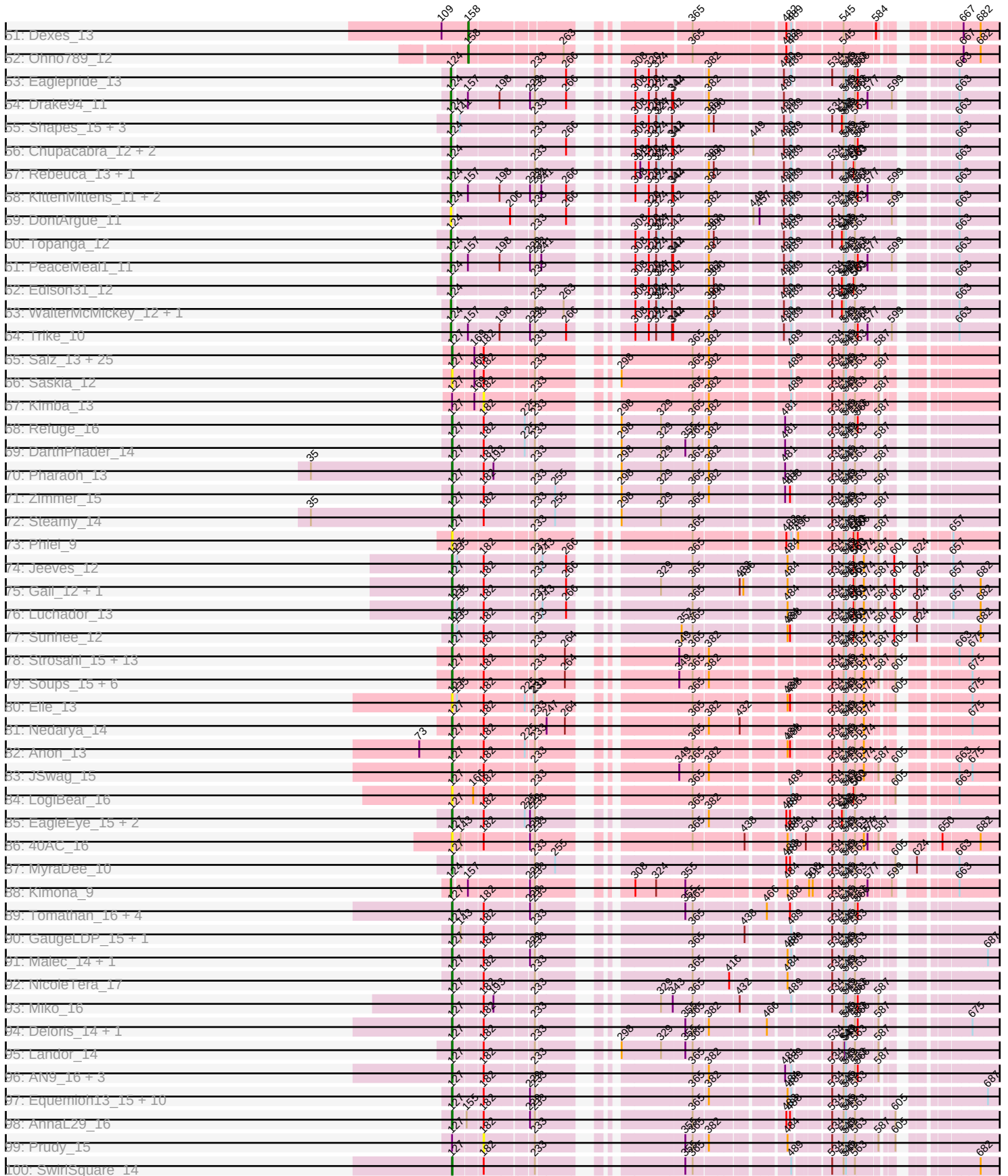


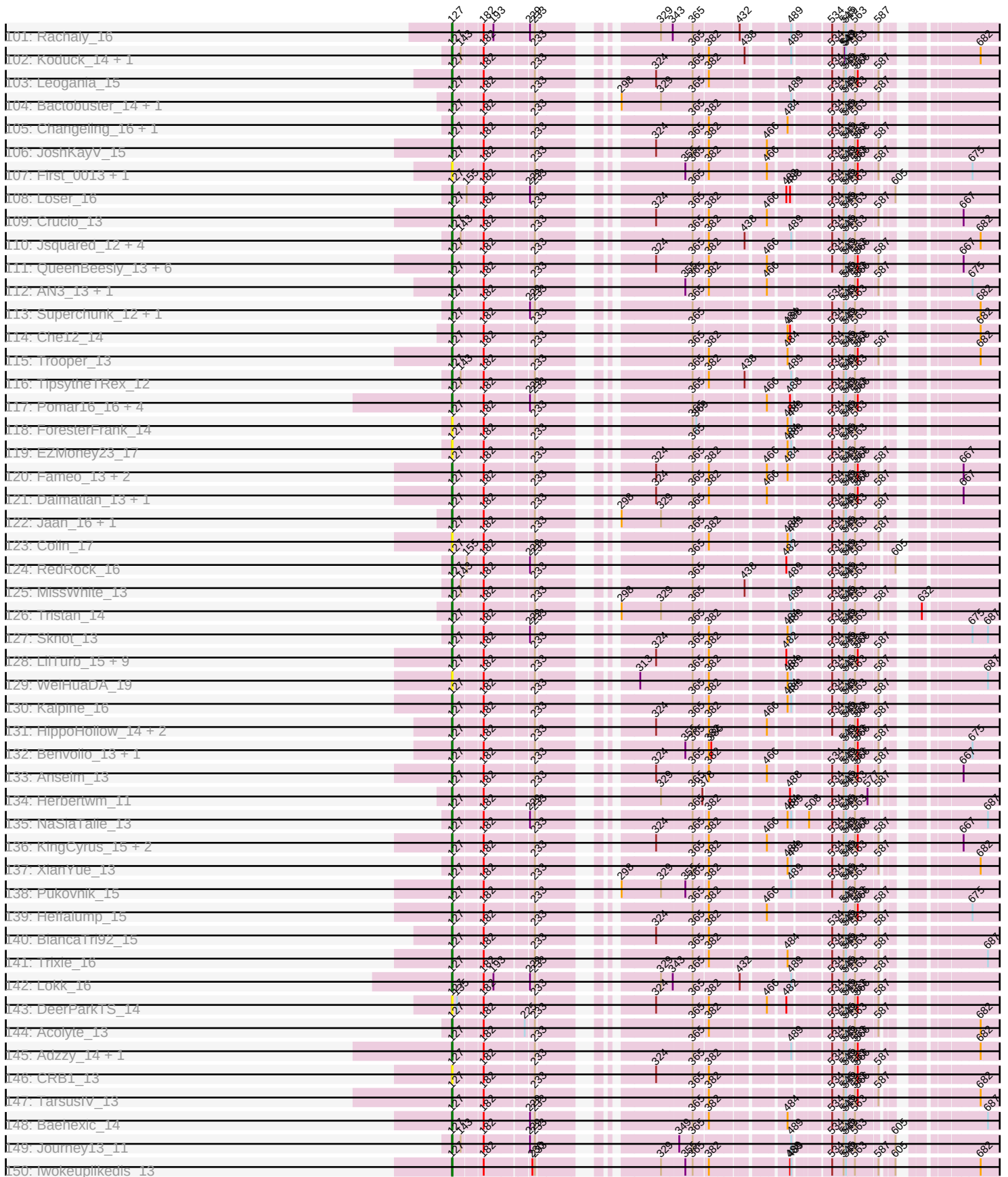
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1. Paraseleene_I1 + 40		109	158		263		365		489		545		667	682
2. Lopton_I3 + 15		109	158		263		365		489		545		667	682
3. Molly_I3 + 4		109	158		263		365		489		545		667	682
4. Francis47_I2 + 23		109	158		263		365		489		545		667	682
5. Euphoria_I2 + 25		109	158		263		365		489		545		667	682
6. Smeagol_I3		109	158		263		365		489		545		667	682
7. Thor_I2 + 11		109	158		263		365		489		545		667	682
8. STLscum_I3		109	158		263		365		489		545		667	682
9. Bigchung_I2 + 3		109	158		263		365		489		545		667	682
10. Alvin_I3 + 25		109	158		263		365		489		545		667	682
11. DreamCatcher_I5 + 2		109	158		263		365		489		545		667	682
12. BigPaolini_I3		109	158		263		365		489		545		667	682
13. Makemake_I2		109	158		263		365		489		545		667	682
14. Fushigi_I3 + 3		109	158		263		365		489		545		667	682
15. BeesKnees_I3 + 1		109	158		263		365		489		545		667	682
16. Aeneas_I4 + 9		109	158	233	263		365		489		545		667	682
17. Scowl_I3		109	158		263		365		489		545		667	682
18. MillerFeunie_I1 + 1		109	158		263		365		489		545		667	682
19. Ringer_I2		109	158		263		365		489		545		667	682
20. Marchy_I1 + 1		109	158		263		365		489		545		667	682
21. Lockley_I2 + 1		109	158		263		365		489		545		667	682
22. Ichabod_I3 + 4		109	158		263		365		489		545		667	682
23. EnzoK_I3		109	158	233	263		365		489		545		667	682
24. Mikhusell_I3 + 1		109	158		263		365		489		545		667	682
25. Applejack_I2 + 6		109	158		263		365		489		545		667	682
26. Kilgrew_I0 + 1		109	158		263		365		489		545		667	682
27. Concept_I2		109	158		263		365		489		545		667	682
28. Bircsak_I2 + 3		109	158		263		365		489		545		667	682
29. Bruns_I1		109	158		263		365		489		545		667	682
30. Jasper_I3 + 2		109	158		263		365		489		545		667	682
31. Abbyshoes_I3 + 1		109	158		263		365	342	489		545		667	682
32. Sumter_I1 + 1		109	158		263		365		489		545		667	682
33. Arcanine_I3		109	158		263		365		489		545		667	682
34. HanShotFirst_I2 + 2		109	158		263		365		489		545		667	682
35. Rajelicia_I2		109	158	233	263		365	329	489		545		667	682
36. Target_I4 + 5		109	158		263		365	365	489		545		667	682
37. Inyanga_I1		109	158		263		365		489		545		667	682
38. SpikeBT_I4 + 1		109	158		263		365		489		545		667	682
39. Peterson_I5		109	158		263		365		489		545		667	682
40. Niza_I4		109	158		263		365		489		545		667	682
41. Promouse_I1		109	158		263		365	365	489		545		667	682
42. Aisiro_I6		109	158		263		365	365	489		545		667	682
43. Arlo_I1		109	158		263		365	365	489		545		667	682
44. Zephyr_I2		109	158		263		365	365	489		545		667	682
45. Raid_I2		109	158		263		365	365	489		545		667	682
46. Atkinbua_I3 + 1		109	158		263		365	365	489		545		667	682
47. Pelly_I3		109	158		263		365	365	489		545		667	682
48. Phernsbueiler_I3 + 1		109	158		263		365	365	489		545		667	682
49. Ruthenford_I4		109	158		263		365	365	489		545		667	682
50. MrGordo_I2		109	158		263		365	365	489		545		667	682

