15460), (592, 15472), (606, 15508), (609, 15520), (645, 15595), (648, 15604), (660, 15622), (662, 15628), (670, 15658), (751, 15763), (753, 15775), (765, 15811), (792, 15889), (826, 16009), (843, 16042), (858, 16072), (860, 16084), (864, 16102), (866, 16108), (867, 16111), (869, 16117), (878, 16132), (879, 16135), (882, 16156), (883, 16159), (899, 16201), (904, 16231), (916, 16273), (917, 16279),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Slimphazie_23:

(Start: 118 @17155 has 149 MA's), (Start: 144 @17185 has 125 MA's), (245, 17344), (261, 17377), (274, 17407), (283, 17440), (287, 17452), (325, 17542), (351, 17584), (381, 17656), (385, 17665), (401, 17704), (415, 17749), (424, 17770), (426, 17773), (459, 17827), (467, 17845), (487, 17887), (492, 17893), (500, 17920), (589, 18058), (598, 18076), (609, 18118), (615, 18136), (628, 18166), (643, 18193), (685, 18298), (753, 18457), (765, 18493), (777, 18523), (786, 18532), (815, 18607), (834, 18658), (880, 18757), (907, 18853), (917, 18892), (919, 18895), (929, 18913),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 152

Candidate Starts for Smairt_28:

(Start: 152 @21861 has 219 MA's), (Start: 173 @21882 has 4 MA's), (Start: 199 @21924 has 1 MA's), (223, 21969), (320, 22185), (347, 22230), (353, 22239), (391, 22329), (393, 22332), (491, 22527), (514, 22596), (609, 22785), (613, 22797), (614, 22800), (622, 22821), (667, 22917), (668, 22920), (670, 22926), (696, 22995), (699, 23013), (701, 23022), (714, 23052), (753, 23148), (764, 23181), (769, 23196), (815, 23337), (837, 23394), (879, 23505), (925, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 150

Candidate Starts for Smeadley_24:

(Start: 130 @18628 has 8 MA's), (Start: 150 @18652 has 625 MA's), (222, 18745), (245, 18790), (284, 18889), (300, 18925), (320, 18964), (330, 18979), (351, 19015), (401, 19135), (403, 19141), (467, 19261), (520, 19390), (562, 19462), (613, 19576), (699, 19792), (708, 19825), (753, 19927), (764, 19960), (769, 19975), (780, 20005), (876, 20275), (879, 20284), (880, 20293), (913, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 150

Candidate Starts for Smeagan_30:

(102, 20626), (Start: 130 @20668 has 8 MA's), (Start: 150 @20692 has 625 MA's), (226, 20791), (266, 20875), (279, 20914), (283, 20926), (284, 20929), (319, 21001), (320, 21004), (353, 21058), (367, 21097), (401, 21175), (445, 21262), (487, 21343), (491, 21346), (580, 21532), (614, 21619), (664, 21724), (668, 21739), (708, 21865), (714, 21871), (743, 21919), (769, 21997), (771, 22003), (790, 22057), (801, 22096), (805, 22111), (837, 22195), (869, 22276), (879, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 152

Candidate Starts for Smeagol_29:

(Start: 152 @22440 has 219 MA's), (Start: 173 @22461 has 4 MA's), (Start: 199 @22503 has 1 MA's), (223, 22548), (320, 22764), (347, 22809), (353, 22818), (367, 22857), (393, 22911), (491, 23106), (514, 23175), (613, 23376), (614, 23379), (622, 23400), (667, 23496), (668, 23499), (670, 23505), (696, 23574), (699, 23592), (701, 23601), (714, 23631), (753, 23727), (764, 23760), (769, 23775), (815, 23916), (837, 23973), (879, 24084), (925, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for SmellyB_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (245, 20114), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 105

Candidate Starts for SmokingBunny_31:

(86, 25808), (Start: 105 @25850 has 84 MA's), (Start: 129 @25886 has 1 MA's), (Start: 155 @25919 has 12 MA's), (274, 26129), (275, 26132), (283, 26162), (310, 26228), (320, 26252), (326, 26261), (345, 26294), (410, 26447), (430, 26486), (466, 26537), (470, 26549), (480, 26567), (486, 26579), (490, 26591), (495, 26606), (504, 26636), (505, 26639), (513, 26660), (581, 26732), (603, 26780), (647, 26891), (665, 26924), (676, 26963), (677, 26966), (701, 27038), (740, 27104), (744, 27116), (815, 27287), (816, 27290), (834, 27338), (852, 27365), (860, 27392), (861, 27398), (877, 27446), (908, 27563), (914, 27584), (925, 27611),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 121

Candidate Starts for Smooch_59:

(Start: 115 @35180 has 20 MA's), (Start: 121 @35189 has 44 MA's), (191, 35279), (248, 35396), (266, 35432), (275, 35453), (282, 35480), (284, 35486), (294, 35516), (302, 35540), (327, 35591), (388, 35729), (392, 35735), (409, 35786), (410, 35789), (415, 35807), (493, 35858), (499, 35879), (500, 35882), (516, 35930), (520, 35936), (543, 35984), (544, 35990), (550, 35996), (573, 36056), (587, 36080), (589, 36083), (606, 36128), (610, 36143), (613, 36152), (616, 36161), (634, 36206), (648, 36224), (664, 36257), (753, 36395), (761, 36416), (767, 36437), (782, 36482), (793, 36512), (807, 36566), (820, 36608), (826, 36629), (836, 36650), (843, 36662), (855, 36683), (869, 36737), (897, 36815), (904, 36851), (910, 36872), (917, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 160

Candidate Starts for Smoothie_49:

(Start: 160 @29612 has 22 MA's), (202, 29672), (216, 29705), (Start: 233 @29735 has 2 MA's), (234, 29738), (292, 29897), (294, 29906), (354, 30035), (370, 30083), (520, 30296), (523, 30302), (534, 30326), (601, 30455), (606, 30476), (616, 30509), (688, 30707), (789, 30860), (817, 30959), (821, 30971), (824, 30980), (860, 31064), (905, 31211), (915, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Smurph_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for SnapTap_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (837, 21621), (879,

21732), (916, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Snape_28:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (375, 21175), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 152

Candidate Starts for Snazzy_26:

(Start: 152 @21047 has 219 MA's), (Start: 173 @21068 has 4 MA's), (Start: 199 @21110 has 1 MA's), (223, 21155), (320, 21371), (347, 21416), (353, 21425), (367, 21464), (391, 21515), (393, 21518), (491, 21713), (514, 21782), (613, 21983), (614, 21986), (622, 22007), (667, 22103), (668, 22106), (670, 22112), (696, 22181), (699, 22199), (701, 22208), (714, 22238), (753, 22334), (764, 22367), (769, 22382), (815, 22523), (837, 22580), (879, 22691), (925, 22844),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 112

Candidate Starts for Sneeze_18:

(Start: 112 @16647 has 26 MA's), (Start: 138 @16656 has 76 MA's), (Start: 144 @16662 has 125 MA's), (149, 16668), (208, 16746), (237, 16800), (261, 16851), (274, 16881), (280, 16905), (320, 17007), (344, 17046), (347, 17052), (355, 17067), (419, 17232), (450, 17289), (467, 17328), (487, 17370), (492, 17376), (504, 17415), (569, 17514), (589, 17541), (668, 17739), (677, 17769), (685, 17787), (696, 17814), (723, 17898), (742, 17916), (749, 17931), (764, 17979), (769, 17994), (802, 18057), (809, 18081), (821, 18114), (837, 18153), (858, 18195), (907, 18342), (929, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Snekmaggedon_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 150

Candidate Starts for Snickers_29:

(Start: 150 @20353 has 625 MA's), (Start: 199 @20410 has 1 MA's), (208, 20425), (237, 20479), (Start: 244 @20494 has 1 MA's), (279, 20581), (283, 20593), (284, 20596), (320, 20671), (330, 20686), (351, 20722), (445, 20929), (514, 21082), (562, 21169), (613, 21283), (622, 21307), (631, 21325), (668, 21406), (696, 21481), (699, 21499), (708, 21532), (714, 21538), (727, 21577), (752, 21631), (753, 21634), (761, 21655), (780, 21712), (837, 21880), (877, 21985), (879, 21991), (916, 22126), (925, 22144),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 121

Candidate Starts for SoSeph_21:

(Start: 121 @17643 has 44 MA's), (Start: 127 @17649 has 1 MA's), (Start: 147 @17673 has 1 MA's), (Start: 181 @17706 has 32 MA's), (208, 17754), (237, 17808), (261, 17859), (283, 17922), (330,

18030), (381, 18138), (424, 18252), (426, 18255), (449, 18294), (459, 18309), (465, 18321), (467, 18327), (483, 18363), (487, 18369), (492, 18375), (504, 18414), (513, 18438), (589, 18540), (610, 18603), (627, 18648), (685, 18783), (719, 18882), (757, 18960), (764, 18984), (771, 19005), (785, 19023), (815, 19101), (817, 19107), (882, 19260), (912, 19365), (913, 19368), (917, 19386),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 150

Candidate Starts for SoYo_29:

(Start: 150 @20290 has 625 MA's), (Start: 199 @20347 has 1 MA's), (208, 20362), (226, 20395), (237, 20416), (Start: 244 @20431 has 1 MA's), (279, 20518), (283, 20530), (284, 20533), (320, 20608), (330, 20623), (351, 20659), (445, 20866), (500, 20980), (514, 21019), (562, 21106), (613, 21220), (622, 21244), (631, 21262), (668, 21343), (696, 21418), (699, 21436), (708, 21469), (714, 21475), (727, 21514), (752, 21568), (753, 21571), (761, 21592), (780, 21649), (837, 21817), (877, 21922), (879, 21928), (916, 22063),

Gene: Socotra_19 Start: 15729, Stop: 17429, Start Num: 140

Candidate Starts for Socotra_19:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for SoilAssassin_17:

(79, 14616), (Start: 165 @14751 has 39 MA's), (271, 14940), (272, 14943), (299, 15018), (330, 15072), (363, 15141), (368, 15153), (403, 15231), (404, 15234), (467, 15366), (495, 15420), (511, 15471), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (659, 15744), (668, 15783), (700, 15879), (758, 15987), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 150

Candidate Starts for SoilDragon_29:

(Start: 150 @20067 has 625 MA's), (Start: 199 @20124 has 1 MA's), (208, 20139), (226, 20172), (237, 20193), (Start: 244 @20208 has 1 MA's), (279, 20295), (283, 20307), (284, 20310), (320, 20385), (330, 20400), (351, 20436), (445, 20643), (514, 20796), (562, 20883), (613, 20997), (622, 21021), (631, 21039), (668, 21120), (696, 21195), (699, 21213), (708, 21246), (714, 21252), (727, 21291), (752, 21345), (753, 21348), (761, 21369), (780, 21426), (837, 21594), (877, 21699), (879, 21705), (916, 21840),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 152

Candidate Starts for Solon_27:

(Start: 152 @21712 has 219 MA's), (Start: 173 @21733 has 4 MA's), (Start: 199 @21775 has 1 MA's), (223, 21820), (320, 22036), (347, 22081), (353, 22090), (367, 22129), (391, 22180), (393, 22183), (430, 22276), (491, 22378), (514, 22447), (613, 22648), (614, 22651), (622, 22672), (667, 22768), (668, 22771), (670, 22777), (696, 22846), (699, 22864), (701, 22873), (714, 22903), (753, 22999), (764, 23032), (769, 23047), (815, 23188), (837, 23245), (879, 23356),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 134

Candidate Starts for Sonah_19:

(Start: 116 @16351 has 3 MA's), (Start: 134 @16375 has 48 MA's), (184, 16435), (195, 16456), (197, 16459), (259, 16579), (274, 16618), (283, 16651), (292, 16675), (342, 16795), (359, 16834), (360, 16840), (396, 16924), (398, 16930), (402, 16942), (410, 16966), (420, 16993), (437, 17011), (480, 17050), (493, 17056), (500, 17080), (520, 17134), (526, 17146), (531, 17155), (560, 17215), (597,

17293), (609, 17332), (621, 17365), (648, 17431), (659, 17446), (662, 17455), (668, 17479), (676, 17509), (680, 17521), (763, 17623), (767, 17635), (768, 17638), (770, 17644), (774, 17653), (807, 17761), (836, 17845), (874, 17944), (907, 18052), (923, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 140

Candidate Starts for Sopespian_18:

(Start: 140 @15730 has 9 MA's), (Start: 150 @15733 has 625 MA's), (274, 15943), (320, 16066), (351, 16117), (387, 16204), (393, 16213), (400, 16234), (405, 16249), (409, 16261), (458, 16339), (462, 16351), (476, 16378), (490, 16411), (500, 16444), (504, 16456), (520, 16498), (606, 16621), (633, 16693), (668, 16771), (673, 16786), (678, 16804), (699, 16861), (753, 16954), (765, 16990), (769, 17002), (771, 17008), (777, 17020), (786, 17029), (814, 17101), (815, 17104), (817, 17110), (821, 17122), (852, 17182), (864, 17227), (867, 17236), (879, 17269), (899, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 144

Candidate Starts for SophKB_24:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388, 20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 150

Candidate Starts for SororFago_28:

(Start: 148 @19408 has 18 MA's), (Start: 150 @19411 has 625 MA's), (Start: 244 @19546 has 1 MA's), (275, 19615), (284, 19648), (298, 19678), (319, 19720), (320, 19723), (355, 19783), (401, 19894), (415, 19939), (445, 19981), (483, 20056), (487, 20062), (491, 20065), (509, 20125), (563, 20227), (608, 20314), (614, 20338), (668, 20458), (740, 20656), (769, 20743), (771, 20749), (801, 20842), (877, 21046), (879, 21052),

Gene: Sorpresa_27 Start: 21059, Stop: 22861, Start Num: 152

Candidate Starts for Sorpresa_27:

(Start: 152 @21059 has 219 MA's), (Start: 173 @21080 has 4 MA's), (Start: 199 @21122 has 1 MA's), (320, 21383), (347, 21428), (353, 21437), (367, 21476), (391, 21527), (393, 21530), (491, 21725), (514, 21794), (613, 21995), (614, 21998), (622, 22019), (667, 22115), (668, 22118), (670, 22124), (696, 22193), (699, 22211), (701, 22220), (714, 22250), (753, 22346), (764, 22379), (769, 22394), (815, 22535), (837, 22592), (879, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 150

Candidate Starts for Soshari_31:

(Start: 150 @20462 has 625 MA's), (Start: 199 @20519 has 1 MA's), (208, 20534), (226, 20567), (237, 20588), (Start: 244 @20603 has 1 MA's), (279, 20690), (283, 20702), (284, 20705), (320, 20780), (330, 20795), (351, 20831), (445, 21038), (500, 21152), (514, 21191), (562, 21278), (613, 21392), (622, 21416), (631, 21434), (668, 21515), (696, 21590), (699, 21608), (708, 21641), (714, 21647), (727, 21686), (752, 21740), (753, 21743), (761, 21764), (780, 21821), (837, 21989), (877, 22094), (879, 22100), (916, 22235),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 144

Candidate Starts for Sotrice96_24:

(Start: 144 @19701 has 125 MA's), (Start: 205 @19785 has 48 MA's), (Start: 244 @19863 has 1 MA's), (279, 19950), (284, 19965), (300, 20013), (317, 20052), (359, 20139), (372, 20172), (388, 20208), (400, 20238), (402, 20244), (437, 20313), (495, 20343), (498, 20355), (499, 20358), (520, 20415), (589, 20547), (591, 20553), (614, 20619), (616, 20625), (625, 20649), (648, 20697), (662,

20721), (664, 20730), (688, 20805), (752, 20856), (758, 20871), (809, 21033), (817, 21060), (826, 21090), (868, 21195), (897, 21273), (904, 21309), (907, 21318), (916, 21351), (923, 21366),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 155

Candidate Starts for Soul22_19:

(Start: 155 @13742 has 12 MA's), (212, 13823), (230, 13853), (241, 13874), (246, 13886), (275, 13952), (286, 13991), (289, 14003), (298, 14027), (328, 14084), (330, 14087), (343, 14111), (347, 14117), (348, 14120), (367, 14165), (375, 14183), (393, 14219), (445, 14330), (467, 14366), (480, 14393), (486, 14405), (487, 14408), (500, 14450), (504, 14462), (513, 14486), (568, 14540), (613, 14639), (661, 14732), (668, 14759), (672, 14771), (695, 14816), (699, 14837), (701, 14846), (751, 14918), (815, 15080), (816, 15083), (817, 15086), (864, 15203), (879, 15245), (902, 15329), (914, 15374), (919, 15392),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 150

Candidate Starts for Soups_30:

(102, 19149), (Start: 130 @19191 has 8 MA's), (Start: 150 @19215 has 625 MA's), (245, 19353), (272, 19410), (284, 19452), (300, 19488), (320, 19527), (357, 19596), (367, 19620), (393, 19674), (467, 19824), (491, 19869), (500, 19899), (513, 19935), (536, 19986), (561, 20022), (587, 20070), (610, 20130), (667, 20259), (696, 20337), (769, 20538), (771, 20544), (802, 20640), (866, 20805), (897, 20904),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 139

Candidate Starts for Sparkdehlily_16:

(Start: 139 @14836 has 218 MA's), (207, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (266, 15049), (282, 15097), (284, 15103), (289, 15121), (300, 15151), (353, 15256), (371, 15310), (375, 15316), (379, 15325), (388, 15346), (398, 15370), (410, 15406), (411, 15412), (425, 15445), (427, 15448), (441, 15457), (467, 15472), (474, 15478), (493, 15496), (497, 15511), (499, 15517), (505, 15535), (506, 15538), (512, 15553), (516, 15568), (520, 15574), (543, 15622), (550, 15634), (554, 15640), (587, 15700), (592, 15712), (606, 15748), (609, 15760), (645, 15835), (648, 15844), (660, 15862), (662, 15868), (670, 15898), (751, 16003), (753, 16015), (765, 16051), (792, 16129), (826, 16249), (843, 16282), (858, 16312), (860, 16324), (864, 16342), (866, 16348), (867, 16351), (869, 16357), (878, 16372), (879, 16375), (882, 16396), (883, 16399), (899, 16441), (904, 16471), (916, 16513), (917, 16519),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 150

Candidate Starts for Sparxx_27:

(Start: 130 @19801 has 8 MA's), (Start: 150 @19825 has 625 MA's), (Start: 199 @19882 has 1 MA's), (230, 19936), (237, 19951), (245, 19969), (279, 20053), (283, 20065), (284, 20068), (320, 20143), (330, 20158), (353, 20197), (401, 20314), (445, 20401), (487, 20482), (505, 20530), (514, 20554), (562, 20641), (587, 20686), (614, 20758), (622, 20779), (631, 20797), (668, 20878), (699, 20971), (701, 20980), (708, 21004), (714, 21010), (722, 21034), (753, 21088), (761, 21109), (778, 21160), (787, 21184), (802, 21238), (837, 21334), (877, 21439), (880, 21454), (911, 21562), (916, 21580),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 163

Candidate Starts for SpeedDemon_320:

(82, 28831), (83, 28837), (Start: 163 @28963 has 16 MA's), (202, 29020), (272, 29173), (293, 29248), (354, 29380), (370, 29428), (405, 29512), (499, 29674), (500, 29677), (515, 29719), (520, 29731), (523, 29737), (554, 29797), (556, 29803), (609, 29923), (621, 29956), (639, 30004), (688, 30130), (758, 30196), (817, 30382), (821, 30394), (857, 30472), (871, 30526), (930, 30718),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 150

Candidate Starts for Spike509_29:

(Start: 150 @20463 has 625 MA's), (Start: 199 @20520 has 1 MA's), (208, 20535), (226, 20568), (237, 20589), (Start: 244 @20604 has 1 MA's), (279, 20691), (283, 20703), (284, 20706), (320, 20781), (330, 20796), (351, 20832), (445, 21039), (500, 21153), (514, 21192), (562, 21279), (613, 21393), (622, 21417), (631, 21435), (668, 21516), (696, 21591), (699, 21609), (708, 21642), (714, 21648), (727, 21687), (752, 21741), (753, 21744), (761, 21765), (780, 21822), (837, 21990), (877, 22095), (879, 22101), (916, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 152

Candidate Starts for SpikeBT_29:

(Start: 152 @22017 has 219 MA's), (Start: 173 @22038 has 4 MA's), (Start: 199 @22080 has 1 MA's), (223, 22125), (320, 22341), (347, 22386), (353, 22395), (391, 22485), (393, 22488), (491, 22683), (514, 22752), (613, 22953), (614, 22956), (622, 22977), (667, 23073), (668, 23076), (670, 23082), (696, 23151), (699, 23169), (701, 23178), (714, 23208), (753, 23304), (764, 23337), (769, 23352), (815, 23493), (837, 23550), (879, 23661),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 139

Candidate Starts for Spikelee_17:

(Start: 139 @14630 has 218 MA's), (207, 14717), (Start: 233 @14762 has 2 MA's), (242, 14786), (282, 14891), (284, 14897), (289, 14915), (300, 14945), (353, 15050), (371, 15104), (375, 15110), (379, 15119), (388, 15140), (398, 15164), (410, 15200), (411, 15206), (425, 15239), (427, 15242), (441, 15251), (467, 15266), (474, 15272), (493, 15290), (497, 15305), (499, 15311), (505, 15329), (506, 15332), (512, 15347), (516, 15362), (520, 15368), (543, 15416), (550, 15428), (554, 15434), (587, 15494), (592, 15506), (606, 15542), (609, 15554), (645, 15629), (648, 15638), (660, 15656), (662, 15662), (670, 15692), (751, 15797), (753, 15809), (765, 15845), (792, 15923), (826, 16043), (843, 16076), (858, 16106), (860, 16118), (864, 16136), (866, 16142), (867, 16145), (869, 16151), (878, 16166), (879, 16169), (882, 16190), (883, 16193), (899, 16235), (904, 16265), (916, 16307), (917, 16313),

Gene: Spinach_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for Spinach_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Spino_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Splinter_22 Start: 16480, Stop: 17808, Start Num: 267

Candidate Starts for Splinter_22:

(Start: 267 @16480 has 11 MA's), (276, 16495), (350, 16639), (367, 16684), (387, 16729), (398, 16753), (408, 16783), (414, 16804), (Start: 417 @16813 has 1 MA's), (429, 16837), (432, 16846), (465, 16897), (472, 16909), (583, 17002), (588, 17011), (600, 17020), (614, 17065), (623, 17083), (667,

17176), (681, 17221), (703, 17290), (717, 17311), (766, 17392), (785, 17425), (821, 17512), (837, 17548), (847, 17563), (851, 17572), (868, 17614), (880, 17653), (898, 17707), (901, 17725), (916, 17782), (920, 17791),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Spock_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 144

Candidate Starts for SpongeBob_18:

(Start: 144 @14993 has 125 MA's), (Start: 169 @15020 has 1 MA's), (195, 15059), (Start: 233 @15125 has 2 MA's), (236, 15137), (252, 15173), (264, 15197), (274, 15224), (279, 15245), (282, 15254), (284, 15260), (295, 15293), (371, 15467), (375, 15473), (379, 15482), (382, 15491), (388, 15503), (398, 15527), (411, 15569), (425, 15602), (493, 15653), (494, 15656), (497, 15668), (512, 15710), (516, 15725), (520, 15731), (543, 15779), (564, 15833), (587, 15857), (613, 15929), (634, 15983), (645, 15992), (648, 16001), (662, 16025), (669, 16052), (670, 16055), (751, 16160), (752, 16169), (765, 16208), (793, 16289), (808, 16346), (820, 16385), (864, 16499), (878, 16529), (879, 16532), (883, 16556), (897, 16592),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 150

Candidate Starts for Spooky_20:

(120, 16370), (Start: 150 @16409 has 625 MA's), (Start: 160 @16421 has 22 MA's), (Start: 163 @16424 has 16 MA's), (Start: 199 @16472 has 1 MA's), (213, 16499), (226, 16520), (241, 16547), (247, 16562), (249, 16568), (252, 16571), (259, 16583), (273, 16619), (283, 16655), (305, 16712), (315, 16733), (330, 16760), (345, 16787), (430, 16985), (443, 17003), (455, 17012), (458, 17018), (480, 17066), (492, 17096), (503, 17132), (505, 17138), (513, 17159), (514, 17162), (581, 17240), (582, 17243), (596, 17270), (606, 17297), (633, 17369), (659, 17408), (677, 17462), (701, 17534), (720, 17579), (757, 17642), (765, 17669), (766, 17672), (771, 17687), (810, 17771), (814, 17780), (815, 17783), (817, 17789), (822, 17804), (835, 17834), (838, 17840), (852, 17861), (853, 17864), (868, 17918), (879, 17948), (880, 17957), (896, 18008), (904, 18041), (908, 18053), (913, 18071),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 139

Candidate Starts for Spoonbill_16:

(Start: 139 @14813 has 218 MA's), (207, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (282, 15074), (284, 15080), (289, 15098), (300, 15128), (353, 15233), (375, 15293), (384, 15314), (388, 15323), (398, 15347), (425, 15422), (427, 15425), (493, 15473), (497, 15488), (499, 15494), (512, 15530), (513, 15533), (516, 15545), (520, 15551), (543, 15599), (550, 15611), (554, 15617), (587, 15677), (592, 15689), (606, 15725), (609, 15737), (645, 15812), (648, 15821), (660, 15839), (662, 15845), (670, 15875), (751, 15980), (753, 15992), (765, 16028), (792, 16106), (826, 16226), (843, 16259), (858, 16289), (864, 16319), (867, 16328), (869, 16334), (878, 16349), (879, 16352), (883, 16376), (894, 16406), (899, 16418), (904, 16448), (916, 16490),

Gene: Spouty_30 Start: 21779, Stop: 23569, Start Num: 150

Candidate Starts for Spouty_30:

(Start: 148 @21776 has 18 MA's), (Start: 150 @21779 has 625 MA's), (283, 22013), (284, 22016), (319, 22088), (320, 22091), (330, 22106), (353, 22145), (355, 22151), (401, 22262), (445, 22349), (487, 22430), (491, 22433), (509, 22493), (580, 22619), (608, 22682), (614, 22706), (616, 22712), (631, 22745), (668, 22826), (708, 22952), (726, 22994), (727, 22997), (753, 23054), (764, 23087),

(769, 23102), (801, 23201), (802, 23204), (805, 23216), (837, 23300), (864, 23366), (877, 23405), (879, 23411), (890, 23456), (907, 23513), (908, 23516),

Gene: Sprinklemunch_18 Start: 16081, Stop: 17787, Start Num: 174

Candidate Starts for Sprinklemunch_18:

(143, 16057), (Start: 174 @16081 has 18 MA's), (Start: 185 @16093 has 2 MA's), (192, 16108), (273, 16267), (285, 16309), (288, 16321), (295, 16342), (381, 16528), (443, 16669), (465, 16699), (468, 16708), (470, 16714), (553, 16876), (628, 17023), (661, 17086), (662, 17089), (679, 17152), (681, 17155), (696, 17188), (697, 17191), (766, 17362), (811, 17461), (837, 17530), (864, 17584), (880, 17623), (929, 17779),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Sproutie_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 152

Candidate Starts for Squee_28:

(Start: 152 @21966 has 219 MA's), (Start: 173 @21987 has 4 MA's), (Start: 199 @22029 has 1 MA's), (223, 22074), (320, 22290), (347, 22335), (353, 22344), (367, 22383), (391, 22434), (393, 22437), (491, 22632), (514, 22701), (542, 22761), (613, 22902), (614, 22905), (622, 22926), (667, 23022), (668, 23025), (670, 23031), (696, 23100), (699, 23118), (701, 23127), (714, 23157), (753, 23253), (764, 23286), (769, 23301), (815, 23442), (837, 23499), (879, 23610),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 150

Candidate Starts for Squiddly_22:

(120, 17782), (Start: 150 @17821 has 625 MA's), (Start: 160 @17833 has 22 MA's), (Start: 163 @17836 has 16 MA's), (213, 17911), (226, 17932), (241, 17959), (247, 17974), (249, 17980), (252, 17983), (259, 17995), (273, 18031), (279, 18055), (283, 18067), (305, 18124), (315, 18145), (330, 18172), (345, 18199), (361, 18235), (405, 18340), (430, 18397), (443, 18415), (455, 18424), (458, 18430), (480, 18478), (492, 18508), (503, 18544), (505, 18550), (513, 18571), (514, 18574), (581, 18652), (582, 18655), (596, 18682), (606, 18709), (633, 18781), (659, 18820), (677, 18874), (692, 18910), (701, 18946), (720, 18991), (757, 19054), (758, 19057), (765, 19081), (766, 19084), (771, 19099), (810, 19183), (814, 19192), (815, 19195), (817, 19201), (822, 19216), (835, 19246), (838, 19252), (852, 19273), (853, 19276), (868, 19330), (879, 19360), (880, 19369), (896, 19420), (904, 19453), (908, 19465), (913, 19483),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 138

Candidate Starts for Squint_33:

(Start: 138 @25007 has 76 MA's), (Start: 205 @25097 has 48 MA's), (207, 25100), (242, 25175), (255, 25202), (279, 25268), (292, 25304), (301, 25334), (308, 25349), (347, 25433), (360, 25469), (372, 25496), (390, 25535), (402, 25568), (405, 25577), (427, 25634), (479, 25676), (515, 25751), (520, 25763), (550, 25823), (572, 25877), (589, 25907), (597, 25925), (602, 25934), (610, 25967), (614, 25979), (616, 25985), (631, 26024), (662, 26081), (758, 26231), (763, 26249), (778, 26291), (787, 26315), (788, 26318), (792, 26333), (800, 26363), (809, 26393), (826, 26450), (885, 26600), (919, 26720), (923, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 139

Candidate Starts for Squirty_17:

(Start: 139 @14712 has 218 MA's), (207, 14799), (Start: 233 @14844 has 2 MA's), (242, 14868), (282, 14973), (284, 14979), (289, 14997), (300, 15027), (353, 15132), (375, 15192), (384, 15213), (388, 15222), (398, 15246), (493, 15372), (497, 15387), (499, 15393), (512, 15429), (516, 15444), (520, 15450), (543, 15498), (550, 15510), (554, 15516), (587, 15576), (592, 15588), (606, 15624), (609, 15636), (645, 15711), (648, 15720), (660, 15738), (662, 15744), (670, 15774), (751, 15879), (752, 15888), (753, 15891), (765, 15927), (792, 16005), (820, 16104), (826, 16125), (843, 16158), (858, 16188), (864, 16218), (867, 16227), (869, 16233), (878, 16248), (879, 16251), (882, 16272), (883, 16275), (894, 16305), (899, 16317), (916, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 128

Candidate Starts for StAB_17:

(Start: 128 @16311 has 8 MA's), (143, 16332), (206, 16416), (220, 16443), (223, 16449), (281, 16581), (305, 16632), (320, 16665), (335, 16689), (391, 16809), (403, 16842), (409, 16860), (439, 16914), (467, 16959), (495, 17016), (498, 17028), (512, 17067), (568, 17127), (582, 17148), (587, 17157), (609, 17214), (650, 17304), (692, 17412), (706, 17466), (708, 17472), (718, 17490), (772, 17586), (787, 17607), (805, 17652), (866, 17811), (872, 17826), (878, 17841), (880, 17853), (923, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 139

Candidate Starts for StAnnes_16:

(Start: 139 @14854 has 218 MA's), (207, 14941), (Start: 233 @14986 has 2 MA's), (242, 15010), (282, 15115), (284, 15121), (289, 15139), (300, 15169), (353, 15274), (375, 15334), (384, 15355), (388, 15364), (398, 15388), (493, 15514), (497, 15529), (499, 15535), (512, 15571), (513, 15574), (516, 15586), (520, 15592), (543, 15640), (550, 15652), (554, 15658), (587, 15718), (592, 15730), (606, 15766), (609, 15778), (645, 15853), (648, 15862), (660, 15880), (662, 15886), (670, 15916), (751, 16021), (752, 16030), (753, 16033), (765, 16069), (792, 16147), (820, 16246), (826, 16267), (843, 16300), (858, 16330), (864, 16360), (867, 16369), (869, 16375), (878, 16390), (879, 16393), (883, 16417), (894, 16447), (899, 16459), (904, 16489), (916, 16531),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for StCroix_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 150

Candidate Starts for Stagni_29:

(Start: 150 @20381 has 625 MA's), (Start: 199 @20438 has 1 MA's), (208, 20453), (237, 20507), (Start: 244 @20522 has 1 MA's), (279, 20609), (283, 20621), (284, 20624), (320, 20699), (330, 20714), (351, 20750), (445, 20957), (514, 21110), (562, 21197), (613, 21311), (622, 21335), (631, 21353), (668, 21434), (696, 21509), (699, 21527), (708, 21560), (714, 21566), (727, 21605), (752, 21659), (753, 21662), (761, 21683), (780, 21740), (837, 21908), (877, 22013), (879, 22019), (916, 22154),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 205

Candidate Starts for Stank_27:

(Start: 144 @20252 has 125 MA's), (Start: 205 @20336 has 48 MA's), (Start: 244 @20414 has 1 MA's), (279, 20501), (284, 20516), (300, 20564), (317, 20603), (359, 20690), (372, 20723), (388, 20759), (400, 20789), (402, 20795), (437, 20864), (495, 20894), (498, 20906), (499, 20909), (520, 20966), (589, 21098), (591, 21104), (614, 21170), (616, 21176), (625, 21200), (648, 21248), (662, 21272), (664, 21281), (688, 21356), (752, 21407), (758, 21422), (809, 21584), (817, 21611), (826, 21641), (868, 21746), (897, 21824), (904, 21860), (907, 21869), (916, 21902), (923, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 139

Candidate Starts for Stap_17:

(Start: 139 @14836 has 218 MA's), (207, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (282, 15097), (284, 15103), (289, 15121), (300, 15151), (353, 15256), (375, 15316), (384, 15337), (388, 15346), (398, 15370), (425, 15445), (493, 15496), (497, 15511), (499, 15517), (512, 15553), (513, 15556), (516, 15568), (520, 15574), (543, 15622), (550, 15634), (554, 15640), (587, 15700), (592, 15712), (606, 15748), (609, 15760), (645, 15835), (648, 15844), (660, 15862), (662, 15868), (670, 15898), (751, 16003), (753, 16015), (765, 16051), (792, 16129), (820, 16228), (826, 16249), (843, 16282), (858, 16312), (864, 16342), (866, 16348), (867, 16351), (869, 16357), (878, 16372), (879, 16375), (882, 16396), (883, 16399), (899, 16441), (916, 16513), (917, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 162

Candidate Starts for StarStruck_42:

(Start: 162 @30437 has 92 MA's), (237, 30551), (363, 30818), (398, 30884), (403, 30899), (412, 30923), (413, 30926), (461, 31010), (475, 31040), (482, 31058), (498, 31091), (501, 31100), (507, 31118), (517, 31148), (531, 31172), (596, 31256), (603, 31277), (626, 31325), (648, 31364), (666, 31412), (706, 31538), (733, 31574), (797, 31685), (821, 31760), (894, 31937), (904, 31979), (923, 32036),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for StarStuff_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (253, 20202), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 140

Candidate Starts for Starburst_19:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (325, 16074), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: Starceвич_17 Start: 14598, Stop: 16307, Start Num: 139

Candidate Starts for Starceвич_17:

(Start: 139 @14598 has 218 MA's), (207, 14685), (Start: 233 @14730 has 2 MA's), (242, 14754), (282, 14859), (284, 14865), (289, 14883), (300, 14913), (353, 15018), (375, 15078), (382, 15096), (384, 15099), (388, 15108), (398, 15132), (493, 15258), (497, 15273), (499, 15279), (512, 15315), (513, 15318), (516, 15330), (520, 15336), (543, 15384), (550, 15396), (554, 15402), (587, 15462), (592, 15474), (606, 15510), (609, 15522), (645, 15597), (648, 15606), (660, 15624), (662, 15630), (670, 15660), (751, 15765), (753, 15777), (765, 15813), (792, 15891), (826, 16011), (843, 16044), (858, 16074), (860, 16086), (864, 16104), (866, 16110), (867, 16113), (869, 16119), (878, 16134), (879, 16137), (882, 16158), (883, 16161), (899, 16203), (904, 16233), (916, 16275), (917, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 138