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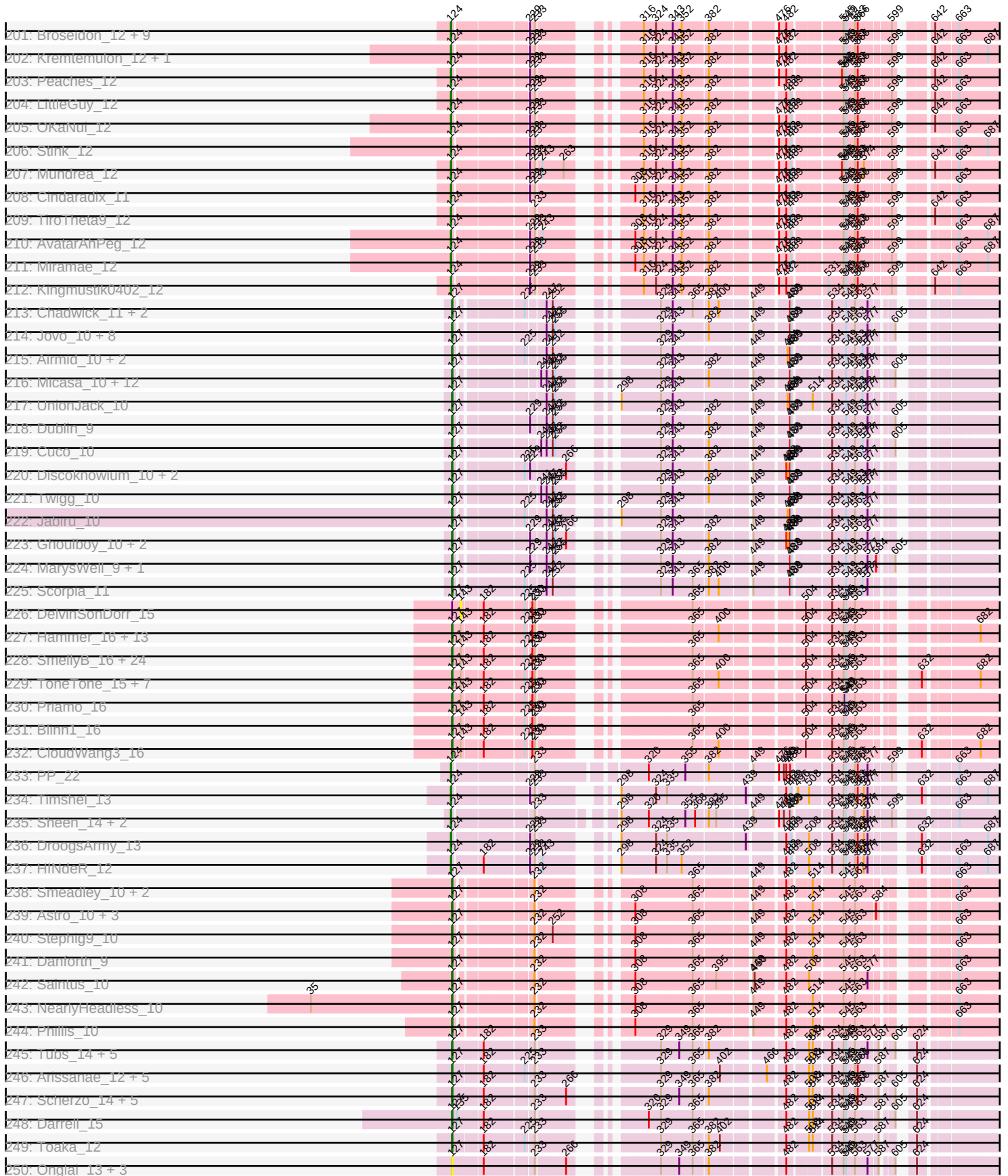
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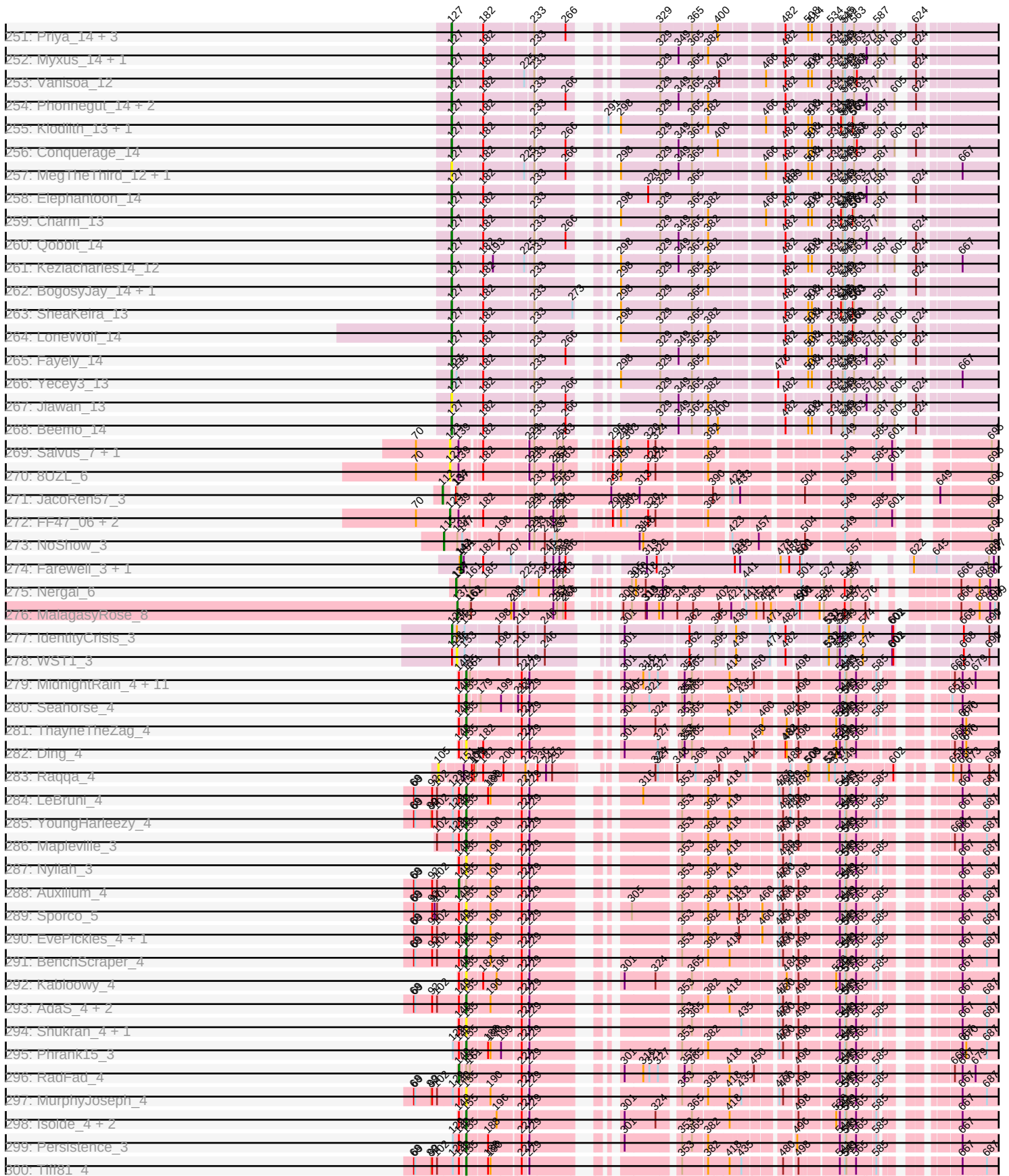
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r52: BobSwagel_I6	127	182	238	298	323	365	432	489	534	581	682
r53: NowingsSpecial_I5	127	182	238	298	323	365	432	489	534	581	682
r54: FatCactus_I1	127	182	238	298	323	365	432	489	534	581	682
r55: Anthony_I2	127	182	238	298	323	365	432	489	534	581	682
r56: Kinmap_I2	127	182	238	298	323	365	432	489	534	581	682
r57: Chargerpower_I3	127	182	238	298	323	365	432	489	534	581	682
r58: Norber_I2 + I3	127	182	238	298	323	365	432	489	534	581	682
r59: Iowa_I4 + 84	127	182	238	298	323	365	432	489	534	581	682
r60: Kachowdy_I2 + 1	127	182	238	298	323	365	432	489	534	581	682
r61: Chiqui_I1 + 1	127	182	238	298	323	365	432	489	534	581	682
r62: StepMin_I4 + 1	127	182	238	298	323	365	432	489	534	581	682
r63: Zelzy_I3	127	182	238	298	323	365	432	489	534	581	682
r64: Clammy_I2 + 8	127	182	238	298	323	365	432	489	534	581	682
r65: MAs_I2	127	182	238	298	323	365	432	489	534	581	682
r66: HelDan_I2 + 5	127	182	238	298	323	365	432	489	534	581	682
r67: JF4_I2 + 4	127	182	238	298	323	365	432	489	534	581	682
r68: Margo_I3	127	182	238	298	323	365	432	489	534	581	682
r69: Fred3I3_I2 + 1	127	182	238	298	323	365	432	489	534	581	682
r70: BabyRay_I2	127	182	238	298	323	365	432	489	534	581	682
r71: Isca_I2	127	182	238	298	323	365	432	489	534	581	682
r72: Kainoky_I5 + 1	127	182	238	298	323	365	432	489	534	581	682
r73: BubbleTrouble_I2	127	182	238	298	323	365	432	489	534	581	682
r74: Noelle_I2	127	182	238	298	323	365	432	489	534	581	682
r75: Mayonnaise_I2 + 19	127	182	238	298	323	365	432	489	534	581	682
r76: Olysses_I1	127	182	238	298	323	365	432	489	534	581	682
r77: Koan_I2 + 6	127	182	238	298	323	365	432	489	534	581	682
r78: Mee2ee_I2 + 21	127	182	238	298	323	365	432	489	534	581	682
r79: Nebs_I2 + 6	127	182	238	298	323	365	432	489	534	581	682
r80: Datway_I2 + 5	127	182	238	298	323	365	432	489	534	581	682
r81: Barumeaus_I2 + I3	127	182	238	298	323	365	432	489	534	581	682
r82: Burger_I1 + 1	127	182	238	298	323	365	432	489	534	581	682
r83: PetiteSangsue_I2 + 4	127	182	238	298	323	365	432	489	534	581	682
r84: Flux_I2	127	182	238	298	323	365	432	489	534	581	682
r85: Palestino_I2 + 1	127	182	238	298	323	365	432	489	534	581	682
r86: Eapen_I2 + 4	127	182	238	298	323	365	432	489	534	581	682
r87: Stasia_I3	127	182	238	298	323	365	432	489	534	581	682
r88: SheldonCooper_I2 + 5	127	182	238	298	323	365	432	489	534	581	682
r89: Nyxis_I2	127	182	238	298	323	365	432	489	534	581	682
r90: Skipitt_I2	127	182	238	298	323	365	432	489	534	581	682
r91: Shygu2_I2 + 1	127	182	238	298	323	365	432	489	534	581	682
r92: Rosa24_I1	127	182	238	298	323	365	432	489	534	581	682
r93: Beniusterra_I2 + 2	127	182	238	298	323	365	432	489	534	581	682
r94: TinaFeyge_I2 + 5	127	182	238	298	323	365	432	489	534	581	682
r95: Happiness_I2	127	182	238	298	323	365	432	489	534	581	682
r96: Eros_I2	127	182	238	298	323	365	432	489	534	581	682
r97: YoSam321_I2	127	182	238	298	323	365	432	489	534	581	682
r98: RockieBear_I1 + 3	127	182	238	298	323	365	432	489	534	581	682
r99: Amnyong_I2	127	182	238	298	323	365	432	489	534	581	682
200: AbbysRanger_I2	127	182	238	298	323	365	432	489	534	581	682

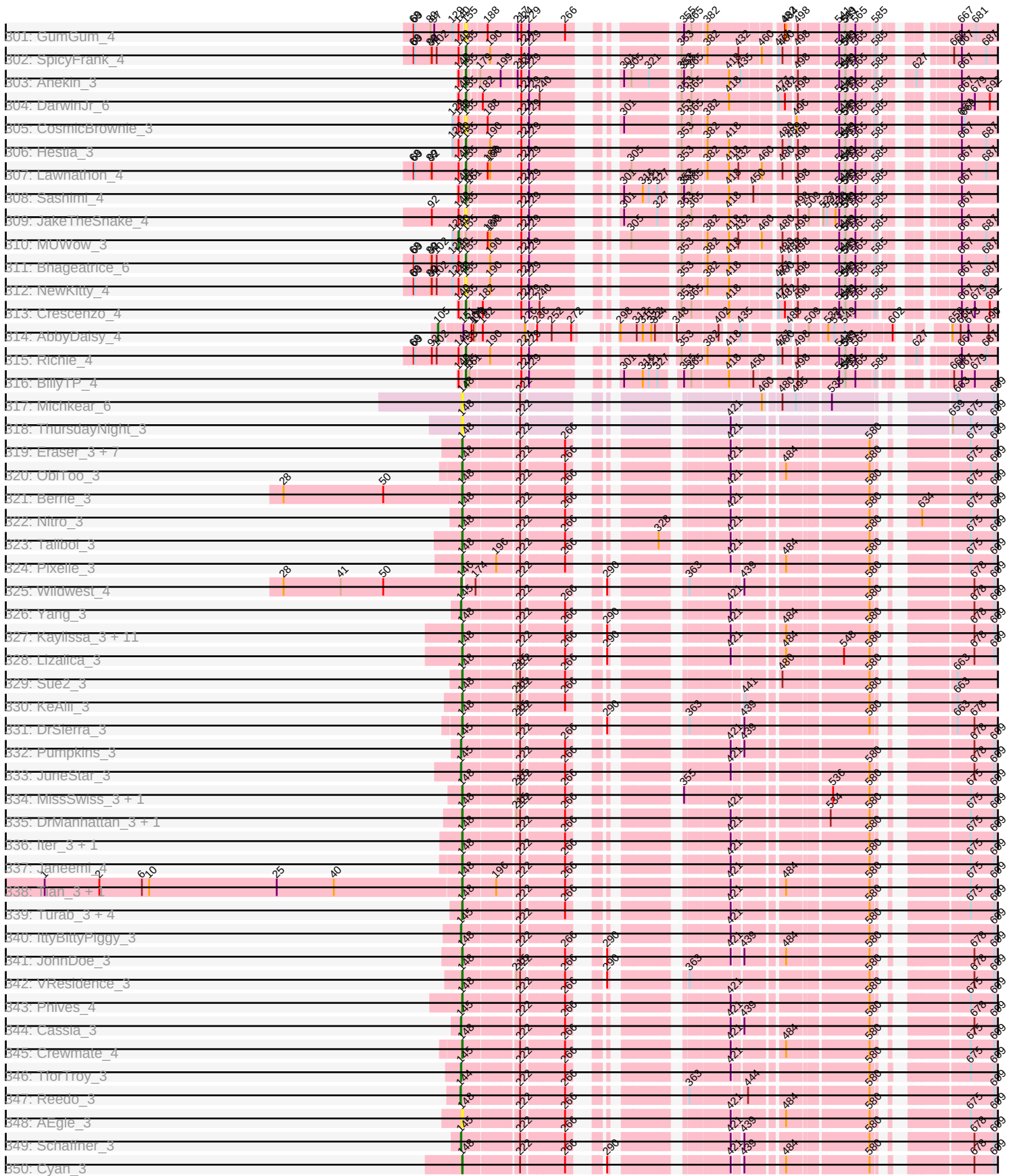
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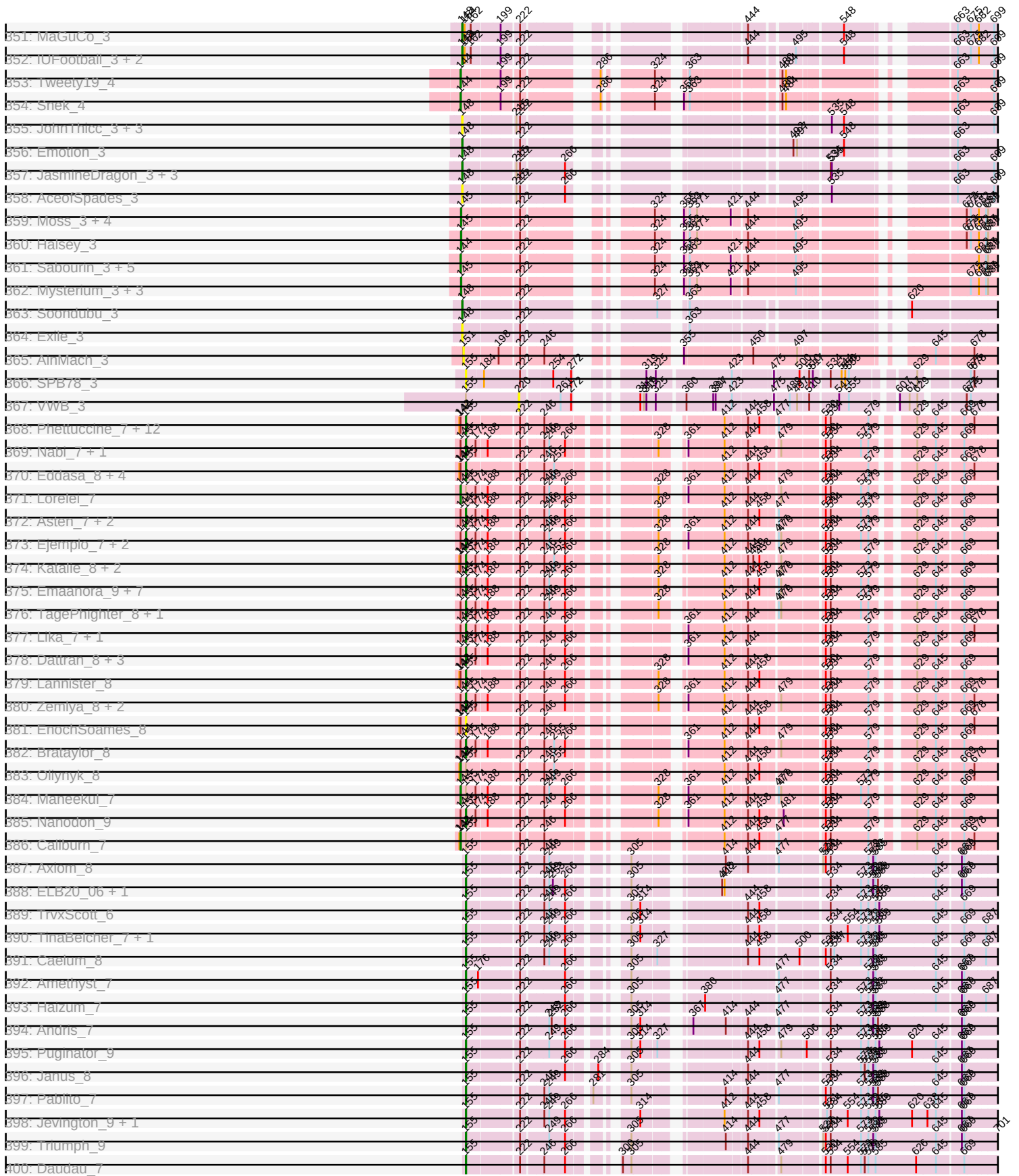
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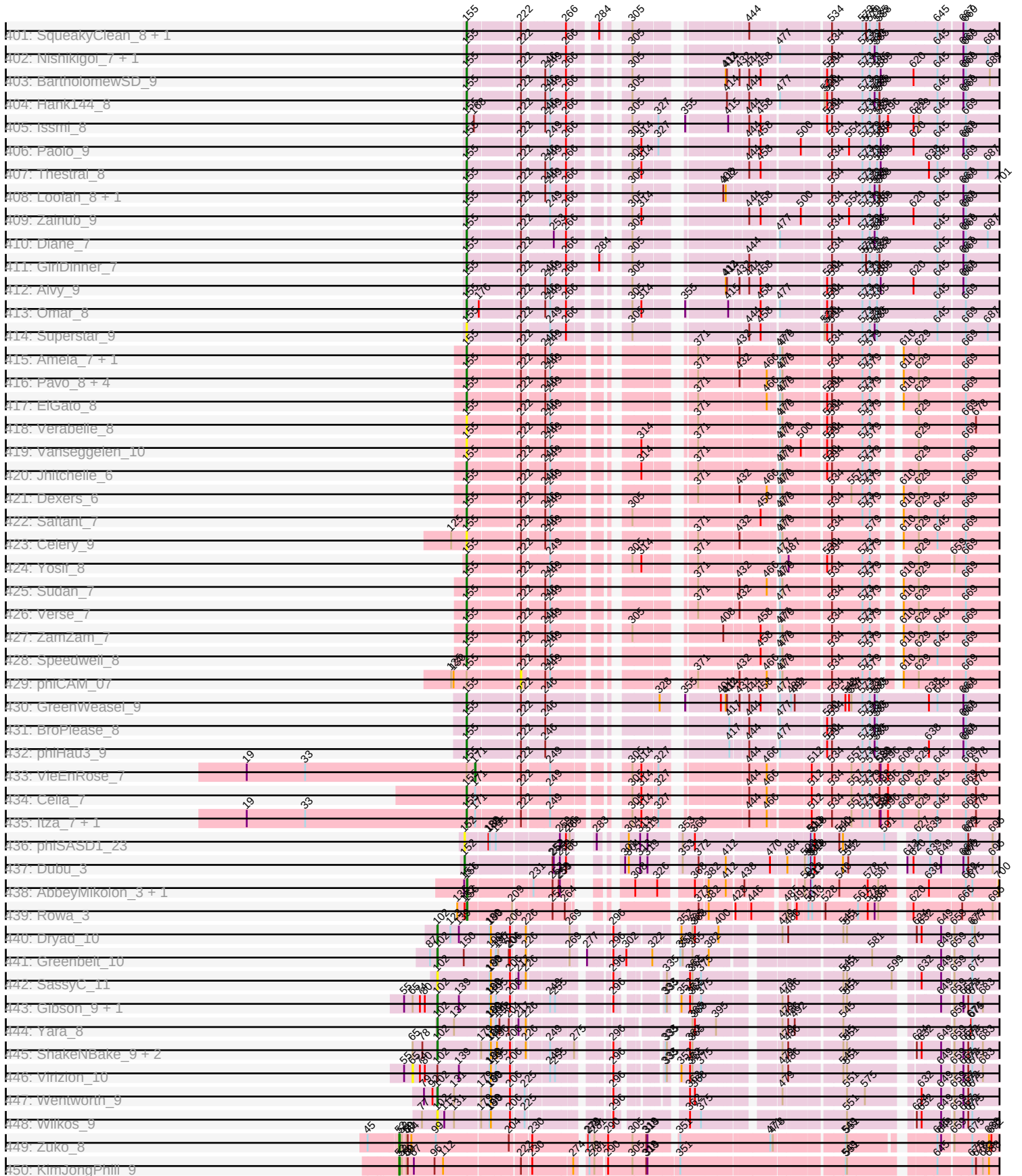
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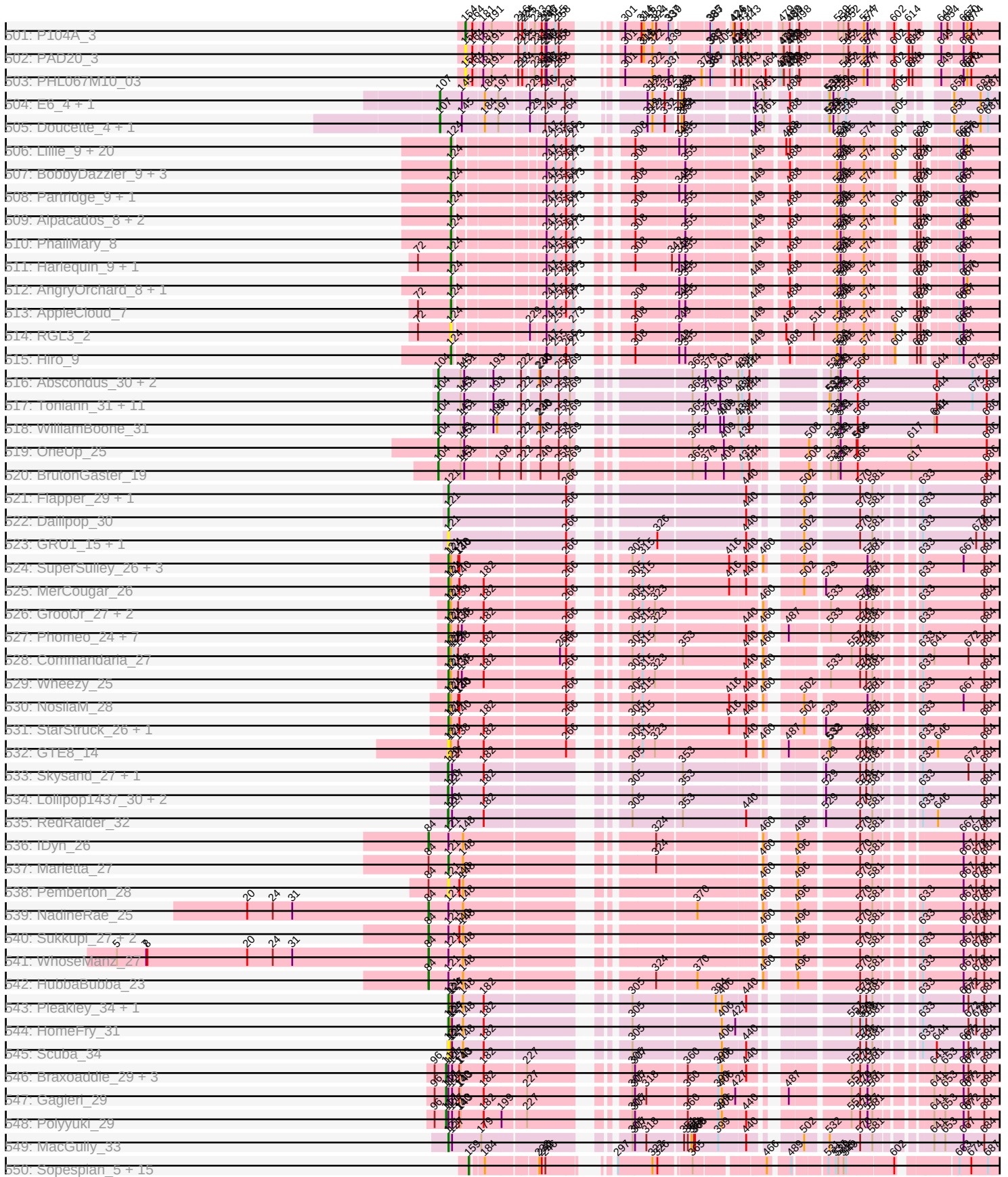
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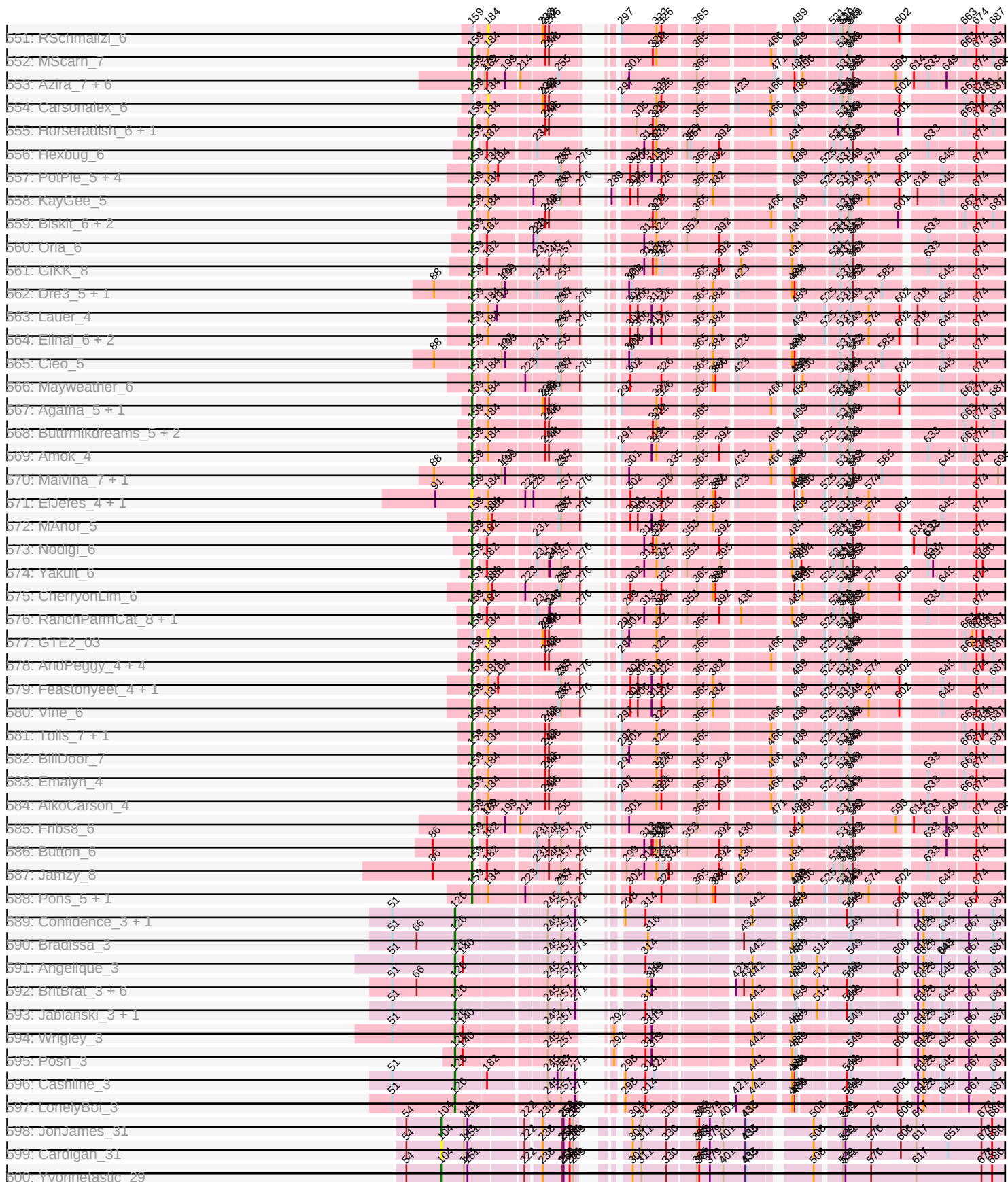
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	136	208	252	319	365	539	586	630	647	688
#51: Success_51	136	171	208	319	365	539	586	630	647	688
#52: Spooks_50	136	171	208	319	365	539	586	630	647	688
#53: Bimmel_49	136	171	208	319	365	539	586	630	647	688
#54: PI07A_3	136	171	208	319	365	539	586	630	647	688
#55: Kubed_3	136	171	208	319	365	539	586	630	647	688
#56: MEAK_3	136	171	208	319	365	539	586	630	647	688
#57: Leviosa_3	136	171	208	319	365	539	586	630	647	688
#58: PI00A_3	136	171	208	319	365	539	586	630	647	688
#59: PA6_3	136	171	208	319	365	539	586	630	647	688
#60: PAS50_3	136	171	208	319	365	539	586	630	647	688
#61: PI4.4_3	136	171	208	319	365	539	586	630	647	688
#62: P9.1_3 + 5	136	171	208	319	365	539	586	630	647	688
#63: Procrast1_3	136	171	208	319	365	539	586	630	647	688
#64: PI00D_3	136	171	208	319	365	539	586	630	647	688
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#70: SKKY_3	136	171	208	319	365	539	586	630	647	688
#71: Enoki_3	136	171	208	319	365	539	586	630	647	688
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#79: PI08C_3	136	171	208	319	365	539	586	630	647	688
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#83: PI00.1_3	136	171	208	319	365	539	586	630	647	688
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#85: PI04B_3	136	171	208	319	365	539	586	630	647	688
#86: Stormborn_3	136	171	208	319	365	539	586	630	647	688
#87: Aquarius_3	136	171	208	319	365	539	586	630	647	688
#88: Cota_3 + 1	136	171	208	319	365	539	586	630	647	688
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#93: DiParker_3	136	171	208	319	365	539	586	630	647	688
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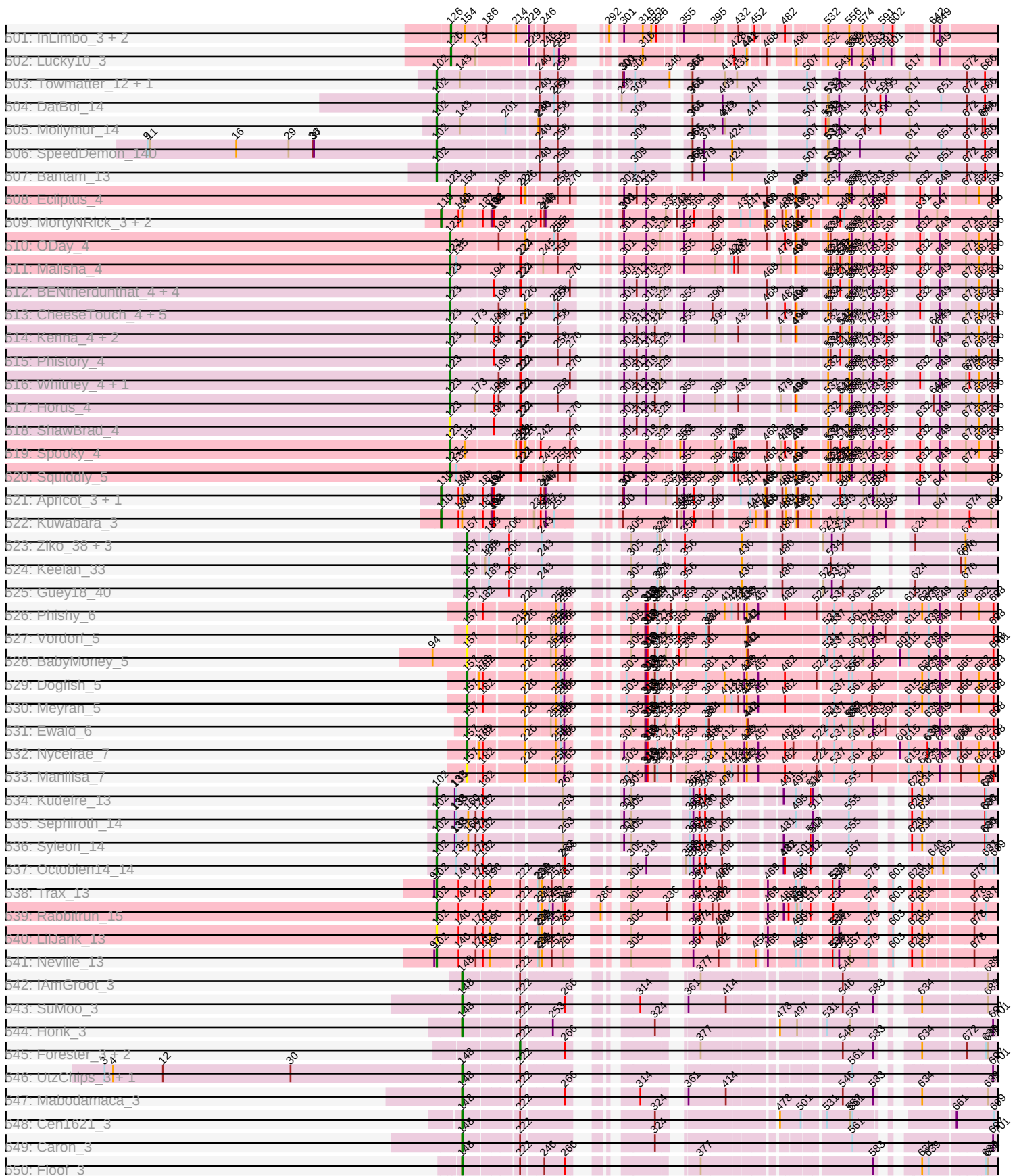
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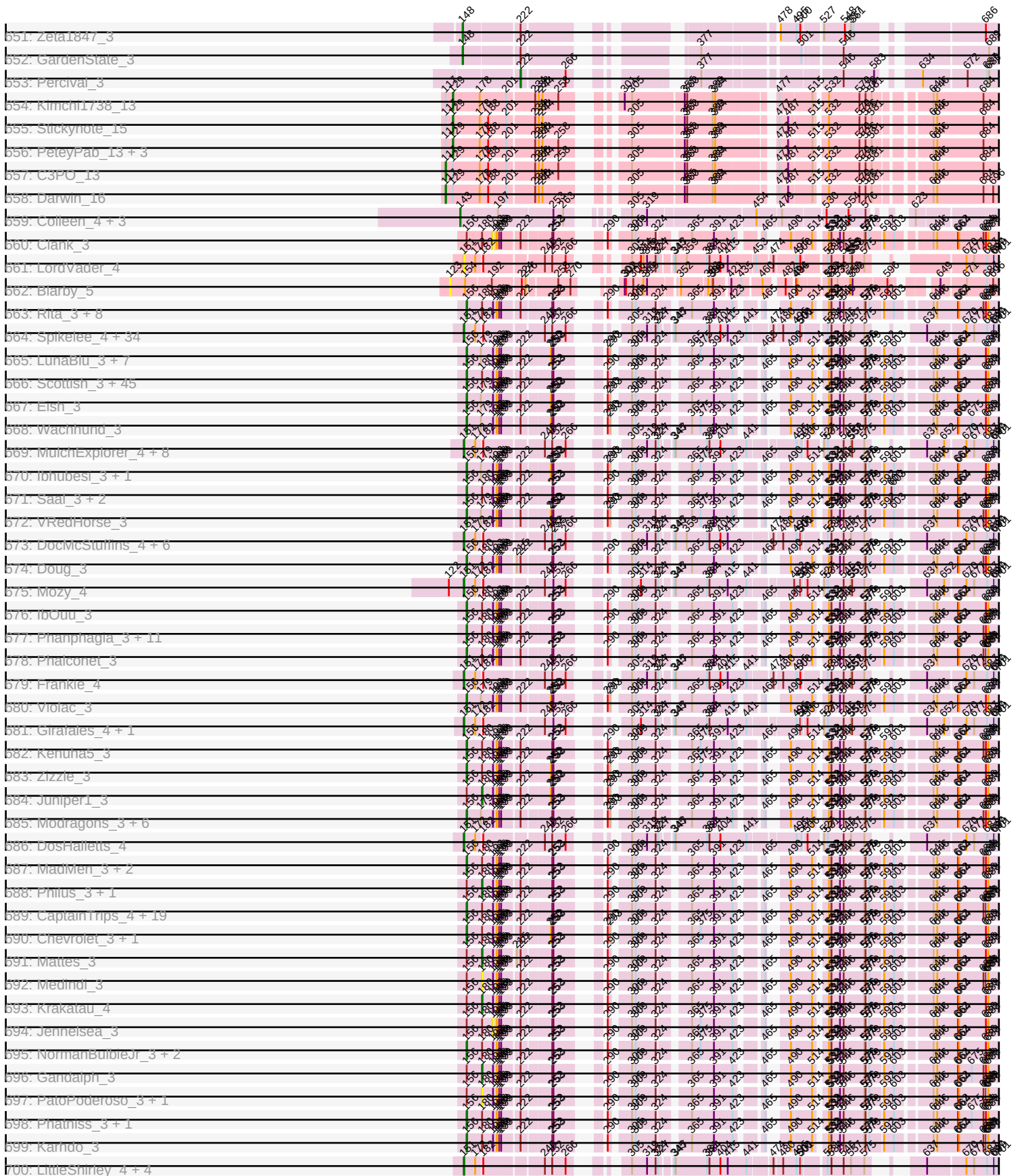
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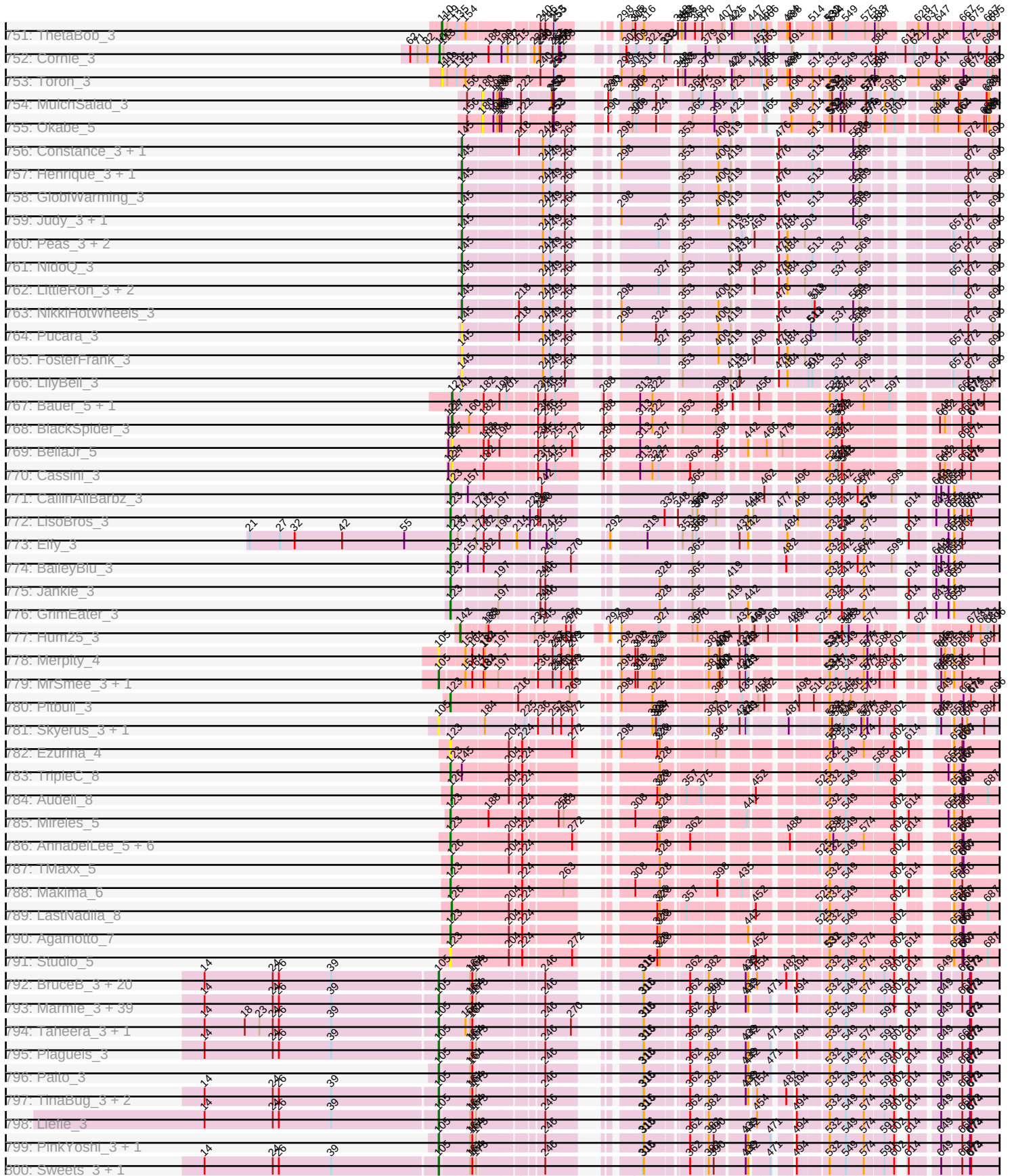
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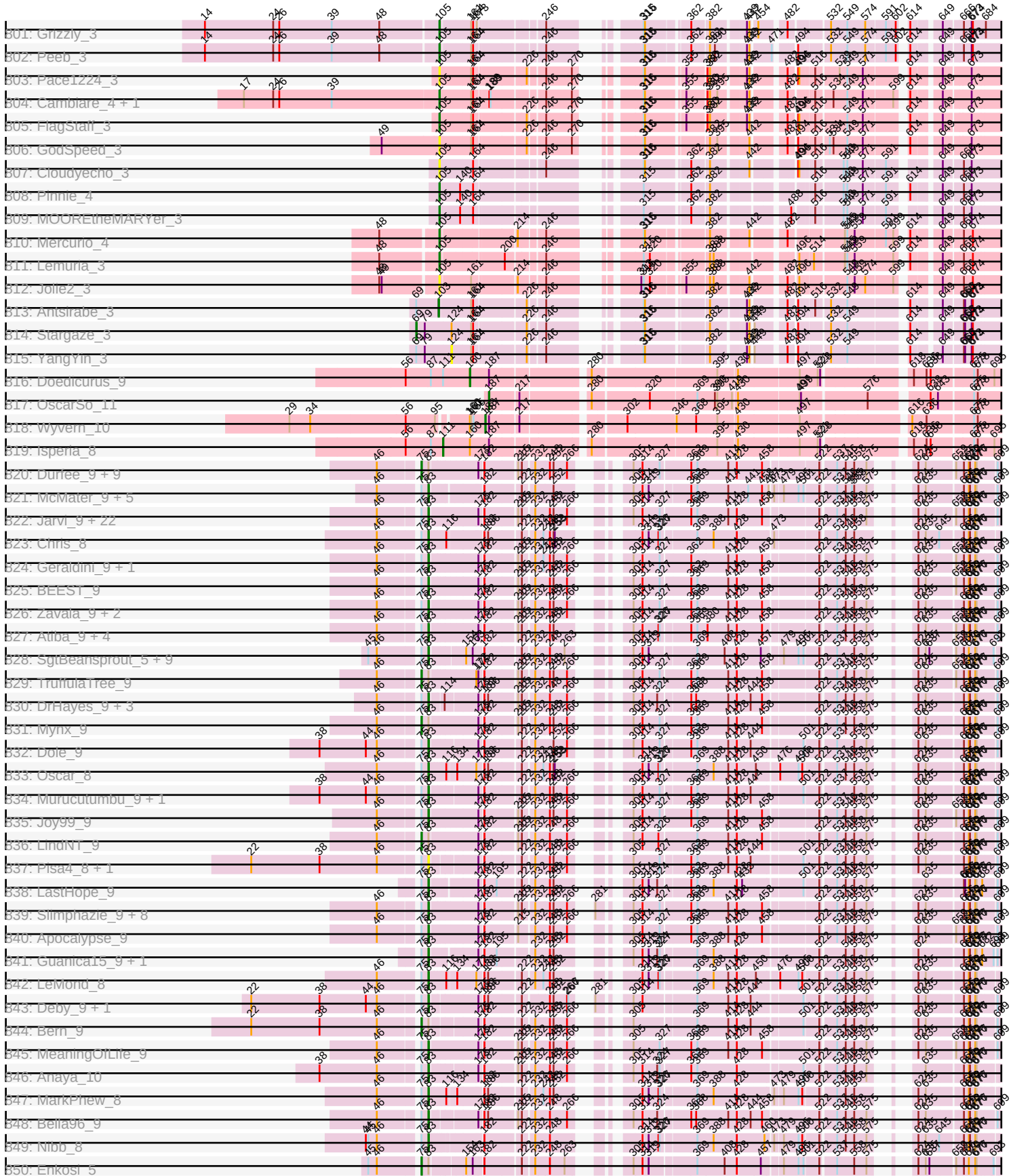
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r01: Moonbeam_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r02: Kersh_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r03: Cabrinians_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r04: Minnie_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r05: Grimmer_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r06: Hades_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r07: Millenium-orce_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r08: Bubbles123_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r09: Whouxpht_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r10: DmTech15_3 + 3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r11: Cornucopia_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r12: Fancypants_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r13: LastJedi_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r14: GOMble_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r15: Empress_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r16: InshSherpFalk_3 + 3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r17: Estave1_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r18: Florinda_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r19: Jani_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r20: SuperGrey_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r21: Maravista_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r22: Mantra_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r23: KingJulian_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r24: Nichirin_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r25: Mwanjiwa_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r26: Vivum_3	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r27: Ogopogo_5	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r28: Doread_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r29: Seagreen_4	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r30: Mova_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r31: Fastidio_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r32: Bobi_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r33: BobaPhe1_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r34: nvpio_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r35: Saboo_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r36: Leperchaun_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r37: Sandalphon_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r38: Poika14_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r39: Byougenkin_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r40: Cheeseput_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r41: ShroomBoi_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r42: Fluzino_3	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r43: Avani_4 + 1	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r44: Sou122_4	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r45: Jabbawokkie_5 + 2	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r46: Demsculpmboyz_4	123	154	191	225	245	370	390	392	398	423	465	490	514	536	578	583	646	662	675
r47: Yoshi_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r48: Squirty_4	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r49: Renaud18_3	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675
r50: rChen_3 + 1	156	160	222	253	290	309	324	365	391	423	465	490	514	536	578	583	646	662	675