Candidate Starts for Stargaze_18:

(Start: 138 @16978 has 76 MA's), (232, 17098), (261, 17161), (274, 17191), (298, 17266), (320, 17317), (325, 17326), (330, 17332), (347, 17362), (351, 17368), (371, 17422), (400, 17485), (419, 17542), (467, 17638), (470, 17647), (492, 17686), (504, 17725), (516, 17761), (668, 18043), (685,

18091), (696, 18118), (703, 18154), (742, 18208), (821, 18406), (830, 18430), (834, 18439), (858, 18487), (907, 18634), (919, 18676), (921, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 144

Candidate Starts for Stark_25:

(Start: 144 @19504 has 125 MA's), (Start: 205 @19588 has 48 MA's), (Start: 244 @19666 has 1 MA's), (279, 19753), (284, 19768), (300, 19816), (317, 19855), (359, 19942), (372, 19975), (388, 20011), (400, 20041), (402, 20047), (437, 20116), (495, 20146), (498, 20158), (499, 20161), (520, 20218), (589, 20350), (591, 20356), (614, 20422), (616, 20428), (625, 20452), (648, 20500), (662, 20524), (664, 20533), (688, 20608), (752, 20659), (758, 20674), (809, 20836), (817, 20863), (826, 20893), (868, 20998), (897, 21076), (904, 21112), (907, 21121), (916, 21154), (923, 21169),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 150

Candidate Starts for Stasia_28:

(Start: 130 @20241 has 8 MA's), (Start: 150 @20265 has 625 MA's), (Start: 199 @20325 has 1 MA's), (237, 20394), (Start: 244 @20409 has 1 MA's), (279, 20496), (283, 20508), (284, 20511), (298, 20541), (320, 20586), (330, 20601), (353, 20640), (401, 20757), (445, 20844), (487, 20925), (500, 20958), (505, 20973), (514, 20997), (562, 21084), (581, 21117), (614, 21201), (622, 21222), (631, 21240), (668, 21321), (699, 21414), (701, 21423), (708, 21447), (714, 21453), (719, 21468), (743, 21501), (753, 21531), (761, 21552), (778, 21603), (802, 21681), (810, 21708), (837, 21777), (853, 21801), (877, 21882), (880, 21897), (909, 21999), (916, 22023),

Gene: SteMason_26 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for SteMason_26:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 150

Candidate Starts for SteamedHams_20:

(Start: 140 @15395 has 9 MA's), (Start: 150 @15398 has 625 MA's), (222, 15500), (230, 15512), (274, 15608), (300, 15692), (351, 15782), (375, 15842), (387, 15869), (400, 15899), (401, 15902), (430, 15971), (458, 16004), (462, 16016), (465, 16019), (474, 16040), (476, 16043), (500, 16109), (504, 16121), (606, 16286), (668, 16436), (673, 16451), (678, 16469), (699, 16526), (769, 16667), (771, 16673), (777, 16685), (786, 16694), (814, 16766), (815, 16769), (817, 16775), (821, 16787), (864, 16892), (867, 16901), (879, 16934),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 150

Candidate Starts for Steamy_29:

(102, 21173), (Start: 130 @21215 has 8 MA's), (Start: 150 @21239 has 625 MA's), (283, 21473), (284, 21476), (298, 21506), (319, 21548), (320, 21551), (332, 21569), (353, 21605), (355, 21611), (401, 21722), (411, 21755), (445, 21809), (487, 21890), (491, 21893), (536, 22010), (580, 22079), (627, 22199), (631, 22205), (668, 22286), (701, 22388), (708, 22412), (726, 22454), (753, 22514), (764, 22547), (769, 22562), (771, 22568), (780, 22592), (790, 22622), (801, 22661), (802, 22664), (805, 22676), (837, 22760), (890, 22916), (916, 23006),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 144

Candidate Starts for StellaBean_24:

(Start: 144 @19745 has 125 MA's), (Start: 205 @19829 has 48 MA's), (Start: 244 @19907 has 1 MA's), (279, 19994), (284, 20009), (300, 20057), (317, 20096), (359, 20183), (372, 20216), (388,

20252), (400, 20282), (402, 20288), (437, 20357), (495, 20387), (498, 20399), (499, 20402), (520, 20459), (589, 20591), (591, 20597), (614, 20663), (616, 20669), (625, 20693), (648, 20741), (662, 20765), (664, 20774), (688, 20849), (752, 20900), (758, 20915), (809, 21077), (817, 21104), (826, 21134), (868, 21239), (897, 21317), (904, 21353), (907, 21362), (916, 21395), (923, 21410),

Gene: Stellammi_17 Start: 14170, Stop: 16032, Start Num: 111

Candidate Starts for Stellammi_17:

(87, 14113), (108, 14167), (111, 14170), (Start: 128 @14191 has 8 MA's), (Start: 134 @14200 has 48 MA's), (198, 14278), (230, 14335), (237, 14350), (257, 14389), (263, 14404), (273, 14428), (274, 14431), (301, 14515), (365, 14647), (387, 14695), (391, 14701), (393, 14704), (403, 14734), (404, 14737), (433, 14815), (438, 14821), (476, 14887), (497, 14935), (505, 14959), (536, 15031), (540, 15037), (542, 15043), (557, 15070), (559, 15073), (587, 15145), (593, 15157), (627, 15256), (660, 15322), (667, 15349), (668, 15352), (685, 15400), (696, 15427), (716, 15490), (719, 15499), (722, 15508), (735, 15523), (762, 15586), (794, 15643), (810, 15703), (815, 15715), (837, 15772), (854, 15805), (864, 15829), (868, 15841), (876, 15850), (880, 15868), (891, 15907), (897, 15919), (908, 15967), (910, 15976), (915, 15994), (929, 16024),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 199

Candidate Starts for StepMih_29:

(Start: 150 @20372 has 625 MA's), (Start: 199 @20429 has 1 MA's), (208, 20444), (237, 20498), (Start: 244 @20513 has 1 MA's), (279, 20600), (283, 20612), (284, 20615), (320, 20690), (330, 20705), (351, 20741), (445, 20948), (514, 21101), (562, 21188), (613, 21302), (622, 21326), (631, 21344), (668, 21425), (696, 21500), (699, 21518), (708, 21551), (714, 21557), (727, 21596), (752, 21650), (753, 21653), (761, 21674), (780, 21731), (837, 21899), (877, 22004), (879, 22010), (916, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 150

Candidate Starts for Stephig9_24:

(Start: 130 @18609 has 8 MA's), (Start: 150 @18633 has 625 MA's), (222, 18726), (245, 18771), (284, 18870), (300, 18906), (320, 18945), (330, 18960), (351, 18996), (401, 19116), (403, 19122), (467, 19242), (520, 19371), (562, 19443), (613, 19557), (699, 19773), (708, 19806), (753, 19908), (764, 19941), (769, 19956), (780, 19986), (876, 20256), (879, 20265), (880, 20274), (913, 20388),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 134

Candidate Starts for StevieRay_19:

(Start: 116 @16352 has 3 MA's), (Start: 134 @16376 has 48 MA's), (184, 16436), (195, 16457), (197, 16460), (259, 16580), (274, 16619), (283, 16652), (292, 16676), (342, 16796), (359, 16835), (360, 16841), (396, 16925), (398, 16931), (402, 16943), (410, 16967), (420, 16994), (437, 17012), (480, 17051), (493, 17057), (500, 17081), (520, 17135), (526, 17147), (531, 17156), (560, 17216), (597, 17294), (609, 17333), (621, 17366), (648, 17432), (659, 17447), (662, 17456), (668, 17480), (676, 17510), (680, 17522), (763, 17624), (767, 17636), (768, 17639), (770, 17645), (774, 17654), (807, 17762), (836, 17846), (874, 17945), (907, 18053), (923, 18101),

Gene: StewieG_26 Start: 20923, Stop: 22704, Start Num: 173

Candidate Starts for StewieG_26:

(Start: 152 @20902 has 219 MA's), (Start: 173 @20923 has 4 MA's), (Start: 199 @20965 has 1 MA's), (223, 21010), (320, 21226), (347, 21271), (353, 21280), (367, 21319), (391, 21370), (393, 21373), (491, 21568), (514, 21637), (613, 21838), (614, 21841), (622, 21862), (667, 21958), (668, 21961), (670, 21967), (696, 22036), (699, 22054), (701, 22063), (714, 22093), (753, 22189), (764, 22222), (769, 22237), (815, 22378), (837, 22435), (879, 22546),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 165

Candidate Starts for Stickynote_33:

(Start: 165 @28749 has 39 MA's), (273, 28917), (284, 28956), (354, 29091), (378, 29151), (464, 29304), (469, 29316), (473, 29325), (475, 29328), (496, 29373), (501, 29388), (504, 29397), (531, 29460), (539, 29478), (586, 29532), (681, 29748), (718, 29841), (783, 29949), (805, 30003), (833, 30078), (884, 30207), (922, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 128

Candidate Starts for Stiles_17:

(Start: 128 @16089 has 8 MA's), (143, 16110), (206, 16194), (220, 16221), (223, 16227), (281, 16359), (305, 16410), (320, 16443), (335, 16467), (391, 16587), (403, 16620), (409, 16638), (439, 16692), (467, 16737), (495, 16794), (498, 16806), (512, 16845), (568, 16905), (582, 16926), (587, 16935), (609, 16992), (650, 17082), (692, 17190), (706, 17244), (708, 17250), (718, 17268), (772, 17364), (787, 17385), (805, 17430), (866, 17589), (872, 17604), (878, 17619), (880, 17631), (923, 17775),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 150

Candidate Starts for Stink_28:

(Start: 130 @20082 has 8 MA's), (Start: 150 @20106 has 625 MA's), (Start: 155 @20112 has 12 MA's), (Start: 199 @20166 has 1 MA's), (237, 20235), (273, 20313), (279, 20337), (283, 20349), (284, 20352), (320, 20427), (330, 20442), (353, 20481), (393, 20574), (401, 20598), (445, 20685), (500, 20799), (562, 20925), (587, 20970), (613, 21039), (622, 21063), (627, 21075), (668, 21162), (696, 21237), (699, 21255), (708, 21288), (714, 21294), (719, 21309), (752, 21387), (753, 21390), (761, 21411), (837, 21636), (868, 21714), (869, 21717), (877, 21741), (879, 21747), (916, 21882), (925, 21900),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 118

Candidate Starts for Stinson_23:

(Start: 118 @17121 has 149 MA's), (Start: 144 @17151 has 125 MA's), (245, 17310), (261, 17343), (274, 17373), (283, 17406), (287, 17418), (325, 17508), (347, 17544), (351, 17550), (381, 17622), (385, 17631), (401, 17670), (415, 17715), (424, 17736), (426, 17739), (467, 17811), (487, 17853), (492, 17859), (500, 17886), (513, 17922), (548, 17979), (589, 18024), (598, 18042), (615, 18102), (628, 18132), (643, 18159), (685, 18264), (716, 18354), (753, 18423), (765, 18459), (777, 18489), (786, 18498), (815, 18573), (834, 18624), (880, 18723), (897, 18774), (917, 18858), (919, 18861), (929, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 144

Candidate Starts for StolenFromERC_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 205

Candidate Starts for StormChicken_24:

(Start: 144 @19920 has 125 MA's), (Start: 205 @20004 has 48 MA's), (Start: 244 @20082 has 1 MA's), (279, 20169), (284, 20184), (300, 20232), (317, 20271), (359, 20358), (372, 20391), (388, 20427), (400, 20457), (402, 20463), (437, 20532), (495, 20562), (498, 20574), (499, 20577), (520, 20634), (589, 20766), (591, 20772), (614, 20838), (616, 20844), (625, 20868), (648, 20916), (662, 20940), (664, 20949), (688, 21024), (752, 21075), (758, 21090), (809, 21252), (817, 21279), (826, 21309), (868, 21414), (897, 21492), (904, 21528), (907, 21537), (916, 21570), (923, 21585),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 105

Candidate Starts for StorminNorm_34:

(Start: 105 @29521 has 84 MA's), (Start: 129 @29557 has 1 MA's), (220, 29686), (226, 29695), (272, 29791), (275, 29800), (296, 29869), (320, 29920), (347, 29965), (355, 29980), (361, 29998), (391, 30061), (407, 30106), (410, 30115), (476, 30226), (480, 30235), (487, 30250), (495, 30274), (504, 30304), (631, 30526), (641, 30544), (647, 30559), (667, 30601), (668, 30604), (676, 30631), (723, 30751), (757, 30814), (815, 30955), (816, 30958), (834, 31006), (852, 31033), (860, 31060), (877, 31114), (883, 31141),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 134

Candidate Starts for StressBall_19:

(Start: 116 @16249 has 3 MA's), (Start: 134 @16273 has 48 MA's), (184, 16333), (195, 16354), (197, 16357), (259, 16477), (274, 16516), (283, 16549), (292, 16573), (342, 16693), (359, 16732), (360, 16738), (396, 16822), (398, 16828), (402, 16840), (410, 16864), (420, 16891), (437, 16909), (480, 16948), (493, 16954), (500, 16978), (520, 17032), (526, 17044), (531, 17053), (560, 17113), (597, 17191), (609, 17230), (621, 17263), (648, 17329), (662, 17353), (668, 17377), (676, 17407), (763, 17521), (767, 17533), (770, 17542), (774, 17551), (807, 17659), (836, 17743), (874, 17842), (907, 17950), (923, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 115

Candidate Starts for Strobilo_19:

(Start: 96 @14980 has 3 MA's), (Start: 112 @15010 has 26 MA's), (Start: 115 @15016 has 20 MA's), (Start: 138 @15031 has 76 MA's), (Start: 181 @15073 has 32 MA's), (208, 15121), (230, 15160), (237, 15175), (261, 15226), (274, 15256), (283, 15289), (287, 15301), (294, 15319), (325, 15391), (330, 15397), (375, 15493), (381, 15505), (419, 15607), (426, 15622), (446, 15658), (467, 15694), (492, 15742), (504, 15781), (513, 15805), (516, 15817), (589, 15907), (593, 15916), (667, 16111), (685, 16162), (701, 16216), (722, 16270), (777, 16384), (786, 16393), (815, 16468), (834, 16519), (837, 16525), (880, 16621), (898, 16675), (917, 16756), (929, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 139

Candidate Starts for Strokeseat_16:

(Start: 139 @14904 has 218 MA's), (207, 14991), (Start: 233 @15036 has 2 MA's), (242, 15060), (282, 15165), (284, 15171), (289, 15189), (300, 15219), (353, 15324), (375, 15384), (384, 15405), (388, 15414), (398, 15438), (493, 15564), (497, 15579), (499, 15585), (512, 15621), (513, 15624), (516, 15636), (520, 15642), (543, 15690), (550, 15702), (554, 15708), (587, 15768), (592, 15780), (606, 15816), (609, 15828), (645, 15903), (648, 15912), (660, 15930), (662, 15936), (670, 15966), (751, 16071), (752, 16080), (753, 16083), (765, 16119), (792, 16197), (820, 16296), (826, 16317), (843, 16350), (858, 16380), (864, 16410), (867, 16419), (869, 16425), (878, 16440), (879, 16443), (883, 16467), (894, 16497), (899, 16509), (904, 16539), (916, 16581),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 152

Candidate Starts for StrongArm_26:

(Start: 152 @22101 has 219 MA's), (Start: 173 @22122 has 4 MA's), (Start: 199 @22164 has 1 MA's), (223, 22209), (320, 22425), (347, 22470), (353, 22479), (367, 22518), (391, 22569), (393, 22572), (491, 22767), (514, 22836), (613, 23037), (614, 23040), (622, 23061), (667, 23157), (668, 23160), (670, 23166), (696, 23235), (699, 23253), (701, 23262), (714, 23292), (753, 23388), (764, 23421), (769, 23436), (780, 23466), (815, 23577), (837, 23634), (879, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 150

Candidate Starts for Strosahl_30:

(102, 18991), (Start: 130 @19033 has 8 MA's), (Start: 150 @19057 has 625 MA's), (245, 19195), (272, 19252), (284, 19294), (300, 19330), (320, 19369), (357, 19438), (367, 19462), (393, 19516), (467, 19666), (491, 19711), (500, 19741), (513, 19777), (536, 19828), (561, 19864), (587, 19912), (610, 19972), (667, 20101), (696, 20179), (769, 20380), (771, 20386), (802, 20482), (866, 20647), (897, 20746),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 105

Candidate Starts for Stultus_33:

(97, 29874), (Start: 105 @29892 has 84 MA's), (Start: 129 @29928 has 1 MA's), (226, 30066), (272, 30162), (275, 30171), (296, 30240), (320, 30291), (347, 30336), (355, 30351), (391, 30432), (407, 30477), (410, 30486), (466, 30576), (480, 30606), (487, 30621), (495, 30645), (504, 30675), (631, 30897), (641, 30915), (647, 30930), (664, 30960), (667, 30972), (668, 30975), (676, 31002), (815, 31326), (816, 31329), (834, 31377), (852, 31404), (860, 31431), (877, 31485), (883, 31512), (919, 31641),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 162

Candidate Starts for Suerte_18:

(87, 16694), (Start: 162 @16811 has 92 MA's), (312, 17069), (323, 17090), (355, 17144), (368, 17183), (396, 17240), (403, 17261), (526, 17432), (534, 17450), (552, 17474), (575, 17495), (603, 17537), (631, 17618), (667, 17708), (681, 17753), (700, 17810), (701, 17813), (722, 17867), (770, 17957), (880, 18236), (882, 18245), (891, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 162

Candidate Starts for Sukkupi_43:

(Start: 162 @29457 has 92 MA's), (Start: 171 @29466 has 1 MA's), (Start: 174 @29469 has 18 MA's), (Start: 190 @29493 has 1 MA's), (237, 29571), (320, 29754), (355, 29811), (358, 29823), (363, 29838), (398, 29904), (403, 29919), (412, 29943), (461, 30030), (464, 30036), (475, 30060), (501, 30120), (511, 30150), (519, 30171), (596, 30276), (603, 30297), (648, 30384), (666, 30432), (706, 30558), (733, 30594), (814, 30759), (820, 30777), (834, 30813), (902, 30987), (904, 30999), (923, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 118

Candidate Starts for Sulley_23:

(Start: 118 @17121 has 149 MA's), (Start: 144 @17151 has 125 MA's), (245, 17310), (261, 17343), (274, 17373), (283, 17406), (287, 17418), (325, 17508), (351, 17550), (381, 17622), (385, 17631), (401, 17670), (415, 17715), (424, 17736), (426, 17739), (459, 17793), (467, 17811), (487, 17853), (492, 17859), (500, 17886), (589, 18024), (598, 18042), (609, 18084), (615, 18102), (628, 18132), (643, 18159), (685, 18264), (753, 18423), (765, 18459), (777, 18489), (786, 18498), (815, 18573), (834, 18624), (907, 18819), (917, 18858), (919, 18861), (929, 18879),

Gene: Sultana_27 Start: 19828, Stop: 21606, Start Num: 150

Candidate Starts for Sultana_27:

(Start: 130 @19804 has 8 MA's), (Start: 150 @19828 has 625 MA's), (Start: 199 @19885 has 1 MA's), (230, 19939), (237, 19954), (245, 19972), (279, 20056), (283, 20068), (284, 20071), (320, 20146), (330, 20161), (353, 20200), (401, 20317), (445, 20404), (487, 20485), (505, 20533), (514, 20557), (562, 20644), (587, 20689), (614, 20761), (622, 20782), (631, 20800), (668, 20881), (699, 20974), (701, 20983), (708, 21007), (714, 21013), (722, 21037), (753, 21091), (761, 21112), (778, 21163), (787, 21187), (802, 21241), (837, 21337), (877, 21442), (880, 21457), (911, 21565), (916, 21583),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 150

Candidate Starts for SummitAcademy_17:

(Start: 140 @15492 has 9 MA's), (Start: 150 @15495 has 625 MA's), (222, 15594), (245, 15636), (351, 15876), (387, 15963), (397, 15984), (400, 15993), (409, 16020), (430, 16065), (458, 16098), (465, 16113), (476, 16137), (490, 16170), (500, 16203), (504, 16215), (528, 16272), (580, 16320), (594, 16350), (606, 16380), (610, 16395), (627, 16443), (657, 16494), (668, 16530), (673, 16545), (678, 16563), (699, 16620), (701, 16629), (765, 16749), (769, 16761), (798, 16809), (814, 16860), (815, 16863), (821, 16881), (858, 16959), (864, 16986), (879, 17028), (919, 17175), (923, 17181),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 152

Candidate Starts for Sumter_26:

(Start: 152 @20650 has 219 MA's), (Start: 173 @20671 has 4 MA's), (Start: 199 @20713 has 1 MA's), (223, 20758), (320, 20974), (347, 21019), (353, 21028), (391, 21118), (393, 21121), (491, 21316), (514, 21385), (613, 21586), (614, 21589), (622, 21610), (667, 21706), (668, 21709), (670, 21715), (696, 21784), (699, 21802), (701, 21811), (714, 21841), (753, 21937), (764, 21970), (769, 21985), (815, 22126), (837, 22183), (879, 22294),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 118

Candidate Starts for Sunflower1121_21:

(Start: 112 @16217 has 26 MA's), (Start: 118 @16226 has 149 MA's), (Start: 144 @16256 has 125 MA's), (230, 16382), (237, 16397), (245, 16415), (261, 16448), (274, 16478), (287, 16523), (325, 16613), (347, 16649), (381, 16727), (385, 16736), (424, 16841), (426, 16844), (465, 16910), (467, 16916), (487, 16958), (492, 16964), (500, 16991), (598, 17147), (615, 17207), (665, 17309), (668, 17321), (685, 17369), (707, 17444), (719, 17468), (753, 17528), (765, 17564), (777, 17594), (815, 17678), (834, 17729), (837, 17735), (880, 17828), (917, 17963), (919, 17966), (929, 17984),

Gene: Sunhee_27 Start: 19447, Stop: 21246, Start Num: 150

Candidate Starts for Sunhee_27:

(Start: 148 @19444 has 18 MA's), (Start: 150 @19447 has 625 MA's), (253, 19600), (275, 19651), (284, 19684), (319, 19756), (320, 19759), (353, 19813), (355, 19819), (401, 19930), (403, 19936), (415, 19975), (419, 19984), (445, 20017), (483, 20092), (487, 20098), (491, 20101), (509, 20161), (563, 20263), (581, 20290), (608, 20350), (614, 20374), (631, 20413), (664, 20479), (668, 20494), (740, 20692), (751, 20719), (764, 20764), (769, 20779), (771, 20785), (801, 20878), (805, 20893), (877, 21082), (879, 21088), (880, 21097), (890, 21133), (917, 21229),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 152

Candidate Starts for Sunshine924_26:

(Start: 152 @20656 has 219 MA's), (Start: 173 @20677 has 4 MA's), (Start: 199 @20719 has 1 MA's), (223, 20764), (320, 20980), (347, 21025), (353, 21034), (367, 21073), (391, 21124), (393, 21127), (491, 21322), (514, 21391), (613, 21592), (614, 21595), (622, 21616), (667, 21712), (668, 21715), (670, 21721), (696, 21790), (699, 21808), (701, 21817), (714, 21847), (753, 21943), (764, 21976), (769, 21991), (815, 22132), (837, 22189), (879, 22300), (925, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 150

Candidate Starts for SuperAwesome_31:

(102, 19903), (Start: 130 @19945 has 8 MA's), (Start: 150 @19969 has 625 MA's), (273, 20167), (284, 20206), (319, 20278), (320, 20281), (332, 20299), (353, 20335), (355, 20341), (401, 20452), (403, 20458), (415, 20497), (445, 20539), (467, 20578), (487, 20620), (491, 20623), (509, 20683), (624, 20920), (631, 20935), (668, 21016), (714, 21148), (769, 21274), (788, 21325), (790, 21334), (801, 21373), (802, 21376), (805, 21388), (837, 21472), (877, 21577), (879, 21583), (916, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 150

Candidate Starts for SuperCallie99_31:

(102, 19902), (Start: 130 @19944 has 8 MA's), (Start: 150 @19968 has 625 MA's), (273, 20166), (284, 20205), (319, 20277), (320, 20280), (332, 20298), (353, 20334), (355, 20340), (401, 20451), (403, 20457), (415, 20496), (445, 20538), (467, 20577), (487, 20619), (491, 20622), (509, 20682), (624, 20919), (631, 20934), (668, 21015), (714, 21147), (769, 21273), (788, 21324), (790, 21333), (801, 21372), (802, 21375), (805, 21387), (837, 21471), (877, 21576), (879, 21582), (916, 21717),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 139

Candidate Starts for SuperGrey_17:

(Start: 139 @15480 has 218 MA's), (207, 15567), (Start: 233 @15612 has 2 MA's), (242, 15636), (282, 15741), (284, 15747), (289, 15765), (300, 15795), (353, 15900), (375, 15960), (384, 15981), (388,

15990), (398, 16014), (411, 16056), (425, 16089), (441, 16101), (467, 16116), (474, 16122), (493, 16140), (497, 16155), (499, 16161), (512, 16197), (513, 16200), (516, 16212), (520, 16218), (525, 16227), (543, 16266), (550, 16278), (554, 16284), (587, 16344), (592, 16356), (606, 16392), (609, 16404), (645, 16479), (648, 16488), (660, 16506), (662, 16512), (670, 16542), (751, 16647), (752, 16656), (753, 16659), (765, 16695), (792, 16773), (826, 16893), (858, 16956), (864, 16986), (867, 16995), (869, 17001), (878, 17016), (879, 17019), (883, 17043), (894, 17073), (899, 17085), (916, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 162

Candidate Starts for SuperSulley_42:

(Start: 162 @30625 has 92 MA's), (Start: 174 @30637 has 18 MA's), (237, 30739), (275, 30823), (363, 31006), (398, 31072), (403, 31087), (412, 31111), (461, 31198), (475, 31228), (477, 31231), (501, 31288), (531, 31360), (603, 31465), (648, 31552), (666, 31600), (706, 31726), (733, 31762), (797, 31873), (821, 31948), (894, 32125), (904, 32167), (923, 32224),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 150

Candidate Starts for Superchunk_27:

(102, 18769), (Start: 130 @18811 has 8 MA's), (Start: 150 @18835 has 625 MA's), (Start: 173 @18844 has 4 MA's), (253, 18988), (283, 19069), (284, 19072), (319, 19144), (320, 19147), (330, 19162), (353, 19201), (355, 19207), (401, 19318), (403, 19324), (411, 19351), (445, 19405), (487, 19486), (491, 19489), (562, 19645), (580, 19675), (613, 19759), (631, 19801), (660, 19852), (668, 19882), (708, 20008), (730, 20062), (747, 20089), (751, 20098), (753, 20110), (764, 20143), (769, 20158), (778, 20182), (801, 20257), (802, 20260), (805, 20272), (837, 20356), (877, 20461), (890, 20512), (894, 20521), (916, 20602),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 205

Candidate Starts for Superphikiman_34:

(Start: 138 @25072 has 76 MA's), (Start: 205 @25162 has 48 MA's), (207, 25165), (242, 25240), (255, 25267), (279, 25333), (292, 25369), (301, 25399), (308, 25414), (347, 25498), (360, 25534), (372, 25561), (390, 25600), (402, 25633), (405, 25642), (427, 25699), (479, 25741), (515, 25816), (520, 25828), (550, 25888), (572, 25942), (589, 25972), (597, 25990), (602, 25999), (610, 26032), (614, 26044), (616, 26050), (631, 26089), (662, 26146), (758, 26296), (763, 26314), (778, 26356), (787, 26380), (788, 26383), (792, 26398), (800, 26428), (809, 26458), (826, 26515), (885, 26665), (919, 26785), (923, 26791),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 150

Candidate Starts for Survivors_20:

(49, 16235), (Start: 150 @16559 has 625 MA's), (297, 16844), (298, 16847), (320, 16892), (330, 16907), (367, 16985), (387, 17030), (430, 17132), (447, 17153), (458, 17165), (462, 17177), (465, 17180), (490, 17237), (500, 17270), (505, 17285), (533, 17351), (582, 17393), (587, 17402), (606, 17447), (627, 17510), (667, 17591), (673, 17609), (676, 17618), (678, 17627), (699, 17684), (701, 17693), (769, 17825), (786, 17852), (798, 17873), (814, 17924), (815, 17927), (858, 18023), (864, 18050), (867, 18059), (868, 18062), (879, 18092), (882, 18110), (898, 18155), (923, 18245),

Gene: Suscepit_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Suscepit_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: SwagPiggett_16 Start: 14813, Stop: 16522, Start Num: 139

Candidate Starts for SwagPiggett_16:

(Start: 139 @14813 has 218 MA's), (207, 14900), (Start: 233 @14945 has 2 MA's), (242, 14969), (266, 15026), (282, 15074), (284, 15080), (289, 15098), (300, 15128), (353, 15233), (371, 15287), (375, 15293), (379, 15302), (388, 15323), (398, 15347), (410, 15383), (411, 15389), (425, 15422), (427, 15425), (441, 15434), (467, 15449), (474, 15455), (493, 15473), (497, 15488), (499, 15494), (505, 15512), (506, 15515), (512, 15530), (516, 15545), (520, 15551), (543, 15599), (550, 15611), (554, 15617), (587, 15677), (592, 15689), (606, 15725), (609, 15737), (645, 15812), (648, 15821), (660, 15839), (662, 15845), (670, 15875), (751, 15980), (753, 15992), (765, 16028), (792, 16106), (826, 16226), (843, 16259), (858, 16289), (860, 16301), (864, 16319), (866, 16325), (867, 16328), (869, 16334), (878, 16349), (879, 16352), (882, 16373), (883, 16376), (899, 16418), (904, 16448), (916, 16490), (917, 16496),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for Swann_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 150

Candidate Starts for SweatNTears_20:

(120, 15861), (Start: 140 @15888 has 9 MA's), (Start: 150 @15891 has 625 MA's), (274, 16101), (347, 16269), (351, 16275), (397, 16383), (409, 16419), (419, 16449), (430, 16464), (458, 16497), (462, 16509), (480, 16545), (500, 16602), (504, 16614), (587, 16734), (597, 16755), (606, 16779), (668, 16929), (673, 16944), (678, 16962), (699, 17019), (765, 17148), (769, 17160), (777, 17178), (786, 17187), (814, 17259), (815, 17262), (817, 17268), (821, 17280), (864, 17385), (867, 17394), (879, 17427), (913, 17553),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 150

Candidate Starts for SweetiePie_28:

(102, 20052), (Start: 130 @20094 has 8 MA's), (Start: 150 @20118 has 625 MA's), (226, 20217), (266, 20301), (283, 20352), (284, 20355), (319, 20427), (320, 20430), (353, 20484), (367, 20523), (387, 20568), (401, 20601), (445, 20688), (487, 20769), (491, 20772), (614, 21045), (668, 21165), (708, 21291), (743, 21345), (764, 21408), (769, 21423), (771, 21429), (790, 21483), (801, 21522), (805, 21537), (837, 21621), (879, 21732), (916, 21867),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 112

Candidate Starts for Sweets_18:

(Start: 112 @16635 has 26 MA's), (Start: 138 @16644 has 76 MA's), (Start: 144 @16650 has 125 MA's), (149, 16656), (237, 16788), (261, 16839), (274, 16869), (280, 16893), (320, 16995), (344, 17034), (347, 17040), (355, 17055), (371, 17100), (419, 17220), (450, 17277), (467, 17316), (492, 17364), (500, 17391), (504, 17403), (548, 17484), (589, 17529), (668, 17727), (677, 17757), (685, 17775), (696, 17802), (723, 17886), (742, 17904), (749, 17919), (764, 17967), (769, 17982), (802, 18045), (821, 18102), (837, 18141), (858, 18183), (880, 18234), (907, 18330), (929, 18390),

Gene: SwirlSquare_30 Start: 18974, Stop: 20788, Start Num: 130

Candidate Starts for SwirlSquare_30:

(102, 18932), (Start: 130 @18974 has 8 MA's), (Start: 150 @18998 has 625 MA's), (283, 19232), (284, 19235), (319, 19307), (320, 19310), (330, 19325), (403, 19487), (407, 19499), (445, 19568), (478, 19628), (487, 19649), (491, 19652), (562, 19808), (580, 19838), (613, 19922), (660, 20015), (668, 20045), (708, 20171), (753, 20273), (764, 20306), (769, 20321), (801, 20420), (802, 20423), (805, 20435), (837, 20519), (877, 20624), (894, 20684), (916, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 150

Candidate Starts for Swirley_24:

(Start: 150 @19634 has 625 MA's), (230, 19739), (245, 19772), (284, 19871), (320, 19946), (330, 19961), (351, 19997), (381, 20069), (387, 20084), (403, 20123), (500, 20318), (509, 20348), (513, 20354), (587, 20489), (609, 20546), (610, 20549), (613, 20558), (631, 20600), (640, 20618), (667, 20678), (668, 20681), (699, 20774), (701, 20783), (708, 20807), (752, 20915), (764, 20951), (837, 21161), (876, 21263), (879, 21272), (910, 21386), (916, 21407), (919, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 152

Candidate Starts for SwissCheese_28:

(Start: 152 @21594 has 219 MA's), (Start: 173 @21615 has 4 MA's), (Start: 199 @21657 has 1 MA's), (223, 21702), (320, 21918), (347, 21963), (353, 21972), (367, 22011), (391, 22062), (393, 22065), (491, 22260), (514, 22329), (613, 22530), (614, 22533), (622, 22554), (667, 22650), (668, 22653), (670, 22659), (696, 22728), (699, 22746), (701, 22755), (714, 22785), (753, 22881), (764, 22914), (769, 22929), (780, 22959), (815, 23070), (837, 23127), (879, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 152

Candidate Starts for Switzer_28:

(Start: 152 @21233 has 219 MA's), (Start: 173 @21254 has 4 MA's), (Start: 199 @21296 has 1 MA's), (223, 21341), (320, 21557), (347, 21602), (353, 21611), (367, 21650), (391, 21701), (393, 21704), (491, 21899), (514, 21968), (613, 22169), (614, 22172), (622, 22193), (667, 22289), (668, 22292), (670, 22298), (696, 22367), (699, 22385), (701, 22394), (714, 22424), (753, 22520), (764, 22553), (769, 22568), (815, 22709), (837, 22766), (879, 22877), (925, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 150

Candidate Starts for Switzerland_30:

(102, 19142), (Start: 130 @19184 has 8 MA's), (Start: 150 @19208 has 625 MA's), (245, 19346), (272, 19403), (284, 19445), (300, 19481), (320, 19520), (357, 19589), (367, 19613), (393, 19667), (467, 19817), (491, 19862), (500, 19892), (513, 19928), (536, 19979), (561, 20015), (587, 20063), (610, 20123), (667, 20252), (696, 20330), (769, 20531), (771, 20537), (802, 20633), (866, 20798), (897, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for Swole_29:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (367, 22002), (391, 22053), (393, 22056), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 150

Candidate Starts for SydNat_24:

(Start: 150 @19916 has 625 MA's), (245, 20054), (284, 20153), (320, 20228), (351, 20279), (381, 20351), (387, 20366), (401, 20399), (403, 20405), (455, 20498), (500, 20600), (509, 20630), (513, 20636), (562, 20726), (580, 20756), (613, 20840), (614, 20843), (631, 20882), (640, 20900), (667, 20960), (668, 20963), (699, 21056), (752, 21197), (766, 21239), (879, 21557), (916, 21692), (919, 21701),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 118