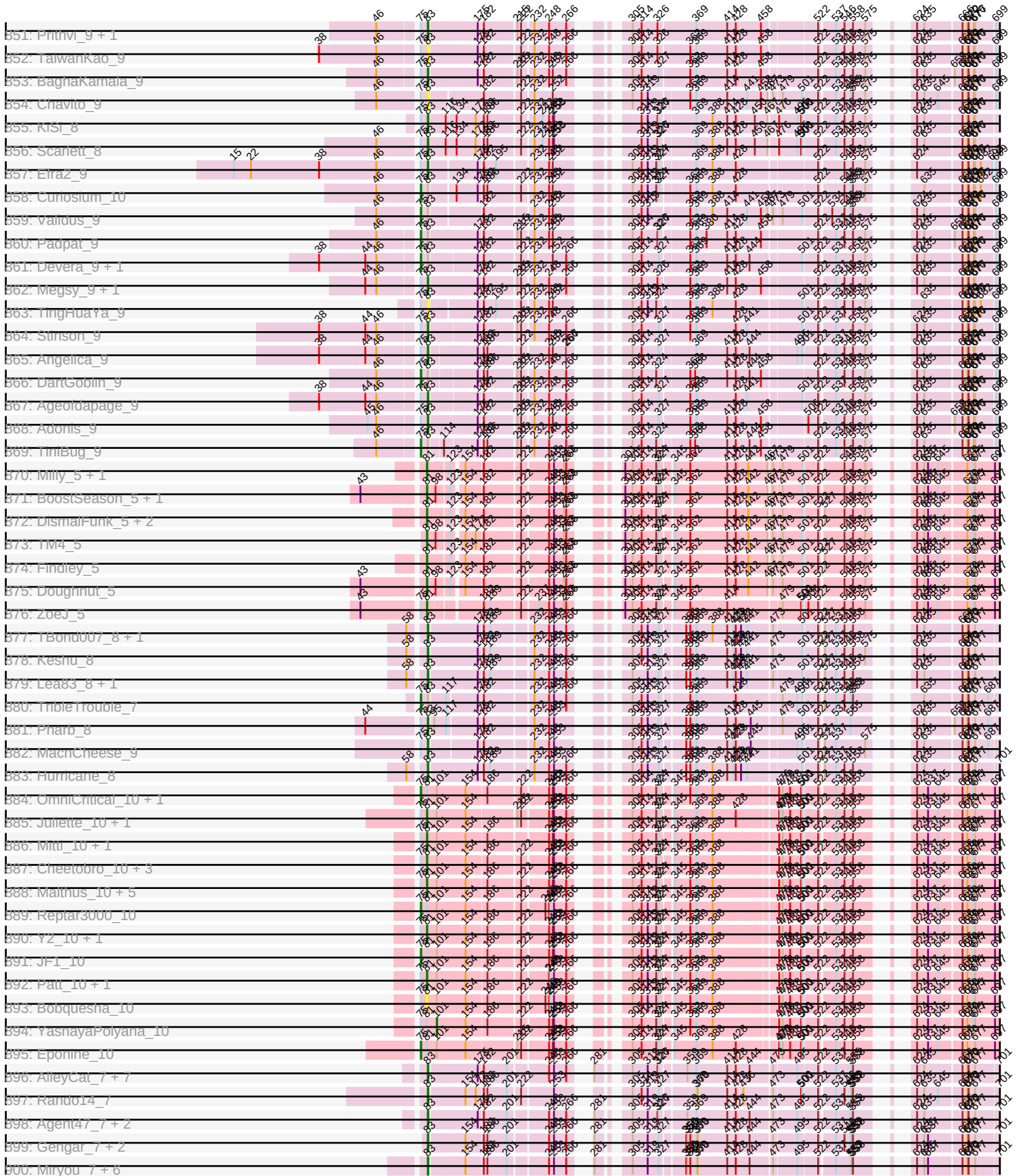
Zoomed Pham 307765



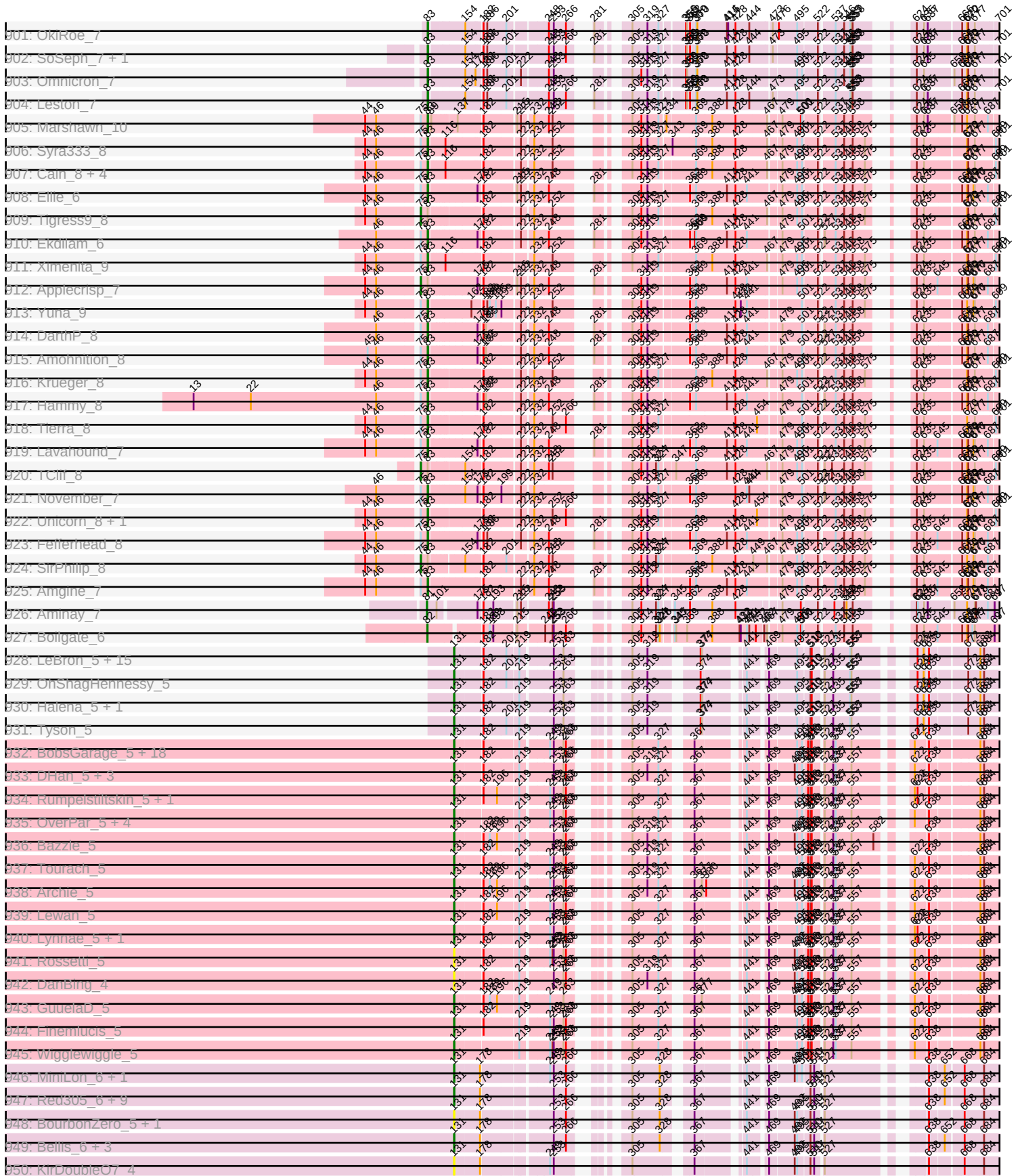
Zoomed Pham 307765



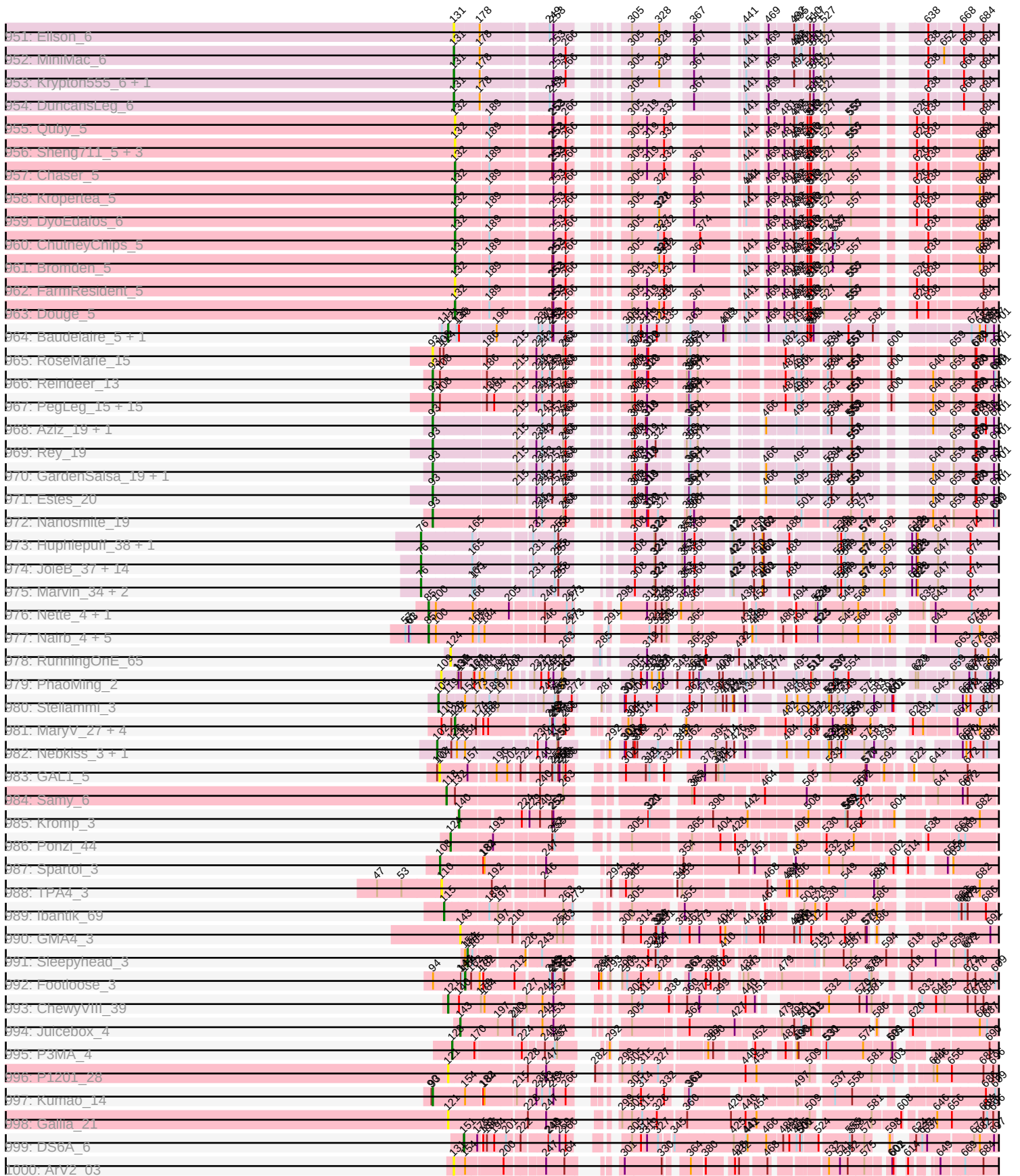
Zoomed Pham 307765



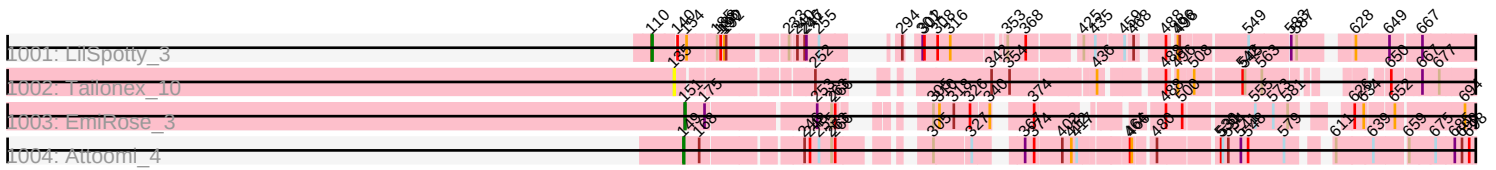
Zoomed Pham 307765



Zoomed Pham 307765



Zoomed Pham 307765



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 307765 Report

This analysis was run 06/27/26 on database version 652.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 307765 has 2396 members, 305 are drafts.

Phages represented in each track:

- Track 1 : Paraselene_11, Dynamix_13, Puppet_12, Petruchio_12, Eyeball_12, McGuire_13, QTRLifeCrisis_12, Fenn_13, Marco3_12, Topgun_12, StrongArm_11, Naira_13, Maroc7_11, Wheeler_12, BK1_10, A6_10, Rubeus_13, JackSparrow_13, MaryBeth_12, Beatrix_11, Froghopper_13, Edtherson_13, Chanagan_11, Treddle_14, Sanya_11, Traft412_14, Bexan_11, Lamina13_12, Parliament_11, MetalQZJ_12, Corvo_12, Zeuska_13, Adahisdi_13, Tasp14_13, Paphu_11, Espresso_12, Licorice_14, Homines_12, Trouble_12, Oogway_11, Marcell_12
- Track 2 : Lopton_13, Acme_14, BigMau_14, Jerm2_13, Rohr_13, BaconJack_14, Museum_14, PascalRango_11, PattyP_14, Petp2012_14, MPlant7149_11, Sibs6_14, Pinto_14, BPBiebs31_13, Burton_13, Bob3_11
- Track 3 : Molly_13, Switzer_13, Gandalf20_13, Pippin_14, U2_12
- Track 4 : Francis47_12, Agaliana_12, Tote_14, ChristmasHams_12, Sagefire_13, Perseus_13, Ajay_12, JuliaChild_14, PacerPaul_12, Buttons_13, Abrogate_130, Anglerfish_13, PowerRanger_12, Moose_11, Turj99_11, Forsytheast_11, TheloniousMonk_14, Hami1_14, Snazzy_10, Bones_12, Swole_14, SwissCheese_12, BarrowTuph_11, LunarLander_12
- Track 5 : Euphoria_12, RidgeCB_12, Pita2_14, Dulcie_11, Slagathor_13, StewieG_11, Magnito_11, Crispicous1_11, Ashballer_11, Graduation_14, Monet_14, Wilkins_12, Mryolo_11, Rhynn_12, Iqorha_11, Manatee_13, Hope4ever_12, Cueylyss_12, PSullivan_14, Solon_12, Blue_12, Gachnar_12, Lesedi_11, Teodoridan_10, Zeeculate_11, Nhonho_12
- Track 6 : Smeagol_13
- Track 7 : Thor_12, Pepe_13, Levia_12, SarFire_12, Kenmech_15, NEHalo_12, Violet_11, Pari_13, TwoPeat_13, SkiPole_14, GMonster_11, PhineBark_11
- Track 8 : STLscum_13
- Track 9 : Bigchung1_12, IgnatiusPatJac_11, Barriga_12, BluSpix_12
- Track 10 : Alvin_13, Aldrich_13, Doom_12, Noxious_14, Blackflame_12, Hermia_14, Watermelon_14, AFIS_12, HarryOW_13, CactusRose_11, GrecoEtereo_13, Gwendoluna_14, Fascinus_11, Bigfoot_11, Sorpresa_12, CartmannCramer_12, Sandaddy_11, ShortQueendom_12, KikiBouba_14, Michley_12, Ruotula_11, CatBus_13, DirtDevil_13, GroundGoblin_13, Philipppers_11, Norz_14
- Track 11 : DreamCatcher_15, HermioneGrange_13, Kanely_13
- Track 12 : BigPaolini_13

- Track 13 : Makemake_12
- Track 14 : Fushigi_13, Smairt_13, KyMonks1A_14, KBG_13
- Track 15 : BeesKnees_13, Bethlehem_12
- Track 16 : Aeneas_14, Mule_12, Fajezeel_14, Marge_13, Greg_14, Magnar_12, PhrostyMug_12, Gyzlar_14, PinkPlastic_11, Seanderson_13
- Track 17 : Scowl_13
- Track 18 : MilleFeuille_11, Rufus_13
- Track 19 : Ringer_12
- Track 20 : Marchy_11, Payneful_12
- Track 21 : Lockley_12, DD5_13
- Track 22 : Ichabod_13, Squee_13, Altman_13, Ciao_12, KSSJEB_12
- Track 23 : EnzoK_13
- Track 24 : Mkhusele_13, Marsha_12
- Track 25 : Applejack_12, Nerujay_13, DrFeelGood_11, Sunshine924_11, McSinger_13, JC27_14, ILeeKay_14
- Track 26 : Killigrew_10, Blesser_12
- Track 27 : Concept11_12
- Track 28 : Bircsak_12, Briton15_14, LilBib_13, Gompeii16_12
- Track 29 : Bruns_11
- Track 30 : Jasper_13, Carlyle_14, Dreamboat_13
- Track 31 : Abbyshoes_13, Dussy_13
- Track 32 : Sumter_11, Tripl3t_13
- Track 33 : Arcanine_13
- Track 34 : HanShotFirst_12, Seabiscuit_14, Papez_14
- Track 35 : Rajelicia_12
- Track 36 : Target_14, BillKnuckles_13, Bxb1_11, Kugel_13, Whitspit_13, Kykar_10
- Track 37 : Inyanga_11
- Track 38 : SpikeBT_14, GageAP_14
- Track 39 : Peterson_15
- Track 40 : Niza_14
- Track 41 : ProMouse_11
- Track 42 : Alsfro_16
- Track 43 : Arlo_11
- Track 44 : Zephyr_12
- Track 45 : Raid_12
- Track 46 : Atkinbua_13, Big3_12
- Track 47 : Pelly_13
- Track 48 : PherrisBueller_13, Jorgensen_12
- Track 49 : Rutherford_14
- Track 50 : MrGordo_12
- Track 51 : Dexes_13
- Track 52 : Ohno789_12
- Track 53 : Eaglepride_13
- Track 54 : Drake94_11
- Track 55 : Shapes_15, RhynO_13, DustyMartin_15, Rowdy_15
- Track 56 : Chupacabra_12, Goose_12, OKCentral2016_12
- Track 57 : Rebeuca_13, Kristoff_13
- Track 58 : KittenMittens_11, Severus_11, Poompha_11
- Track 59 : DontArgue_11
- Track 60 : Topanga_12
- Track 61 : PeaceMeal1_11
- Track 62 : Edison31_12
- Track 63 : WalterMcMickey_12, Twister_12

- Track 64 : Trike_10
- Track 65 : Salz_13, Et2Brutus_12, Bachome_13, Timothy_13, Petersenfast_12, Gilberta_13, Mulciber_13, Bud_13, Mabel_13, Hutc2_13, Munch_13, Ebony_13, Lucivia_13, MaCh_13, Orange_13, Jabith_13, Flaverint_13, Bowtie_13, Sham4_13, Joselito_13, Wolpertinger_12, Snape_13, Insomnia_13, TinyTimmy_13, Fibonacci_13, Aneem_13
- Track 66 : Saskia_12
- Track 67 : Kimba_13
- Track 68 : Refuge_16
- Track 69 : DarthPhader_14
- Track 70 : Pharaoh_13
- Track 71 : Zimmer_15
- Track 72 : Steamy_14
- Track 73 : Phlei_9
- Track 74 : Jeeves_12
- Track 75 : Gail_12, SororFago_12
- Track 76 : Luchador_13
- Track 77 : Sunhee_12
- Track 78 : Strosahl_15, Switzerland_15, LastResort_15, ShayRa_16, KatherineG_15, Remus_15, ReMo_15, MinecraftSteve_16, Battleship_16, DekHockey33_15, Waits_15, Nebulosus_15, Looper_16, Epsocamisio_15
- Track 79 : Soups_15, Anaysia_15, Boohoo_15, Ravana_15, Warrior24_15, Rosalind_15, Oofda_15
- Track 80 : Elle_13
- Track 81 : Nedarya_14
- Track 82 : Anon_13
- Track 83 : JSwag_15
- Track 84 : LogiBear_16
- Track 85 : EagleEye_15, Lucyedi_14, PainterBoy_14
- Track 86 : 40AC_16
- Track 87 : MyraDee_10
- Track 88 : Kimona_9
- Track 89 : Tomathan_16, D32_16, Naji_16, Travvers_16, D29_14
- Track 90 : GaugeLDP_15, BabyBack_15
- Track 91 : Malec_14, Larenn_14
- Track 92 : NicoleTera_17
- Track 93 : Miko_16
- Track 94 : Deloris_14, BengiVuitton_14
- Track 95 : Landor_14
- Track 96 : AN9_16, VC3_16, ANI8_16, C3_11
- Track 97 : Equemioh13_15, Drake55_15, WideWale_15, Piro94_14, Flare16_13, Centaur_15, HarryHoudini_15, Updawg_15, Gratitude_14, MiculUcigas_13, Terrific_17
- Track 98 : AnnaL29_16
- Track 99 : Prudy_15
- Track 100 : SwirlSquare_14
- Track 101 : Rachaly_16
- Track 102 : Koduck_14, L5_14
- Track 103 : Leogania_15
- Track 104 : Bactobuster_14, IronMan_15
- Track 105 : Changeling_16, ArcherNM_15
- Track 106 : JoshKayV_15
- Track 107 : First_0013, 20ES_13

- Track 108 : Loser_16
- Track 109 : Crucio_13
- Track 110 : Jsquared_12, Bradman_12, Quokka_11, Serenity_12, MajorMajor_12
- Track 111 : QueenBeesly_13, Retro23_13, Georgie2_14, SweetiePie_13, Power_13, SnapTap_13, FiringLine_13
- Track 112 : AN3_13, VA6_13
- Track 113 : Superchunk_12, Caraxes_12
- Track 114 : Che12_14
- Track 115 : Trooper_13
- Track 116 : TipsytheTRex_12
- Track 117 : Pomar16_16, DBQu4n_16, StarStuff_16, Kerberos_16, Duplo_16
- Track 118 : ForesterFrank_14
- Track 119 : EZMoney23_17
- Track 120 : Fameo_13, QueenB2_13, DudeLittle_13
- Track 121 : Dalmatian_13, SemperFi_15
- Track 122 : Jaan_16, Phaded_16
- Track 123 : Colin_17
- Track 124 : RedRock_16
- Track 125 : MissWhite_13
- Track 126 : Tristan_14
- Track 127 : Sknot_13
- Track 128 : LilTurb_15, Jerm_15, Buggy_15, Smeagan_15, Leviathan_15, Turbido_15, Dignity_15, AbbyPaige_15, Whabigail7_15, Agape74_15
- Track 129 : WeiHuaDA_19
- Track 130 : Kalpine_16
- Track 131 : HippoHollow_14, LionsBait_14, LadyBird_13
- Track 132 : Benvolio_13, Echid_13
- Track 133 : Anselm_13
- Track 134 : Herbertwm_11
- Track 135 : NaSiaTalie_13
- Track 136 : KingCyrus_15, EvilGenius_15, ChipMunk_15
- Track 137 : XianYue_13
- Track 138 : Pukovnik_15
- Track 139 : Heffalump_15
- Track 140 : BiancaTri92_15
- Track 141 : Trixie_16
- Track 142 : Lokk_16
- Track 143 : DeerParkTS_14
- Track 144 : Acolyte_13
- Track 145 : Adzzy_14, Ph8s_14
- Track 146 : CRB1_13
- Track 147 : TarsusIV_13
- Track 148 : Baehexic_14
- Track 149 : Journey13_11
- Track 150 : Iwokeuplikedis_13
- Track 151 : Odin_12
- Track 152 : BobSwaget_16
- Track 153 : NothingSpecial_15
- Track 154 : FatCactus_11
- Track 155 : Anthony_12
- Track 156 : Kinmap_12
- Track 157 : Chargerpower_13