Candidate Starts for Syra333_22:

(Start: 112 @16312 has 26 MA's), (Start: 118 @16321 has 149 MA's), (Start: 144 @16351 has 125 MA's), (170, 16378), (230, 16477), (237, 16492), (245, 16510), (261, 16543), (274, 16573), (287,

16618), (325, 16708), (347, 16744), (381, 16822), (385, 16831), (424, 16936), (426, 16939), (465, 17005), (467, 17011), (492, 17059), (496, 17074), (598, 17242), (615, 17302), (643, 17359), (665, 17404), (668, 17416), (685, 17464), (719, 17563), (753, 17623), (765, 17659), (815, 17773), (834, 17824), (837, 17830), (880, 17923), (917, 18058), (919, 18061), (929, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 118

Candidate Starts for TBond007_22:

(Start: 112 @17348 has 26 MA's), (Start: 118 @17357 has 149 MA's), (206, 17459), (237, 17516), (261, 17567), (274, 17597), (280, 17621), (381, 17852), (385, 17861), (391, 17873), (424, 17966), (426, 17969), (467, 18041), (470, 18050), (487, 18083), (492, 18089), (504, 18128), (516, 18164), (589, 18254), (610, 18317), (651, 18404), (685, 18497), (707, 18572), (753, 18653), (769, 18701), (785, 18725), (799, 18752), (817, 18809), (834, 18854), (880, 18956), (888, 18983), (904, 19043), (907, 19052), (913, 19073), (917, 19091), (921, 19097), (929, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 205

Candidate Starts for TBrady12_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 127

Candidate Starts for TChen_17:

(Start: 127 @15346 has 1 MA's), (Start: 130 @15352 has 8 MA's), (136, 15358), (Start: 147 @15370 has 1 MA's), (151, 15376), (Start: 233 @15496 has 2 MA's), (242, 15520), (252, 15544), (282, 15625), (284, 15631), (289, 15649), (300, 15679), (379, 15853), (388, 15874), (390, 15877), (403, 15913), (415, 15952), (474, 16006), (493, 16024), (494, 16027), (497, 16039), (499, 16045), (512, 16081), (520, 16102), (529, 16120), (543, 16150), (550, 16162), (554, 16168), (587, 16228), (606, 16276), (622, 16321), (645, 16363), (648, 16372), (662, 16396), (670, 16426), (680, 16471), (751, 16531), (752, 16540), (753, 16543), (765, 16579), (793, 16660), (832, 16789), (843, 16810), (858, 16840), (864, 16870), (867, 16879), (869, 16885), (878, 16900), (879, 16903), (923, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 118

Candidate Starts for TClif_22:

(Start: 96 @16315 has 3 MA's), (Start: 112 @16345 has 26 MA's), (Start: 118 @16354 has 149 MA's), (Start: 144 @16384 has 125 MA's), (237, 16525), (274, 16606), (283, 16639), (287, 16651), (351, 16783), (381, 16855), (385, 16864), (393, 16879), (424, 16969), (426, 16972), (465, 17038), (467, 17044), (487, 17086), (492, 17092), (500, 17119), (589, 17257), (628, 17365), (665, 17437), (685, 17497), (719, 17596), (724, 17611), (765, 17692), (786, 17731), (815, 17806), (834, 17857), (929, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 139

Candidate Starts for TDanisky_16:

(Start: 139 @14836 has 218 MA's), (207, 14923), (Start: 233 @14968 has 2 MA's), (242, 14992), (266, 15049), (282, 15097), (284, 15103), (289, 15121), (300, 15151), (353, 15256), (371, 15310), (375, 15316), (379, 15325), (388, 15346), (398, 15370), (410, 15406), (411, 15412), (425, 15445), (427, 15448), (441, 15457), (467, 15472), (474, 15478), (493, 15496), (497, 15511), (499, 15517), (505, 15535), (506, 15538), (512, 15553), (516, 15568), (520, 15574), (543, 15622), (550, 15634), (554, 15640), (587, 15700), (592, 15712), (606, 15748), (609, 15760), (645, 15835), (648, 15844), (660, 15862), (662, 15868), (670, 15898), (751, 16003), (753, 16015), (765, 16051), (792, 16129), (826, 16249), (843, 16282), (858, 16312), (860, 16324), (864, 16342), (866, 16348), (867, 16351), (869,

16357), (878, 16372), (879, 16375), (882, 16396), (883, 16399), (899, 16441), (904, 16471), (916, 16513), (917, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 115

Candidate Starts for TM4_19:

(Start: 96 @15058 has 3 MA's), (Start: 112 @15088 has 26 MA's), (Start: 115 @15094 has 20 MA's), (Start: 138 @15109 has 76 MA's), (Start: 181 @15151 has 32 MA's), (208, 15199), (230, 15238), (237, 15253), (261, 15304), (263, 15307), (274, 15334), (283, 15367), (287, 15379), (325, 15469), (330, 15475), (381, 15583), (419, 15685), (424, 15697), (426, 15700), (446, 15736), (467, 15772), (476, 15790), (487, 15814), (492, 15820), (504, 15859), (513, 15883), (516, 15895), (589, 15985), (593, 15994), (610, 16048), (622, 16078), (667, 16189), (685, 16240), (716, 16330), (719, 16339), (722, 16348), (723, 16351), (753, 16384), (766, 16423), (777, 16450), (786, 16459), (815, 16534), (834, 16585), (837, 16591), (877, 16672), (880, 16687), (898, 16741), (917, 16822), (929, 16843),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 150

Candidate Starts for TNguyen7_27:

(Start: 150 @19874 has 625 MA's), (Start: 199 @19931 has 1 MA's), (237, 20000), (279, 20102), (283, 20114), (284, 20117), (320, 20192), (330, 20207), (353, 20246), (407, 20381), (445, 20450), (500, 20564), (562, 20690), (613, 20804), (622, 20828), (631, 20846), (668, 20927), (696, 21002), (699, 21020), (701, 21029), (708, 21053), (714, 21059), (719, 21074), (734, 21107), (752, 21152), (753, 21155), (761, 21176), (764, 21188), (787, 21251), (837, 21401), (877, 21506), (879, 21512), (916, 21647),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 126

Candidate Starts for TPA4_19:

(103, 17699), (126, 17726), (196, 17798), (226, 17852), (230, 17858), (245, 17891), (355, 18143), (383, 18212), (394, 18230), (410, 18278), (413, 18290), (416, 18299), (430, 18329), (455, 18359), (467, 18386), (476, 18404), (486, 18425), (496, 18449), (552, 18560), (587, 18596), (601, 18626), (659, 18761), (660, 18764), (668, 18794), (685, 18842), (695, 18866), (757, 19007), (801, 19106), (809, 19133), (810, 19136), (829, 19187), (834, 19199), (849, 19226), (865, 19262), (882, 19307), (894, 19343), (908, 19394), (928, 19451),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for TWAMP_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: TZGordon_24 Start: 16619, Stop: 17947, Start Num: 267

Candidate Starts for TZGordon_24:

(Start: 267 @16619 has 11 MA's), (276, 16634), (331, 16748), (350, 16778), (367, 16823), (387, 16868), (409, 16925), (414, 16943), (Start: 417 @16952 has 1 MA's), (429, 16976), (431, 16982), (432, 16985), (465, 17036), (472, 17048), (539, 17090), (583, 17141), (588, 17150), (600, 17159), (614, 17204), (623, 17222), (667, 17315), (681, 17360), (703, 17429), (717, 17450), (764, 17525), (766, 17531), (785, 17564), (821, 17651), (837, 17687), (847, 17702), (851, 17711), (868, 17753), (898, 17846), (901, 17864), (916, 17921), (920, 17930),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 118

Candidate Starts for Tachez_23:

(Start: 118 @17117 has 149 MA's), (Start: 144 @17147 has 125 MA's), (245, 17306), (261, 17339), (274, 17369), (283, 17402), (287, 17414), (325, 17504), (351, 17546), (381, 17618), (385, 17627),

(401, 17666), (415, 17711), (424, 17732), (426, 17735), (459, 17789), (467, 17807), (487, 17849), (492, 17855), (500, 17882), (589, 18020), (598, 18038), (609, 18080), (615, 18098), (628, 18128), (643, 18155), (685, 18260), (753, 18419), (765, 18455), (777, 18485), (786, 18494), (815, 18569), (834, 18620), (880, 18719), (907, 18815), (917, 18854), (919, 18857), (929, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 138

Candidate Starts for Taheera_18:

(58, 16453), (Start: 112 @16657 has 26 MA's), (Start: 138 @16666 has 76 MA's), (Start: 144 @16672 has 125 MA's), (149, 16678), (208, 16756), (237, 16810), (261, 16861), (274, 16891), (280, 16915), (320, 17017), (344, 17056), (347, 17062), (355, 17077), (419, 17242), (450, 17299), (467, 17338), (487, 17380), (492, 17386), (504, 17425), (569, 17524), (589, 17551), (605, 17596), (677, 17779), (685, 17797), (696, 17824), (723, 17908), (742, 17926), (749, 17941), (769, 18004), (802, 18067), (809, 18091), (821, 18124), (837, 18163), (858, 18205), (907, 18352), (929, 18412),

Gene: Tailonex_24 Start: 20532, Stop: 22169, Start Num: 181

Candidate Starts for Tailonex_24:

(Start: 168 @20517 has 10 MA's), (Start: 181 @20532 has 32 MA's), (Start: 199 @20562 has 1 MA's), (283, 20745), (284, 20748), (364, 20913), (366, 20916), (393, 20970), (401, 20994), (411, 21027), (458, 21093), (509, 21219), (580, 21294), (629, 21420), (660, 21483), (668, 21513), (669, 21516), (699, 21606), (761, 21720), (764, 21732), (766, 21738), (818, 21858), (819, 21861), (837, 21906), (871, 21993), (877, 22008), (879, 22014), (880, 22023),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 118

Candidate Starts for TaiwanKao_24:

(Start: 118 @17128 has 149 MA's), (Start: 144 @17158 has 125 MA's), (245, 17317), (261, 17350), (274, 17380), (283, 17413), (287, 17425), (325, 17515), (351, 17557), (377, 17620), (381, 17629), (385, 17638), (401, 17677), (415, 17722), (424, 17743), (426, 17746), (467, 17818), (487, 17860), (492, 17866), (500, 17893), (589, 18031), (598, 18049), (609, 18091), (615, 18109), (628, 18139), (643, 18166), (685, 18271), (753, 18430), (765, 18466), (777, 18496), (786, 18505), (815, 18580), (834, 18631), (907, 18826), (917, 18865), (919, 18868), (929, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 139

Candidate Starts for Taj_16:

(Start: 139 @14839 has 218 MA's), (207, 14926), (Start: 233 @14971 has 2 MA's), (242, 14995), (282, 15100), (284, 15106), (289, 15124), (300, 15154), (353, 15259), (375, 15319), (382, 15337), (384, 15340), (388, 15349), (398, 15373), (493, 15499), (497, 15514), (499, 15520), (512, 15556), (513, 15559), (516, 15571), (520, 15577), (543, 15625), (550, 15637), (554, 15643), (587, 15703), (592, 15715), (606, 15751), (609, 15763), (645, 15838), (648, 15847), (660, 15865), (662, 15871), (670, 15901), (751, 16006), (752, 16015), (753, 16018), (765, 16054), (792, 16132), (820, 16231), (826, 16252), (843, 16285), (858, 16315), (864, 16345), (867, 16354), (869, 16360), (878, 16375), (879, 16378), (883, 16402), (894, 16432), (899, 16444), (904, 16474), (916, 16516),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 181

Candidate Starts for Takoda_23:

(Start: 168 @16294 has 10 MA's), (Start: 181 @16309 has 32 MA's), (220, 16378), (241, 16414), (298, 16555), (320, 16600), (383, 16729), (401, 16771), (407, 16789), (410, 16798), (Start: 417 @16822 has 1 MA's), (430, 16840), (458, 16870), (465, 16885), (466, 16888), (483, 16927), (491, 16936), (608, 17137), (667, 17275), (696, 17353), (704, 17392), (708, 17404), (743, 17434), (769, 17512), (831, 17659), (871, 17758), (877, 17773), (923, 17926),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 105

Candidate Starts for Tangent_35:

(97, 30311), (Start: 105 @30329 has 84 MA's), (Start: 129 @30365 has 1 MA's), (226, 30503), (272, 30599), (275, 30608), (296, 30677), (320, 30728), (347, 30773), (355, 30788), (391, 30869), (407, 30914), (410, 30923), (430, 30962), (466, 31013), (480, 31043), (487, 31058), (495, 31082), (504, 31112), (585, 31217), (631, 31334), (641, 31352), (647, 31367), (664, 31397), (667, 31409), (668, 31412), (676, 31439), (815, 31763), (816, 31766), (834, 31814), (852, 31841), (860, 31868), (877, 31922), (882, 31946), (883, 31949), (908, 32039), (925, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 105

Candidate Starts for Tangerine_34:

(Start: 105 @29524 has 84 MA's), (Start: 129 @29560 has 1 MA's), (220, 29689), (226, 29698), (272, 29794), (275, 29803), (296, 29872), (320, 29923), (326, 29932), (347, 29968), (355, 29983), (361, 30001), (391, 30064), (407, 30109), (410, 30118), (476, 30229), (480, 30238), (487, 30253), (495, 30277), (504, 30307), (631, 30529), (641, 30547), (647, 30562), (667, 30604), (676, 30634), (723, 30754), (766, 30847), (815, 30958), (816, 30961), (834, 31009), (852, 31036), (860, 31063), (877, 31117),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Tapioca_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 150

Candidate Starts for Taquarus_27:

(Start: 130 @19806 has 8 MA's), (Start: 150 @19830 has 625 MA's), (Start: 199 @19887 has 1 MA's), (230, 19941), (237, 19956), (245, 19974), (279, 20058), (283, 20070), (284, 20073), (320, 20148), (330, 20163), (353, 20202), (401, 20319), (445, 20406), (487, 20487), (505, 20535), (514, 20559), (562, 20646), (587, 20691), (614, 20763), (622, 20784), (631, 20802), (668, 20883), (699, 20976), (701, 20985), (708, 21009), (714, 21015), (722, 21039), (753, 21093), (761, 21114), (778, 21165), (787, 21189), (802, 21243), (837, 21339), (877, 21444), (880, 21459), (911, 21567), (916, 21585),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 115

Candidate Starts for Taquito_22:

(Start: 96 @18203 has 3 MA's), (Start: 112 @18233 has 26 MA's), (Start: 115 @18239 has 20 MA's), (Start: 118 @18242 has 149 MA's), (Start: 181 @18299 has 32 MA's), (208, 18347), (230, 18386), (237, 18401), (245, 18419), (261, 18452), (274, 18482), (287, 18527), (294, 18545), (325, 18617), (330, 18623), (347, 18653), (375, 18719), (381, 18731), (433, 18866), (465, 18914), (467, 18920), (476, 18938), (492, 18968), (504, 19007), (589, 19133), (609, 19193), (610, 19196), (616, 19214), (623, 19229), (685, 19397), (701, 19451), (719, 19496), (744, 19541), (753, 19565), (764, 19598), (810, 19703), (815, 19715), (834, 19766), (837, 19772), (882, 19874), (917, 20000), (929, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 172

Candidate Starts for Tardus_36:

(Start: 172 @30115 has 18 MA's), (189, 30136), (197, 30148), (226, 30199), (259, 30262), (283, 30334), (325, 30421), (355, 30472), (365, 30502), (401, 30583), (466, 30703), (468, 30709), (485, 30739), (489, 30748), (500, 30781), (501, 30784), (505, 30796), (525, 30844), (581, 30892), (585, 30901), (627, 31000), (650, 31039), (660, 31051), (696, 31168), (704, 31207), (721, 31246), (764, 31303), (785, 31342), (792, 31351), (808, 31408), (812, 31420), (834, 31477), (837, 31483), (850, 31504), (864, 31537), (880, 31582), (916, 31711), (919, 31720),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 152

Candidate Starts for Target_30:

(Start: 152 @22616 has 219 MA's), (Start: 173 @22637 has 4 MA's), (Start: 199 @22679 has 1 MA's), (223, 22724), (320, 22940), (347, 22985), (353, 22994), (367, 23033), (391, 23084), (393, 23087), (491, 23282), (514, 23351), (613, 23552), (614, 23555), (622, 23576), (667, 23672), (668, 23675), (670, 23681), (696, 23750), (699, 23768), (701, 23777), (714, 23807), (753, 23903), (764, 23936), (769, 23951), (815, 24092), (837, 24149), (879, 24260),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 144

Candidate Starts for Tarkin_26:

(Start: 144 @20735 has 125 MA's), (Start: 205 @20819 has 48 MA's), (Start: 244 @20897 has 1 MA's), (279, 20984), (284, 20999), (300, 21047), (317, 21086), (359, 21173), (372, 21206), (388, 21242), (400, 21272), (402, 21278), (437, 21347), (495, 21377), (498, 21389), (499, 21392), (520, 21449), (589, 21581), (591, 21587), (614, 21653), (616, 21659), (625, 21683), (648, 21731), (662, 21755), (664, 21764), (688, 21839), (752, 21890), (758, 21905), (809, 22067), (817, 22094), (826, 22124), (868, 22229), (897, 22307), (904, 22343), (907, 22352), (916, 22385), (923, 22400),

Gene: TaronosaurusRx_19 Start: 16979, Stop: 18709, Start Num: 146

Candidate Starts for TaronosaurusRx_19:

(51, 16667), (76, 16862), (120, 16946), (Start: 129 @16958 has 1 MA's), (Start: 146 @16979 has 7 MA's), (279, 17216), (289, 17249), (391, 17462), (415, 17534), (443, 17576), (467, 17615), (480, 17642), (490, 17666), (503, 17708), (513, 17735), (514, 17738), (565, 17792), (568, 17798), (609, 17885), (724, 18176), (728, 18179), (758, 18245), (765, 18269), (771, 18287), (815, 18383), (821, 18401), (868, 18518), (880, 18557), (881, 18560), (884, 18572), (905, 18647), (913, 18674),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 150

Candidate Starts for TarsusIV_28:

(102, 20142), (Start: 130 @20184 has 8 MA's), (Start: 150 @20208 has 625 MA's), (Start: 244 @20343 has 1 MA's), (253, 20361), (283, 20442), (284, 20445), (319, 20517), (320, 20520), (353, 20574), (401, 20691), (445, 20778), (487, 20859), (491, 20862), (580, 21048), (614, 21135), (631, 21174), (668, 21255), (708, 21381), (714, 21387), (769, 21513), (771, 21519), (801, 21612), (805, 21627), (837, 21711), (879, 21822), (894, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 150

Candidate Starts for Tarynearal_23:

(Start: 150 @19656 has 625 MA's), (230, 19761), (245, 19794), (284, 19893), (320, 19968), (330, 19983), (351, 20019), (381, 20091), (387, 20106), (403, 20145), (411, 20172), (419, 20193), (453, 20232), (509, 20370), (513, 20376), (587, 20511), (609, 20568), (610, 20571), (613, 20580), (631, 20622), (640, 20640), (667, 20700), (668, 20703), (699, 20796), (701, 20805), (708, 20829), (752, 20937), (764, 20973), (837, 21183), (876, 21285), (879, 21294), (910, 21408), (916, 21429), (919, 21438),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 163

Candidate Starts for Tarzan_18:

(Start: 163 @14963 has 16 MA's), (226, 15062), (239, 15086), (283, 15197), (284, 15200), (290, 15218), (296, 15227), (333, 15293), (341, 15308), (346, 15317), (349, 15323), (381, 15395), (389, 15413), (409, 15467), (411, 15476), (445, 15530), (467, 15566), (468, 15569), (513, 15677), (578, 15749), (581, 15755), (585, 15764), (594, 15782), (631, 15872), (680, 15986), (687, 16004), (695, 16016), (716, 16082), (757, 16130), (761, 16142), (764, 16154), (771, 16175), (777, 16187), (792, 16202), (802, 16232), (814, 16268), (890, 16457), (908, 16520), (914, 16541), (923, 16565),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 152

Candidate Starts for Tasp14_28:

(Start: 152 @21346 has 219 MA's), (Start: 173 @21367 has 4 MA's), (Start: 199 @21409 has 1 MA's), (223, 21454), (320, 21670), (347, 21715), (353, 21724), (367, 21763), (391, 21814), (393, 21817), (430, 21910), (491, 22012), (514, 22081), (609, 22270), (613, 22282), (614, 22285), (622, 22306), (667, 22402), (668, 22405), (670, 22411), (696, 22480), (699, 22498), (701, 22507), (714, 22537), (753, 22633), (764, 22666), (769, 22681), (815, 22822), (837, 22879), (879, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 150

Candidate Starts for Taurus_29:

(Start: 150 @20378 has 625 MA's), (Start: 199 @20435 has 1 MA's), (208, 20450), (226, 20483), (237, 20504), (Start: 244 @20519 has 1 MA's), (279, 20606), (283, 20618), (284, 20621), (320, 20696), (330, 20711), (351, 20747), (445, 20954), (500, 21068), (514, 21107), (562, 21194), (613, 21308), (622, 21332), (631, 21350), (668, 21431), (696, 21506), (699, 21524), (708, 21557), (714, 21563), (727, 21602), (752, 21656), (753, 21659), (761, 21680), (780, 21737), (837, 21905), (877, 22010), (879, 22016), (916, 22151),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Tayonia_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 139

Candidate Starts for Tchotchke_17:

(Start: 139 @14738 has 218 MA's), (207, 14825), (Start: 233 @14870 has 2 MA's), (242, 14894), (266, 14951), (282, 14999), (284, 15005), (289, 15023), (300, 15053), (353, 15158), (371, 15212), (375, 15218), (379, 15227), (388, 15248), (398, 15272), (410, 15308), (411, 15314), (425, 15347), (427, 15350), (441, 15359), (467, 15374), (474, 15380), (493, 15398), (497, 15413), (499, 15419), (505, 15437), (506, 15440), (512, 15455), (516, 15470), (520, 15476), (543, 15524), (550, 15536), (554, 15542), (587, 15602), (592, 15614), (606, 15650), (609, 15662), (645, 15737), (648, 15746), (660, 15764), (662, 15770), (670, 15800), (751, 15905), (753, 15917), (765, 15953), (792, 16031), (826, 16151), (843, 16184), (858, 16214), (860, 16226), (864, 16244), (866, 16250), (867, 16253), (869, 16259), (878, 16274), (879, 16277), (882, 16298), (883, 16301), (899, 16343), (904, 16373), (916, 16415), (917, 16421),

Gene: TeamEdward_24 Start: 20001, Stop: 21596, Start Num: 205

Candidate Starts for TeamEdward_24:

(Start: 144 @19917 has 125 MA's), (Start: 205 @20001 has 48 MA's), (Start: 244 @20079 has 1 MA's), (279, 20166), (284, 20181), (300, 20229), (317, 20268), (359, 20355), (372, 20388), (388, 20424), (400, 20454), (402, 20460), (437, 20529), (495, 20559), (498, 20571), (499, 20574), (520, 20631), (589, 20763), (591, 20769), (614, 20835), (616, 20841), (625, 20865), (648, 20913), (662, 20937), (664, 20946), (688, 21021), (752, 21072), (758, 21087), (809, 21249), (817, 21276), (826, 21306), (868, 21411), (897, 21489), (904, 21525), (907, 21534), (916, 21567), (923, 21582),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 144

Candidate Starts for TeardropMSU_23:

(Start: 144 @19653 has 125 MA's), (Start: 205 @19737 has 48 MA's), (Start: 244 @19815 has 1 MA's), (279, 19902), (284, 19917), (300, 19965), (317, 20004), (359, 20091), (372, 20124), (388, 20160), (400, 20190), (402, 20196), (437, 20265), (495, 20295), (498, 20307), (499, 20310), (520, 20367), (589, 20499), (591, 20505), (614, 20571), (616, 20577), (625, 20601), (648, 20649), (662, 20673), (664, 20682), (688, 20757), (752, 20808), (758, 20823), (809, 20985), (817, 21012), (826,

21042), (868, 21147), (897, 21225), (904, 21261), (907, 21270), (916, 21303), (923, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 144

Candidate Starts for Teaspoon_25:

(Start: 144 @19699 has 125 MA's), (Start: 205 @19783 has 48 MA's), (Start: 244 @19861 has 1 MA's), (279, 19948), (284, 19963), (300, 20011), (317, 20050), (359, 20137), (372, 20170), (388, 20206), (400, 20236), (402, 20242), (437, 20311), (495, 20341), (498, 20353), (499, 20356), (520, 20413), (589, 20545), (591, 20551), (614, 20617), (616, 20623), (625, 20647), (648, 20695), (662, 20719), (664, 20728), (688, 20803), (752, 20854), (758, 20869), (809, 21031), (817, 21058), (826, 21088), (868, 21193), (897, 21271), (904, 21307), (907, 21316), (916, 21349), (923, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 134

Candidate Starts for Techage_19:

(Start: 116 @16352 has 3 MA's), (Start: 134 @16376 has 48 MA's), (184, 16436), (195, 16457), (197, 16460), (259, 16580), (274, 16619), (283, 16652), (292, 16676), (342, 16796), (359, 16835), (360, 16841), (396, 16925), (398, 16931), (402, 16943), (410, 16967), (420, 16994), (437, 17012), (480, 17051), (493, 17057), (500, 17081), (520, 17135), (526, 17147), (531, 17156), (560, 17216), (597, 17294), (609, 17333), (621, 17366), (648, 17432), (659, 17447), (662, 17456), (668, 17480), (676, 17510), (680, 17522), (763, 17624), (767, 17636), (768, 17639), (770, 17645), (774, 17654), (807, 17762), (836, 17846), (874, 17945), (907, 18053), (923, 18101),

Gene: Teejan_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Teejan_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 121

Candidate Starts for TelAviv_53:

(Start: 115 @33433 has 20 MA's), (Start: 121 @33442 has 44 MA's), (191, 33532), (248, 33649), (266, 33685), (275, 33706), (282, 33733), (284, 33739), (302, 33793), (327, 33844), (388, 33982), (392, 33988), (409, 34039), (410, 34042), (415, 34060), (493, 34111), (499, 34132), (500, 34135), (516, 34183), (520, 34189), (543, 34237), (544, 34243), (550, 34249), (573, 34309), (587, 34333), (589, 34336), (606, 34381), (610, 34396), (613, 34405), (616, 34414), (634, 34459), (648, 34477), (664, 34510), (753, 34648), (761, 34669), (782, 34735), (793, 34765), (807, 34819), (820, 34861), (826, 34882), (836, 34903), (843, 34915), (855, 34936), (869, 34990), (897, 35068), (904, 35104), (910, 35125), (917, 35152),

Gene: Temprado_31 Start: 19977, Stop: 21749, Start Num: 150

Candidate Starts for Temprado_31:

(102, 19911), (Start: 130 @19953 has 8 MA's), (Start: 150 @19977 has 625 MA's), (284, 20214), (319, 20286), (320, 20289), (330, 20304), (353, 20343), (355, 20349), (401, 20460), (403, 20466), (415, 20505), (445, 20547), (467, 20586), (487, 20628), (491, 20631), (562, 20787), (624, 20928), (631, 20943), (714, 21156), (761, 21255), (769, 21282), (788, 21333), (790, 21342), (801, 21381), (802, 21384), (877, 21585), (879, 21591), (916, 21726),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 152

Candidate Starts for Teodoridan_25:

(Start: 152 @20467 has 219 MA's), (Start: 173 @20488 has 4 MA's), (Start: 199 @20530 has 1 MA's), (223, 20575), (320, 20791), (347, 20836), (353, 20845), (367, 20884), (391, 20935), (393, 20938),

(491, 21133), (514, 21202), (613, 21403), (614, 21406), (622, 21427), (667, 21523), (668, 21526), (670, 21532), (696, 21601), (699, 21619), (701, 21628), (714, 21658), (753, 21754), (764, 21787), (769, 21802), (815, 21943), (837, 22000), (879, 22111),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 144

Candidate Starts for Terminus_24:

(Start: 144 @19833 has 125 MA's), (Start: 205 @19917 has 48 MA's), (Start: 244 @19995 has 1 MA's), (279, 20082), (284, 20097), (300, 20145), (317, 20184), (359, 20271), (372, 20304), (388, 20340), (400, 20370), (402, 20376), (437, 20445), (495, 20475), (498, 20487), (499, 20490), (520, 20547), (589, 20679), (591, 20685), (614, 20751), (616, 20757), (625, 20781), (648, 20829), (662, 20853), (664, 20862), (688, 20937), (752, 20988), (758, 21003), (809, 21165), (817, 21192), (826, 21222), (868, 21327), (897, 21405), (904, 21441), (907, 21450), (916, 21483), (923, 21498),

Gene: Terrific_32 Start: 20644, Stop: 22440, Start Num: 130

Candidate Starts for Terrific_32:

(Start: 130 @20644 has 8 MA's), (Start: 150 @20668 has 625 MA's), (Start: 244 @20803 has 1 MA's), (283, 20902), (284, 20905), (319, 20977), (320, 20980), (353, 21034), (355, 21040), (381, 21103), (401, 21151), (411, 21184), (445, 21238), (487, 21319), (491, 21322), (500, 21352), (580, 21508), (614, 21595), (668, 21715), (707, 21838), (708, 21841), (714, 21847), (743, 21895), (764, 21958), (769, 21973), (771, 21979), (790, 22033), (801, 22072), (805, 22087), (817, 22120), (834, 22165), (877, 22276), (879, 22282), (894, 22336),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 138

Candidate Starts for Terror_18:

(58, 16453), (Start: 112 @16657 has 26 MA's), (Start: 138 @16666 has 76 MA's), (Start: 144 @16672 has 125 MA's), (149, 16678), (208, 16756), (237, 16810), (261, 16861), (274, 16891), (280, 16915), (320, 17017), (344, 17056), (347, 17062), (355, 17077), (419, 17242), (450, 17299), (467, 17338), (487, 17380), (492, 17386), (504, 17425), (569, 17524), (589, 17551), (605, 17596), (677, 17779), (685, 17797), (696, 17824), (723, 17908), (742, 17926), (749, 17941), (769, 18004), (802, 18067), (809, 18091), (821, 18124), (837, 18163), (858, 18205), (907, 18352), (929, 18412),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 150

Candidate Starts for Texage_27:

(Start: 150 @20456 has 625 MA's), (Start: 199 @20516 has 1 MA's), (237, 20585), (279, 20687), (283, 20699), (284, 20702), (320, 20777), (330, 20792), (353, 20831), (407, 20966), (445, 21035), (500, 21149), (562, 21275), (613, 21389), (622, 21413), (627, 21425), (631, 21431), (668, 21512), (696, 21587), (699, 21605), (701, 21614), (708, 21638), (714, 21644), (719, 21659), (734, 21692), (752, 21737), (753, 21740), (761, 21761), (802, 21890), (837, 21986), (877, 22091), (879, 22097), (916, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 150

Candidate Starts for Thanksgivukkah_27:

(Start: 130 @19807 has 8 MA's), (Start: 150 @19831 has 625 MA's), (Start: 199 @19888 has 1 MA's), (230, 19942), (237, 19957), (245, 19975), (279, 20059), (283, 20071), (284, 20074), (320, 20149), (330, 20164), (353, 20203), (401, 20320), (445, 20407), (487, 20488), (505, 20536), (514, 20560), (562, 20647), (587, 20692), (614, 20764), (622, 20785), (631, 20803), (668, 20884), (699, 20977), (701, 20986), (708, 21010), (714, 21016), (722, 21040), (753, 21094), (761, 21115), (778, 21166), (787, 21190), (837, 21340), (877, 21445), (880, 21460), (911, 21568), (916, 21586),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 162

Candidate Starts for ThankyouJordi_18:

(54, 17509), (61, 17584), (63, 17605), (87, 17689), (Start: 162 @17806 has 92 MA's), (312, 18064), (320, 18082), (323, 18085), (355, 18139), (411, 18283), (419, 18304), (446, 18355), (467, 18391),

(468, 18394), (526, 18427), (568, 18484), (646, 18661), (659, 18685), (667, 18721), (700, 18823), (722, 18880), (770, 18970), (868, 19210), (891, 19288),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 150

Candidate Starts for Theia_22:

(Start: 139 @19662 has 218 MA's), (Start: 150 @19674 has 625 MA's), (230, 19779), (245, 19812), (284, 19911), (320, 19986), (330, 20001), (351, 20037), (381, 20109), (387, 20124), (403, 20163), (500, 20358), (509, 20388), (513, 20394), (587, 20529), (609, 20586), (610, 20589), (613, 20598), (631, 20640), (640, 20658), (667, 20718), (668, 20721), (699, 20814), (701, 20823), (708, 20847), (752, 20955), (764, 20991), (837, 21201), (876, 21303), (879, 21312), (910, 21426), (916, 21447), (919, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 152

Candidate Starts for TheloniousMonk_29:

(Start: 152 @22760 has 219 MA's), (Start: 173 @22781 has 4 MA's), (Start: 199 @22823 has 1 MA's), (223, 22868), (320, 23084), (347, 23129), (353, 23138), (367, 23177), (391, 23228), (393, 23231), (491, 23426), (514, 23495), (613, 23696), (614, 23699), (622, 23720), (667, 23816), (668, 23819), (670, 23825), (696, 23894), (699, 23912), (701, 23921), (714, 23951), (753, 24047), (764, 24080), (769, 24095), (815, 24236), (837, 24293), (879, 24404),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Thespis_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 138

Candidate Starts for Thibault_33:

(Start: 138 @27746 has 76 MA's), (Start: 205 @27836 has 48 MA's), (230, 27884), (242, 27914), (255, 27941), (292, 28043), (301, 28073), (347, 28172), (360, 28208), (372, 28235), (390, 28274), (402, 28307), (405, 28316), (499, 28445), (500, 28448), (505, 28463), (520, 28502), (543, 28550), (550, 28562), (554, 28568), (577, 28625), (589, 28646), (597, 28664), (612, 28712), (660, 28814), (676, 28874), (680, 28886), (758, 28970), (762, 28982), (763, 28988), (767, 29000), (768, 29003), (781, 29042), (789, 29060), (799, 29096), (800, 29102), (826, 29189), (863, 29279), (880, 29321), (885, 29339), (895, 29369), (905, 29411), (923, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 162

Candidate Starts for Thimann_20:

(87, 17178), (Start: 162 @17295 has 92 MA's), (312, 17553), (323, 17574), (355, 17628), (368, 17667), (396, 17724), (403, 17745), (526, 17916), (534, 17934), (552, 17958), (575, 17979), (603, 18021), (631, 18102), (667, 18192), (700, 18294), (701, 18297), (722, 18351), (770, 18441), (880, 18720), (882, 18729), (891, 18759),

Gene: Thimble_24 Start: 18699, Stop: 20378, Start Num: 144

Candidate Starts for Thimble_24:

(Start: 144 @18699 has 125 MA's), (Start: 205 @18783 has 48 MA's), (Start: 244 @18861 has 1 MA's), (279, 18948), (284, 18963), (300, 19011), (317, 19050), (359, 19137), (372, 19170), (388, 19206), (400, 19236), (402, 19242), (437, 19311), (495, 19341), (498, 19353), (499, 19356), (520, 19413), (589, 19545), (591, 19551), (614, 19617), (616, 19623), (625, 19647), (648, 19695), (662,

19719), (664, 19728), (688, 19803), (752, 19854), (758, 19869), (809, 20031), (817, 20058), (826, 20088), (868, 20193), (897, 20271), (904, 20307), (907, 20316), (916, 20349), (923, 20364),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 105

Candidate Starts for Thing3_34:

(97, 30795), (Start: 105 @30813 has 84 MA's), (Start: 129 @30849 has 1 MA's), (226, 30987), (272, 31083), (275, 31092), (296, 31161), (320, 31212), (347, 31257), (355, 31272), (391, 31353), (407, 31398), (410, 31407), (430, 31446), (466, 31497), (467, 31500), (480, 31527), (487, 31542), (495, 31566), (504, 31596), (585, 31701), (631, 31818), (641, 31836), (647, 31851), (664, 31881), (667, 31893), (668, 31896), (676, 31923), (815, 32247), (816, 32250), (834, 32298), (852, 32325), (860, 32352), (877, 32406), (883, 32433), (919, 32562),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 152

Candidate Starts for Thor_27:

(Start: 152 @21221 has 219 MA's), (Start: 173 @21242 has 4 MA's), (Start: 199 @21284 has 1 MA's), (223, 21329), (320, 21545), (347, 21590), (353, 21599), (391, 21689), (393, 21692), (430, 21785), (491, 21887), (514, 21956), (609, 22145), (613, 22157), (614, 22160), (622, 22181), (667, 22277), (668, 22280), (670, 22286), (696, 22355), (699, 22373), (701, 22382), (714, 22412), (753, 22508), (764, 22541), (769, 22556), (815, 22697), (837, 22754), (879, 22865), (925, 23018),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 138

Candidate Starts for ThreeRngTarjay_35:

(Start: 138 @27471 has 76 MA's), (Start: 205 @27561 has 48 MA's), (230, 27609), (242, 27639), (255, 27666), (292, 27768), (301, 27798), (347, 27897), (360, 27933), (362, 27939), (372, 27960), (402, 28032), (405, 28041), (411, 28062), (474, 28131), (499, 28170), (500, 28173), (505, 28188), (520, 28227), (543, 28275), (550, 28287), (554, 28293), (572, 28341), (577, 28350), (589, 28371), (597, 28389), (612, 28437), (660, 28539), (680, 28611), (698, 28656), (700, 28668), (710, 28803), (711, 28809), (712, 28833), (739, 28905), (750, 28932), (828, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 144

Candidate Starts for Thresher_25:

(Start: 144 @20500 has 125 MA's), (Start: 205 @20584 has 48 MA's), (Start: 244 @20662 has 1 MA's), (279, 20749), (284, 20764), (300, 20812), (317, 20851), (359, 20938), (372, 20971), (388, 21007), (400, 21037), (402, 21043), (437, 21112), (495, 21142), (498, 21154), (499, 21157), (520, 21214), (589, 21346), (591, 21352), (614, 21418), (616, 21424), (625, 21448), (648, 21496), (662, 21520), (664, 21529), (688, 21604), (752, 21655), (758, 21670), (809, 21832), (817, 21859), (826, 21889), (868, 21994), (897, 22072), (904, 22108), (907, 22117), (916, 22150), (923, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 134

Candidate Starts for ThulaThula_18:

(Start: 134 @16085 has 48 MA's), (195, 16166), (197, 16169), (227, 16220), (229, 16223), (Start: 233 @16232 has 2 MA's), (259, 16289), (274, 16328), (279, 16349), (283, 16361), (289, 16382), (292, 16385), (293, 16391), (342, 16505), (359, 16544), (360, 16550), (406, 16664), (425, 16715), (437, 16721), (480, 16760), (493, 16766), (500, 16790), (520, 16844), (526, 16856), (531, 16865), (560, 16925), (587, 16982), (597, 17003), (609, 17042), (621, 17075), (648, 17141), (662, 17165), (668, 17189), (676, 17219), (680, 17231), (763, 17333), (767, 17345), (768, 17348), (770, 17354), (774, 17363), (807, 17471), (836, 17555), (863, 17624), (874, 17654), (916, 17795), (923, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 121

Candidate Starts for Thyatira_21:

(Start: 121 @17495 has 44 MA's), (Start: 127 @17501 has 1 MA's), (Start: 147 @17525 has 1 MA's), (Start: 181 @17558 has 32 MA's), (208, 17606), (237, 17660), (261, 17711), (283, 17774), (330, 17882), (381, 17990), (424, 18104), (426, 18107), (449, 18146), (459, 18161), (465, 18173), (467,

18179), (487, 18221), (492, 18227), (504, 18266), (513, 18290), (589, 18392), (610, 18455), (627, 18500), (685, 18635), (719, 18734), (757, 18812), (764, 18836), (771, 18857), (777, 18869), (785, 18875), (815, 18953), (817, 18959), (882, 19112), (912, 19217), (913, 19220), (917, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 175

Candidate Starts for Tiamoceli_33:

(Start: 175 @28384 has 10 MA's), (189, 28405), (226, 28468), (279, 28591), (283, 28603), (310, 28660), (355, 28738), (405, 28861), (468, 28975), (485, 29005), (500, 29047), (525, 29110), (581, 29158), (585, 29167), (609, 29218), (627, 29266), (695, 29431), (701, 29461), (762, 29560), (764, 29569), (765, 29572), (792, 29617), (808, 29674), (810, 29680), (812, 29686), (830, 29734), (834, 29743), (837, 29749), (840, 29752), (864, 29803), (880, 29848), (900, 29917), (913, 29965), (916, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 118

Candidate Starts for Tierra_22:

(Start: 112 @17038 has 26 MA's), (Start: 118 @17047 has 149 MA's), (Start: 144 @17077 has 125 MA's), (230, 17203), (237, 17218), (245, 17236), (261, 17269), (274, 17299), (287, 17344), (325, 17434), (347, 17470), (381, 17548), (385, 17557), (415, 17641), (419, 17650), (424, 17662), (426, 17665), (449, 17704), (459, 17719), (467, 17737), (487, 17779), (492, 17785), (598, 17968), (615, 18028), (660, 18112), (665, 18130), (685, 18190), (707, 18265), (719, 18289), (753, 18349), (764, 18382), (765, 18385), (771, 18403), (786, 18424), (815, 18499), (834, 18550), (837, 18556), (849, 18577), (880, 18649), (897, 18700), (917, 18784), (919, 18787), (929, 18805),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 150

Candidate Starts for Tiffany_29:

(Start: 150 @20273 has 625 MA's), (Start: 199 @20330 has 1 MA's), (208, 20345), (226, 20378), (237, 20399), (Start: 244 @20414 has 1 MA's), (279, 20501), (283, 20513), (284, 20516), (320, 20591), (330, 20606), (351, 20642), (445, 20849), (500, 20963), (514, 21002), (562, 21089), (613, 21203), (622, 21227), (631, 21245), (668, 21326), (696, 21401), (699, 21419), (708, 21452), (714, 21458), (727, 21497), (752, 21551), (753, 21554), (761, 21575), (780, 21632), (837, 21800), (877, 21905), (879, 21911), (916, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 150

Candidate Starts for Tiger_24:

(Start: 150 @19558 has 625 MA's), (230, 19663), (245, 19696), (284, 19795), (320, 19870), (330, 19885), (351, 19921), (381, 19993), (387, 20008), (401, 20041), (403, 20047), (500, 20242), (509, 20272), (513, 20278), (587, 20413), (609, 20470), (610, 20473), (613, 20482), (631, 20524), (640, 20542), (667, 20602), (668, 20605), (699, 20698), (701, 20707), (708, 20731), (752, 20839), (764, 20875), (837, 21085), (876, 21187), (879, 21196), (910, 21310), (916, 21331), (919, 21340),

Gene: Tigress9_23 Start: 16300, Stop: 18075, Start Num: 112

Candidate Starts for Tigress9_23:

(Start: 112 @16300 has 26 MA's), (Start: 118 @16309 has 149 MA's), (Start: 144 @16339 has 125 MA's), (230, 16465), (237, 16480), (261, 16531), (274, 16561), (287, 16606), (325, 16696), (347, 16732), (385, 16819), (419, 16912), (424, 16924), (426, 16927), (465, 16993), (467, 16999), (487, 17041), (492, 17047), (552, 17173), (598, 17230), (643, 17347), (665, 17392), (668, 17404), (685, 17452), (707, 17527), (719, 17551), (765, 17647), (815, 17761), (834, 17812), (837, 17818), (880, 17911), (917, 18046), (919, 18049), (929, 18067),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 105

Candidate Starts for TillyBobJoe_31:

(86, 25607), (Start: 105 @25649 has 84 MA's), (Start: 129 @25685 has 1 MA's), (Start: 155 @25718 has 12 MA's), (274, 25928), (275, 25931), (283, 25961), (310, 26027), (320, 26051), (326, 26060),

(345, 26093), (410, 26246), (430, 26285), (466, 26336), (470, 26348), (480, 26366), (486, 26378), (490, 26390), (495, 26405), (504, 26435), (505, 26438), (513, 26459), (581, 26531), (603, 26579), (647, 26690), (665, 26723), (677, 26765), (701, 26837), (740, 26903), (744, 26915), (815, 27086), (816, 27089), (834, 27137), (852, 27164), (860, 27191), (861, 27197), (877, 27245), (908, 27362), (914, 27383),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 162

Candidate Starts for TimTam_19:

(Start: 162 @17764 has 92 MA's), (312, 18022), (320, 18040), (323, 18043), (355, 18097), (386, 18172), (411, 18241), (414, 18250), (419, 18262), (446, 18313), (462, 18340), (467, 18349), (468, 18352), (526, 18385), (568, 18442), (603, 18508), (646, 18619), (659, 18643), (667, 18679), (700, 18781), (722, 18838), (770, 18928), (868, 19168), (891, 19246),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 150

Candidate Starts for Timothy_28:

(102, 20683), (Start: 130 @20725 has 8 MA's), (Start: 150 @20749 has 625 MA's), (Start: 193 @20791 has 3 MA's), (245, 20887), (253, 20902), (283, 20983), (284, 20986), (320, 21061), (330, 21076), (353, 21115), (355, 21121), (401, 21232), (403, 21238), (445, 21319), (491, 21403), (541, 21529), (552, 21547), (568, 21574), (631, 21715), (664, 21781), (667, 21793), (668, 21796), (734, 21985), (747, 22012), (751, 22021), (757, 22042), (758, 22045), (764, 22066), (769, 22081), (778, 22105), (801, 22180), (805, 22195), (837, 22279), (877, 22384), (879, 22390), (894, 22444), (925, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 150

Candidate Starts for Timshel_28:

(102, 22785), (Start: 130 @22827 has 8 MA's), (Start: 139 @22839 has 218 MA's), (Start: 150 @22851 has 625 MA's), (209, 22917), (283, 23082), (284, 23085), (320, 23160), (330, 23175), (403, 23337), (405, 23343), (445, 23418), (509, 23562), (581, 23688), (587, 23700), (613, 23769), (631, 23811), (667, 23907), (668, 23910), (673, 23925), (696, 23985), (699, 24003), (701, 24012), (708, 24036), (714, 24042), (752, 24135), (753, 24138), (764, 24171), (769, 24186), (781, 24222), (784, 24228), (810, 24315), (814, 24324), (869, 24465), (879, 24495), (880, 24504), (908, 24600), (923, 24645),

Gene: TinaBug_18 Start: 16644, Stop: 18398, Start Num: 138

Candidate Starts for TinaBug_18:

(Start: 112 @16635 has 26 MA's), (Start: 138 @16644 has 76 MA's), (Start: 144 @16650 has 125 MA's), (149, 16656), (237, 16788), (261, 16839), (274, 16869), (280, 16893), (320, 16995), (344, 17034), (347, 17040), (355, 17055), (371, 17100), (419, 17220), (450, 17277), (467, 17316), (492, 17364), (500, 17391), (504, 17403), (548, 17484), (589, 17529), (668, 17727), (677, 17757), (685, 17775), (696, 17802), (723, 17886), (742, 17904), (749, 17919), (764, 17967), (769, 17982), (802, 18045), (821, 18102), (837, 18141), (858, 18183), (880, 18234), (907, 18330), (929, 18390),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for TinaFeyge_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: TinaLin_25 Start: 17451, Stop: 18779, Start Num: 267

Candidate Starts for TinaLin_25:

(Start: 267 @17451 has 11 MA's), (277, 17469), (329, 17577), (371, 17667), (387, 17700), (409, 17757), (414, 17775), (Start: 417 @17784 has 1 MA's), (428, 17805), (431, 17814), (455, 17847), (472,

17880), (563, 17943), (583, 17973), (588, 17982), (600, 17991), (603, 18000), (662, 18120), (667, 18147), (681, 18192), (695, 18222), (701, 18252), (753, 18324), (764, 18357), (766, 18363), (847, 18534), (868, 18585), (894, 18669), (898, 18678), (901, 18696), (924, 18768),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 118

Candidate Starts for TingHuaYa_23:

(Start: 118 @16454 has 149 MA's), (Start: 144 @16484 has 125 MA's), (245, 16643), (261, 16676), (263, 16679), (274, 16706), (287, 16751), (294, 16769), (325, 16841), (381, 16955), (385, 16964), (401, 17003), (416, 17051), (424, 17069), (426, 17072), (459, 17126), (467, 17144), (487, 17186), (492, 17192), (500, 17219), (513, 17255), (589, 17357), (598, 17375), (615, 17435), (628, 17465), (643, 17492), (685, 17597), (765, 17792), (777, 17822), (815, 17906), (834, 17957), (880, 18056), (882, 18065), (897, 18107), (907, 18152), (917, 18191), (919, 18194), (929, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 118

Candidate Starts for TiniBug_23:

(Start: 118 @17099 has 149 MA's), (Start: 144 @17129 has 125 MA's), (261, 17321), (274, 17351), (283, 17384), (287, 17396), (325, 17486), (351, 17528), (381, 17600), (385, 17609), (401, 17648), (415, 17693), (426, 17717), (467, 17789), (487, 17831), (492, 17837), (500, 17864), (589, 18002), (598, 18020), (609, 18062), (628, 18110), (643, 18137), (685, 18242), (716, 18332), (765, 18437), (777, 18467), (786, 18476), (815, 18551), (834, 18602), (907, 18797), (917, 18836), (919, 18839), (929, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 162

Candidate Starts for TinyDot_19:

(Start: 162 @15300 has 92 MA's), (256, 15420), (323, 15579), (348, 15621), (363, 15663), (403, 15753), (416, 15795), (419, 15801), (524, 15921), (579, 15993), (610, 16056), (648, 16146), (691, 16263), (770, 16446), (820, 16560), (831, 16590), (854, 16632), (882, 16734), (887, 16749),

Gene: TinyPebbles_29 Start: 20465, Stop: 22261, Start Num: 150

Candidate Starts for TinyPebbles_29:

(Start: 150 @20465 has 625 MA's), (Start: 199 @20522 has 1 MA's), (208, 20537), (226, 20570), (237, 20591), (Start: 244 @20606 has 1 MA's), (279, 20693), (283, 20705), (284, 20708), (320, 20783), (330, 20798), (351, 20834), (445, 21041), (500, 21155), (514, 21194), (562, 21281), (613, 21395), (622, 21419), (631, 21437), (668, 21518), (696, 21593), (699, 21611), (708, 21644), (714, 21650), (727, 21689), (752, 21743), (753, 21746), (761, 21767), (780, 21824), (837, 21992), (877, 22097), (879, 22103), (916, 22238),

Gene: TinyTimmy_28 Start: 20792, Stop: 22591, Start Num: 150

Candidate Starts for TinyTimmy_28:

(102, 20726), (Start: 130 @20768 has 8 MA's), (Start: 150 @20792 has 625 MA's), (Start: 193 @20834 has 3 MA's), (245, 20930), (253, 20945), (283, 21026), (284, 21029), (320, 21104), (330, 21119), (353, 21158), (355, 21164), (375, 21215), (401, 21275), (403, 21281), (445, 21362), (491, 21446), (541, 21572), (552, 21590), (568, 21617), (631, 21758), (664, 21824), (667, 21836), (668, 21839), (707, 21962), (734, 22028), (747, 22055), (757, 22085), (758, 22088), (764, 22109), (769, 22124), (778, 22148), (801, 22223), (805, 22238), (837, 22322), (877, 22427), (879, 22433), (894, 22487), (925, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 150

Candidate Starts for Tinybot_26:

(Start: 130 @19780 has 8 MA's), (Start: 150 @19804 has 625 MA's), (Start: 155 @19810 has 12 MA's), (Start: 199 @19864 has 1 MA's), (208, 19879), (237, 19933), (245, 19951), (279, 20035), (283, 20047), (284, 20050), (320, 20125), (330, 20140), (353, 20179), (401, 20296), (445, 20383), (487, 20464), (505, 20512), (514, 20536), (562, 20623), (587, 20668), (614, 20740), (622, 20761), (631,

20779), (668, 20860), (699, 20953), (701, 20962), (708, 20986), (714, 20992), (722, 21016), (753, 21070), (761, 21091), (778, 21142), (787, 21166), (837, 21316), (877, 21421), (880, 21436), (911, 21544), (916, 21562),

Gene: TopsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 150

Candidate Starts for TopsytheTRex_27:

(102, 19240), (Start: 130 @19282 has 8 MA's), (Start: 150 @19306 has 625 MA's), (253, 19459), (283, 19540), (284, 19543), (319, 19615), (320, 19618), (330, 19633), (353, 19672), (355, 19678), (387, 19756), (401, 19789), (403, 19795), (415, 19834), (445, 19876), (483, 19951), (487, 19957), (491, 19960), (509, 20020), (580, 20146), (613, 20230), (631, 20272), (660, 20323), (668, 20353), (708, 20479), (740, 20542), (764, 20614), (769, 20629), (778, 20653), (801, 20728), (805, 20743), (837, 20827), (877, 20932), (879, 20938), (890, 20983), (894, 20992),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 118

Candidate Starts for Tiri_23:

(Start: 118 @17160 has 149 MA's), (Start: 144 @17190 has 125 MA's), (245, 17349), (261, 17382), (274, 17412), (283, 17445), (287, 17457), (325, 17547), (351, 17589), (381, 17661), (385, 17670), (401, 17709), (415, 17754), (424, 17775), (426, 17778), (459, 17832), (467, 17850), (487, 17892), (492, 17898), (500, 17925), (589, 18063), (598, 18081), (609, 18123), (615, 18141), (628, 18171), (643, 18198), (685, 18303), (753, 18462), (765, 18498), (777, 18528), (786, 18537), (815, 18612), (834, 18663), (907, 18858), (917, 18897), (919, 18900), (929, 18918),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for TiroTheta9_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 150

Candidate Starts for Toaka_27:

(102, 19845), (Start: 130 @19887 has 8 MA's), (Start: 150 @19911 has 625 MA's), (283, 20145), (284, 20148), (319, 20220), (320, 20223), (353, 20277), (355, 20283), (401, 20394), (403, 20400), (445, 20481), (487, 20562), (491, 20565), (509, 20625), (514, 20634), (608, 20814), (614, 20838), (631, 20877), (660, 20928), (668, 20958), (727, 21129), (753, 21186), (757, 21195), (769, 21234), (778, 21258), (801, 21333), (817, 21378), (837, 21429), (864, 21495), (877, 21534), (879, 21540), (890, 21585), (907, 21642),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 177

Candidate Starts for Toast_19:

(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (14, 15996), (19, 16071), (29, 16209), (35, 16239), (36, 16245), (48, 16377), (55, 16434), (57, 16443), (84, 16602), (Start: 141 @16704 has 4 MA's), (Start: 177 @16740 has 46 MA's), (237, 16845), (273, 16923), (291, 16983), (299, 16995), (300, 16998), (400, 17196), (405, 17211), (454, 17295), (459, 17307), (462, 17316), (465, 17319), (474, 17340), (495, 17382), (504, 17412), (617, 17595), (627, 17619), (655, 17670), (668, 17703), (687, 17763), (695, 17775), (704, 17817), (713, 17835), (766, 17970), (810, 18069), (817, 18087), (837, 18138), (866, 18198), (868, 18204), (894, 18279),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Todacoro_28:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 105

Candidate Starts for Togo_31:

(86, 25808), (Start: 105 @25850 has 84 MA's), (Start: 129 @25886 has 1 MA's), (Start: 155 @25919 has 12 MA's), (274, 26129), (275, 26132), (283, 26162), (310, 26228), (320, 26252), (326, 26261), (345, 26294), (410, 26447), (430, 26486), (466, 26537), (470, 26549), (480, 26567), (486, 26579), (490, 26591), (495, 26606), (504, 26636), (505, 26639), (513, 26660), (581, 26732), (603, 26780), (647, 26891), (665, 26924), (676, 26963), (677, 26966), (701, 27038), (740, 27104), (744, 27116), (815, 27287), (816, 27290), (834, 27338), (852, 27365), (860, 27392), (861, 27398), (877, 27446), (908, 27563), (914, 27584), (925, 27611),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 150

Candidate Starts for Tolls_20:

(Start: 140 @15398 has 9 MA's), (Start: 150 @15401 has 625 MA's), (222, 15503), (230, 15515), (274, 15611), (300, 15695), (351, 15785), (375, 15845), (387, 15872), (400, 15902), (401, 15905), (430, 15974), (458, 16007), (462, 16019), (465, 16022), (474, 16043), (476, 16046), (500, 16112), (504, 16124), (606, 16289), (668, 16439), (673, 16454), (678, 16472), (699, 16529), (769, 16670), (771, 16676), (777, 16688), (786, 16697), (814, 16769), (815, 16772), (817, 16778), (821, 16790), (864, 16895), (867, 16904), (879, 16937),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 138

Candidate Starts for TomBrady_18:

(Start: 112 @16641 has 26 MA's), (Start: 138 @16650 has 76 MA's), (Start: 144 @16656 has 125 MA's), (149, 16662), (237, 16794), (261, 16845), (274, 16875), (280, 16899), (320, 17001), (344, 17040), (347, 17046), (355, 17061), (371, 17106), (419, 17226), (450, 17283), (467, 17322), (492, 17370), (500, 17397), (504, 17409), (548, 17490), (589, 17535), (668, 17733), (677, 17763), (685, 17781), (696, 17808), (723, 17892), (742, 17910), (749, 17925), (764, 17973), (769, 17988), (802, 18051), (821, 18108), (837, 18147), (858, 18189), (880, 18240), (907, 18336), (929, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 144

Candidate Starts for Tomaszewski_23:

(Start: 144 @19346 has 125 MA's), (Start: 205 @19430 has 48 MA's), (Start: 244 @19508 has 1 MA's), (279, 19595), (284, 19610), (300, 19658), (317, 19697), (359, 19784), (372, 19817), (388, 19853), (400, 19883), (402, 19889), (437, 19958), (495, 19988), (498, 20000), (499, 20003), (520, 20060), (589, 20192), (591, 20198), (614, 20264), (616, 20270), (625, 20294), (648, 20342), (662, 20366), (664, 20375), (688, 20450), (752, 20501), (758, 20516), (809, 20678), (817, 20705), (826, 20735), (868, 20840), (897, 20918), (904, 20954), (907, 20963), (916, 20996), (923, 21011),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for Tomathan_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 150

Candidate Starts for ToneTone_29:

(102, 19837), (Start: 130 @19879 has 8 MA's), (Start: 150 @19903 has 625 MA's), (284, 20140), (319, 20212), (320, 20215), (330, 20230), (353, 20269), (355, 20275), (401, 20386), (403, 20392), (415, 20431), (445, 20473), (467, 20512), (487, 20554), (491, 20557), (562, 20713), (624, 20854), (631, 20869), (714, 21082), (761, 21181), (769, 21208), (788, 21259), (790, 21268), (801, 21307), (805, 21322), (837, 21406), (877, 21511), (879, 21517), (916, 21652),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 160

Candidate Starts for Toniann_48:

(Start: 160 @29557 has 22 MA's), (202, 29617), (216, 29650), (234, 29683), (282, 29809), (292, 29842), (294, 29851), (354, 29980), (370, 30028), (520, 30241), (523, 30247), (534, 30271), (601, 30400), (606, 30421), (616, 30454), (688, 30652), (789, 30805), (817, 30904), (821, 30916), (824, 30925), (860, 31009), (905, 31156), (915, 31192), (919, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 139

Candidate Starts for TootsiePop_17:

(Start: 139 @14677 has 218 MA's), (207, 14764), (Start: 233 @14809 has 2 MA's), (242, 14833), (282, 14938), (284, 14944), (289, 14962), (293, 14971), (300, 14992), (353, 15097), (375, 15157), (379, 15166), (384, 15178), (388, 15187), (398, 15211), (410, 15247), (411, 15253), (415, 15265), (425, 15286), (427, 15289), (441, 15298), (467, 15313), (474, 15319), (493, 15337), (497, 15352), (499, 15358), (505, 15376), (506, 15379), (512, 15394), (516, 15409), (520, 15415), (543, 15463), (550, 15475), (554, 15481), (587, 15541), (592, 15553), (597, 15562), (606, 15589), (609, 15601), (616, 15622), (645, 15676), (648, 15685), (662, 15709), (670, 15739), (751, 15844), (753, 15856), (765, 15892), (792, 15970), (820, 16069), (826, 16090), (843, 16123), (858, 16153), (864, 16183), (866, 16189), (867, 16192), (869, 16198), (878, 16213), (879, 16216), (882, 16237), (899, 16282), (916, 16354), (917, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 139

Candidate Starts for Tootsieroll_17:

(Start: 139 @14648 has 218 MA's), (207, 14735), (Start: 233 @14780 has 2 MA's), (242, 14804), (266, 14861), (282, 14909), (284, 14915), (289, 14933), (300, 14963), (353, 15068), (375, 15128), (379, 15137), (388, 15158), (398, 15182), (410, 15218), (411, 15224), (425, 15257), (427, 15260), (441, 15269), (467, 15284), (474, 15290), (493, 15308), (497, 15323), (499, 15329), (505, 15347), (506, 15350), (512, 15365), (513, 15368), (516, 15380), (520, 15386), (543, 15434), (550, 15446), (554, 15452), (587, 15512), (592, 15524), (606, 15560), (609, 15572), (645, 15647), (648, 15656), (660, 15674), (662, 15680), (670, 15710), (751, 15815), (752, 15824), (753, 15827), (765, 15863), (792, 15941), (820, 16040), (826, 16061), (843, 16094), (858, 16124), (864, 16154), (867, 16163), (869, 16169), (878, 16184), (879, 16187), (883, 16211), (894, 16241), (899, 16253), (904, 16283), (916, 16325),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 150

Candidate Starts for Topanga_27:

(Start: 150 @19924 has 625 MA's), (Start: 199 @19981 has 1 MA's), (208, 19996), (226, 20029), (237, 20050), (279, 20152), (283, 20164), (284, 20167), (320, 20242), (330, 20257), (353, 20296), (401, 20413), (407, 20431), (445, 20500), (483, 20575), (500, 20614), (514, 20653), (562, 20740), (587, 20785), (613, 20854), (622, 20878), (627, 20890), (631, 20896), (668, 20977), (699, 21070), (701, 21079), (708, 21103), (714, 21109), (719, 21124), (743, 21157), (761, 21208), (766, 21226), (810, 21364), (815, 21376), (837, 21433), (853, 21457), (855, 21463), (877, 21538), (879, 21544), (880, 21553), (897, 21604), (916, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 152

Candidate Starts for Topgun_27:

(Start: 152 @20974 has 219 MA's), (Start: 173 @20995 has 4 MA's), (Start: 199 @21037 has 1 MA's), (223, 21082), (320, 21298), (347, 21343), (353, 21352), (391, 21442), (393, 21445), (491, 21640), (514, 21709), (609, 21898), (613, 21910), (614, 21913), (622, 21934), (667, 22030), (668, 22033), (670, 22039), (696, 22108), (699, 22126), (701, 22135), (714, 22165), (753, 22261), (764, 22294), (769, 22309), (780, 22339), (815, 22450), (837, 22507), (879, 22618),

Gene: Topiatin_18 Start: 15507, Stop: 17216, Start Num: 139

Candidate Starts for Topiatin_18:

(Start: 139 @15507 has 218 MA's), (207, 15594), (Start: 233 @15639 has 2 MA's), (242, 15663), (282, 15768), (284, 15774), (289, 15792), (300, 15822), (353, 15927), (375, 15987), (384, 16008), (388, 16017), (398, 16041), (425, 16116), (493, 16167), (497, 16182), (499, 16188), (512, 16224), (513, 16227), (516, 16239), (520, 16245), (543, 16293), (550, 16305), (554, 16311), (587, 16371), (592, 16383), (606, 16419), (609, 16431), (645, 16506), (648, 16515), (660, 16533), (662, 16539), (670, 16569), (751, 16674), (752, 16683), (753, 16686), (765, 16722), (789, 16788), (792, 16800), (820, 16899), (826, 16920), (843, 16953), (858, 16983), (864, 17013), (867, 17022), (869, 17028), (878, 17043), (879, 17046), (883, 17070), (894, 17100), (899, 17112), (904, 17142), (916, 17184),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Topper_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: Toro_30 Start: 22924, Stop: 24726, Start Num: 150

Candidate Starts for Toro_30:

(Start: 139 @22912 has 218 MA's), (Start: 150 @22924 has 625 MA's), (Start: 199 @22972 has 1 MA's), (209, 22990), (283, 23155), (284, 23158), (320, 23233), (330, 23248), (353, 23287), (403, 23410), (405, 23416), (415, 23449), (445, 23491), (509, 23635), (581, 23761), (613, 23842), (631, 23884), (656, 23932), (667, 23980), (668, 23983), (696, 24058), (699, 24076), (701, 24085), (708, 24109), (714, 24115), (752, 24208), (753, 24211), (764, 24244), (769, 24259), (815, 24400), (869, 24538), (877, 24562), (879, 24568), (908, 24673),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Torres_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 134

Candidate Starts for Tortellini_18:

(Start: 134 @15988 has 48 MA's), (197, 16072), (227, 16123), (229, 16126), (Start: 233 @16135 has 2 MA's), (259, 16192), (266, 16213), (283, 16264), (292, 16288), (294, 16297), (342, 16408), (359, 16447), (402, 16555), (406, 16567), (427, 16621), (437, 16624), (480, 16663), (493, 16669), (499, 16690), (500, 16693), (520, 16747), (531, 16768), (581, 16873), (597, 16906), (609, 16945), (621, 16978), (648, 17044), (662, 17068), (668, 17092), (676, 17122), (680, 17134), (763, 17236), (767, 17248), (770, 17257), (774, 17266), (804, 17365), (807, 17374), (836, 17458), (874, 17557), (916, 17698), (923, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 144

Candidate Starts for Tortoise12_18:

(Start: 144 @14989 has 125 MA's), (Start: 169 @15016 has 1 MA's), (Start: 233 @15121 has 2 MA's), (236, 15133), (252, 15169), (274, 15220), (282, 15250), (284, 15256), (293, 15283), (295, 15289), (353, 15409), (371, 15463), (375, 15469), (382, 15487), (388, 15499), (390, 15502), (398, 15523), (411, 15565), (425, 15598), (493, 15649), (497, 15664), (512, 15706), (516, 15721), (520, 15727), (543, 15775), (556, 15799), (564, 15829), (587, 15853), (609, 15913), (613, 15925), (634, 15979), (645, 15988), (669, 16048), (670, 16051), (751, 16156), (752, 16165), (765, 16204), (808, 16342), (863, 16492), (864, 16495), (867, 16504), (878, 16525), (883, 16552), (897, 16588), (923, 16681),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 152

Candidate Starts for Tote_29:

(Start: 152 @21585 has 219 MA's), (Start: 173 @21606 has 4 MA's), (Start: 199 @21648 has 1 MA's), (223, 21693), (320, 21909), (347, 21954), (353, 21963), (367, 22002), (391, 22053), (393, 22056), (491, 22251), (514, 22320), (613, 22521), (614, 22524), (622, 22545), (667, 22641), (668, 22644), (670, 22650), (696, 22719), (699, 22737), (701, 22746), (714, 22776), (753, 22872), (764, 22905), (769, 22920), (815, 23061), (837, 23118), (879, 23229),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 139

Candidate Starts for Totinger_17:

(Start: 139 @14596 has 218 MA's), (207, 14683), (Start: 233 @14728 has 2 MA's), (242, 14752), (282, 14857), (284, 14863), (289, 14881), (300, 14911), (353, 15016), (375, 15076), (382, 15094), (384, 15097), (388, 15106), (398, 15130), (493, 15256), (497, 15271), (499, 15277), (512, 15313), (513, 15316), (516, 15328), (520, 15334), (543, 15382), (550, 15394), (554, 15400), (587, 15460), (592, 15472), (606, 15508), (609, 15520), (645, 15595), (648, 15604), (660, 15622), (662, 15628), (670, 15658), (751, 15763), (753, 15775), (765, 15811), (792, 15889), (826, 16009), (843, 16042), (858, 16072), (860, 16084), (864, 16102), (866, 16108), (867, 16111), (869, 16117), (878, 16132), (879, 16135), (882, 16156), (883, 16159), (899, 16201), (904, 16231), (916, 16273), (917, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 205

Candidate Starts for Toto_24:

(Start: 144 @19746 has 125 MA's), (Start: 205 @19830 has 48 MA's), (Start: 244 @19908 has 1 MA's), (279, 19995), (284, 20010), (300, 20058), (317, 20097), (359, 20184), (372, 20217), (388, 20253), (400, 20283), (402, 20289), (437, 20358), (495, 20388), (498, 20400), (499, 20403), (520, 20460), (589, 20592), (591, 20598), (614, 20664), (616, 20670), (625, 20694), (648, 20742), (662, 20766), (664, 20775), (688, 20850), (752, 20901), (758, 20916), (809, 21078), (817, 21105), (826, 21135), (868, 21240), (897, 21318), (904, 21354), (907, 21363), (916, 21396), (923, 21411),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 152

Candidate Starts for TouchMeNot_19:

(Start: 152 @17425 has 219 MA's), (182, 17458), (305, 17716), (347, 17794), (400, 17917), (403, 17926), (404, 17929), (407, 17938), (410, 17947), (491, 18088), (495, 18100), (513, 18154), (607, 18289), (617, 18322), (625, 18340), (631, 18352), (640, 18367), (667, 18427), (674, 18448), (676, 18457), (699, 18523), (708, 18556), (743, 18586), (746, 18592), (747, 18595), (769, 18664), (814, 18763), (817, 18772), (878, 18928), (880, 18940),

Gene: Towmatter_28 Start: 25303, Stop: 27189, Start Num: 163

Candidate Starts for Towmatter_28:

(Start: 163 @25303 has 16 MA's), (231, 25414), (252, 25465), (272, 25513), (314, 25645), (354, 25720), (370, 25768), (405, 25852), (451, 25990), (484, 26089), (515, 26182), (520, 26194), (523, 26200), (534, 26224), (554, 26260), (556, 26266), (609, 26386), (621, 26419), (625, 26431), (658, 26491), (688, 26593), (751, 26635), (758, 26659), (799, 26782), (821, 26857), (826, 26875), (871,

26989), (930, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 144

Candidate Starts for Traaww1_22:

(Start: 144 @19391 has 125 MA's), (Start: 205 @19475 has 48 MA's), (Start: 244 @19553 has 1 MA's), (279, 19640), (284, 19655), (300, 19703), (317, 19742), (359, 19829), (362, 19841), (372, 19862), (388, 19898), (400, 19928), (402, 19934), (437, 20003), (495, 20033), (498, 20045), (499, 20048), (520, 20105), (589, 20237), (591, 20243), (614, 20309), (616, 20315), (625, 20339), (648, 20387), (662, 20411), (664, 20420), (688, 20495), (752, 20546), (758, 20561), (809, 20723), (817, 20750), (826, 20780), (868, 20885), (897, 20963), (904, 20999), (907, 21008), (916, 21041), (923, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 162

Candidate Starts for Tracker_41:

(Start: 162 @29603 has 92 MA's), (Start: 190 @29639 has 1 MA's), (201, 29657), (237, 29717), (355, 29957), (358, 29969), (363, 29984), (398, 30050), (403, 30065), (412, 30089), (413, 30092), (461, 30176), (475, 30206), (477, 30209), (498, 30257), (501, 30266), (517, 30314), (519, 30317), (531, 30338), (603, 30443), (625, 30488), (648, 30530), (706, 30704), (724, 30734), (733, 30740), (796, 30848), (797, 30851), (821, 30926), (904, 31145), (923, 31202),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 152

Candidate Starts for Traft412_29:

(Start: 152 @22064 has 219 MA's), (Start: 173 @22085 has 4 MA's), (Start: 199 @22127 has 1 MA's), (223, 22172), (320, 22388), (347, 22433), (353, 22442), (367, 22481), (391, 22532), (393, 22535), (491, 22730), (514, 22799), (613, 23000), (614, 23003), (622, 23024), (667, 23120), (668, 23123), (670, 23129), (696, 23198), (699, 23216), (701, 23225), (714, 23255), (753, 23351), (764, 23384), (769, 23399), (815, 23540), (837, 23597), (879, 23708), (925, 23861),

Gene: Travvers_31 Start: 20049, Stop: 21839, Start Num: 150

Candidate Starts for Travvers_31:

(102, 19983), (Start: 130 @20025 has 8 MA's), (Start: 150 @20049 has 625 MA's), (283, 20283), (284, 20286), (319, 20358), (320, 20361), (330, 20376), (353, 20415), (355, 20421), (401, 20532), (407, 20550), (445, 20619), (487, 20700), (491, 20703), (562, 20859), (580, 20889), (668, 21096), (708, 21222), (753, 21324), (764, 21357), (769, 21372), (778, 21396), (801, 21471), (802, 21474), (805, 21486), (837, 21570), (868, 21648), (877, 21675), (879, 21681), (890, 21726), (894, 21735), (916, 21816),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 152

Candidate Starts for Treddle_29:

(Start: 152 @22354 has 219 MA's), (Start: 173 @22375 has 4 MA's), (Start: 199 @22417 has 1 MA's), (223, 22462), (320, 22678), (347, 22723), (353, 22732), (367, 22771), (391, 22822), (393, 22825), (430, 22918), (491, 23020), (514, 23089), (613, 23290), (614, 23293), (622, 23314), (667, 23410), (668, 23413), (670, 23419), (696, 23488), (699, 23506), (701, 23515), (714, 23545), (753, 23641), (764, 23674), (769, 23689), (815, 23830), (837, 23887), (879, 23998),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 118

Candidate Starts for TreyKay_23:

(Start: 118 @17122 has 149 MA's), (Start: 144 @17152 has 125 MA's), (245, 17311), (261, 17344), (274, 17374), (283, 17407), (287, 17419), (325, 17509), (351, 17551), (377, 17614), (381, 17623), (385, 17632), (401, 17671), (415, 17716), (424, 17737), (426, 17740), (467, 17812), (487, 17854), (492, 17860), (500, 17887), (589, 18025), (598, 18043), (609, 18085), (615, 18103), (628, 18133), (643, 18160), (685, 18265), (753, 18424), (765, 18460), (777, 18490), (786, 18499), (815, 18574), (834, 18625), (907, 18820), (917, 18859), (919, 18862), (929, 18880),

Gene: TribbleTrouble_21 Start: 17403, Stop: 19166, Start Num: 118

Candidate Starts for TribbleTrouble_21:

(Start: 112 @17394 has 26 MA's), (Start: 118 @17403 has 149 MA's), (208, 17508), (237, 17562), (261, 17613), (274, 17643), (280, 17667), (381, 17898), (385, 17907), (391, 17919), (415, 17991), (416, 17994), (419, 18000), (424, 18012), (426, 18015), (467, 18087), (470, 18096), (487, 18129), (492, 18135), (504, 18174), (516, 18210), (610, 18363), (622, 18393), (651, 18450), (685, 18543), (701, 18597), (753, 18699), (764, 18732), (769, 18747), (785, 18771), (799, 18798), (817, 18855), (834, 18900), (880, 19002), (913, 19119), (917, 19137), (921, 19143), (929, 19158),

Gene: Trice_19 Start: 16697, Stop: 18463, Start Num: 118

Candidate Starts for Trice_19:

(Start: 118 @16697 has 149 MA's), (Start: 121 @16703 has 44 MA's), (Start: 144 @16727 has 125 MA's), (230, 16853), (237, 16868), (245, 16886), (274, 16949), (325, 17084), (330, 17090), (381, 17198), (385, 17207), (424, 17312), (465, 17381), (467, 17387), (483, 17423), (492, 17435), (513, 17498), (589, 17600), (598, 17618), (609, 17660), (610, 17663), (662, 17768), (685, 17840), (722, 17948), (724, 17954), (753, 17999), (771, 18053), (786, 18074), (815, 18149), (834, 18200), (880, 18299), (884, 18314), (897, 18350), (907, 18395), (917, 18434), (919, 18437), (929, 18455),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 150

Candidate Starts for Trike_25:

(Start: 130 @17872 has 8 MA's), (Start: 150 @17896 has 625 MA's), (Start: 199 @17953 has 1 MA's), (208, 17968), (237, 18022), (283, 18136), (284, 18139), (320, 18214), (344, 18253), (401, 18385), (445, 18472), (483, 18547), (500, 18586), (514, 18625), (562, 18712), (587, 18757), (613, 18826), (622, 18850), (627, 18862), (631, 18868), (699, 19042), (701, 19051), (708, 19075), (714, 19081), (719, 19096), (743, 19129), (761, 19180), (780, 19237), (781, 19243), (837, 19405), (877, 19510), (879, 19516), (880, 19525), (916, 19651),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 166

Candidate Starts for Trine_18:

(Start: 166 @14775 has 1 MA's), (242, 14901), (300, 15048), (389, 15222), (445, 15339), (491, 15420), (532, 15525), (587, 15576), (608, 15615), (613, 15636), (667, 15750), (668, 15753), (687, 15813), (695, 15825), (696, 15828), (701, 15855), (777, 15996), (792, 16011), (864, 16191), (879, 16221), (899, 16287), (908, 16329), (923, 16374),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 152

Candidate Starts for Tripl3t_28:

(Start: 152 @21973 has 219 MA's), (Start: 173 @21994 has 4 MA's), (Start: 199 @22036 has 1 MA's), (223, 22081), (320, 22297), (347, 22342), (353, 22351), (367, 22390), (391, 22441), (393, 22444), (491, 22639), (514, 22708), (613, 22909), (614, 22912), (622, 22933), (667, 23029), (668, 23032), (670, 23038), (696, 23107), (699, 23125), (701, 23134), (714, 23164), (753, 23260), (764, 23293), (769, 23308), (815, 23449), (837, 23506), (879, 23617),

Gene: Tristan_29 Start: 21808, Stop: 23580, Start Num: 150

Candidate Starts for Tristan_29:

(Start: 130 @21784 has 8 MA's), (Start: 150 @21808 has 625 MA's), (Start: 244 @21943 has 1 MA's), (253, 21961), (283, 22042), (284, 22045), (319, 22117), (320, 22120), (375, 22231), (387, 22258), (401, 22291), (415, 22336), (445, 22378), (491, 22462), (562, 22618), (581, 22651), (664, 22840), (668, 22855), (708, 22981), (714, 22987), (743, 23035), (764, 23098), (769, 23113), (771, 23119), (790, 23173), (801, 23212), (805, 23227), (837, 23311), (877, 23416), (879, 23422), (882, 23440), (890, 23467),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 150

Candidate Starts for Trixie_31:

(102, 21789), (Start: 130 @21831 has 8 MA's), (Start: 150 @21855 has 625 MA's), (266, 22038), (283, 22089), (284, 22092), (319, 22164), (320, 22167), (353, 22221), (355, 22227), (367, 22260), (387, 22305), (401, 22338), (445, 22425), (487, 22506), (491, 22509), (500, 22539), (580, 22695), (613, 22779), (614, 22782), (631, 22821), (664, 22887), (668, 22902), (714, 23034), (743, 23082), (753, 23112), (769, 23160), (771, 23166), (790, 23220), (805, 23274), (837, 23358), (864, 23424), (868, 23436), (877, 23463), (879, 23469),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 150

Candidate Starts for Troje_18:

(120, 15332), (Start: 140 @15359 has 9 MA's), (Start: 150 @15362 has 625 MA's), (274, 15572), (347, 15740), (351, 15746), (397, 15854), (409, 15890), (419, 15920), (430, 15935), (458, 15968), (462, 15980), (480, 16016), (500, 16073), (504, 16085), (587, 16205), (597, 16226), (606, 16250), (668, 16400), (673, 16415), (678, 16433), (699, 16490), (765, 16619), (769, 16631), (777, 16649), (786, 16658), (814, 16730), (815, 16733), (817, 16739), (821, 16751), (864, 16856), (867, 16865), (879, 16898), (913, 17024),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 150

Candidate Starts for Trooper_28:

(102, 19942), (Start: 130 @19984 has 8 MA's), (Start: 150 @20008 has 625 MA's), (253, 20161), (283, 20242), (284, 20245), (319, 20317), (320, 20320), (353, 20374), (401, 20491), (445, 20578), (487, 20659), (491, 20662), (580, 20848), (614, 20935), (631, 20974), (668, 21055), (708, 21181), (714, 21187), (769, 21313), (771, 21319), (801, 21412), (805, 21427), (837, 21511), (879, 21622), (894, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 152

Candidate Starts for Trouble_28:

(Start: 152 @21920 has 219 MA's), (Start: 173 @21941 has 4 MA's), (Start: 199 @21983 has 1 MA's), (223, 22028), (320, 22244), (347, 22289), (353, 22298), (367, 22337), (391, 22388), (393, 22391), (491, 22586), (514, 22655), (613, 22856), (614, 22859), (622, 22880), (667, 22976), (668, 22979), (670, 22985), (699, 23072), (701, 23081), (714, 23111), (753, 23207), (764, 23240), (769, 23255), (815, 23396), (837, 23453), (879, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 128

Candidate Starts for Troy_17:

(Start: 128 @16284 has 8 MA's), (143, 16305), (206, 16389), (220, 16416), (223, 16422), (281, 16554), (305, 16605), (320, 16638), (325, 16647), (391, 16782), (403, 16815), (409, 16833), (439, 16887), (467, 16932), (495, 16989), (498, 17001), (512, 17040), (563, 17091), (568, 17100), (582, 17121), (609, 17187), (650, 17277), (692, 17385), (706, 17439), (708, 17445), (718, 17463), (772, 17559), (787, 17580), (805, 17625), (866, 17784), (872, 17799), (878, 17814), (880, 17826), (923, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for TroyPia_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (411, 20349), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 118

Candidate Starts for TruffulaTree_23:

(Start: 118 @17151 has 149 MA's), (Start: 144 @17181 has 125 MA's), (245, 17340), (261, 17373), (274, 17403), (283, 17436), (287, 17448), (325, 17538), (351, 17580), (381, 17652), (385, 17661), (401, 17700), (415, 17745), (424, 17766), (426, 17769), (459, 17823), (467, 17841), (487, 17883), (492, 17889), (500, 17916), (589, 18054), (598, 18072), (609, 18114), (615, 18132), (628, 18162), (643, 18189), (685, 18294), (753, 18453), (765, 18489), (777, 18519), (786, 18528), (815, 18603), (834, 18654), (880, 18753), (907, 18849), (917, 18888), (919, 18891), (929, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Trumpet_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 150

Candidate Starts for Tubs_30:

(Start: 148 @21746 has 18 MA's), (Start: 150 @21749 has 625 MA's), (283, 21983), (284, 21986), (319, 22058), (320, 22061), (330, 22076), (353, 22115), (355, 22121), (401, 22232), (445, 22319), (487, 22400), (491, 22403), (580, 22589), (608, 22652), (614, 22676), (616, 22682), (631, 22715), (668, 22796), (708, 22922), (726, 22964), (727, 22967), (753, 23024), (764, 23057), (769, 23072), (801, 23171), (802, 23174), (805, 23186), (837, 23270), (864, 23336), (877, 23375), (879, 23381), (890, 23426), (907, 23483), (908, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 150

Candidate Starts for Tucker_31:

(102, 19923), (Start: 130 @19965 has 8 MA's), (Start: 150 @19989 has 625 MA's), (284, 20226), (319, 20298), (320, 20301), (330, 20316), (353, 20355), (355, 20361), (401, 20472), (403, 20478), (415, 20517), (445, 20559), (467, 20598), (487, 20640), (491, 20643), (562, 20799), (624, 20940), (631, 20955), (714, 21168), (761, 21267), (769, 21294), (788, 21345), (790, 21354), (801, 21393), (805, 21408), (837, 21492), (877, 21597), (879, 21603), (916, 21738),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 144

Candidate Starts for Tuco_25:

(Start: 144 @20261 has 125 MA's), (Start: 205 @20345 has 48 MA's), (Start: 244 @20423 has 1 MA's), (279, 20510), (284, 20525), (300, 20573), (317, 20612), (359, 20699), (372, 20732), (388, 20768), (400, 20798), (402, 20804), (437, 20873), (495, 20903), (498, 20915), (499, 20918), (520, 20975), (589, 21107), (591, 21113), (614, 21179), (616, 21185), (625, 21209), (648, 21257), (662, 21281), (664, 21290), (688, 21365), (752, 21416), (758, 21431), (809, 21593), (817, 21620), (826, 21650), (868, 21755), (897, 21833), (904, 21869), (907, 21878), (916, 21911), (923, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for TuertoX_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 150

Candidate Starts for Turbido_30:

(Start: 130 @20671 has 8 MA's), (Start: 150 @20695 has 625 MA's), (226, 20794), (266, 20878), (283, 20929), (284, 20932), (319, 21004), (320, 21007), (353, 21061), (367, 21100), (401, 21178), (445,

21265), (487, 21346), (491, 21349), (580, 21535), (614, 21622), (664, 21727), (668, 21742), (708, 21868), (714, 21874), (743, 21922), (769, 22000), (771, 22006), (790, 22060), (801, 22099), (805, 22114), (837, 22198), (879, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 152

Candidate Starts for Turj99_26:

(Start: 152 @20860 has 219 MA's), (Start: 173 @20881 has 4 MA's), (Start: 199 @20923 has 1 MA's), (223, 20968), (320, 21184), (347, 21229), (353, 21238), (367, 21277), (391, 21328), (393, 21331), (491, 21526), (514, 21595), (613, 21796), (614, 21799), (622, 21820), (667, 21916), (668, 21919), (670, 21925), (699, 22012), (701, 22021), (714, 22051), (753, 22147), (764, 22180), (769, 22195), (815, 22336), (837, 22393), (879, 22504),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 162

Candidate Starts for Turuncu_45:

(Start: 162 @30900 has 92 MA's), (Start: 177 @30915 has 46 MA's), (Start: 190 @30936 has 1 MA's), (237, 31014), (295, 31152), (363, 31281), (378, 31311), (395, 31338), (398, 31347), (403, 31362), (461, 31473), (475, 31503), (477, 31506), (501, 31563), (626, 31788), (648, 31827), (666, 31875), (706, 32001), (733, 32037), (766, 32094), (797, 32148), (821, 32223), (880, 32355), (902, 32430), (904, 32442), (908, 32454), (910, 32463), (923, 32499),

Gene: Tuti_24 Start: 17709, Stop: 19289, Start Num: 162

Candidate Starts for Tuti_24:

(87, 17592), (Start: 162 @17709 has 92 MA's), (235, 17793), (265, 17853), (320, 17985), (323, 17988), (355, 18042), (368, 18081), (396, 18138), (403, 18159), (449, 18261), (526, 18330), (534, 18348), (552, 18372), (575, 18393), (603, 18435), (631, 18516), (667, 18606), (700, 18708), (722, 18765), (770, 18855), (880, 19134), (882, 19143), (891, 19173),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 139

Candidate Starts for Tweety_16:

(Start: 139 @14860 has 218 MA's), (207, 14947), (Start: 233 @14992 has 2 MA's), (242, 15016), (282, 15121), (284, 15127), (289, 15145), (300, 15175), (353, 15280), (375, 15340), (384, 15361), (388, 15370), (398, 15394), (493, 15520), (497, 15535), (499, 15541), (512, 15577), (513, 15580), (516, 15592), (520, 15598), (543, 15646), (550, 15658), (554, 15664), (587, 15724), (592, 15736), (606, 15772), (609, 15784), (645, 15859), (648, 15868), (660, 15886), (662, 15892), (670, 15922), (751, 16027), (752, 16036), (753, 16039), (765, 16075), (792, 16153), (820, 16252), (826, 16273), (843, 16306), (858, 16336), (864, 16366), (867, 16375), (869, 16381), (878, 16396), (879, 16399), (883, 16423), (894, 16453), (899, 16465), (904, 16495), (916, 16537),

Gene: Twigg_24 Start: 19629, Stop: 21425, Start Num: 150

Candidate Starts for Twigg_24:

(Start: 150 @19629 has 625 MA's), (230, 19734), (245, 19767), (284, 19866), (320, 19941), (330, 19956), (351, 19992), (381, 20064), (387, 20079), (403, 20118), (411, 20145), (453, 20205), (509, 20343), (513, 20349), (587, 20484), (609, 20541), (610, 20544), (613, 20553), (631, 20595), (640, 20613), (667, 20673), (668, 20676), (699, 20769), (701, 20778), (708, 20802), (752, 20910), (764, 20946), (837, 21156), (876, 21258), (879, 21267), (910, 21381), (916, 21402), (919, 21411),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 162

Candidate Starts for Twinkle_20:

(87, 18844), (Start: 162 @18961 has 92 MA's), (312, 19219), (323, 19240), (355, 19294), (368, 19333), (396, 19390), (403, 19411), (526, 19582), (534, 19600), (552, 19624), (575, 19645), (603, 19687), (631, 19768), (667, 19858), (685, 19909), (700, 19960), (701, 19963), (722, 20017), (770, 20107), (880, 20386), (882, 20395), (891, 20425),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 150

Candidate Starts for Twister_27:

(Start: 150 @19820 has 625 MA's), (Start: 199 @19877 has 1 MA's), (208, 19892), (226, 19925), (237, 19946), (279, 20048), (283, 20060), (284, 20063), (320, 20138), (330, 20153), (353, 20192), (401, 20309), (407, 20327), (445, 20396), (483, 20471), (500, 20510), (514, 20549), (562, 20636), (587, 20681), (613, 20750), (622, 20774), (627, 20786), (631, 20792), (668, 20873), (699, 20966), (701, 20975), (708, 20999), (714, 21005), (719, 21020), (743, 21053), (761, 21104), (766, 21122), (780, 21161), (810, 21260), (837, 21329), (853, 21353), (855, 21359), (877, 21434), (879, 21440), (880, 21449), (897, 21500), (916, 21575),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 105

Candidate Starts for Twister6_33:

(86, 26244), (Start: 105 @26286 has 84 MA's), (Start: 129 @26322 has 1 MA's), (Start: 155 @26355 has 12 MA's), (274, 26565), (275, 26568), (283, 26598), (310, 26664), (320, 26688), (326, 26697), (345, 26730), (410, 26883), (430, 26922), (466, 26973), (470, 26985), (480, 27003), (486, 27015), (490, 27027), (495, 27042), (504, 27072), (505, 27075), (513, 27096), (581, 27168), (603, 27216), (647, 27327), (665, 27360), (676, 27399), (677, 27402), (701, 27474), (740, 27540), (744, 27552), (815, 27723), (819, 27735), (821, 27741), (834, 27774), (852, 27801), (860, 27828), (877, 27882), (908, 27999), (914, 28020), (925, 28047),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 118

Candidate Starts for Twitch_23:

(Start: 118 @17188 has 149 MA's), (Start: 144 @17218 has 125 MA's), (245, 17377), (261, 17410), (274, 17440), (283, 17473), (287, 17485), (325, 17575), (351, 17617), (381, 17689), (385, 17698), (401, 17737), (415, 17782), (424, 17803), (426, 17806), (459, 17860), (467, 17878), (487, 17920), (492, 17926), (500, 17953), (589, 18091), (598, 18109), (609, 18151), (615, 18169), (628, 18199), (643, 18226), (685, 18331), (753, 18490), (765, 18526), (777, 18556), (786, 18565), (815, 18640), (834, 18691), (907, 18886), (917, 18925), (919, 18928), (929, 18946),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 152

Candidate Starts for TwoPeat_28:

(Start: 152 @21384 has 219 MA's), (Start: 173 @21405 has 4 MA's), (Start: 199 @21447 has 1 MA's), (223, 21492), (320, 21708), (347, 21753), (353, 21762), (367, 21801), (391, 21852), (393, 21855), (491, 22050), (514, 22119), (613, 22320), (614, 22323), (622, 22344), (667, 22440), (668, 22443), (670, 22449), (696, 22518), (699, 22536), (701, 22545), (714, 22575), (753, 22671), (764, 22704), (769, 22719), (815, 22860), (837, 22917), (879, 23028),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 175

Candidate Starts for Twonlo_30:

(Start: 175 @27002 has 10 MA's), (189, 27023), (226, 27086), (279, 27209), (283, 27221), (310, 27278), (355, 27356), (405, 27479), (468, 27593), (485, 27623), (500, 27665), (525, 27728), (581, 27776), (585, 27785), (609, 27836), (627, 27884), (695, 28049), (701, 28079), (764, 28187), (765, 28190), (792, 28235), (808, 28292), (810, 28298), (812, 28304), (830, 28352), (834, 28361), (837, 28367), (840, 28370), (864, 28421), (880, 28466), (900, 28535), (913, 28583), (916, 28595),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 105

Candidate Starts for Tycho_34:

(Start: 105 @29613 has 84 MA's), (Start: 129 @29649 has 1 MA's), (220, 29778), (226, 29787), (239, 29811), (272, 29883), (275, 29892), (296, 29961), (320, 30012), (347, 30057), (355, 30072), (361, 30090), (391, 30153), (407, 30198), (410, 30207), (480, 30327), (487, 30342), (490, 30351), (495, 30366), (504, 30396), (631, 30618), (641, 30636), (647, 30651), (667, 30693), (668, 30696), (676, 30723), (723, 30843), (766, 30936), (815, 31047), (816, 31050), (834, 31098), (852, 31125), (860, 31152), (877, 31206), (883, 31233),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for TygerBlood_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 85

Candidate Starts for Typha_24:

(Start: 85 @19608 has 5 MA's), (107, 19656), (114, 19665), (Start: 147 @19704 has 1 MA's), (Start: 181 @19734 has 32 MA's), (187, 19746), (208, 19782), (223, 19812), (230, 19821), (237, 19836), (261, 19887), (263, 19890), (297, 19989), (363, 20130), (387, 20181), (391, 20187), (405, 20226), (424, 20280), (467, 20349), (487, 20391), (501, 20427), (504, 20436), (545, 20514), (552, 20523), (570, 20553), (587, 20586), (589, 20589), (609, 20649), (617, 20673), (622, 20682), (659, 20751), (695, 20856), (696, 20859), (701, 20886), (796, 21069), (894, 21324), (917, 21414), (919, 21417), (921, 21420),

Gene: Typhonomachy_18 Start: 15732, Stop: 17429, Start Num: 150

Candidate Starts for Typhonomachy_18:

(Start: 140 @15729 has 9 MA's), (Start: 150 @15732 has 625 MA's), (274, 15942), (320, 16065), (351, 16116), (387, 16203), (393, 16212), (400, 16233), (405, 16248), (409, 16260), (458, 16338), (462, 16350), (476, 16377), (490, 16410), (500, 16443), (504, 16455), (520, 16497), (606, 16620), (633, 16692), (668, 16770), (673, 16785), (678, 16803), (699, 16860), (753, 16953), (765, 16989), (769, 17001), (771, 17007), (777, 17019), (786, 17028), (814, 17100), (815, 17103), (817, 17109), (821, 17121), (852, 17181), (864, 17226), (867, 17235), (879, 17268), (899, 17334),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 152

Candidate Starts for U2_27:

(Start: 152 @21239 has 219 MA's), (Start: 173 @21260 has 4 MA's), (Start: 199 @21302 has 1 MA's), (223, 21347), (320, 21563), (347, 21608), (353, 21617), (391, 21707), (393, 21710), (430, 21803), (491, 21905), (514, 21974), (613, 22175), (614, 22178), (622, 22199), (667, 22295), (668, 22298), (670, 22304), (696, 22373), (699, 22391), (701, 22400), (714, 22430), (753, 22526), (764, 22559), (769, 22574), (815, 22715), (837, 22772), (879, 22883),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Ubuntu_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 150

Candidate Starts for Ugenie5_27:

(Start: 148 @21779 has 18 MA's), (Start: 150 @21782 has 625 MA's), (283, 22016), (284, 22019), (319, 22091), (320, 22094), (330, 22109), (353, 22148), (355, 22154), (401, 22265), (445, 22352), (487, 22433), (491, 22436), (580, 22622), (608, 22685), (614, 22709), (616, 22715), (631, 22748),

(668, 22829), (708, 22955), (726, 22997), (753, 23057), (764, 23090), (769, 23105), (801, 23204), (802, 23207), (805, 23219), (837, 23303), (864, 23369), (877, 23408), (879, 23414), (890, 23459), (907, 23516), (908, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 181

Candidate Starts for UhSalsa_23:

(Start: 181 @16349 has 32 MA's), (220, 16418), (241, 16454), (273, 16526), (320, 16640), (383, 16769), (401, 16811), (407, 16829), (410, 16838), (Start: 417 @16862 has 1 MA's), (430, 16880), (455, 16904), (458, 16910), (465, 16925), (466, 16928), (491, 16976), (608, 17177), (614, 17201), (667, 17315), (696, 17393), (704, 17432), (708, 17444), (743, 17474), (769, 17552), (831, 17699), (871, 17798), (877, 17813), (923, 17966),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 144

Candidate Starts for Ukulele_24:

(Start: 144 @19504 has 125 MA's), (Start: 205 @19588 has 48 MA's), (Start: 244 @19666 has 1 MA's), (279, 19753), (284, 19768), (300, 19816), (317, 19855), (359, 19942), (372, 19975), (388, 20011), (400, 20041), (402, 20047), (437, 20116), (495, 20146), (498, 20158), (499, 20161), (520, 20218), (589, 20350), (591, 20356), (614, 20422), (616, 20428), (625, 20452), (648, 20500), (662, 20524), (664, 20533), (688, 20608), (752, 20659), (758, 20674), (809, 20836), (817, 20863), (826, 20893), (868, 20998), (897, 21076), (904, 21112), (907, 21121), (916, 21154), (923, 21169),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 150

Candidate Starts for Ulysses_26:

(Start: 130 @19524 has 8 MA's), (Start: 150 @19548 has 625 MA's), (Start: 199 @19605 has 1 MA's), (230, 19659), (237, 19674), (245, 19692), (279, 19776), (283, 19788), (284, 19791), (320, 19866), (330, 19881), (353, 19920), (401, 20037), (445, 20124), (487, 20205), (505, 20253), (514, 20277), (562, 20364), (587, 20409), (614, 20481), (622, 20502), (631, 20520), (668, 20601), (699, 20694), (701, 20703), (708, 20727), (714, 20733), (722, 20757), (753, 20811), (761, 20832), (778, 20883), (787, 20907), (802, 20961), (837, 21057), (877, 21162), (880, 21177), (911, 21285), (916, 21303),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 177

Candidate Starts for UmaThurman_19:

(Start: 141 @16742 has 4 MA's), (Start: 177 @16778 has 46 MA's), (237, 16880), (271, 16952), (273, 16958), (274, 16961), (316, 17057), (338, 17096), (377, 17177), (400, 17231), (405, 17246), (459, 17342), (495, 17417), (504, 17447), (617, 17630), (627, 17654), (687, 17798), (695, 17810), (713, 17870), (765, 18002), (766, 18005), (810, 18104), (817, 18122), (837, 18173), (868, 18239), (889, 18302), (894, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 139

Candidate Starts for UncleRicky_17:

(Start: 139 @14628 has 218 MA's), (207, 14715), (Start: 233 @14760 has 2 MA's), (242, 14784), (266, 14841), (282, 14889), (284, 14895), (289, 14913), (300, 14943), (353, 15048), (371, 15102), (375, 15108), (379, 15117), (384, 15129), (388, 15138), (398, 15162), (410, 15198), (411, 15204), (415, 15216), (425, 15237), (427, 15240), (441, 15249), (467, 15264), (474, 15270), (493, 15288), (497, 15303), (499, 15309), (505, 15327), (506, 15330), (512, 15345), (516, 15360), (520, 15366), (534, 15396), (543, 15414), (550, 15426), (554, 15432), (587, 15492), (592, 15504), (606, 15540), (609, 15552), (616, 15573), (645, 15627), (648, 15636), (662, 15660), (670, 15690), (751, 15795), (753, 15807), (765, 15843), (779, 15882), (792, 15921), (820, 16020), (826, 16041), (843, 16074), (858, 16104), (864, 16134), (867, 16143), (869, 16149), (878, 16164), (879, 16167), (882, 16188), (883, 16191), (899, 16233), (904, 16263), (916, 16305), (917, 16311),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 118

Candidate Starts for Unicorn_22:

(Start: 112 @16363 has 26 MA's), (Start: 118 @16372 has 149 MA's), (Start: 144 @16402 has 125 MA's), (237, 16543), (245, 16561), (261, 16594), (274, 16624), (287, 16669), (325, 16759), (347, 16795), (385, 16882), (419, 16975), (424, 16987), (426, 16990), (433, 17008), (449, 17029), (459, 17044), (465, 17056), (467, 17062), (487, 17104), (492, 17110), (598, 17293), (615, 17353), (660, 17437), (665, 17455), (685, 17515), (707, 17590), (719, 17614), (753, 17674), (764, 17707), (765, 17710), (771, 17728), (786, 17749), (815, 17824), (834, 17875), (849, 17902), (880, 17974), (897, 18025), (917, 18109), (919, 18112), (929, 18130),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 150

Candidate Starts for UnionJack_24:

(Start: 150 @18683 has 625 MA's), (230, 18788), (284, 18920), (300, 18956), (320, 18995), (330, 19010), (351, 19046), (381, 19118), (387, 19133), (401, 19166), (403, 19172), (500, 19367), (509, 19397), (513, 19403), (536, 19454), (587, 19538), (613, 19607), (631, 19649), (640, 19667), (667, 19727), (668, 19730), (696, 19805), (699, 19823), (752, 19964), (764, 20000), (876, 20315), (879, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 150

Candidate Starts for Updawg_30:

(Start: 130 @20632 has 8 MA's), (Start: 150 @20656 has 625 MA's), (Start: 244 @20791 has 1 MA's), (283, 20890), (284, 20893), (319, 20965), (320, 20968), (353, 21022), (355, 21028), (381, 21091), (401, 21139), (411, 21172), (445, 21226), (487, 21307), (491, 21310), (500, 21340), (580, 21496), (614, 21583), (668, 21703), (707, 21826), (708, 21829), (714, 21835), (743, 21883), (764, 21946), (769, 21961), (771, 21967), (790, 22021), (801, 22060), (805, 22075), (817, 22108), (834, 22153), (877, 22264), (879, 22270), (894, 22324),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 163

Candidate Starts for Upyo_18:

(Start: 104 @14867 has 1 MA's), (Start: 163 @14948 has 16 MA's), (Start: 175 @14957 has 10 MA's), (223, 15041), (242, 15074), (284, 15182), (300, 15221), (332, 15272), (349, 15305), (389, 15395), (401, 15425), (445, 15512), (489, 15590), (491, 15593), (515, 15665), (532, 15698), (587, 15749), (606, 15785), (613, 15809), (642, 15869), (667, 15923), (668, 15926), (680, 15968), (687, 15986), (695, 15998), (757, 16112), (777, 16169), (792, 16184), (908, 16502), (923, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 118

Candidate Starts for Urkel_23:

(Start: 118 @17102 has 149 MA's), (Start: 144 @17132 has 125 MA's), (245, 17291), (261, 17324), (274, 17354), (283, 17387), (287, 17399), (325, 17489), (351, 17531), (381, 17603), (385, 17612), (401, 17651), (415, 17696), (426, 17720), (467, 17792), (487, 17834), (492, 17840), (500, 17867), (589, 18005), (598, 18023), (609, 18065), (628, 18113), (643, 18140), (685, 18245), (716, 18335), (765, 18440), (777, 18470), (786, 18479), (815, 18554), (834, 18605), (907, 18800), (917, 18839), (919, 18842), (929, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 177

Candidate Starts for Utz_19:

(Start: 141 @16609 has 4 MA's), (Start: 177 @16645 has 46 MA's), (237, 16747), (273, 16825), (274, 16828), (316, 16924), (338, 16963), (377, 17044), (400, 17098), (405, 17113), (495, 17284), (504, 17314), (617, 17497), (627, 17521), (628, 17524), (655, 17572), (687, 17665), (695, 17677), (705, 17722), (713, 17737), (765, 17869), (766, 17872), (810, 17971), (817, 17989), (837, 18040), (868, 18106), (889, 18169), (894, 18181),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 150

Candidate Starts for VA6_28:

(102, 20138), (Start: 130 @20180 has 8 MA's), (Start: 150 @20204 has 625 MA's), (283, 20438), (284, 20441), (319, 20513), (320, 20516), (330, 20531), (353, 20570), (355, 20576), (401, 20687), (407, 20705), (411, 20720), (445, 20774), (487, 20855), (491, 20858), (562, 21014), (580, 21044), (616, 21137), (668, 21251), (708, 21377), (764, 21512), (769, 21527), (778, 21551), (801, 21626), (802, 21629), (805, 21641), (837, 21725), (868, 21803), (877, 21830), (879, 21836), (890, 21881), (894, 21890), (916, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 150

Candidate Starts for VC3_31:

(102, 20126), (Start: 130 @20168 has 8 MA's), (Start: 150 @20192 has 625 MA's), (283, 20426), (284, 20429), (319, 20501), (320, 20504), (330, 20519), (353, 20558), (355, 20564), (401, 20675), (407, 20693), (411, 20708), (445, 20762), (487, 20843), (491, 20846), (562, 21002), (580, 21032), (616, 21125), (668, 21239), (708, 21365), (764, 21500), (769, 21515), (778, 21539), (801, 21614), (802, 21617), (805, 21629), (837, 21713), (868, 21791), (877, 21818), (879, 21824), (890, 21869), (894, 21878), (916, 21959),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 139

Candidate Starts for VRedHorse_16:

(Start: 139 @14970 has 218 MA's), (207, 15057), (Start: 233 @15102 has 2 MA's), (242, 15126), (266, 15183), (282, 15231), (284, 15237), (289, 15255), (300, 15285), (353, 15390), (375, 15450), (379, 15459), (388, 15480), (398, 15504), (411, 15546), (425, 15579), (441, 15591), (467, 15606), (493, 15630), (497, 15645), (499, 15651), (512, 15687), (516, 15702), (520, 15708), (525, 15717), (543, 15756), (550, 15768), (554, 15774), (587, 15834), (606, 15882), (609, 15894), (616, 15915), (645, 15969), (648, 15978), (660, 15996), (662, 16002), (670, 16032), (751, 16137), (753, 16149), (765, 16185), (779, 16224), (792, 16263), (820, 16362), (826, 16383), (843, 16416), (858, 16446), (864, 16476), (866, 16482), (867, 16485), (869, 16491), (878, 16506), (879, 16509), (882, 16530), (899, 16575), (904, 16605), (916, 16647), (917, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 121

Candidate Starts for Vagabond_56:

(Start: 115 @33296 has 20 MA's), (Start: 121 @33305 has 44 MA's), (191, 33395), (248, 33512), (266, 33548), (275, 33569), (282, 33596), (284, 33602), (294, 33632), (302, 33656), (327, 33707), (388, 33845), (392, 33851), (409, 33902), (410, 33905), (415, 33923), (493, 33974), (499, 33995), (500, 33998), (516, 34046), (520, 34052), (543, 34100), (544, 34106), (550, 34112), (573, 34172), (587, 34196), (589, 34199), (606, 34244), (610, 34259), (613, 34268), (616, 34277), (634, 34322), (648, 34340), (664, 34373), (753, 34511), (761, 34532), (782, 34598), (793, 34628), (807, 34682), (820, 34724), (826, 34745), (836, 34766), (843, 34778), (855, 34799), (869, 34853), (897, 34931), (904, 34967), (910, 34988), (917, 35015),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 105