- Track 158 : Norbert_12, Noella_13, Texage_12, Caviar_13, Popcicle_13, Veracruz_12, ResDef_13, EtoileNova_13, Pocahontas_13, Lambert1_13, Panamaxus_13, Todacoro_13, Hookmount_13, QuinnKiro_12
- Track 159 : Lowa_14, Malinsilva_16, Heliosoles_14, SoYo_14, Grub_14, HaveUMetTed_15, KADY_15, Marie_14, Misomonster_16, PGHhamlin_16, Dieselweasel_14, MuchMore_16, Manu_15, Daishi_13, Tiffany_14, Phoebe_14, Taurus_14, LBerry_14, Groupthink_15, Phranny_15, MarQuardt_14, Jobu08_14, Sabia_14, Rummer_14, LugYA_16, LarryKay_14, Louie6_14, Spike509_14, P28Green_14, TinyPebbles_14, Calvinny_15, HashRod_15, Croquant_15, OlanP_14, Colbster_14, Kalb97_15, Grum1_14, Grif_14, Beauxregard13_14, JeppNRM_15, Pembroke_14, Pawn_14, Fernando_14, GingkoMaracino_14, Stagni_14, JenCasNa_14, Wooldri_16, Hercules11_14, MoneyMay_14, Bxz2_14, ACFishhook_14, Ollie_14, PotatoSplit_15, Farber_14, Microwolf_14, AgronaGT15_14, Vix_14, Gemma_14, BuzzBuzz_13, Lilith_14, JHC117_14, GtownJaz_14, PurpleHaze_14, Penny1_14, EpicPhail_14, ClownCar_15, Montavir_13, Phoxy_14, Aglet_14, Watson_14, Snickers_14, Anubis_16, SoilDragon_14, Bigflo_14, MadMarie_14, Methuselah_14, PhishRPhriends_13, Gwennie_13, BreSam8_14, Reba_15, DaHudson_14, Soshari_16, Mainiac_14, Cullens_14, AugsMagnumOpus_16
- Track 160 : Kachowdy_12, Heathen_12
- Track 161 : Chiqui_11, BabyJohn_11
- Track 162 : StepMih_14, Sabinator_14
- Track 163 : Zetzy_13
- Track 164 : Clammy_12, Idleandcovert_12, TNguyen7_12, SaturnRing_12, Puppy_13, Bugatti_12, Giroux_13, Pistachio_13, BlueBird_13
- Track 165 : MA5_12
- Track 166 : HelDan_12, Phantastic_12, Zarafa_12, Roimos_12, DropBear_12, Marchesa_12
- Track 167 : JF4_12, Rockstar_12, JF2_12, B1_10, MK4_12
- Track 168 : Margo_13
- Track 169 : Fred313_12, Scout_12
- Track 170 : BabyRay_12
- Track 171 : Isca_12
- Track 172 : Kalnoky_15, Marius_15
- Track 173 : BubbleTrouble_12
- Track 174 : Noelle_12
- Track 175 : Mayonnaise_12, Chaph_12, Nemo27_12, Thanksgivukkah_12, Cocoaberry_12, Maverick_12, Deano_12, PeterPeter_12, Huxley_12, Phacado_12, Gadost_12, NotAPhaseMom_12, Millski_12, Wander_12, Taquarus_12, Iceman_12, Bruiser_12, Houdini22_12, Mazhar510_12, Caelakin_12
- Track 176 : Ulysses_11
- Track 177 : Koan_12, Arturo_11, Camperdownii_11, Abdiel_12, Kyee_12, Medusa_12, Phontbonne_12
- Track 178 : MeeZee_12, Alberto7_13, SteMason_12, TygerBlood_12, Wilbur_12, Sabertooth_12, Baby16_12, Romney_12, NorthStar_12, Florean_12, Dhanush_12, Sparxx_12, Ruin_12, Tinybot_11, ICleared_12, KFPoly_12, KekoraPapaka_11, Phelipe_12, Jaykayelowell_12, Albee_12, Holli_12, Lemur_12
- Track 179 : Nebs_12, Polymorphads_12, Ohfah_12, Eurydice_12, LeoAvram_12, Morrow_12, Bombshell_12
- Track 180 : Datway_12, Wile_12, Xena_12, Backyardigan_12, Badger_12, Achebe_12
- Track 181 : Bartimeaus_12, JoongJeon_12, LappelDuVide_12, Scamp_12, JetBlade_12, Clarenza_12, Citius_12, Druantia_12, Roosevelt_12, Wizard007_12,

Blackmoor_12, Sultana_12, CentreCat_12, Avle17_12

- Track 182 : Burger_11, Lorenzo_12
- Track 183 : PetiteSangsue_12, Katalie136_12, Perplexer_12, Bumblebee11_12, Morpher26_12
- Track 184 : Flux_12
- Track 185 : Palestino_12, Connomayer_12
- Track 186 : Eapen_12, Kratark_12, Phighter1804_12, DirtyDunning_12, Iracema64_12
- Track 187 : Stasia_13
- Track 188 : SheldonCooper_12, BangNhom_11, Obama12_12, Cerulean_12, ChampagnePapi_12, LHTSCC_12
- Track 189 : Nyxis_12
- Track 190 : Skipitt_12
- Track 191 : Shygu2_12, Cici_12
- Track 192 : Rosa24_11
- Track 193 : BellusTerra_12, Funston_12, Eris_12
- Track 194 : TinaFeyge_12, Koreni_11, HamSlice_11, TroyPia_12, SenorClean_12, Commander_12
- Track 195 : Happiness_12
- Track 196 : Eros_12
- Track 197 : YoSam321_12
- Track 198 : RockieBear_11, Maxo_12, Kampy_12, LittleB_12
- Track 199 : Annyong_12
- Track 200 : AbbysRanger_12
- Track 201 : Broseidon_12, Spino_12, Pipcraft_12, Shaka_12, Pumbaa_12, Melvin_12, Relief_12, Eagle_11, Lunsford_13, LochMonster_12
- Track 202 : Kremtemulon_12, Cintron_12
- Track 203 : Peaches_12
- Track 204 : LittleGuy_12
- Track 205 : OKaNui_12
- Track 206 : Stink_12
- Track 207 : Mundrea_12
- Track 208 : Cindaradix_11
- Track 209 : TiroTheta9_12
- Track 210 : AvatarAhPeg_12
- Track 211 : Miramae_12
- Track 212 : Kingmustik0402_12
- Track 213 : Chadwick_11, Naca_10, PetterN_11
- Track 214 : Jovo_10, Tiger_10, Archetta_10, Conspiracy_10, ForGetIt_10, Lev2_10, AgentM_10, PickleBack_10, Phlorence_10
- Track 215 : Airmid_10, ElTiger69_10, Benedict_10
- Track 216 : Micasa_10, Midas2_10, George_9, Milcery_10, HuhtaEnerson15_10, Coog_10, Florence1_10, Bonamassa_10, Florence4_11, Prinashe11_11, Tarynearal_9, Swirley_10, LittleCherry_10
- Track 217 : UnionJack_10
- Track 218 : Dublin_9
- Track 219 : Cuco_10
- Track 220 : Discoknowium_10, Bluefalcon_9, Aragog_10
- Track 221 : Twigg_10
- Track 222 : Jabiru_10
- Track 223 : Ghoulboy_10, SydNat_10, Zolita_9
- Track 224 : MarysWell_9, Theia_9
- Track 225 : Scorpia_11

- Track 226 : DelvinSonDorr_15
- Track 227 : Hammer_16, Temprado_16, Artemis2UCLA_16, Koko_16, Blue7_16, Roksolana_16, Indra_16, Rifter_16, Hexamo_16, Tucker_16, Gladiator_16, Helmet_16, Gruunaga_16, Garak_17
- Track 228 : SmellyB_16, Dorothea_16, Chartreuse_16, DaVinci_16, Kazan_16, SuperCallie99_16, VohminGhazi_16, Neeharika16_16, Candra_16, Kipper29_16, Jeffabunny_16, McFly_16, Cookiedough_16, JewelBug_16, Pmask_16, Hoot_16, SuperAwesome_16, BennyP_16, Isiphiwo_16, Jordennis_16, Newrala_16, BABullseye_16, EricB_16, Polyphemus_16, GreedyLawyer_16
- Track 229 : ToneTone_15, Lilbunny_16, Wiks_16, Yokurt_16, WunderPhul_16, Zaka_16, BlessJoy_16, Zulu_16
- Track 230 : Priamo_16
- Track 231 : Blinn1_16
- Track 232 : CloudWang3_16
- Track 233 : PP_22
- Track 234 : Timshel_13
- Track 235 : Sheen_14, FlyCatcher_16, Toro_15
- Track 236 : DroogsArmy_13
- Track 237 : HINdeR_12
- Track 238 : Smeadley_10, Roary_10, Dixon_10
- Track 239 : Astro_10, Caitlin_10, Expelliarmus_9, Groundhog_9
- Track 240 : Stephig9_10
- Track 241 : Danforth_9
- Track 242 : Saintus_10
- Track 243 : NearlyHeadless_10
- Track 244 : Phillis_10
- Track 245 : Tubs_14, Aliter_14, Alma_14, Catalina_14, Phaeder_14, PackMan_14
- Track 246 : Arissanae_12, Bellris_11, CogOmlette_11, Minispark_11, Rahalelujah_12, WorldCup_11
- Track 247 : Scherzo_14, Lilleskat_12, Ugenie5_11, Sachima_12, EdogawaKiddo_12, Ayanochan_15
- Track 248 : Darrell_15
- Track 249 : Toaka_12
- Track 250 : Onglai_13, Halex_13, RyeScarlet_15, Hanray_13
- Track 251 : Priya_14, Eidsmoe_14, EmyBug_14, Spouty_14
- Track 252 : Myxus_14, HortumSL17_14
- Track 253 : Vanisoa_12
- Track 254 : Phonnegut_14, Pioneer_14, ExplosioNervosa_14
- Track 255 : Klodlith_13, DreamTeam1_13
- Track 256 : Conquerage_14
- Track 257 : MegTheThird_12, Celestiallunch_13
- Track 258 : Elephantoon_14
- Track 259 : Charm_13
- Track 260 : Qobbit_14
- Track 261 : Keziacharles14_12
- Track 262 : BogosyJay_14, Maminiaina_14
- Track 263 : SheaKeira_13
- Track 264 : LoneWolf_14
- Track 265 : Fayely_14
- Track 266 : Yecey3_13
- Track 267 : Jiawan_13
- Track 268 : Beemo_14
- Track 269 : Salvus_7, LongHai_7

- Track 270 : 8UZL_6
- Track 271 : JacoRen57_3
- Track 272 : FF47_06, Muddy_6, Maco6_4
- Track 273 : NoShow_3
- Track 274 : Farewell_3, Sparky_3
- Track 275 : Nergal_6
- Track 276 : MalagasyRose_8
- Track 277 : IdentityCrisis_3
- Track 278 : WST1_3
- Track 279 : MidnightRain_4, Lasker_4, BasketStar_4, Faja_4, MaterMagnus_4, Gorpy_4, SonDevVon_3, Aikyam_4, BlueShadow_4, Hillester_4, Sakai_4, JellyBread_4
- Track 280 : Seahorse_4
- Track 281 : ThayneTheZag_4
- Track 282 : Ding_4
- Track 283 : Raqqa_4
- Track 284 : LeBruni_4
- Track 285 : YoungHarleezy_4
- Track 286 : Mapleville_3
- Track 287 : Nyilah_3
- Track 288 : Auxilium_4
- Track 289 : Sporco_5
- Track 290 : EvePickles_4, Globfish_4
- Track 291 : BenchScraper_4
- Track 292 : Kabloowy_4
- Track 293 : AdaS_4, Raphaella_4, CookieBear_4
- Track 294 : Shukran_4, Satrap_4
- Track 295 : Phrank15_3
- Track 296 : RadFad_4
- Track 297 : MurphyJoseph_4
- Track 298 : Isolde_4, Vopal_4, Windest_4
- Track 299 : Persistence_3
- Track 300 : Tiff81_4
- Track 301 : GumGum_4
- Track 302 : SpicyFrank_4
- Track 303 : Anekin_3
- Track 304 : DarwinJr_6
- Track 305 : CosmicBrownie_3
- Track 306 : Hestia_3
- Track 307 : Lawnathon_4
- Track 308 : Sashimi_4
- Track 309 : JakeTheSnake_4
- Track 310 : MUWow_3
- Track 311 : Bhageatrice_6
- Track 312 : NewKitty_4
- Track 313 : Crescenzo_4
- Track 314 : AbbyDaisy_4
- Track 315 : Richie_4
- Track 316 : BillyTP_4
- Track 317 : Michkear_6
- Track 318 : ThursdayNight_3
- Track 319 : Eraser_3, Subaru_3, Niobe_3, Asa16_3, Elezi_3, Skelbel_3, London_3, Jstan_3

- Track 320 : ObiToo_3
- Track 321 : Berrie_3
- Track 322 : Nitro_3
- Track 323 : Tallboi_3
- Track 324 : Pixelle_3
- Track 325 : Wildwest_4
- Track 326 : Yang_3
- Track 327 : Kaylissa_3, Tutumahutu_3, Powerpuff_3, AGrandiflora_3, Joemato_3, YesChef_3, Tbone_3, Flutur_3, Warda_3, Mudpuppy_3, Lego_3, Simpson_3
- Track 328 : Lizalica_3
- Track 329 : Sue2_3
- Track 330 : KeAlii_3
- Track 331 : DrSierra_3
- Track 332 : Pumpkins_3
- Track 333 : JuneStar_3
- Track 334 : MissSwiss_3, PandaPo_3
- Track 335 : DrManhattan_3, Adolin_3
- Track 336 : Iter_3, Ascela_3
- Track 337 : Janeemi_4
- Track 338 : Tian_3, Amyev_3
- Track 339 : Turab_3, Tuck_4, Adumb2043_3, Community_4, Amploria_3
- Track 340 : IttyBittyPiggy_3
- Track 341 : JohnDoe_3
- Track 342 : VResidence_3
- Track 343 : Phives_4
- Track 344 : Cassia_3
- Track 345 : Crewmate_4
- Track 346 : TforTroy_3
- Track 347 : Reedo_3
- Track 348 : AEgle_3
- Track 349 : Schaffner_3
- Track 350 : Cyan_3
- Track 351 : MaGuCo_3
- Track 352 : IUFootball_3, Maureen_3, Liebe_3
- Track 353 : Tweety19_4
- Track 354 : Snek_4
- Track 355 : JohnThicc_3, Origami_3, LadyAstra_3, FiveHead_3
- Track 356 : Emotion_3
- Track 357 : JasmineDragon_3, MiniMommy_3, ShakeItOph_3, VroomVroom_3
- Track 358 : AceofSpades_3
- Track 359 : Moss_3, Ashes_3, RockScotty_3, Giorgio_3, SpecialK_3
- Track 360 : Halsey_3
- Track 361 : Sabourin_3, Kalimba_3, Sooty_3, Cappuccino_3, Gambol_3, Donkey_3
- Track 362 : Mysterium_3, Beaupre_3, Gumpizza_3, Stuu_3
- Track 363 : Soondubu_3
- Track 364 : Exile_3
- Track 365 : AinMach_3
- Track 366 : SPB78_3
- Track 367 : VWB_3
- Track 368 : Phettuccine_7, Bovely_7, Unstoppable_7, Leviticus_7, Ozzie_7, Aaronocolus_7, Legacy_7, BeardedLady_8, Esperer_7, Hydra_9, Nerdos_7, SunsetPointe_7, Indigo_7
- Track 369 : Nabi_7, Rana_7