Candidate Starts for Valary_34:

(86, 26753), (Start: 105 @26795 has 84 MA's), (Start: 129 @26831 has 1 MA's), (Start: 155 @26864 has 12 MA's), (274, 27074), (275, 27077), (283, 27107), (310, 27173), (320, 27197), (326, 27206), (345, 27239), (410, 27392), (430, 27431), (466, 27482), (470, 27494), (480, 27512), (486, 27524), (490, 27536), (495, 27551), (504, 27581), (505, 27584), (513, 27605), (581, 27677), (631, 27803), (647, 27836), (665, 27869), (676, 27908), (677, 27911), (701, 27983), (740, 28049), (744, 28061), (815, 28232), (819, 28244), (821, 28250), (834, 28283), (852, 28310), (860, 28337), (877, 28391), (908, 28508), (914, 28529), (925, 28556),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 118

Candidate Starts for Validus_23:

(Start: 118 @16448 has 149 MA's), (Start: 144 @16478 has 125 MA's), (230, 16604), (237, 16619), (245, 16637), (261, 16670), (287, 16745), (294, 16763), (325, 16835), (347, 16871), (381, 16949),

(385, 16958), (419, 17051), (424, 17063), (426, 17066), (465, 17132), (467, 17138), (483, 17174), (487, 17180), (492, 17186), (500, 17213), (589, 17351), (598, 17369), (615, 17429), (628, 17459), (643, 17486), (662, 17519), (685, 17591), (701, 17645), (722, 17699), (724, 17705), (753, 17750), (764, 17783), (766, 17789), (777, 17816), (786, 17825), (815, 17900), (834, 17951), (884, 18065), (907, 18146), (917, 18185), (919, 18188), (929, 18206),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 105

Candidate Starts for VanDeWege_34:

(86, 26580), (Start: 105 @26622 has 84 MA's), (Start: 129 @26658 has 1 MA's), (Start: 155 @26691 has 12 MA's), (274, 26901), (275, 26904), (283, 26934), (320, 27024), (326, 27033), (345, 27066), (394, 27171), (410, 27219), (430, 27258), (466, 27309), (480, 27339), (486, 27351), (490, 27363), (495, 27378), (504, 27408), (505, 27411), (513, 27432), (581, 27504), (603, 27552), (647, 27663), (665, 27696), (677, 27738), (701, 27810), (740, 27876), (815, 28059), (816, 28062), (834, 28110), (852, 28137), (860, 28164), (877, 28218), (908, 28335), (914, 28356), (925, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 161

Candidate Starts for VanLee_20:

(Start: 148 @16431 has 18 MA's), (Start: 161 @16446 has 5 MA's), (188, 16482), (217, 16533), (298, 16716), (320, 16761), (387, 16896), (458, 17031), (466, 17049), (509, 17157), (512, 17160), (585, 17244), (609, 17304), (660, 17409), (668, 17439), (695, 17514), (696, 17517), (746, 17604), (753, 17628), (765, 17664), (801, 17736), (815, 17778), (819, 17790), (841, 17844), (860, 17886), (877, 17940), (898, 18009), (910, 18063), (913, 18072), (925, 18102),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for Vanisoa_27:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (226, 19705), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (330, 19933), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (514, 20329), (563, 20422), (614, 20533), (631, 20572), (660, 20623), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (877, 21232), (879, 21238), (890, 21283),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 165

Candidate Starts for Vasanti_17:

(79, 14569), (87, 14584), (Start: 165 @14704 has 39 MA's), (194, 14746), (239, 14821), (271, 14893), (272, 14896), (330, 15025), (368, 15106), (403, 15184), (404, 15187), (419, 15232), (495, 15373), (524, 15454), (546, 15490), (568, 15514), (579, 15526), (603, 15562), (648, 15679), (663, 15712), (668, 15736), (696, 15808), (700, 15832), (701, 15835), (810, 16066), (816, 16081), (867, 16216), (868, 16219), (882, 16267), (891, 16297),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 118

Candidate Starts for Veliki_23:

(Start: 118 @17191 has 149 MA's), (Start: 144 @17221 has 125 MA's), (245, 17380), (261, 17413), (274, 17443), (283, 17476), (287, 17488), (325, 17578), (351, 17620), (381, 17692), (385, 17701), (401, 17740), (415, 17785), (424, 17806), (426, 17809), (459, 17863), (467, 17881), (487, 17923), (492, 17929), (500, 17956), (589, 18094), (598, 18112), (609, 18154), (615, 18172), (628, 18202), (643, 18229), (685, 18334), (753, 18493), (765, 18529), (777, 18559), (786, 18568), (815, 18643), (834, 18694), (880, 18793), (907, 18889), (917, 18928), (919, 18931), (929, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 139

Candidate Starts for Velveteen_17:

(Start: 139 @14635 has 218 MA's), (207, 14722), (Start: 233 @14767 has 2 MA's), (242, 14791), (282, 14896), (284, 14902), (289, 14920), (300, 14950), (353, 15055), (375, 15115), (384, 15136), (388,

15145), (398, 15169), (425, 15244), (427, 15247), (493, 15295), (497, 15310), (499, 15316), (512, 15352), (513, 15355), (516, 15367), (520, 15373), (543, 15421), (550, 15433), (554, 15439), (587, 15499), (592, 15511), (606, 15547), (609, 15559), (645, 15634), (648, 15643), (660, 15661), (662, 15667), (670, 15697), (751, 15802), (752, 15811), (753, 15814), (765, 15850), (792, 15928), (820, 16027), (826, 16048), (843, 16081), (858, 16111), (864, 16141), (867, 16150), (869, 16156), (878, 16171), (879, 16174), (883, 16198), (894, 16228), (899, 16240), (904, 16270), (916, 16312),

Gene: Vendetta_22 Start: 16480, Stop: 17808, Start Num: 267

Candidate Starts for Vendetta_22:

(Start: 267 @16480 has 11 MA's), (276, 16495), (350, 16639), (367, 16684), (387, 16729), (398, 16753), (408, 16783), (414, 16804), (Start: 417 @16813 has 1 MA's), (429, 16837), (432, 16846), (465, 16897), (472, 16909), (583, 17002), (588, 17011), (600, 17020), (614, 17065), (623, 17083), (667, 17176), (681, 17221), (703, 17290), (717, 17311), (766, 17392), (785, 17425), (821, 17512), (837, 17548), (847, 17563), (851, 17572), (868, 17614), (880, 17653), (898, 17707), (901, 17725), (916, 17782), (920, 17791),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Venti_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 150

Candidate Starts for Veracruz_27:

(Start: 150 @20455 has 625 MA's), (Start: 199 @20515 has 1 MA's), (237, 20584), (279, 20686), (283, 20698), (284, 20701), (320, 20776), (330, 20791), (353, 20830), (407, 20965), (445, 21034), (500, 21148), (562, 21274), (613, 21388), (622, 21412), (627, 21424), (631, 21430), (668, 21511), (696, 21586), (699, 21604), (701, 21613), (708, 21637), (714, 21643), (719, 21658), (734, 21691), (752, 21736), (753, 21739), (761, 21760), (802, 21889), (837, 21985), (877, 22090), (879, 22096), (916, 22231),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 172

Candidate Starts for Verity_34:

(Start: 125 @30887 has 1 MA's), (Start: 172 @30944 has 18 MA's), (189, 30965), (226, 31028), (259, 31091), (279, 31151), (283, 31163), (325, 31250), (355, 31301), (365, 31331), (401, 31412), (410, 31439), (468, 31538), (485, 31568), (489, 31577), (501, 31613), (525, 31673), (581, 31721), (585, 31730), (627, 31829), (650, 31868), (660, 31880), (704, 32036), (708, 32048), (721, 32075), (764, 32132), (785, 32171), (792, 32180), (808, 32237), (812, 32249), (830, 32297), (834, 32306), (837, 32312), (850, 32333), (880, 32411), (919, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 139

Candidate Starts for Veteran_16:

(Start: 139 @14805 has 218 MA's), (207, 14892), (Start: 233 @14937 has 2 MA's), (242, 14961), (282, 15066), (284, 15072), (289, 15090), (300, 15120), (353, 15225), (371, 15279), (375, 15285), (379, 15294), (384, 15306), (388, 15315), (398, 15339), (410, 15375), (411, 15381), (415, 15393), (425, 15414), (427, 15417), (441, 15426), (467, 15441), (474, 15447), (493, 15465), (497, 15480), (499, 15486), (505, 15504), (506, 15507), (512, 15522), (516, 15537), (520, 15543), (534, 15573), (543, 15591), (550, 15603), (554, 15609), (587, 15669), (592, 15681), (606, 15717), (609, 15729), (616, 15750), (645, 15804), (648, 15813), (662, 15837), (670, 15867), (751, 15972), (753, 15984), (765,

16020), (779, 16059), (792, 16098), (820, 16197), (826, 16218), (843, 16251), (858, 16281), (864, 16311), (867, 16320), (869, 16326), (878, 16341), (879, 16344), (882, 16365), (883, 16368), (899, 16410), (904, 16440), (916, 16482), (917, 16488),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 172

Candidate Starts for ViaConlectus_35:

(Start: 172 @29390 has 18 MA's), (189, 29411), (197, 29423), (226, 29474), (245, 29513), (259, 29537), (283, 29609), (325, 29696), (355, 29747), (365, 29777), (414, 29900), (468, 29984), (485, 30014), (489, 30023), (500, 30056), (501, 30059), (525, 30119), (581, 30167), (585, 30176), (627, 30275), (650, 30314), (660, 30326), (704, 30482), (721, 30521), (765, 30581), (766, 30584), (777, 30611), (792, 30626), (808, 30683), (812, 30695), (830, 30743), (834, 30752), (837, 30758), (850, 30779), (864, 30812), (877, 30842), (880, 30857), (897, 30908), (916, 30986), (919, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Vidya_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 150

Candidate Starts for Vine_19:

(Start: 140 @16427 has 9 MA's), (Start: 150 @16430 has 625 MA's), (222, 16529), (245, 16571), (351, 16811), (387, 16898), (397, 16919), (400, 16928), (409, 16955), (430, 17000), (458, 17033), (465, 17048), (476, 17072), (490, 17105), (500, 17138), (504, 17150), (528, 17207), (580, 17255), (594, 17285), (606, 17315), (610, 17330), (627, 17378), (657, 17429), (668, 17465), (673, 17480), (678, 17498), (699, 17555), (701, 17564), (765, 17684), (769, 17696), (798, 17744), (814, 17795), (815, 17798), (821, 17816), (858, 17894), (864, 17921), (879, 17963), (919, 18110), (923, 18116),

Gene: Violac_17 Start: 15353, Stop: 17062, Start Num: 139

Candidate Starts for Violac_17:

(Start: 139 @15353 has 218 MA's), (207, 15440), (218, 15461), (Start: 233 @15485 has 2 MA's), (242, 15509), (248, 15530), (282, 15614), (284, 15620), (289, 15638), (300, 15668), (353, 15773), (371, 15827), (375, 15833), (382, 15851), (384, 15854), (388, 15863), (398, 15887), (425, 15962), (441, 15974), (467, 15989), (474, 15995), (493, 16013), (497, 16028), (499, 16034), (506, 16055), (512, 16070), (516, 16085), (520, 16091), (543, 16139), (550, 16151), (554, 16157), (587, 16217), (592, 16229), (606, 16265), (609, 16277), (616, 16298), (645, 16352), (648, 16361), (660, 16379), (662, 16385), (670, 16415), (751, 16520), (753, 16532), (765, 16568), (778, 16604), (779, 16607), (792, 16646), (800, 16676), (820, 16745), (826, 16766), (843, 16799), (858, 16829), (864, 16859), (866, 16865), (867, 16868), (869, 16874), (878, 16889), (879, 16892), (882, 16913), (883, 16916), (899, 16958), (916, 17030), (917, 17036),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 152

Candidate Starts for Violet_26:

(Start: 152 @21646 has 219 MA's), (Start: 173 @21667 has 4 MA's), (Start: 199 @21709 has 1 MA's), (223, 21754), (320, 21970), (347, 22015), (353, 22024), (367, 22063), (391, 22114), (393, 22117), (491, 22312), (514, 22381), (613, 22582), (614, 22585), (622, 22606), (667, 22702), (668, 22705), (670, 22711), (696, 22780), (699, 22798), (701, 22807), (714, 22837), (753, 22933), (764, 22966), (769, 22981), (815, 23122), (837, 23179), (879, 23290), (925, 23443),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 105

Candidate Starts for Vivi2_37:

(97, 31469), (Start: 105 @31487 has 84 MA's), (Start: 129 @31523 has 1 MA's), (226, 31661), (272, 31757), (275, 31766), (296, 31835), (320, 31886), (347, 31931), (355, 31946), (391, 32027), (407, 32072), (410, 32081), (466, 32171), (480, 32201), (487, 32216), (495, 32240), (504, 32270), (585, 32375), (631, 32492), (641, 32510), (647, 32525), (664, 32555), (667, 32567), (668, 32570), (676, 32597), (814, 32918), (815, 32921), (816, 32924), (834, 32972), (852, 32999), (860, 33026), (877, 33080), (882, 33104), (883, 33107), (908, 33197), (925, 33245),

Gene: ViviJ_20 Start: 17352, Stop: 19124, Start Num: 121

Candidate Starts for ViviJ_20:

(Start: 121 @17352 has 44 MA's), (Start: 127 @17358 has 1 MA's), (Start: 147 @17382 has 1 MA's), (Start: 181 @17415 has 32 MA's), (208, 17463), (237, 17517), (261, 17568), (283, 17631), (330, 17739), (381, 17847), (424, 17961), (426, 17964), (449, 18003), (459, 18018), (465, 18030), (467, 18036), (483, 18072), (487, 18078), (492, 18084), (504, 18123), (513, 18147), (589, 18249), (610, 18312), (685, 18492), (719, 18591), (757, 18669), (764, 18693), (766, 18699), (785, 18732), (815, 18810), (817, 18816), (882, 18969), (912, 19074), (913, 19077), (917, 19095),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 139

Candidate Starts for Vivum_16:

(Start: 139 @14751 has 218 MA's), (207, 14838), (Start: 233 @14883 has 2 MA's), (242, 14907), (282, 15012), (284, 15018), (289, 15036), (300, 15066), (353, 15171), (375, 15231), (382, 15249), (384, 15252), (388, 15261), (398, 15285), (493, 15411), (497, 15426), (499, 15432), (512, 15468), (513, 15471), (516, 15483), (520, 15489), (543, 15537), (550, 15549), (554, 15555), (587, 15615), (592, 15627), (606, 15663), (609, 15675), (645, 15750), (648, 15759), (660, 15777), (662, 15783), (670, 15813), (751, 15918), (753, 15930), (765, 15966), (792, 16044), (826, 16164), (843, 16197), (858, 16227), (860, 16239), (864, 16257), (866, 16263), (867, 16266), (869, 16272), (878, 16287), (879, 16290), (882, 16311), (883, 16314), (899, 16356), (904, 16386), (916, 16428), (917, 16434),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 150

Candidate Starts for Vix_29:

(Start: 150 @20461 has 625 MA's), (Start: 199 @20518 has 1 MA's), (208, 20533), (226, 20566), (237, 20587), (Start: 244 @20602 has 1 MA's), (279, 20689), (283, 20701), (284, 20704), (320, 20779), (330, 20794), (351, 20830), (445, 21037), (500, 21151), (514, 21190), (562, 21277), (613, 21391), (622, 21415), (631, 21433), (668, 21514), (696, 21589), (699, 21607), (708, 21640), (714, 21646), (727, 21685), (752, 21739), (753, 21742), (761, 21763), (780, 21820), (837, 21988), (877, 22093), (879, 22099), (916, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 150

Candidate Starts for VohminGhazi_31:

(102, 19910), (Start: 130 @19952 has 8 MA's), (Start: 150 @19976 has 625 MA's), (273, 20174), (284, 20213), (319, 20285), (320, 20288), (332, 20306), (353, 20342), (355, 20348), (401, 20459), (403, 20465), (415, 20504), (445, 20546), (467, 20585), (487, 20627), (491, 20630), (509, 20690), (624, 20927), (631, 20942), (668, 21023), (714, 21155), (769, 21281), (788, 21332), (790, 21341), (801, 21380), (802, 21383), (805, 21395), (837, 21479), (877, 21584), (879, 21590), (916, 21725),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 142

Candidate Starts for Volt_55:

(62, 28702), (63, 28711), (64, 28717), (93, 28819), (109, 28849), (Start: 142 @28894 has 6 MA's), (241, 29035), (300, 29194), (330, 29248), (401, 29404), (457, 29503), (480, 29551), (500, 29608), (505, 29623), (580, 29713), (638, 29851), (667, 29914), (699, 30010), (734, 30061), (736, 30064), (742, 30076), (769, 30151), (775, 30166), (814, 30250), (852, 30331), (884, 30442), (914, 30547), (919, 30565),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 186

Candidate Starts for Vordorf_22:

(72, 18182), (95, 18242), (158, 18335), (Start: 186 @18371 has 2 MA's), (Start: 193 @18383 has 3 MA's), (247, 18497), (248, 18503), (280, 18581), (302, 18647), (304, 18653), (358, 18764), (360, 18773), (370, 18800), (374, 18806), (376, 18809), (385, 18830), (497, 19001), (498, 19004), (523, 19070), (531, 19085), (566, 19169), (579, 19178), (601, 19220), (606, 19241), (622, 19289), (626, 19301), (636, 19328), (668, 19397), (693, 19466), (751, 19499), (768, 19556), (788, 19607), (806, 19676), (823, 19727), (839, 19763), (846, 19778), (865, 19835), (868, 19844), (882, 19883), (895, 19922), (898, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 121

Candidate Starts for Vorrps_56:

(Start: 115 @33508 has 20 MA's), (Start: 121 @33517 has 44 MA's), (191, 33607), (248, 33724), (266, 33760), (275, 33781), (282, 33808), (284, 33814), (294, 33844), (302, 33868), (327, 33919), (388, 34057), (392, 34063), (409, 34114), (410, 34117), (415, 34135), (493, 34186), (499, 34207), (500, 34210), (516, 34258), (520, 34264), (543, 34312), (544, 34318), (550, 34324), (573, 34384), (587, 34408), (589, 34411), (606, 34456), (610, 34471), (613, 34480), (616, 34489), (634, 34534), (648, 34552), (664, 34585), (753, 34723), (761, 34744), (782, 34810), (793, 34840), (807, 34894), (820, 34936), (826, 34957), (836, 34978), (843, 34990), (855, 35011), (869, 35065), (897, 35143), (904, 35179), (910, 35200), (917, 35227),

Gene: WST1_18 Start: 14319, Stop: 16085, Start Num: 116

Candidate Starts for WST1_18:

(Start: 116 @14319 has 3 MA's), (Start: 177 @14391 has 46 MA's), (222, 14472), (237, 14496), (255, 14538), (310, 14640), (320, 14664), (332, 14682), (391, 14817), (405, 14856), (452, 14961), (466, 14991), (488, 15039), (609, 15255), (667, 15387), (699, 15483), (718, 15534), (769, 15660), (771, 15666), (814, 15759), (815, 15762), (875, 15909), (879, 15924), (914, 16053), (916, 16062),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 139

Candidate Starts for Wachhund_16:

(Start: 139 @14831 has 218 MA's), (207, 14918), (Start: 233 @14963 has 2 MA's), (242, 14987), (282, 15092), (284, 15098), (289, 15116), (300, 15146), (353, 15251), (375, 15311), (384, 15332), (388, 15341), (398, 15365), (493, 15491), (497, 15506), (499, 15512), (512, 15548), (513, 15551), (516, 15563), (520, 15569), (543, 15617), (550, 15629), (554, 15635), (587, 15695), (592, 15707), (606, 15743), (609, 15755), (645, 15830), (648, 15839), (660, 15857), (662, 15863), (670, 15893), (751, 15998), (752, 16007), (753, 16010), (765, 16046), (792, 16124), (820, 16223), (826, 16244), (843, 16277), (858, 16307), (864, 16337), (867, 16346), (869, 16352), (878, 16367), (879, 16370), (883, 16394), (894, 16424), (899, 16436), (904, 16466), (916, 16508),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 150

Candidate Starts for Waits_30:

(102, 18997), (Start: 130 @19039 has 8 MA's), (Start: 150 @19063 has 625 MA's), (245, 19201), (272, 19258), (284, 19300), (300, 19336), (320, 19375), (357, 19444), (367, 19468), (393, 19522), (467, 19672), (491, 19717), (500, 19747), (513, 19783), (536, 19834), (561, 19870), (587, 19918), (610, 19978), (667, 20107), (696, 20185), (769, 20386), (771, 20392), (802, 20488), (866, 20653), (897, 20752),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 177

Candidate Starts for Walrus_20:

(Start: 141 @16837 has 4 MA's), (Start: 177 @16873 has 46 MA's), (237, 16975), (273, 17053), (274, 17056), (316, 17152), (338, 17191), (377, 17272), (400, 17326), (405, 17341), (459, 17437), (495, 17512), (504, 17542), (617, 17725), (627, 17749), (655, 17800), (687, 17893), (695, 17905), (705,

17950), (713, 17965), (765, 18097), (766, 18100), (810, 18199), (817, 18217), (837, 18268), (866, 18328), (868, 18334), (889, 18397), (894, 18409),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 150

Candidate Starts for WalterMcMickey_27:

(Start: 150 @19820 has 625 MA's), (Start: 199 @19877 has 1 MA's), (208, 19892), (226, 19925), (237, 19946), (279, 20048), (283, 20060), (284, 20063), (320, 20138), (330, 20153), (353, 20192), (401, 20309), (407, 20327), (445, 20396), (483, 20471), (500, 20510), (514, 20549), (562, 20636), (587, 20681), (613, 20750), (622, 20774), (627, 20786), (631, 20792), (668, 20873), (699, 20966), (701, 20975), (708, 20999), (714, 21005), (719, 21020), (743, 21053), (761, 21104), (766, 21122), (780, 21161), (810, 21260), (837, 21329), (853, 21353), (855, 21359), (877, 21434), (879, 21440), (880, 21449), (897, 21500), (916, 21575),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 138

Candidate Starts for Wanda_37:

(Start: 138 @26916 has 76 MA's), (Start: 205 @27006 has 48 MA's), (230, 27054), (242, 27084), (255, 27111), (292, 27213), (301, 27243), (322, 27294), (347, 27342), (360, 27378), (362, 27384), (372, 27405), (402, 27477), (405, 27486), (411, 27507), (499, 27615), (500, 27618), (505, 27633), (520, 27672), (543, 27720), (550, 27732), (554, 27738), (572, 27786), (577, 27795), (589, 27816), (597, 27834), (612, 27882), (660, 27984), (680, 28056), (698, 28101), (700, 28113), (710, 28248), (711, 28254), (712, 28278), (739, 28350), (750, 28377), (828, 28626),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Wander_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Warrior24_30 Start: 19067, Stop: 20854, Start Num: 150

Candidate Starts for Warrior24_30:

(102, 19001), (Start: 130 @19043 has 8 MA's), (Start: 150 @19067 has 625 MA's), (245, 19205), (272, 19262), (284, 19304), (300, 19340), (320, 19379), (357, 19448), (367, 19472), (393, 19526), (467, 19676), (491, 19721), (500, 19751), (513, 19787), (536, 19838), (561, 19874), (587, 19922), (610, 19982), (667, 20111), (696, 20189), (769, 20390), (771, 20396), (802, 20492), (866, 20657), (897, 20756),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 121

Candidate Starts for Waterfoul_21:

(Start: 121 @17516 has 44 MA's), (Start: 127 @17522 has 1 MA's), (Start: 147 @17546 has 1 MA's), (Start: 181 @17579 has 32 MA's), (208, 17627), (237, 17681), (261, 17732), (283, 17795), (330, 17903), (381, 18011), (424, 18125), (426, 18128), (449, 18167), (459, 18182), (465, 18194), (467, 18200), (487, 18242), (492, 18248), (504, 18287), (513, 18311), (589, 18413), (610, 18476), (627, 18521), (685, 18656), (719, 18755), (757, 18833), (764, 18857), (766, 18863), (771, 18878), (815, 18974), (817, 18980), (882, 19133), (912, 19238), (913, 19241), (917, 19259),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 152

Candidate Starts for Watermelon_29:

(Start: 152 @21982 has 219 MA's), (Start: 173 @22003 has 4 MA's), (Start: 199 @22045 has 1 MA's), (223, 22090), (320, 22306), (347, 22351), (353, 22360), (367, 22399), (391, 22450), (393, 22453), (491, 22648), (514, 22717), (613, 22918), (614, 22921), (622, 22942), (667, 23038), (668, 23041),

(670, 23047), (696, 23116), (699, 23134), (701, 23143), (714, 23173), (753, 23269), (764, 23302), (769, 23317), (815, 23458), (837, 23515), (879, 23626), (925, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 150

Candidate Starts for Watson_29:

(Start: 150 @20371 has 625 MA's), (Start: 199 @20428 has 1 MA's), (208, 20443), (226, 20476), (237, 20497), (Start: 244 @20512 has 1 MA's), (279, 20599), (283, 20611), (284, 20614), (320, 20689), (330, 20704), (351, 20740), (445, 20947), (500, 21061), (514, 21100), (562, 21187), (613, 21301), (622, 21325), (631, 21343), (668, 21424), (696, 21499), (699, 21517), (708, 21550), (714, 21556), (727, 21595), (752, 21649), (753, 21652), (761, 21673), (780, 21730), (837, 21898), (877, 22003), (879, 22009), (916, 22144),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Webster2_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 139

Candidate Starts for Wee_17:

(Start: 139 @15380 has 218 MA's), (207, 15467), (Start: 233 @15512 has 2 MA's), (242, 15536), (282, 15641), (284, 15647), (289, 15665), (300, 15695), (353, 15800), (375, 15860), (384, 15881), (388, 15890), (398, 15914), (493, 16040), (497, 16055), (499, 16061), (512, 16097), (513, 16100), (516, 16112), (520, 16118), (543, 16166), (550, 16178), (554, 16184), (587, 16244), (592, 16256), (606, 16292), (609, 16304), (645, 16379), (648, 16388), (660, 16406), (662, 16412), (670, 16442), (751, 16547), (752, 16556), (753, 16559), (765, 16595), (792, 16673), (820, 16772), (826, 16793), (843, 16826), (858, 16856), (864, 16886), (867, 16895), (869, 16901), (878, 16916), (879, 16919), (883, 16943), (894, 16973), (899, 16985), (904, 17015), (916, 17057),

Gene: WeiHuaDA_34 Start: 22438, Stop: 24234, Start Num: 130

Candidate Starts for WeiHuaDA_34:

(102, 22396), (Start: 130 @22438 has 8 MA's), (Start: 150 @22462 has 625 MA's), (283, 22696), (284, 22699), (319, 22771), (320, 22774), (353, 22828), (355, 22834), (367, 22867), (401, 22945), (445, 23032), (487, 23113), (491, 23116), (500, 23146), (614, 23389), (664, 23494), (668, 23509), (714, 23641), (743, 23689), (753, 23719), (764, 23752), (769, 23767), (771, 23773), (790, 23827), (805, 23881), (837, 23965), (864, 24031), (877, 24070), (879, 24076),

Gene: Weirdo19_19 Start: 16080, Stop: 17819, Start Num: 117

Candidate Starts for Weirdo19_19:

(98, 16044), (Start: 117 @16080 has 24 MA's), (132, 16101), (135, 16104), (Start: 190 @16164 has 1 MA's), (194, 16170), (198, 16176), (210, 16200), (230, 16233), (273, 16326), (278, 16347), (313, 16446), (378, 16581), (381, 16587), (387, 16602), (398, 16626), (411, 16668), (465, 16758), (468, 16767), (500, 16839), (504, 16851), (505, 16854), (510, 16869), (535, 16920), (587, 16965), (601, 16995), (627, 17076), (668, 17163), (722, 17319), (732, 17325), (824, 17532), (864, 17616), (876, 17637), (880, 17655), (895, 17703), (910, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 162

Candidate Starts for WelcomeAyanna_18:

(54, 17509), (61, 17584), (63, 17605), (87, 17689), (Start: 162 @17806 has 92 MA's), (312, 18064), (320, 18082), (323, 18085), (355, 18139), (411, 18283), (419, 18304), (446, 18355), (467, 18391), (468, 18394), (526, 18427), (568, 18484), (646, 18661), (659, 18685), (667, 18721), (700, 18823), (722, 18880), (770, 18970), (868, 19210), (891, 19288),

Gene: Wendigo_18 Start: 16640, Stop: 18403, Start Num: 112

Candidate Starts for Wendigo_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 150

Candidate Starts for Whabigail7_30:

(Start: 130 @20659 has 8 MA's), (Start: 150 @20683 has 625 MA's), (226, 20782), (266, 20866), (283, 20917), (284, 20920), (319, 20992), (320, 20995), (353, 21049), (367, 21088), (401, 21166), (445, 21253), (487, 21334), (491, 21337), (580, 21523), (614, 21610), (664, 21715), (668, 21730), (708, 21856), (714, 21862), (743, 21910), (769, 21988), (771, 21994), (790, 22048), (801, 22087), (805, 22102), (837, 22186), (879, 22297),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 176

Candidate Starts for Whack_18:

(Start: 176 @17086 has 1 MA's), (245, 17212), (261, 17242), (373, 17488), (381, 17503), (410, 17578), (465, 17668), (466, 17671), (467, 17674), (495, 17734), (608, 17914), (680, 18070), (718, 18172), (722, 18184), (725, 18193), (792, 18286), (806, 18331), (814, 18352), (852, 18439), (910, 18616), (914, 18628), (919, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 139

Candidate Starts for Whatsapiecost_16:

(Start: 139 @14856 has 218 MA's), (207, 14943), (Start: 233 @14988 has 2 MA's), (242, 15012), (282, 15117), (284, 15123), (289, 15141), (300, 15171), (353, 15276), (375, 15336), (384, 15357), (388, 15366), (398, 15390), (493, 15516), (497, 15531), (499, 15537), (512, 15573), (513, 15576), (516, 15588), (520, 15594), (543, 15642), (550, 15654), (554, 15660), (587, 15720), (592, 15732), (606, 15768), (609, 15780), (645, 15855), (648, 15864), (660, 15882), (662, 15888), (670, 15918), (751, 16023), (752, 16032), (753, 16035), (765, 16071), (792, 16149), (820, 16248), (826, 16269), (843, 16302), (858, 16332), (864, 16362), (867, 16371), (869, 16377), (878, 16392), (879, 16395), (883, 16419), (894, 16449), (899, 16461), (904, 16491), (916, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 174

Candidate Starts for WheatThin_22:

(Start: 106 @17269 has 2 MA's), (Start: 174 @17344 has 18 MA's), (230, 17437), (237, 17452), (241, 17458), (274, 17533), (295, 17605), (348, 17716), (367, 17761), (375, 17779), (381, 17791), (465, 17962), (468, 17971), (470, 17977), (487, 18010), (510, 18073), (535, 18124), (568, 18148), (587, 18172), (613, 18247), (628, 18286), (681, 18418), (722, 18532), (764, 18619), (814, 18733), (817, 18742), (864, 18847), (895, 18934), (929, 19042),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 152

Candidate Starts for Wheeler_27:

(Start: 152 @21414 has 219 MA's), (Start: 173 @21435 has 4 MA's), (Start: 199 @21477 has 1 MA's), (223, 21522), (320, 21738), (347, 21783), (353, 21792), (367, 21831), (391, 21882), (393, 21885), (430, 21978), (491, 22080), (514, 22149), (613, 22350), (614, 22353), (622, 22374), (667, 22470),

(668, 22473), (670, 22479), (696, 22548), (699, 22566), (701, 22575), (714, 22605), (753, 22701), (764, 22734), (769, 22749), (815, 22890), (837, 22947), (879, 23058), (925, 23211),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 162

Candidate Starts for Wheezy_41:

(Start: 162 @29808 has 92 MA's), (Start: 190 @29844 has 1 MA's), (201, 29862), (237, 29922), (355, 30162), (358, 30174), (363, 30189), (398, 30255), (403, 30270), (412, 30294), (413, 30297), (461, 30381), (475, 30411), (477, 30414), (501, 30471), (517, 30519), (519, 30522), (531, 30543), (603, 30648), (625, 30693), (648, 30735), (706, 30909), (724, 30939), (733, 30945), (796, 31053), (797, 31056), (821, 31131), (904, 31350), (923, 31407),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 165

Candidate Starts for Whiteclaw_17:

(Start: 165 @14758 has 39 MA's), (239, 14875), (299, 15025), (320, 15064), (330, 15079), (363, 15148), (368, 15160), (403, 15238), (404, 15241), (467, 15373), (495, 15427), (524, 15508), (568, 15568), (575, 15574), (579, 15580), (616, 15661), (631, 15697), (648, 15733), (659, 15751), (668, 15790), (696, 15862), (700, 15886), (810, 16120), (816, 16135), (831, 16177), (867, 16270), (868, 16273), (882, 16321), (891, 16351),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 150

Candidate Starts for Whitney_21:

(120, 17186), (Start: 150 @17225 has 625 MA's), (Start: 160 @17237 has 22 MA's), (Start: 163 @17240 has 16 MA's), (191, 17276), (213, 17315), (226, 17336), (247, 17378), (249, 17384), (252, 17387), (259, 17399), (273, 17435), (283, 17471), (305, 17528), (330, 17576), (345, 17603), (391, 17705), (405, 17744), (430, 17801), (443, 17819), (455, 17828), (458, 17834), (480, 17882), (492, 17912), (503, 17948), (505, 17954), (513, 17975), (514, 17978), (540, 18029), (581, 18056), (582, 18059), (596, 18086), (606, 18113), (633, 18185), (659, 18224), (677, 18278), (701, 18350), (720, 18395), (757, 18458), (765, 18485), (766, 18488), (771, 18503), (810, 18587), (814, 18596), (815, 18599), (817, 18605), (821, 18617), (822, 18620), (835, 18650), (838, 18656), (852, 18677), (853, 18680), (868, 18734), (879, 18764), (880, 18773), (896, 18824), (904, 18857), (908, 18869), (913, 18887),

Gene: Whitspit_28 Start: 21829, Stop: 23568, Start Num: 199

Candidate Starts for Whitspit_28:

(Start: 152 @21766 has 219 MA's), (Start: 173 @21787 has 4 MA's), (Start: 199 @21829 has 1 MA's), (223, 21874), (320, 22090), (347, 22135), (353, 22144), (367, 22183), (391, 22234), (393, 22237), (430, 22330), (491, 22432), (514, 22501), (613, 22702), (614, 22705), (622, 22726), (667, 22822), (668, 22825), (670, 22831), (696, 22900), (699, 22918), (701, 22927), (714, 22957), (753, 23053), (764, 23086), (769, 23101), (815, 23242), (837, 23299), (879, 23410), (925, 23563),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 162

Candidate Starts for WhoseManz_43:

(Start: 162 @27503 has 92 MA's), (Start: 174 @27515 has 18 MA's), (Start: 190 @27539 has 1 MA's), (237, 27617), (320, 27800), (355, 27857), (358, 27869), (363, 27884), (398, 27950), (403, 27965), (412, 27989), (461, 28076), (464, 28082), (475, 28106), (501, 28166), (511, 28196), (519, 28217), (596, 28322), (603, 28343), (648, 28430), (666, 28478), (706, 28604), (733, 28640), (814, 28805), (820, 28823), (834, 28859), (902, 29033), (904, 29045), (923, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 139

Candidate Starts for Whouxphf_16:

(Start: 139 @14910 has 218 MA's), (207, 14997), (218, 15018), (Start: 233 @15042 has 2 MA's), (242, 15066), (282, 15171), (284, 15177), (289, 15195), (300, 15225), (353, 15330), (375, 15390), (384, 15411), (388, 15420), (398, 15444), (410, 15480), (411, 15486), (415, 15498), (425, 15519), (474,

15552), (493, 15570), (497, 15585), (499, 15591), (512, 15627), (516, 15642), (520, 15648), (543, 15696), (550, 15708), (554, 15714), (587, 15774), (606, 15822), (609, 15834), (616, 15855), (645, 15909), (648, 15918), (660, 15936), (662, 15942), (670, 15972), (751, 16077), (753, 16089), (765, 16125), (792, 16203), (820, 16302), (826, 16323), (843, 16356), (858, 16386), (864, 16416), (866, 16422), (867, 16425), (869, 16431), (878, 16446), (879, 16449), (882, 16470), (883, 16473), (899, 16515), (916, 16587),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 150

Candidate Starts for WideWale_30:

(Start: 130 @20632 has 8 MA's), (Start: 150 @20656 has 625 MA's), (Start: 244 @20791 has 1 MA's), (283, 20890), (284, 20893), (319, 20965), (320, 20968), (353, 21022), (355, 21028), (381, 21091), (401, 21139), (411, 21172), (445, 21226), (487, 21307), (491, 21310), (500, 21340), (580, 21496), (614, 21583), (668, 21703), (707, 21826), (708, 21829), (714, 21835), (743, 21883), (764, 21946), (769, 21961), (771, 21967), (790, 22021), (801, 22060), (805, 22075), (817, 22108), (834, 22153), (877, 22264), (879, 22270), (894, 22324),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 163

Candidate Starts for Widow_18:

(Start: 163 @15130 has 16 MA's), (223, 15226), (296, 15394), (300, 15406), (332, 15457), (389, 15580), (445, 15697), (489, 15775), (515, 15850), (532, 15883), (608, 15976), (613, 15997), (668, 16114), (680, 16156), (687, 16174), (695, 16186), (696, 16189), (754, 16294), (757, 16300), (762, 16315), (792, 16372), (880, 16591), (908, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 144

Candidate Starts for Wiggin_27:

(Start: 144 @20250 has 125 MA's), (Start: 205 @20334 has 48 MA's), (Start: 244 @20412 has 1 MA's), (279, 20499), (284, 20514), (300, 20562), (317, 20601), (359, 20688), (372, 20721), (388, 20757), (400, 20787), (402, 20793), (437, 20862), (495, 20892), (498, 20904), (499, 20907), (520, 20964), (589, 21096), (591, 21102), (614, 21168), (616, 21174), (625, 21198), (648, 21246), (662, 21270), (664, 21279), (688, 21354), (752, 21405), (758, 21420), (809, 21582), (817, 21609), (826, 21639), (868, 21744), (897, 21822), (904, 21858), (907, 21867), (916, 21900), (923, 21915),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for Wiks_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (805, 21390), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 150

Candidate Starts for Wilbur_27:

(Start: 130 @19803 has 8 MA's), (Start: 150 @19827 has 625 MA's), (Start: 199 @19884 has 1 MA's), (230, 19938), (237, 19953), (245, 19971), (279, 20055), (283, 20067), (284, 20070), (320, 20145), (330, 20160), (353, 20199), (401, 20316), (445, 20403), (487, 20484), (505, 20532), (514, 20556), (562, 20643), (587, 20688), (614, 20760), (622, 20781), (631, 20799), (668, 20880), (699, 20973), (701, 20982), (708, 21006), (714, 21012), (722, 21036), (753, 21090), (761, 21111), (778, 21162), (787, 21186), (802, 21240), (837, 21336), (877, 21441), (880, 21456), (911, 21564), (916, 21582),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 115

Candidate Starts for Wildflower_56:

(Start: 115 @33020 has 20 MA's), (Start: 121 @33029 has 44 MA's), (191, 33119), (248, 33236), (266, 33272), (275, 33293), (282, 33320), (284, 33326), (294, 33356), (302, 33380), (327, 33431), (388,

33569), (392, 33575), (409, 33626), (410, 33629), (415, 33647), (493, 33698), (499, 33719), (500, 33722), (512, 33755), (516, 33770), (520, 33776), (543, 33824), (544, 33830), (550, 33836), (573, 33896), (587, 33920), (589, 33923), (606, 33968), (610, 33983), (613, 33992), (616, 34001), (634, 34046), (648, 34064), (664, 34097), (753, 34235), (761, 34256), (782, 34322), (793, 34352), (807, 34406), (820, 34448), (826, 34469), (836, 34490), (843, 34502), (855, 34523), (869, 34577), (897, 34655), (904, 34691), (910, 34712), (917, 34739),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 150

Candidate Starts for Wile_27:

(Start: 130 @19812 has 8 MA's), (Start: 150 @19836 has 625 MA's), (Start: 155 @19842 has 12 MA's), (Start: 199 @19896 has 1 MA's), (237, 19965), (273, 20043), (279, 20067), (284, 20082), (300, 20118), (320, 20157), (330, 20172), (353, 20211), (393, 20304), (401, 20328), (445, 20415), (500, 20529), (514, 20568), (562, 20655), (587, 20700), (613, 20769), (622, 20793), (627, 20805), (668, 20892), (696, 20967), (699, 20985), (701, 20994), (708, 21018), (714, 21024), (719, 21039), (734, 21072), (752, 21117), (753, 21120), (761, 21141), (837, 21366), (868, 21444), (877, 21471), (879, 21477), (916, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 152

Candidate Starts for Wilkins_27:

(Start: 152 @20952 has 219 MA's), (Start: 173 @20973 has 4 MA's), (Start: 199 @21015 has 1 MA's), (223, 21060), (320, 21276), (347, 21321), (353, 21330), (367, 21369), (391, 21420), (393, 21423), (430, 21516), (491, 21618), (514, 21687), (609, 21876), (613, 21888), (614, 21891), (622, 21912), (667, 22008), (668, 22011), (670, 22017), (696, 22086), (699, 22104), (701, 22113), (714, 22143), (753, 22239), (764, 22272), (769, 22287), (780, 22317), (815, 22428), (837, 22485), (879, 22596),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 139

Candidate Starts for WillSterrel_17:

(Start: 139 @16164 has 218 MA's), (207, 16251), (Start: 233 @16296 has 2 MA's), (242, 16320), (282, 16425), (284, 16431), (289, 16449), (300, 16479), (353, 16584), (375, 16644), (384, 16665), (388, 16674), (398, 16698), (410, 16734), (411, 16740), (425, 16773), (427, 16776), (441, 16785), (467, 16800), (474, 16806), (493, 16824), (497, 16839), (499, 16845), (505, 16863), (506, 16866), (512, 16881), (516, 16896), (520, 16902), (543, 16950), (550, 16962), (554, 16968), (587, 17028), (592, 17040), (606, 17076), (609, 17088), (645, 17163), (648, 17172), (660, 17190), (662, 17196), (670, 17226), (751, 17331), (753, 17343), (765, 17379), (792, 17457), (826, 17577), (843, 17610), (858, 17640), (860, 17652), (864, 17670), (866, 17676), (867, 17679), (869, 17685), (878, 17700), (879, 17703), (882, 17724), (883, 17727), (899, 17769), (904, 17799), (916, 17841), (917, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 205

Candidate Starts for Willez_23:

(Start: 144 @19250 has 125 MA's), (Start: 205 @19334 has 48 MA's), (Start: 244 @19412 has 1 MA's), (279, 19499), (284, 19514), (300, 19562), (317, 19601), (359, 19688), (372, 19721), (388, 19757), (400, 19787), (402, 19793), (437, 19862), (495, 19892), (498, 19904), (499, 19907), (520, 19964), (589, 20096), (591, 20102), (614, 20168), (616, 20174), (625, 20198), (648, 20246), (662, 20270), (664, 20279), (688, 20354), (752, 20405), (758, 20420), (809, 20582), (817, 20609), (826, 20639), (868, 20744), (897, 20822), (904, 20858), (907, 20867), (916, 20900), (923, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 177

Candidate Starts for William_19:

(4, 15642), (5, 15687), (6, 15711), (7, 15717), (9, 15825), (10, 15873), (14, 15945), (19, 16020), (29, 16158), (35, 16188), (36, 16194), (48, 16326), (55, 16383), (57, 16392), (84, 16551), (Start: 141 @16653 has 4 MA's), (Start: 177 @16689 has 46 MA's), (237, 16794), (273, 16872), (291, 16932), (299, 16944), (300, 16947), (316, 16971), (357, 17046), (400, 17145), (405, 17160), (454, 17244), (459, 17256), (462, 17265), (465, 17268), (474, 17289), (495, 17331), (504, 17361), (617, 17544),

(627, 17568), (655, 17619), (687, 17712), (695, 17724), (713, 17784), (766, 17919), (808, 18012), (810, 18018), (817, 18036), (837, 18087), (866, 18147), (868, 18153), (894, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 160

Candidate Starts for WilliamBoone_48:

(Start: 160 @28921 has 22 MA's), (202, 28981), (216, 29014), (234, 29047), (236, 29056), (272, 29137), (274, 29143), (294, 29215), (351, 29338), (354, 29344), (370, 29392), (398, 29455), (520, 29605), (523, 29611), (534, 29635), (601, 29764), (606, 29785), (651, 29905), (688, 30016), (751, 30058), (775, 30130), (789, 30169), (817, 30268), (821, 30280), (824, 30289), (860, 30373), (915, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 134

Candidate Starts for Willsammy_19:

(Start: 116 @16253 has 3 MA's), (Start: 134 @16277 has 48 MA's), (184, 16337), (195, 16358), (197, 16361), (259, 16481), (274, 16520), (283, 16553), (292, 16577), (342, 16697), (359, 16736), (360, 16742), (396, 16826), (398, 16832), (402, 16844), (410, 16868), (420, 16895), (437, 16913), (480, 16952), (493, 16958), (500, 16982), (520, 17036), (526, 17048), (531, 17057), (560, 17117), (597, 17195), (609, 17234), (621, 17267), (648, 17333), (659, 17348), (662, 17357), (668, 17381), (676, 17411), (680, 17423), (763, 17525), (767, 17537), (768, 17540), (770, 17546), (774, 17555), (807, 17663), (836, 17747), (874, 17846), (907, 17954), (923, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 121

Candidate Starts for Winget_57:

(Start: 115 @33726 has 20 MA's), (Start: 121 @33735 has 44 MA's), (191, 33825), (248, 33942), (266, 33978), (275, 33999), (282, 34026), (284, 34032), (294, 34062), (302, 34086), (327, 34137), (388, 34275), (392, 34281), (409, 34332), (410, 34335), (415, 34353), (493, 34404), (499, 34425), (500, 34428), (516, 34476), (520, 34482), (543, 34530), (544, 34536), (550, 34542), (573, 34602), (587, 34626), (589, 34629), (606, 34674), (610, 34689), (613, 34698), (616, 34707), (634, 34752), (648, 34770), (664, 34803), (753, 34941), (761, 34962), (782, 35028), (793, 35058), (807, 35112), (820, 35154), (826, 35175), (836, 35196), (843, 35208), (855, 35229), (869, 35283), (897, 35361), (904, 35397), (910, 35418), (917, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 162

Candidate Starts for WinkNick_20:

(87, 17205), (Start: 162 @17322 has 92 MA's), (312, 17580), (323, 17601), (355, 17655), (368, 17694), (396, 17751), (403, 17772), (526, 17943), (534, 17961), (552, 17985), (575, 18006), (603, 18048), (631, 18129), (667, 18219), (681, 18264), (700, 18321), (701, 18324), (722, 18378), (770, 18468), (880, 18747), (882, 18756), (891, 18786),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 118

Candidate Starts for Wintermute_24:

(Start: 96 @18583 has 3 MA's), (Start: 112 @18613 has 26 MA's), (Start: 115 @18619 has 20 MA's), (Start: 118 @18622 has 149 MA's), (Start: 141 @18637 has 4 MA's), (Start: 181 @18679 has 32 MA's), (208, 18727), (230, 18766), (237, 18781), (245, 18799), (261, 18832), (274, 18862), (287, 18907), (294, 18925), (325, 18997), (330, 19003), (347, 19033), (348, 19036), (375, 19099), (381, 19111), (433, 19246), (446, 19264), (465, 19294), (467, 19300), (476, 19318), (492, 19348), (504, 19387), (589, 19513), (610, 19576), (685, 19777), (701, 19831), (719, 19876), (744, 19921), (753, 19945), (764, 19978), (777, 20011), (810, 20083), (815, 20095), (834, 20146), (837, 20152), (882, 20254), (917, 20380), (929, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Wishmaker_22:

(Start: 117 @17406 has 24 MA's), (123, 17415), (156, 17457), (198, 17508), (210, 17532), (217, 17544), (230, 17565), (237, 17580), (245, 17598), (262, 17631), (273, 17658), (294, 17730), (334, 17820), (373, 17904), (378, 17913), (387, 17934), (411, 18000), (423, 18027), (443, 18060), (459, 18078), (468, 18099), (476, 18114), (478, 18117), (504, 18183), (505, 18186), (535, 18252), (553, 18264), (568, 18273), (576, 18276), (610, 18363), (631, 18417), (659, 18462), (661, 18468), (683, 18540), (696, 18570), (701, 18597), (716, 18633), (719, 18642), (764, 18720), (824, 18864), (831, 18882), (837, 18894), (848, 18909), (849, 18912), (858, 18933), (864, 18945), (882, 18993), (893, 19026), (913, 19101), (917, 19119), (929, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 177

Candidate Starts for Wisp_18:

(Start: 141 @16327 has 4 MA's), (Start: 177 @16363 has 46 MA's), (237, 16465), (273, 16543), (274, 16546), (316, 16642), (338, 16681), (367, 16741), (377, 16762), (400, 16816), (405, 16831), (495, 17002), (504, 17032), (617, 17215), (627, 17239), (655, 17290), (687, 17383), (695, 17395), (705, 17440), (713, 17455), (765, 17587), (766, 17590), (810, 17689), (817, 17707), (837, 17758), (868, 17824), (889, 17887), (894, 17899),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 105

Candidate Starts for Wizard_31:

(86, 25951), (Start: 105 @25993 has 84 MA's), (Start: 129 @26029 has 1 MA's), (Start: 155 @26062 has 12 MA's), (274, 26272), (275, 26275), (283, 26305), (310, 26371), (320, 26395), (326, 26404), (345, 26437), (410, 26590), (430, 26629), (466, 26680), (470, 26692), (480, 26710), (486, 26722), (490, 26734), (495, 26749), (504, 26779), (505, 26782), (513, 26803), (581, 26875), (603, 26923), (647, 27034), (665, 27067), (676, 27106), (677, 27109), (701, 27181), (740, 27247), (744, 27259), (815, 27430), (816, 27433), (834, 27481), (852, 27508), (860, 27535), (877, 27589), (908, 27706), (914, 27727), (925, 27754),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 150

Candidate Starts for Wizard007_27:

(Start: 130 @19805 has 8 MA's), (Start: 150 @19829 has 625 MA's), (Start: 199 @19886 has 1 MA's), (230, 19940), (237, 19955), (245, 19973), (279, 20057), (283, 20069), (284, 20072), (320, 20147), (330, 20162), (353, 20201), (401, 20318), (445, 20405), (487, 20486), (505, 20534), (514, 20558), (562, 20645), (587, 20690), (614, 20762), (622, 20783), (631, 20801), (668, 20882), (699, 20975), (701, 20984), (708, 21008), (714, 21014), (722, 21038), (753, 21092), (761, 21113), (778, 21164), (787, 21188), (802, 21242), (837, 21338), (877, 21443), (880, 21458), (911, 21566), (916, 21584),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 177

Candidate Starts for Wocket_20:

(Start: 141 @16801 has 4 MA's), (Start: 177 @16837 has 46 MA's), (237, 16939), (273, 17017), (316, 17116), (338, 17155), (361, 17200), (377, 17236), (400, 17290), (405, 17305), (415, 17338), (454, 17389), (495, 17476), (504, 17506), (617, 17689), (627, 17713), (687, 17857), (695, 17869), (713, 17929), (765, 18061), (766, 18064), (810, 18163), (817, 18181), (837, 18232), (866, 18292), (868, 18298), (889, 18361), (894, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 121

Candidate Starts for Wogge42_55:

(Start: 115 @33167 has 20 MA's), (Start: 121 @33176 has 44 MA's), (191, 33266), (248, 33383), (266, 33419), (275, 33440), (282, 33467), (284, 33473), (294, 33503), (302, 33527), (327, 33578), (388, 33716), (392, 33722), (409, 33773), (410, 33776), (415, 33794), (493, 33845), (499, 33866), (500, 33869), (516, 33917), (520, 33923), (543, 33971), (544, 33977), (550, 33983), (573, 34043), (587, 34067), (589, 34070), (606, 34115), (610, 34130), (613, 34139), (616, 34148), (634, 34193), (648, 34211), (664, 34244), (753, 34382), (761, 34403), (782, 34469), (793, 34499), (807, 34553), (820, 34595), (826, 34616), (836, 34637), (843, 34649), (855, 34670), (869, 34724), (897, 34802), (904,

34838), (910, 34859), (917, 34886),

Gene: Wolfwood_22 Start: 16703, Stop: 18397, Start Num: 150

Candidate Starts for Wolfwood_22:

(40, 16292), (43, 16328), (49, 16379), (Start: 150 @16703 has 625 MA's), (Start: 160 @16715 has 22 MA's), (297, 16988), (298, 16991), (320, 17036), (330, 17051), (367, 17129), (387, 17174), (430, 17276), (458, 17309), (462, 17321), (465, 17324), (490, 17381), (500, 17414), (505, 17429), (533, 17495), (582, 17537), (587, 17546), (606, 17591), (627, 17654), (667, 17735), (673, 17753), (676, 17762), (678, 17771), (699, 17828), (701, 17837), (769, 17969), (786, 17996), (798, 18017), (814, 18068), (815, 18071), (858, 18167), (864, 18194), (867, 18203), (868, 18206), (879, 18236), (882, 18254), (898, 18299), (923, 18389),

Gene: Wolpertinger_27 Start: 20752, Stop: 22551, Start Num: 150

Candidate Starts for Wolpertinger_27:

(102, 20686), (Start: 130 @20728 has 8 MA's), (Start: 150 @20752 has 625 MA's), (Start: 193 @20794 has 3 MA's), (245, 20890), (253, 20905), (283, 20986), (284, 20989), (320, 21064), (330, 21079), (353, 21118), (355, 21124), (375, 21175), (401, 21235), (403, 21241), (445, 21322), (491, 21406), (541, 21532), (552, 21550), (568, 21577), (631, 21718), (664, 21784), (667, 21796), (668, 21799), (734, 21988), (747, 22015), (751, 22024), (757, 22045), (758, 22048), (764, 22069), (769, 22084), (778, 22108), (801, 22183), (805, 22198), (837, 22282), (877, 22387), (879, 22393), (894, 22447), (925, 22546),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 150

Candidate Starts for Wooldri_31:

(Start: 150 @20290 has 625 MA's), (Start: 199 @20347 has 1 MA's), (208, 20362), (226, 20395), (237, 20416), (Start: 244 @20431 has 1 MA's), (279, 20518), (283, 20530), (284, 20533), (320, 20608), (330, 20623), (351, 20659), (445, 20866), (500, 20980), (514, 21019), (562, 21106), (613, 21220), (622, 21244), (631, 21262), (668, 21343), (696, 21418), (699, 21436), (708, 21469), (714, 21475), (727, 21514), (752, 21568), (753, 21571), (761, 21592), (780, 21649), (837, 21817), (877, 21922), (879, 21928), (916, 22063),

Gene: WorldCup_26 Start: 19606, Stop: 21396, Start Num: 150

Candidate Starts for WorldCup_26:

(102, 19540), (137, 19591), (Start: 150 @19606 has 625 MA's), (223, 19702), (226, 19705), (274, 19807), (283, 19840), (284, 19843), (319, 19915), (320, 19918), (353, 19972), (355, 19978), (391, 20062), (401, 20089), (403, 20095), (405, 20101), (445, 20176), (487, 20257), (491, 20260), (509, 20320), (580, 20446), (608, 20509), (614, 20533), (627, 20566), (631, 20572), (668, 20653), (727, 20824), (753, 20881), (764, 20914), (769, 20929), (778, 20953), (790, 20989), (801, 21028), (805, 21043), (837, 21127), (864, 21193), (877, 21232), (879, 21238), (890, 21283),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 119

Candidate Starts for Wrigley_20:

(Start: 104 @17403 has 1 MA's), (Start: 119 @17427 has 25 MA's), (201, 17532), (224, 17574), (266, 17649), (320, 17763), (387, 17910), (391, 17916), (483, 18099), (512, 18174), (667, 18456), (674, 18477), (699, 18552), (744, 18639), (759, 18675), (769, 18708), (771, 18714), (804, 18780), (815, 18810), (877, 18966), (879, 18972), (882, 18990), (914, 19101),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for WunderPhul_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (802,

21378), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 139

Candidate Starts for XFactor_16:

(Start: 139 @14812 has 218 MA's), (207, 14899), (Start: 233 @14944 has 2 MA's), (242, 14968), (282, 15073), (284, 15079), (289, 15097), (300, 15127), (353, 15232), (375, 15292), (384, 15313), (388, 15322), (398, 15346), (493, 15472), (497, 15487), (499, 15493), (512, 15529), (513, 15532), (516, 15544), (520, 15550), (543, 15598), (550, 15610), (554, 15616), (587, 15676), (592, 15688), (606, 15724), (609, 15736), (645, 15811), (648, 15820), (660, 15838), (662, 15844), (670, 15874), (751, 15979), (753, 15991), (765, 16027), (792, 16105), (820, 16204), (826, 16225), (843, 16258), (858, 16288), (864, 16318), (867, 16327), (869, 16333), (878, 16348), (879, 16351), (883, 16375), (894, 16405), (899, 16417), (904, 16447), (916, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 205

Candidate Starts for Xandras_26:

(Start: 144 @19736 has 125 MA's), (Start: 205 @19820 has 48 MA's), (Start: 244 @19898 has 1 MA's), (279, 19985), (284, 20000), (300, 20048), (317, 20087), (359, 20174), (372, 20207), (388, 20243), (400, 20273), (402, 20279), (437, 20348), (495, 20378), (498, 20390), (499, 20393), (520, 20450), (589, 20582), (591, 20588), (614, 20654), (616, 20660), (625, 20684), (648, 20732), (662, 20756), (664, 20765), (688, 20840), (752, 20891), (758, 20906), (809, 21068), (817, 21095), (826, 21125), (868, 21230), (897, 21308), (904, 21344), (907, 21353), (916, 21386), (923, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 134

Candidate Starts for Xavia_19:

(Start: 116 @16365 has 3 MA's), (Start: 134 @16389 has 48 MA's), (184, 16449), (195, 16470), (197, 16473), (255, 16587), (259, 16593), (274, 16632), (283, 16665), (292, 16689), (342, 16809), (359, 16848), (360, 16854), (396, 16938), (398, 16944), (402, 16956), (410, 16980), (437, 17025), (480, 17064), (493, 17070), (500, 17094), (520, 17148), (526, 17160), (531, 17169), (560, 17229), (597, 17307), (609, 17346), (621, 17379), (648, 17445), (659, 17460), (662, 17469), (668, 17493), (676, 17523), (680, 17535), (763, 17637), (767, 17649), (768, 17652), (770, 17658), (774, 17667), (807, 17775), (836, 17859), (874, 17958), (907, 18066), (923, 18114),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 150

Candidate Starts for Xena_27:

(Start: 130 @19799 has 8 MA's), (Start: 150 @19823 has 625 MA's), (Start: 155 @19829 has 12 MA's), (Start: 199 @19883 has 1 MA's), (237, 19952), (273, 20030), (279, 20054), (284, 20069), (300, 20105), (320, 20144), (330, 20159), (353, 20198), (393, 20291), (401, 20315), (445, 20402), (500, 20516), (514, 20555), (562, 20642), (587, 20687), (613, 20756), (622, 20780), (627, 20792), (668, 20879), (696, 20954), (699, 20972), (701, 20981), (708, 21005), (714, 21011), (719, 21026), (734, 21059), (752, 21104), (753, 21107), (761, 21128), (837, 21353), (868, 21431), (877, 21458), (879, 21464), (916, 21599),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Xeno_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (609, 15910), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 144

Candidate Starts for Xerxes_18:

(Start: 144 @14986 has 125 MA's), (Start: 169 @15013 has 1 MA's), (Start: 233 @15118 has 2 MA's), (236, 15130), (252, 15166), (274, 15217), (282, 15247), (284, 15253), (293, 15280), (295, 15286), (353, 15406), (371, 15460), (375, 15466), (382, 15484), (388, 15496), (390, 15499), (398, 15520), (411, 15562), (425, 15595), (493, 15646), (497, 15661), (512, 15703), (516, 15718), (520, 15724), (543, 15772), (556, 15796), (564, 15826), (587, 15850), (609, 15910), (613, 15922), (634, 15976), (645, 15985), (669, 16045), (670, 16048), (751, 16153), (752, 16162), (765, 16201), (808, 16339), (863, 16489), (864, 16492), (867, 16501), (878, 16522), (883, 16549), (897, 16585), (923, 16678),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 130

Candidate Starts for XianYue_28:

(102, 20070), (Start: 130 @20112 has 8 MA's), (Start: 150 @20136 has 625 MA's), (226, 20235), (253, 20289), (283, 20370), (284, 20373), (319, 20445), (320, 20448), (353, 20502), (375, 20559), (387, 20586), (445, 20706), (487, 20787), (491, 20790), (500, 20820), (562, 20946), (614, 21063), (667, 21180), (668, 21183), (714, 21315), (764, 21426), (769, 21441), (771, 21447), (790, 21501), (801, 21540), (805, 21555), (817, 21588), (868, 21717), (877, 21744), (879, 21750), (882, 21768), (894, 21804),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 118

Candidate Starts for Ximenita_23:

(Start: 112 @16490 has 26 MA's), (Start: 118 @16499 has 149 MA's), (Start: 144 @16529 has 125 MA's), (230, 16655), (237, 16670), (245, 16688), (261, 16721), (274, 16751), (287, 16796), (325, 16886), (347, 16922), (381, 17000), (385, 17009), (424, 17114), (426, 17117), (465, 17183), (467, 17189), (487, 17231), (492, 17237), (598, 17420), (615, 17480), (643, 17537), (665, 17582), (668, 17594), (685, 17642), (719, 17741), (753, 17801), (765, 17837), (786, 17876), (815, 17951), (834, 18002), (837, 18008), (917, 18236), (919, 18239), (929, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 148

Candidate Starts for Xula_18:

(Start: 148 @16123 has 18 MA's), (216, 16222), (221, 16231), (252, 16297), (264, 16321), (283, 16381), (284, 16384), (293, 16411), (371, 16591), (382, 16615), (388, 16627), (398, 16651), (493, 16777), (497, 16792), (500, 16801), (513, 16837), (520, 16855), (634, 17107), (645, 17116), (662, 17149), (752, 17293), (767, 17338), (800, 17440), (803, 17449), (807, 17467), (808, 17470), (846, 17569), (864, 17629), (870, 17647), (878, 17683), (880, 17698), (897, 17746), (914, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 141

Candidate Starts for Y10_24:

(Start: 96 @18583 has 3 MA's), (Start: 112 @18613 has 26 MA's), (Start: 115 @18619 has 20 MA's), (Start: 118 @18622 has 149 MA's), (Start: 141 @18637 has 4 MA's), (Start: 181 @18679 has 32 MA's), (208, 18727), (230, 18766), (237, 18781), (245, 18799), (261, 18832), (274, 18862), (287, 18907), (294, 18925), (325, 18997), (330, 19003), (347, 19033), (348, 19036), (375, 19099), (381, 19111), (433, 19246), (446, 19264), (465, 19294), (467, 19300), (476, 19318), (492, 19348), (504, 19387), (589, 19513), (610, 19576), (685, 19777), (701, 19831), (719, 19876), (744, 19921), (753, 19945), (764, 19978), (777, 20011), (810, 20083), (815, 20095), (834, 20146), (837, 20152), (882, 20254), (917, 20380), (929, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 141

Candidate Starts for Y2_24:

(Start: 96 @18583 has 3 MA's), (Start: 112 @18613 has 26 MA's), (Start: 115 @18619 has 20 MA's), (Start: 118 @18622 has 149 MA's), (Start: 141 @18637 has 4 MA's), (Start: 181 @18679 has 32 MA's), (208, 18727), (230, 18766), (237, 18781), (245, 18799), (261, 18832), (274, 18862), (287, 18907), (294, 18925), (325, 18997), (330, 19003), (347, 19033), (348, 19036), (375, 19099), (381, 19111), (433, 19246), (446, 19264), (465, 19294), (467, 19300), (476, 19318), (492, 19348), (504,

19387), (589, 19513), (610, 19576), (685, 19777), (701, 19831), (719, 19876), (744, 19921), (753, 19945), (764, 19978), (777, 20011), (810, 20083), (815, 20095), (834, 20146), (837, 20152), (882, 20254), (917, 20380), (929, 20401),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 150

Candidate Starts for Yakult_19:

(120, 15290), (Start: 140 @15317 has 9 MA's), (Start: 150 @15320 has 625 MA's), (213, 15404), (274, 15527), (283, 15560), (315, 15638), (367, 15743), (375, 15761), (387, 15788), (400, 15818), (409, 15845), (430, 15890), (458, 15920), (462, 15932), (466, 15938), (467, 15941), (476, 15959), (500, 16025), (533, 16106), (580, 16142), (582, 16148), (587, 16157), (596, 16175), (611, 16220), (649, 16304), (666, 16340), (667, 16343), (668, 16346), (673, 16361), (676, 16370), (678, 16379), (699, 16436), (765, 16565), (769, 16577), (775, 16592), (786, 16604), (814, 16676), (815, 16679), (816, 16682), (827, 16715), (842, 16745), (858, 16778), (867, 16814), (868, 16817), (879, 16847), (880, 16856), (913, 16973), (923, 17000),

Gene: YangYin_18 Start: 17002, Stop: 18726, Start Num: 138

Candidate Starts for YangYin_18:

(Start: 138 @17002 has 76 MA's), (232, 17122), (261, 17185), (274, 17215), (298, 17290), (320, 17341), (325, 17350), (330, 17356), (347, 17386), (351, 17392), (371, 17446), (400, 17509), (419, 17566), (467, 17662), (470, 17671), (492, 17710), (504, 17749), (516, 17785), (668, 18067), (685, 18115), (696, 18142), (703, 18178), (742, 18232), (821, 18430), (830, 18454), (834, 18463), (858, 18511), (907, 18658), (919, 18700), (921, 18703),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 150

Candidate Starts for Yarn_17:

(Start: 140 @15388 has 9 MA's), (Start: 150 @15391 has 625 MA's), (222, 15493), (230, 15505), (274, 15601), (300, 15685), (351, 15775), (375, 15835), (387, 15862), (400, 15892), (401, 15895), (430, 15964), (458, 15997), (462, 16009), (465, 16012), (474, 16033), (476, 16036), (500, 16102), (504, 16114), (606, 16279), (668, 16429), (673, 16444), (678, 16462), (699, 16519), (769, 16660), (771, 16666), (777, 16678), (786, 16687), (814, 16759), (815, 16762), (817, 16768), (821, 16780), (864, 16885), (867, 16894), (879, 16927),

Gene: YasnayaPolyana_24 Start: 18614, Stop: 20410, Start Num: 112

Candidate Starts for YasnayaPolyana_24:

(Start: 96 @18584 has 3 MA's), (Start: 112 @18614 has 26 MA's), (Start: 115 @18620 has 20 MA's), (Start: 118 @18623 has 149 MA's), (Start: 141 @18638 has 4 MA's), (Start: 181 @18680 has 32 MA's), (208, 18728), (230, 18767), (237, 18782), (245, 18800), (261, 18833), (274, 18863), (287, 18908), (294, 18926), (325, 18998), (330, 19004), (347, 19034), (348, 19037), (375, 19100), (381, 19112), (433, 19247), (446, 19265), (465, 19295), (467, 19301), (476, 19319), (492, 19349), (504, 19388), (589, 19514), (610, 19577), (685, 19778), (701, 19832), (719, 19877), (744, 19922), (753, 19946), (764, 19979), (777, 20012), (810, 20084), (815, 20096), (834, 20147), (837, 20153), (882, 20255), (917, 20381), (929, 20402),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 205

Candidate Starts for YassJohnny_25:

(Start: 144 @20261 has 125 MA's), (Start: 205 @20345 has 48 MA's), (Start: 244 @20423 has 1 MA's), (279, 20510), (284, 20525), (300, 20573), (317, 20612), (359, 20699), (372, 20732), (388, 20768), (400, 20798), (402, 20804), (437, 20873), (495, 20903), (498, 20915), (499, 20918), (520, 20975), (589, 21107), (591, 21113), (614, 21179), (616, 21185), (625, 21209), (648, 21257), (662, 21281), (664, 21290), (688, 21365), (752, 21416), (758, 21431), (809, 21593), (817, 21620), (826, 21650), (868, 21755), (897, 21833), (904, 21869), (907, 21878), (916, 21911), (923, 21926),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 150

Candidate Starts for Yecey3_29:

(Start: 148 @19841 has 18 MA's), (Start: 150 @19844 has 625 MA's), (226, 19943), (273, 20042), (284, 20081), (319, 20153), (320, 20156), (353, 20210), (355, 20216), (375, 20267), (387, 20294), (401, 20327), (445, 20414), (487, 20495), (491, 20498), (509, 20558), (563, 20660), (608, 20747), (614, 20771), (631, 20810), (668, 20891), (673, 20906), (734, 21071), (740, 21080), (753, 21119), (769, 21167), (778, 21191), (790, 21227), (801, 21266), (802, 21269), (805, 21281), (817, 21314), (837, 21365), (864, 21431), (877, 21470), (879, 21476),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 165

Candidate Starts for Yeet412_17:

(79, 14616), (Start: 165 @14751 has 39 MA's), (271, 14940), (272, 14943), (299, 15018), (330, 15072), (363, 15141), (368, 15153), (403, 15231), (404, 15234), (467, 15366), (495, 15420), (511, 15471), (524, 15501), (568, 15561), (579, 15573), (603, 15609), (648, 15726), (659, 15744), (668, 15783), (700, 15879), (758, 15987), (867, 16263), (868, 16266), (882, 16314), (891, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 162

Candidate Starts for Yeezy_20:

(Start: 162 @17119 has 92 MA's), (312, 17377), (320, 17395), (323, 17398), (355, 17452), (386, 17527), (411, 17596), (414, 17605), (419, 17617), (424, 17629), (446, 17668), (462, 17695), (467, 17704), (468, 17707), (526, 17740), (568, 17797), (603, 17863), (646, 17974), (667, 18034), (700, 18136), (722, 18193), (770, 18283), (868, 18523), (891, 18601),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 162

Candidate Starts for Yndexa_43:

(Start: 162 @29457 has 92 MA's), (Start: 171 @29466 has 1 MA's), (Start: 174 @29469 has 18 MA's), (Start: 190 @29493 has 1 MA's), (237, 29571), (320, 29754), (355, 29811), (358, 29823), (363, 29838), (398, 29904), (403, 29919), (412, 29943), (461, 30030), (464, 30036), (475, 30060), (501, 30120), (511, 30150), (519, 30171), (596, 30276), (603, 30297), (648, 30384), (666, 30432), (706, 30558), (733, 30594), (814, 30759), (820, 30777), (834, 30813), (902, 30987), (904, 30999), (923, 31056),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 150

Candidate Starts for YoSam321_27:

(Start: 130 @19800 has 8 MA's), (Start: 150 @19824 has 625 MA's), (Start: 199 @19881 has 1 MA's), (230, 19935), (237, 19950), (245, 19968), (279, 20052), (283, 20064), (284, 20067), (320, 20142), (330, 20157), (353, 20196), (401, 20313), (445, 20400), (487, 20481), (505, 20529), (514, 20553), (562, 20640), (587, 20685), (614, 20757), (622, 20778), (631, 20796), (668, 20877), (699, 20970), (701, 20979), (708, 21003), (714, 21009), (722, 21033), (753, 21087), (761, 21108), (778, 21159), (787, 21183), (802, 21237), (837, 21333), (877, 21438), (880, 21453), (911, 21561), (916, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 181

Candidate Starts for Yogi_23:

(Start: 168 @16308 has 10 MA's), (Start: 181 @16323 has 32 MA's), (220, 16392), (241, 16428), (320, 16614), (383, 16743), (401, 16785), (410, 16812), (Start: 417 @16836 has 1 MA's), (430, 16854), (458, 16884), (465, 16899), (491, 16950), (520, 17034), (608, 17151), (614, 17175), (667, 17289), (682, 17337), (696, 17367), (704, 17406), (708, 17418), (743, 17448), (769, 17526), (831, 17673), (844, 17697), (860, 17733), (871, 17772), (923, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for Yokurt_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (805,

21390), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 181

Candidate Starts for Yoncess_23:

(Start: 168 @16308 has 10 MA's), (Start: 181 @16323 has 32 MA's), (Start: 205 @16365 has 48 MA's), (220, 16392), (241, 16428), (320, 16614), (383, 16743), (401, 16785), (410, 16812), (Start: 417 @16836 has 1 MA's), (430, 16854), (458, 16884), (465, 16899), (491, 16950), (520, 17034), (608, 17151), (614, 17175), (667, 17289), (682, 17337), (696, 17367), (704, 17406), (708, 17418), (743, 17448), (769, 17526), (831, 17673), (844, 17697), (860, 17733), (871, 17772), (923, 17940),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 139

Candidate Starts for Yorick_16:

(Start: 139 @14811 has 218 MA's), (207, 14898), (Start: 233 @14943 has 2 MA's), (242, 14967), (282, 15072), (284, 15078), (289, 15096), (300, 15126), (353, 15231), (371, 15285), (375, 15291), (379, 15300), (388, 15321), (398, 15345), (410, 15381), (411, 15387), (425, 15420), (427, 15423), (441, 15432), (467, 15447), (474, 15453), (493, 15471), (497, 15486), (499, 15492), (505, 15510), (506, 15513), (512, 15528), (516, 15543), (520, 15549), (543, 15597), (550, 15609), (554, 15615), (587, 15675), (592, 15687), (606, 15723), (609, 15735), (645, 15810), (648, 15819), (660, 15837), (662, 15843), (670, 15873), (751, 15978), (753, 15990), (765, 16026), (792, 16104), (826, 16224), (843, 16257), (858, 16287), (860, 16299), (864, 16317), (866, 16323), (867, 16326), (869, 16332), (878, 16347), (879, 16350), (882, 16371), (883, 16374), (899, 16416), (904, 16446), (916, 16488), (917, 16494),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 105

Candidate Starts for YorkOnyx_35:

(Start: 105 @29872 has 84 MA's), (Start: 129 @29908 has 1 MA's), (220, 30037), (226, 30046), (239, 30070), (272, 30142), (275, 30151), (296, 30220), (320, 30271), (326, 30280), (347, 30316), (355, 30331), (361, 30349), (391, 30412), (407, 30457), (410, 30466), (480, 30586), (487, 30601), (490, 30610), (495, 30625), (504, 30655), (631, 30877), (641, 30895), (647, 30910), (667, 30952), (668, 30955), (676, 30982), (723, 31102), (766, 31195), (815, 31306), (816, 31309), (834, 31357), (852, 31384), (860, 31411), (877, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 155

Candidate Starts for Yoshi_19:

(Start: 155 @13743 has 12 MA's), (212, 13824), (230, 13854), (241, 13875), (246, 13887), (275, 13953), (286, 13992), (289, 14004), (298, 14028), (328, 14085), (330, 14088), (343, 14112), (347, 14118), (348, 14121), (367, 14166), (375, 14184), (393, 14220), (445, 14331), (467, 14367), (480, 14394), (486, 14406), (487, 14409), (500, 14451), (504, 14463), (513, 14487), (568, 14541), (613, 14640), (661, 14733), (668, 14760), (672, 14772), (695, 14817), (699, 14838), (701, 14847), (815, 15081), (816, 15084), (817, 15087), (864, 15204), (879, 15246), (902, 15330), (919, 15393),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 205

Candidate Starts for Youngblood_24:

(Start: 144 @19914 has 125 MA's), (Start: 205 @19998 has 48 MA's), (Start: 244 @20076 has 1 MA's), (279, 20163), (284, 20178), (300, 20226), (317, 20265), (359, 20352), (372, 20385), (388, 20421), (400, 20451), (402, 20457), (437, 20526), (495, 20556), (498, 20568), (499, 20571), (520, 20628), (589, 20760), (591, 20766), (614, 20832), (616, 20838), (625, 20862), (648, 20910), (662, 20934), (664, 20943), (688, 21018), (752, 21069), (758, 21084), (809, 21246), (817, 21273), (826, 21303), (868, 21408), (897, 21486), (904, 21522), (907, 21531), (916, 21564), (923, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 118

Candidate Starts for YoureAdopted_22:

(Start: 118 @17124 has 149 MA's), (Start: 144 @17154 has 125 MA's), (245, 17313), (261, 17346), (274, 17376), (283, 17409), (287, 17421), (325, 17511), (351, 17553), (381, 17625), (385, 17634), (401, 17673), (415, 17718), (424, 17739), (426, 17742), (459, 17796), (467, 17814), (487, 17856), (492, 17862), (500, 17889), (589, 18027), (598, 18045), (609, 18087), (615, 18105), (628, 18135), (643, 18162), (685, 18267), (753, 18426), (765, 18462), (777, 18492), (786, 18501), (815, 18576), (834, 18627), (907, 18822), (917, 18861), (919, 18864), (929, 18882),

Gene: YoyoKar_54 Start: 33019, Stop: 34755, Start Num: 121

Candidate Starts for YoyoKar_54:

(Start: 115 @33010 has 20 MA's), (Start: 121 @33019 has 44 MA's), (191, 33109), (248, 33226), (266, 33262), (275, 33283), (282, 33310), (284, 33316), (302, 33370), (327, 33421), (388, 33559), (392, 33565), (409, 33616), (410, 33619), (415, 33637), (493, 33688), (499, 33709), (500, 33712), (516, 33760), (520, 33766), (543, 33814), (544, 33820), (550, 33826), (573, 33886), (587, 33910), (589, 33913), (606, 33958), (610, 33973), (613, 33982), (616, 33991), (634, 34036), (648, 34054), (664, 34087), (753, 34225), (761, 34246), (782, 34312), (793, 34342), (807, 34396), (820, 34438), (826, 34459), (836, 34480), (843, 34492), (855, 34513), (869, 34567), (897, 34645), (904, 34681), (910, 34702), (917, 34729),

Gene: Yucky_18 Start: 16290, Stop: 17984, Start Num: 150

Candidate Starts for Yucky_18:

(Start: 140 @16287 has 9 MA's), (Start: 150 @16290 has 625 MA's), (222, 16389), (245, 16431), (351, 16671), (387, 16758), (397, 16779), (400, 16788), (409, 16815), (430, 16860), (458, 16893), (465, 16908), (476, 16932), (490, 16965), (500, 16998), (504, 17010), (528, 17067), (567, 17097), (580, 17115), (594, 17145), (606, 17175), (627, 17238), (657, 17289), (668, 17325), (673, 17340), (678, 17358), (699, 17415), (701, 17424), (765, 17544), (769, 17556), (798, 17604), (814, 17655), (815, 17658), (821, 17676), (858, 17754), (864, 17781), (879, 17823), (919, 17970), (923, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 150

Candidate Starts for Yummy_19:

(120, 15246), (Start: 140 @15273 has 9 MA's), (Start: 150 @15276 has 625 MA's), (274, 15486), (347, 15654), (351, 15660), (397, 15768), (409, 15804), (419, 15834), (430, 15849), (458, 15882), (462, 15894), (480, 15930), (500, 15987), (504, 15999), (587, 16119), (597, 16140), (606, 16164), (668, 16314), (673, 16329), (678, 16347), (699, 16404), (765, 16533), (769, 16545), (777, 16563), (786, 16572), (814, 16644), (815, 16647), (817, 16653), (821, 16665), (864, 16770), (867, 16779), (879, 16812), (913, 16938),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 89

Candidate Starts for Yuna_24:

(Start: 89 @16985 has 1 MA's), (101, 17015), (170, 17099), (230, 17198), (237, 17213), (245, 17231), (261, 17264), (287, 17339), (325, 17429), (347, 17465), (385, 17552), (401, 17591), (415, 17636), (426, 17660), (446, 17696), (449, 17699), (459, 17714), (467, 17732), (483, 17768), (492, 17780), (500, 17807), (598, 17963), (615, 18023), (665, 18125), (685, 18185), (707, 18260), (719, 18284), (753, 18344), (765, 18380), (771, 18398), (786, 18419), (815, 18494), (834, 18545), (837, 18551), (849, 18572), (917, 18779), (919, 18782), (929, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 121

Candidate Starts for YungJamal_61:

(Start: 115 @34918 has 20 MA's), (Start: 121 @34927 has 44 MA's), (191, 35017), (248, 35134), (266, 35170), (275, 35191), (282, 35218), (284, 35224), (294, 35254), (302, 35278), (327, 35329), (388, 35467), (392, 35473), (409, 35524), (410, 35527), (415, 35545), (493, 35596), (499, 35617), (500, 35620), (516, 35668), (520, 35674), (543, 35722), (544, 35728), (550, 35734), (573, 35794), (587, 35818), (589, 35821), (606, 35866), (610, 35881), (613, 35890), (616, 35899), (634, 35944), (648, 35962), (664, 35995), (753, 36133), (761, 36154), (782, 36220), (793, 36250), (807, 36304), (820,

36346), (826, 36367), (836, 36388), (843, 36400), (855, 36421), (869, 36475), (897, 36553), (904, 36589), (910, 36610), (917, 36637),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 105

Candidate Starts for YungMoney_33:

(86, 27299), (97, 27329), (Start: 105 @27341 has 84 MA's), (Start: 129 @27377 has 1 MA's), (Start: 155 @27410 has 12 MA's), (249, 27566), (252, 27569), (274, 27620), (275, 27623), (283, 27653), (296, 27692), (320, 27743), (326, 27752), (345, 27785), (410, 27938), (430, 27977), (466, 28028), (470, 28040), (480, 28058), (486, 28070), (490, 28082), (495, 28097), (504, 28127), (505, 28130), (513, 28151), (603, 28271), (647, 28382), (665, 28415), (677, 28457), (701, 28529), (740, 28595), (815, 28778), (816, 28781), (834, 28829), (852, 28856), (860, 28883), (877, 28937), (908, 29054), (914, 29075), (925, 29102),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 118

Candidate Starts for Yunkel11_23:

(Start: 118 @16380 has 149 MA's), (Start: 121 @16386 has 44 MA's), (Start: 144 @16410 has 125 MA's), (245, 16569), (261, 16602), (274, 16632), (275, 16635), (283, 16665), (287, 16677), (325, 16767), (351, 16809), (381, 16881), (385, 16890), (401, 16929), (415, 16974), (424, 16995), (426, 16998), (467, 17070), (487, 17112), (492, 17118), (500, 17145), (589, 17283), (598, 17301), (609, 17343), (615, 17361), (628, 17391), (685, 17523), (716, 17613), (765, 17718), (777, 17748), (815, 17832), (834, 17883), (880, 17982), (907, 18078), (917, 18117), (919, 18120), (929, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 155

Candidate Starts for Yvonnetastic_45:

(Start: 155 @30515 has 12 MA's), (202, 30581), (Start: 205 @30587 has 48 MA's), (234, 30644), (292, 30803), (295, 30815), (354, 30941), (370, 30989), (497, 31139), (515, 31190), (520, 31202), (523, 31208), (592, 31349), (601, 31364), (662, 31523), (697, 31631), (787, 31760), (789, 31766), (791, 31775), (809, 31838), (821, 31877), (824, 31886), (846, 31934), (871, 32009), (893, 32069), (905, 32117), (913, 32144), (915, 32153), (916, 32156),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 120

Candidate Starts for ZAYM_19:

(51, 16659), (76, 16854), (120, 16938), (Start: 129 @16950 has 1 MA's), (Start: 146 @16971 has 7 MA's), (279, 17208), (289, 17241), (391, 17454), (415, 17526), (443, 17568), (467, 17607), (480, 17634), (490, 17658), (503, 17700), (513, 17727), (514, 17730), (565, 17784), (568, 17790), (609, 17877), (724, 18168), (728, 18171), (765, 18261), (771, 18279), (815, 18375), (821, 18393), (868, 18510), (880, 18549), (881, 18552), (884, 18564), (905, 18639), (913, 18666),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 118

Candidate Starts for Zabiza_23:

(Start: 118 @17155 has 149 MA's), (Start: 144 @17185 has 125 MA's), (245, 17344), (261, 17377), (274, 17407), (283, 17440), (287, 17452), (325, 17542), (351, 17584), (381, 17656), (385, 17665), (401, 17704), (415, 17749), (424, 17770), (426, 17773), (459, 17827), (467, 17845), (487, 17887), (492, 17893), (500, 17920), (589, 18058), (598, 18076), (609, 18118), (615, 18136), (628, 18166), (643, 18193), (685, 18298), (753, 18457), (765, 18493), (777, 18523), (786, 18532), (815, 18607), (834, 18658), (880, 18757), (907, 18853), (917, 18892), (919, 18895), (929, 18913),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 150

Candidate Starts for Zaka_31:

(102, 19905), (Start: 130 @19947 has 8 MA's), (Start: 150 @19971 has 625 MA's), (284, 20208), (319, 20280), (320, 20283), (330, 20298), (353, 20337), (355, 20343), (401, 20454), (403, 20460), (415, 20499), (445, 20541), (467, 20580), (487, 20622), (491, 20625), (562, 20781), (624, 20922), (631, 20937), (714, 21150), (761, 21249), (769, 21276), (788, 21327), (790, 21336), (801, 21375), (805,

21390), (837, 21474), (877, 21579), (879, 21585), (916, 21720),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 121

Candidate Starts for Zakhe101_56:

(Start: 115 @33564 has 20 MA's), (Start: 121 @33573 has 44 MA's), (191, 33663), (248, 33780), (266, 33816), (275, 33837), (282, 33864), (284, 33870), (294, 33900), (302, 33924), (327, 33975), (388, 34113), (392, 34119), (409, 34170), (410, 34173), (415, 34191), (493, 34242), (499, 34263), (500, 34266), (512, 34299), (516, 34314), (520, 34320), (543, 34368), (544, 34374), (550, 34380), (573, 34440), (587, 34464), (589, 34467), (606, 34512), (610, 34527), (613, 34536), (616, 34545), (634, 34590), (648, 34608), (664, 34641), (753, 34779), (761, 34800), (782, 34866), (793, 34896), (807, 34950), (820, 34992), (826, 35013), (836, 35034), (843, 35046), (855, 35067), (869, 35121), (897, 35199), (904, 35235), (910, 35256), (917, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 162

Candidate Starts for Zameen_19:

(Start: 162 @17773 has 92 MA's), (309, 18022), (312, 18031), (320, 18049), (323, 18052), (355, 18106), (386, 18181), (411, 18250), (414, 18259), (419, 18271), (446, 18322), (462, 18349), (467, 18358), (468, 18361), (524, 18391), (526, 18394), (568, 18451), (603, 18517), (630, 18595), (646, 18628), (659, 18652), (667, 18688), (700, 18790), (722, 18847), (755, 18892), (758, 18898), (770, 18937), (868, 19177), (891, 19255),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 155

Candidate Starts for Zapner_20:

(Start: 155 @14268 has 12 MA's), (212, 14349), (230, 14379), (241, 14400), (246, 14412), (275, 14478), (286, 14517), (289, 14529), (298, 14553), (328, 14610), (330, 14613), (343, 14637), (347, 14643), (348, 14646), (367, 14691), (375, 14709), (393, 14745), (445, 14856), (467, 14892), (480, 14919), (486, 14931), (487, 14934), (500, 14976), (504, 14988), (513, 15012), (568, 15066), (613, 15165), (661, 15258), (668, 15285), (672, 15297), (697, 15348), (699, 15363), (736, 15417), (751, 15444), (815, 15606), (816, 15609), (817, 15612), (864, 15729), (879, 15771), (902, 15855), (914, 15900), (919, 15918),

Gene: Zarafa_27 Start: 19969, Stop: 21768, Start Num: 150

Candidate Starts for Zarafa_27:

(Start: 150 @19969 has 625 MA's), (Start: 199 @20029 has 1 MA's), (237, 20098), (279, 20200), (283, 20212), (284, 20215), (320, 20290), (330, 20305), (332, 20308), (353, 20344), (407, 20479), (445, 20548), (500, 20662), (562, 20788), (613, 20902), (622, 20926), (627, 20938), (631, 20944), (668, 21025), (696, 21100), (699, 21118), (701, 21127), (708, 21151), (714, 21157), (719, 21172), (740, 21214), (751, 21241), (752, 21250), (753, 21253), (761, 21274), (764, 21286), (837, 21499), (877, 21604), (879, 21610), (916, 21745),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 177

Candidate Starts for Zarbodnamra_19:

(Start: 141 @16613 has 4 MA's), (Start: 177 @16649 has 46 MA's), (237, 16751), (271, 16823), (273, 16829), (274, 16832), (316, 16928), (338, 16967), (367, 17027), (377, 17048), (400, 17102), (405, 17117), (495, 17288), (504, 17318), (617, 17501), (627, 17525), (655, 17576), (687, 17669), (695, 17681), (705, 17726), (713, 17741), (765, 17873), (766, 17876), (810, 17975), (817, 17993), (837, 18044), (866, 18104), (868, 18110), (889, 18173), (894, 18185),

Gene: Zareef_20 Start: 16723, Stop: 18405, Start Num: 160

Candidate Starts for Zareef_20:

(49, 16387), (Start: 150 @16711 has 625 MA's), (Start: 160 @16723 has 22 MA's), (289, 16975), (297, 16996), (298, 16999), (320, 17044), (330, 17059), (367, 17137), (387, 17182), (430, 17284), (458, 17317), (462, 17329), (465, 17332), (490, 17389), (500, 17422), (505, 17437), (533, 17503), (582,

17545), (587, 17554), (606, 17599), (627, 17662), (667, 17743), (673, 17761), (676, 17770), (678, 17779), (699, 17836), (701, 17845), (769, 17977), (786, 18004), (798, 18025), (814, 18076), (815, 18079), (858, 18175), (864, 18202), (867, 18211), (868, 18214), (879, 18244), (882, 18262), (898, 18307), (923, 18397),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 118

Candidate Starts for Zavala_23:

(Start: 118 @17129 has 149 MA's), (Start: 144 @17159 has 125 MA's), (245, 17318), (261, 17351), (274, 17381), (283, 17414), (287, 17426), (325, 17516), (351, 17558), (381, 17630), (385, 17639), (401, 17678), (415, 17723), (424, 17744), (426, 17747), (459, 17801), (467, 17819), (487, 17861), (492, 17867), (500, 17894), (536, 17981), (589, 18032), (598, 18050), (609, 18092), (615, 18110), (628, 18140), (643, 18167), (685, 18272), (753, 18431), (765, 18467), (777, 18497), (786, 18506), (815, 18581), (834, 18632), (907, 18827), (917, 18866), (919, 18869), (929, 18887),

Gene: Zebo_56 Start: 33478, Stop: 35214, Start Num: 121

Candidate Starts for Zebo_56:

(Start: 115 @33469 has 20 MA's), (Start: 121 @33478 has 44 MA's), (191, 33568), (248, 33685), (266, 33721), (275, 33742), (282, 33769), (284, 33775), (302, 33829), (327, 33880), (388, 34018), (392, 34024), (409, 34075), (410, 34078), (415, 34096), (493, 34147), (499, 34168), (500, 34171), (516, 34219), (520, 34225), (543, 34273), (544, 34279), (550, 34285), (573, 34345), (587, 34369), (589, 34372), (606, 34417), (610, 34432), (613, 34441), (616, 34450), (634, 34495), (648, 34513), (664, 34546), (753, 34684), (761, 34705), (782, 34771), (793, 34801), (807, 34855), (820, 34897), (826, 34918), (836, 34939), (843, 34951), (855, 34972), (869, 35026), (897, 35104), (904, 35140), (910, 35161), (917, 35188),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 152

Candidate Starts for Zeeculate_27:

(Start: 152 @21795 has 219 MA's), (Start: 173 @21816 has 4 MA's), (Start: 199 @21858 has 1 MA's), (223, 21903), (320, 22119), (347, 22164), (353, 22173), (367, 22212), (391, 22263), (393, 22266), (491, 22461), (514, 22530), (613, 22731), (614, 22734), (622, 22755), (667, 22851), (668, 22854), (670, 22860), (696, 22929), (699, 22947), (701, 22956), (714, 22986), (753, 23082), (764, 23115), (769, 23130), (815, 23271), (837, 23328), (879, 23439),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 138

Candidate Starts for Zelink_38:

(Start: 138 @28415 has 76 MA's), (Start: 205 @28505 has 48 MA's), (230, 28553), (242, 28583), (255, 28610), (292, 28712), (301, 28742), (347, 28841), (360, 28877), (362, 28883), (372, 28904), (402, 28976), (405, 28985), (411, 29006), (499, 29114), (500, 29117), (505, 29132), (520, 29171), (543, 29219), (550, 29231), (554, 29237), (577, 29294), (589, 29315), (597, 29333), (612, 29381), (660, 29483), (680, 29555), (698, 29600), (700, 29612), (710, 29747), (711, 29753), (712, 29777), (739, 29849), (750, 29876), (828, 30125),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 152

Candidate Starts for Zephyr_27:

(Start: 152 @21215 has 219 MA's), (Start: 173 @21236 has 4 MA's), (Start: 199 @21278 has 1 MA's), (223, 21323), (320, 21539), (347, 21584), (353, 21593), (367, 21632), (391, 21683), (393, 21686), (405, 21722), (430, 21779), (491, 21881), (514, 21950), (613, 22151), (614, 22154), (622, 22175), (667, 22271), (668, 22274), (670, 22280), (696, 22349), (699, 22367), (701, 22376), (714, 22406), (753, 22502), (764, 22535), (769, 22550), (815, 22691), (837, 22748), (879, 22859),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 139

Candidate Starts for Zerg_16:

(Start: 139 @14774 has 218 MA's), (207, 14861), (242, 14930), (248, 14951), (266, 14987), (282, 15035), (284, 15041), (289, 15059), (300, 15089), (353, 15194), (375, 15254), (379, 15263), (384, 15275), (388, 15284), (398, 15308), (425, 15383), (467, 15410), (474, 15416), (493, 15434), (497, 15449), (499, 15455), (512, 15491), (516, 15506), (520, 15512), (543, 15560), (550, 15572), (554, 15578), (587, 15638), (592, 15650), (606, 15686), (609, 15698), (645, 15773), (648, 15782), (660, 15800), (662, 15806), (670, 15836), (751, 15941), (753, 15953), (765, 15989), (792, 16067), (820, 16166), (826, 16187), (843, 16220), (858, 16250), (864, 16280), (867, 16289), (869, 16295), (878, 16310), (879, 16313), (883, 16337), (899, 16379), (904, 16409), (916, 16451),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 150

Candidate Starts for Zetzy_28:

(Start: 150 @19913 has 625 MA's), (Start: 199 @19970 has 1 MA's), (208, 19985), (226, 20018), (237, 20039), (Start: 244 @20054 has 1 MA's), (279, 20141), (283, 20153), (284, 20156), (320, 20231), (330, 20246), (351, 20282), (445, 20489), (514, 20642), (562, 20729), (613, 20843), (622, 20867), (631, 20885), (668, 20966), (696, 21041), (699, 21059), (708, 21092), (714, 21098), (727, 21137), (752, 21191), (753, 21194), (761, 21215), (780, 21272), (837, 21440), (877, 21545), (879, 21551), (916, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 173

Candidate Starts for Zeuska_28:

(Start: 152 @21649 has 219 MA's), (Start: 173 @21670 has 4 MA's), (Start: 199 @21712 has 1 MA's), (223, 21757), (320, 21973), (347, 22018), (353, 22027), (367, 22066), (391, 22117), (393, 22120), (491, 22315), (514, 22384), (613, 22585), (614, 22588), (622, 22609), (667, 22705), (668, 22708), (670, 22714), (696, 22783), (699, 22801), (701, 22810), (714, 22840), (753, 22936), (764, 22969), (769, 22984), (815, 23125), (837, 23182), (879, 23293),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 177

Candidate Starts for ZiggyZoo_18:

(Start: 141 @16404 has 4 MA's), (Start: 177 @16440 has 46 MA's), (237, 16542), (273, 16620), (274, 16623), (316, 16719), (338, 16758), (367, 16818), (377, 16839), (400, 16893), (405, 16908), (495, 17079), (504, 17109), (617, 17292), (627, 17316), (655, 17367), (687, 17460), (695, 17472), (705, 17517), (713, 17532), (765, 17664), (766, 17667), (810, 17766), (817, 17784), (837, 17835), (868, 17901), (889, 17964), (894, 17976),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 142

Candidate Starts for Ziko_56:

(62, 28642), (63, 28651), (64, 28657), (93, 28759), (109, 28789), (Start: 142 @28834 has 6 MA's), (241, 28975), (300, 29134), (330, 29188), (401, 29344), (457, 29443), (480, 29491), (500, 29548), (505, 29563), (580, 29653), (638, 29791), (667, 29854), (699, 29950), (734, 30001), (736, 30004), (742, 30016), (769, 30091), (775, 30106), (814, 30190), (852, 30271), (884, 30382), (914, 30487), (919, 30505),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 134

Candidate Starts for Zilizebeth_19:

(Start: 116 @16361 has 3 MA's), (Start: 134 @16385 has 48 MA's), (184, 16445), (195, 16466), (197, 16469), (259, 16589), (274, 16628), (283, 16661), (292, 16685), (342, 16805), (359, 16844), (360, 16850), (396, 16934), (398, 16940), (402, 16952), (410, 16976), (420, 17003), (437, 17021), (480, 17060), (493, 17066), (500, 17090), (520, 17144), (526, 17156), (531, 17165), (560, 17225), (597, 17303), (609, 17342), (621, 17375), (648, 17441), (659, 17456), (662, 17465), (668, 17489), (676, 17519), (680, 17531), (763, 17633), (767, 17645), (768, 17648), (770, 17654), (774, 17663), (807, 17771), (836, 17855), (874, 17954), (907, 18062), (923, 18110),

Gene: Zilla_19 Start: 16667, Stop: 18313, Start Num: 177

Candidate Starts for Zilla_19:

(Start: 141 @16631 has 4 MA's), (Start: 177 @16667 has 46 MA's), (237, 16769), (273, 16847), (274, 16850), (316, 16946), (338, 16985), (377, 17066), (400, 17120), (405, 17135), (495, 17306), (504, 17336), (617, 17519), (627, 17543), (628, 17546), (655, 17594), (687, 17687), (695, 17699), (705, 17744), (713, 17759), (765, 17891), (766, 17894), (810, 17993), (817, 18011), (837, 18062), (868, 18128), (889, 18191), (894, 18203),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 150

Candidate Starts for Zimmer_30:

(102, 22316), (Start: 130 @22358 has 8 MA's), (137, 22367), (Start: 150 @22382 has 625 MA's), (253, 22535), (283, 22616), (284, 22619), (319, 22691), (320, 22694), (332, 22712), (353, 22748), (355, 22754), (401, 22865), (445, 22952), (487, 23033), (491, 23036), (514, 23105), (562, 23192), (631, 23348), (668, 23429), (673, 23444), (764, 23672), (769, 23687), (778, 23711), (801, 23786), (805, 23801), (817, 23834), (837, 23885), (877, 23990), (916, 24131),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 165

Candidate Starts for Zion_34:

(Start: 165 @29327 has 39 MA's), (241, 29426), (273, 29495), (284, 29534), (354, 29669), (378, 29729), (464, 29882), (469, 29894), (473, 29903), (475, 29906), (496, 29951), (501, 29966), (504, 29975), (507, 29984), (531, 30038), (539, 30056), (586, 30110), (681, 30326), (718, 30419), (783, 30527), (805, 30581), (833, 30656), (884, 30785), (922, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 172

Candidate Starts for Zipp_34:

(Start: 125 @30787 has 1 MA's), (Start: 172 @30844 has 18 MA's), (189, 30865), (226, 30928), (259, 30991), (279, 31051), (283, 31063), (325, 31150), (355, 31201), (401, 31312), (410, 31339), (414, 31354), (468, 31438), (485, 31468), (489, 31477), (501, 31513), (525, 31573), (581, 31621), (585, 31630), (627, 31729), (650, 31768), (660, 31780), (696, 31897), (704, 31936), (721, 31975), (764, 32032), (785, 32071), (792, 32080), (808, 32137), (812, 32149), (834, 32206), (837, 32212), (850, 32233), (864, 32266), (880, 32311), (916, 32440), (919, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 162

Candidate Starts for Zirinka_19:

(Start: 162 @17776 has 92 MA's), (309, 18025), (312, 18034), (320, 18052), (323, 18055), (355, 18109), (386, 18184), (411, 18253), (414, 18262), (419, 18274), (424, 18286), (446, 18325), (462, 18352), (467, 18361), (468, 18364), (526, 18397), (568, 18454), (603, 18520), (646, 18631), (667, 18691), (700, 18793), (722, 18850), (770, 18940), (868, 19180), (891, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 172

Candidate Starts for Zitch_36:

(Start: 172 @28728 has 18 MA's), (189, 28749), (197, 28761), (226, 28812), (245, 28851), (259, 28875), (283, 28947), (325, 29034), (355, 29085), (365, 29115), (401, 29196), (410, 29223), (466, 29316), (485, 29352), (489, 29361), (500, 29394), (501, 29397), (525, 29457), (581, 29505), (585, 29514), (627, 29613), (650, 29652), (660, 29664), (696, 29781), (704, 29820), (721, 29859), (764, 29916), (785, 29955), (792, 29964), (808, 30021), (812, 30033), (830, 30081), (834, 30090), (837, 30096), (850, 30117), (864, 30150), (880, 30195), (897, 30246), (916, 30324), (919, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 139

Candidate Starts for Zizzle_16:

(Start: 139 @14782 has 218 MA's), (207, 14869), (Start: 233 @14914 has 2 MA's), (242, 14938), (282, 15043), (284, 15049), (289, 15067), (300, 15097), (353, 15202), (371, 15256), (375, 15262), (379, 15271), (388, 15292), (398, 15316), (410, 15352), (411, 15358), (425, 15391), (427, 15394), (441, 15403), (467, 15418), (474, 15424), (493, 15442), (497, 15457), (499, 15463), (505, 15481), (506,

15484), (512, 15499), (516, 15514), (520, 15520), (543, 15568), (550, 15580), (554, 15586), (587, 15646), (592, 15658), (606, 15694), (609, 15706), (645, 15781), (648, 15790), (660, 15808), (662, 15814), (670, 15844), (751, 15949), (753, 15961), (765, 15997), (792, 16075), (826, 16195), (843, 16228), (858, 16258), (860, 16270), (864, 16288), (866, 16294), (867, 16297), (869, 16303), (878, 16318), (879, 16321), (882, 16342), (883, 16345), (899, 16387), (904, 16417), (916, 16459), (917, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for ZoMa_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 174

Candidate Starts for Zodiariah_18:

(131, 16118), (143, 16133), (Start: 174 @16157 has 18 MA's), (Start: 185 @16169 has 2 MA's), (192, 16184), (273, 16343), (288, 16397), (295, 16418), (381, 16604), (443, 16745), (465, 16775), (468, 16784), (470, 16790), (628, 17099), (679, 17228), (681, 17231), (696, 17264), (764, 17432), (766, 17438), (811, 17537), (837, 17606), (880, 17699), (929, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 115

Candidate Starts for ZoeJ_19:

(Start: 96 @14918 has 3 MA's), (Start: 112 @14948 has 26 MA's), (Start: 115 @14954 has 20 MA's), (Start: 138 @14969 has 76 MA's), (Start: 181 @15011 has 32 MA's), (208, 15059), (230, 15098), (237, 15113), (261, 15164), (274, 15194), (283, 15227), (287, 15239), (294, 15257), (325, 15329), (330, 15335), (375, 15431), (381, 15443), (416, 15539), (467, 15632), (476, 15650), (487, 15674), (492, 15680), (504, 15719), (513, 15743), (516, 15755), (589, 15845), (593, 15854), (610, 15908), (622, 15938), (667, 16049), (685, 16100), (722, 16208), (777, 16322), (786, 16331), (815, 16406), (834, 16457), (880, 16559), (898, 16613), (917, 16694), (929, 16715),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 150

Candidate Starts for Zolita_23:

(Start: 150 @19917 has 625 MA's), (245, 20055), (284, 20154), (320, 20229), (351, 20280), (381, 20352), (387, 20367), (401, 20400), (403, 20406), (455, 20499), (500, 20601), (509, 20631), (513, 20637), (562, 20727), (580, 20757), (613, 20841), (614, 20844), (631, 20883), (640, 20901), (667, 20961), (668, 20964), (699, 21057), (752, 21198), (766, 21240), (879, 21558), (916, 21693), (919, 21702),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 138

Candidate Starts for Zombie_18:

(Start: 112 @16640 has 26 MA's), (Start: 138 @16649 has 76 MA's), (Start: 144 @16655 has 125 MA's), (149, 16661), (237, 16793), (261, 16844), (274, 16874), (280, 16898), (320, 17000), (344, 17039), (347, 17045), (355, 17060), (371, 17105), (419, 17225), (450, 17282), (467, 17321), (492, 17369), (500, 17396), (504, 17408), (548, 17489), (589, 17534), (668, 17732), (677, 17762), (685, 17780), (696, 17807), (723, 17891), (742, 17909), (749, 17924), (764, 17972), (769, 17987), (802, 18050), (821, 18107), (837, 18146), (858, 18188), (880, 18239), (907, 18335), (929, 18395),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 150

Candidate Starts for Zulu_31:

(102, 19904), (Start: 130 @19946 has 8 MA's), (Start: 150 @19970 has 625 MA's), (284, 20207), (319, 20279), (320, 20282), (330, 20297), (353, 20336), (355, 20342), (401, 20453), (403, 20459), (415, 20498), (445, 20540), (467, 20579), (487, 20621), (491, 20624), (562, 20780), (624, 20921), (631, 20936), (714, 21149), (761, 21248), (769, 21275), (788, 21326), (790, 21335), (801, 21374), (805, 21389), (837, 21473), (877, 21578), (879, 21584), (916, 21719),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 205

Candidate Starts for xkcd_25:

(Start: 144 @19915 has 125 MA's), (Start: 205 @19999 has 48 MA's), (Start: 244 @20077 has 1 MA's), (279, 20164), (284, 20179), (300, 20227), (317, 20266), (359, 20353), (372, 20386), (388, 20422), (400, 20452), (402, 20458), (437, 20527), (495, 20557), (498, 20569), (499, 20572), (520, 20629), (589, 20761), (591, 20767), (614, 20833), (616, 20839), (625, 20863), (648, 20911), (662, 20935), (664, 20944), (688, 21019), (752, 21070), (758, 21085), (809, 21247), (817, 21274), (826, 21304), (868, 21409), (897, 21487), (904, 21523), (907, 21532), (916, 21565), (923, 21580),