- Track 370 : Eddasa_8, Izzy_8, Rusticus_8, Jash_8, BryanRecycles_8
- Track 371 : Lorelei_7
- Track 372 : Asten_7, OzzyJ_8, Triste_7
- Track 373 : Ejemplo_7, TuanPN_7, Yasdnil_7
- Track 374 : Katalie_8, RedBear_9, South40_8
- Track 375 : Emaanora_9, Snorlax_7, SarahRose_7, Werner_7, BarryBee_9, Whatever_7, Dwayne_7, Hippo_7
- Track 376 : TagePhighter_8, Chucky_7
- Track 377 : Lika_7, Godpower_8
- Track 378 : Dattran_8, Sujidade_8, Goby_7, Toma_7
- Track 379 : Lannister_8
- Track 380 : Zemlya_8, Celeste_7, Danzina_8
- Track 381 : EnochSoames_8
- Track 382 : Brataylor_8
- Track 383 : Oliynyk_8
- Track 384 : Maneekul_7
- Track 385 : Nanodon_9
- Track 386 : Caliburn_7
- Track 387 : Axiom_8
- Track 388 : ELB20_06, R4_7
- Track 389 : TrvxScott_6
- Track 390 : TinaBelcher_7, Bowden_8
- Track 391 : Caelum_8
- Track 392 : Amethyst_7
- Track 393 : Haizum_7
- Track 394 : Andris_7
- Track 395 : Puginator_9
- Track 396 : Janus_8
- Track 397 : Pablito_7
- Track 398 : Jevington_9, Marav_10
- Track 399 : Triumph_9
- Track 400 : Daudau_7
- Track 401 : SqueakyClean_8, Animus_8
- Track 402 : Nishikigoi_7, Tefunt_7
- Track 403 : BartholomewSD_9
- Track 404 : Hank144_8
- Track 405 : Issmi_8
- Track 406 : Paolo_9
- Track 407 : Thestral_8
- Track 408 : Loofah_8, Paedore_7
- Track 409 : Zainub_9
- Track 410 : Diane_7
- Track 411 : GirlDinner_7
- Track 412 : Alvy_9
- Track 413 : Omar_8
- Track 414 : Superstar_9
- Track 415 : Amela_7, SunkenRoot_9
- Track 416 : Pavo_8, Alsaber_8, Provolone_8, Kaine_7, Conan_8
- Track 417 : ElGato_8
- Track 418 : Verabelle_8
- Track 419 : Vanseggelen_10
- Track 420 : Jhitchelle_6
- Track 421 : Dexers_6

- Track 422 : Saftant_7
- Track 423 : Celery_9
- Track 424 : Yosif_8
- Track 425 : Sudan_7
- Track 426 : Verse_7
- Track 427 : ZamZam_7
- Track 428 : Speedwell_8
- Track 429 : phiCAM_07
- Track 430 : GreenWeasel_9
- Track 431 : BroPlease_8
- Track 432 : phiHau3_9
- Track 433 : VieEnRose_7
- Track 434 : Celia_7
- Track 435 : Itza_7, Urza_7
- Track 436 : phiSASD1_23
- Track 437 : Dubu_3
- Track 438 : AbbeyMikolon_3, Nesbitt_3
- Track 439 : Rowa_3
- Track 440 : Dryad_10
- Track 441 : Greenbelt_10
- Track 442 : SassyC_11
- Track 443 : Gibson_9, Rooney_9
- Track 444 : Yara_8
- Track 445 : ShakeNBake_9, Lizz_9, PHTown_9
- Track 446 : Virizion_10
- Track 447 : Wentworth_9
- Track 448 : Wilkos_9
- Track 449 : Zuko_8
- Track 450 : KimJongPhill_9
- Track 451 : Success_51
- Track 452 : Spooks_50
- Track 453 : Bimmel_49
- Track 454 : P107A_3
- Track 455 : Kubed_3
- Track 456 : MEAK_3
- Track 457 : Leviosa_3
- Track 458 : P100A_3
- Track 459 : PA6_3
- Track 460 : PAS50_3
- Track 461 : P14.4_3
- Track 462 : P9.1_3, P106M_3, P106C_3, P106A_3, P106L_3, P106I_3
- Track 463 : Procrass1_3
- Track 464 : P100D_3
- Track 465 : ATCC29399BT_3
- Track 466 : PHL111M01_03
- Track 467 : P105_3
- Track 468 : Solid_3
- Track 469 : LilBandit_3
- Track 470 : SKKY_3
- Track 471 : Enoki_3
- Track 472 : P101A_3
- Track 473 : PHL060L00_03
- Track 474 : PHL010M04_03

- Track 475 : P1.1_3
- Track 476 : ATCC29399BC_3, P107C_3
- Track 477 : MrAK_3
- Track 478 : Supernova_3
- Track 479 : P108C_3
- Track 480 : Lauchelly_3
- Track 481 : PHL037M02_03
- Track 482 : PHL113M01_03
- Track 483 : P100.1_3
- Track 484 : Wizzo_3
- Track 485 : P104B_3
- Track 486 : Stormborn_3
- Track 487 : Aquarius_3
- Track 488 : Cota_3, Keiki_3
- Track 489 : Moyashi_3
- Track 490 : PHL114L00_03
- Track 491 : PHL112N00_03
- Track 492 : QueenBey_3
- Track 493 : DrParker_3
- Track 494 : Ouroboros_3
- Track 495 : Attacne_3
- Track 496 : Enochoraptor_3
- Track 497 : Rileysaurus_3
- Track 498 : Pirate_3
- Track 499 : BruceLethal_3
- Track 500 : PHL071N05_03
- Track 501 : P104A_3
- Track 502 : PAD20_3
- Track 503 : PHL067M10_03
- Track 504 : E6_4, B22_4
- Track 505 : Doucette_4, G4_4
- Track 506 : Lillie_9, Belenaria_9, Naiad_9, Nancinator_9, Natosaleda_9, CosmicSans_9, Alatin_9, StCroix_9, UhSalsa_9, Erik_9, Espica_9, Krishelle_9, Bradshaw_9, Swann_9, Shuman_9, Phrankenstein_9, RER2_2, Gollum_9, TWAMP_9, RexFury_9, Rhodalysa_9
- Track 507 : BobbyDazzler_9, Yoncess_9, Rasputin_9, Bryce_9
- Track 508 : Partridge_9, Dinger_9
- Track 509 : Alpacados_8, Bonanza_9, Yogi_9
- Track 510 : PhailMary_8
- Track 511 : Harlequin_9, Jester_9
- Track 512 : AngryOrchard_8, Takoda_9
- Track 513 : AppleCloud_7
- Track 514 : RGL3_2
- Track 515 : Hiro_9
- Track 516 : Abscondus_30, Culver_31, Dusty_30
- Track 517 : Toniann_31, ClubL_31, Cucurbita_33, Engineer_32, PhinkBoden_31, Miskis_29, Aphelion_31, Bachita_33, Lozinak_31, Norvs_32, Smoothie_32, Geeche_30
- Track 518 : WilliamBoone_31
- Track 519 : OneUp_25
- Track 520 : BrutonGaster_19
- Track 521 : Flapper_29, Turuncu_29
- Track 522 : Dalilpop_30

- Track 523 : GRU1_15, GTE5_16
- Track 524 : SuperSulley_26, Kabluna_28, Bonum_28, Buggaboo_26
- Track 525 : MerCougar_26
- Track 526 : GrootJr_27, Arti_25, NovumRegina_25
- Track 527 : Phomeo_24, Kurt_25, Emianna_25, Foxboro_26, KidneyBean_25, Jifall16_24, Tracker_25, NatB6_25
- Track 528 : Commandaria_27
- Track 529 : Wheezy_25
- Track 530 : NosilaM_28
- Track 531 : StarStruck_26, Outis_26
- Track 532 : GTE8_14
- Track 533 : Skysand_27, Float294_27
- Track 534 : Lollipop1437_30, Ennea_31, Patio_28
- Track 535 : RedRaider_32
- Track 536 : IDyn_26
- Track 537 : Marietta_27
- Track 538 : Pemberton_28
- Track 539 : NadineRae_25
- Track 540 : Sukkupi_27, Yndexa_27, BiPauneto_28
- Track 541 : WhoseManz_27
- Track 542 : HubbaBubba_23
- Track 543 : Pleakley_34, Fury_34
- Track 544 : HomeFry_31
- Track 545 : Scuba_34
- Track 546 : Braxoaddie_29, Apiary_29, Maselop_29, CoffeeBean_29
- Track 547 : Gagieri_29
- Track 548 : Polyuyuki_29
- Track 549 : MacGully_33
- Track 550 : Sopespian_5, Quasar_5, Socotra_6, Cozz_5, MunkgeeRoachy_5, GoldHunter_6, Burnsey_5, Elliott_5, Typhonomachy_5, Starburst_6, RedBaron_7, Bubble_5, Nina_5, ChickenTender_7, Axym_5, PsychoKiller_5
- Track 551 : RSchmailzl_6
- Track 552 : MScarn_7
- Track 553 : Azira_7, Survivors_7, Nibbles_7, MaVan_7, Wolfwood_7, Zareef_7, Wallaby_8
- Track 554 : Carsonalex_6
- Track 555 : Horseradish_6, Yummy_6
- Track 556 : Hexbug_6
- Track 557 : PotPie_5, CocoaPuff_4, SummitAcademy_4, Tarnish_5, Balloona_4
- Track 558 : KayGee_5
- Track 559 : Biskit_6, SweatNTears_7, SketchMex_4
- Track 560 : Orla_6
- Track 561 : GiKK_8
- Track 562 : Dre3_5, Gibbous_5
- Track 563 : Lauer_4
- Track 564 : Elinal_6, Bavilard_5, Yucky_5
- Track 565 : Cleo_5
- Track 566 : Mayweather_6
- Track 567 : Agatha_5, RADical_6
- Track 568 : Buttrmlkdreams_5, Troje_5, Blondies_6
- Track 569 : Amok_4
- Track 570 : Malvina_7, HippoPololi_7
- Track 571 : ElJefes_4, McDazzle_4

- Track 572 : MAnor_5
- Track 573 : Nodigi_6
- Track 574 : Yakult_6
- Track 575 : CherryonLim_6
- Track 576 : RanchParmCat_8, Margaret_8
- Track 577 : GTE2_03
- Track 578 : AndPeggy_4, CaramelLatte_5, CanesSauce_5, ChocoMunchkin_5, Yarn_4
- Track 579 : Feastonyeet_4, BigChungus_4
- Track 580 : Vine_6
- Track 581 : Tolls_7, SteamedHams_7
- Track 582 : BillDoor_7
- Track 583 : Emalyn_4
- Track 584 : AikoCarson_4
- Track 585 : Fribs8_6
- Track 586 : Button_6
- Track 587 : Jamzy_8
- Track 588 : Pons_5, SheckWes_4
- Track 589 : Confidence_3, BeeGee_3
- Track 590 : Bradissa_3
- Track 591 : Angelique_3
- Track 592 : BritBrat_3, Pollux_3, Marteena_3, Lilas_3, Floral_3, EnalisNailo_3, EMSquaredA_3
- Track 593 : Jablanski_3, Pytheas_3
- Track 594 : Wrigley_3
- Track 595 : Posh_3
- Track 596 : Cashline_3
- Track 597 : LonelyBoi_3
- Track 598 : JonJames_31
- Track 599 : Cardigan_31
- Track 600 : Yvonnestic_29
- Track 601 : InLimbo_3, PhorbesPhlower_3, Morkie_3
- Track 602 : Lucky10_3
- Track 603 : Towmatter_12, Daredevil_13
- Track 604 : DatBoi_14
- Track 605 : Mollymur_14
- Track 606 : SpeedDemon_140
- Track 607 : Bantam_13
- Track 608 : Ecliptus_4
- Track 609 : MortyNRick_3, BearBQ_3, Birdsong_3
- Track 610 : ODay_4
- Track 611 : Malisha_4
- Track 612 : BENtherdunthat_4, BotCity_4, Leroy_4, Asapag_4, Frickyyeah_4
- Track 613 : CheeseTouch_4, Holliday_4, LitninMcQueen_4, Kamaru_4, Budski_4, Phabuloso_4
- Track 614 : Kenna_4, Periwinkle_4, Lutum_4
- Track 615 : Phistory_4
- Track 616 : Whitney_4, Getalong_4
- Track 617 : Horus_4
- Track 618 : ShawBrad_4
- Track 619 : Spooky_4
- Track 620 : Squiddly_5
- Track 621 : Apricot_3, Crater_3

- Track 622 : Kuwabara_3
- Track 623 : Ziko_38, Ronaldo_38, Volt_37, Fryberger_35
- Track 624 : Keelan_33
- Track 625 : Guey18_40
- Track 626 : Phishy_6
- Track 627 : Vordorf_5
- Track 628 : BabyMoney_5
- Track 629 : Dogfish_5
- Track 630 : Meyran_5
- Track 631 : Ewald_6
- Track 632 : Nyceirae_7
- Track 633 : Manilisa_7
- Track 634 : Kudrefre_13
- Track 635 : Sephiroth_14
- Track 636 : Syleon_14
- Track 637 : Octobien14_14
- Track 638 : Trax_13
- Track 639 : Rabbitrun_15
- Track 640 : LilJank_13
- Track 641 : Neville_13
- Track 642 : IAmGroot_3
- Track 643 : SuMoo_3
- Track 644 : Honk_3
- Track 645 : Forester_3, Gretchen_3, SuperHands_3
- Track 646 : UtzChips_3, Barnstormer_3
- Track 647 : Mabodamaca_3
- Track 648 : Cen1621_3
- Track 649 : Caron_3
- Track 650 : Floof_3
- Track 651 : Zeta1847_3
- Track 652 : GardenState_3
- Track 653 : Percival_3
- Track 654 : Kimchi1738_13
- Track 655 : Stickynote_15
- Track 656 : PeteyPab_13, Cruella_13, Zion_13, PotatoChip_13
- Track 657 : C3PO_13
- Track 658 : Darwin_16
- Track 659 : Colleen_4, Arianna_4, Poushou_4, TouchMeNot_4
- Track 660 : Clank_3
- Track 661 : LordVader_4
- Track 662 : Blarby_5
- Track 663 : Rita_3, Bipolar_3, MilanaBonita_4, Akhila_4, PopTart_3, Mutaforma13_3, Taj_3, DeadP_3, SassyB_3
- Track 664 : Spikelee_4, Kingsley_4, Cerasum_4, Peridot_4, Beanstalk_4, Sarma624_4, Starcevich_4, Beakin_4, RockyHorror_4, Ramsey_4, Job42_4, Tchotchke_4, UncleRicky_4, OwlsT2W_4, JalFarm20_4, Leozinho_4, Brookers_4, Alexphander_4, SimranZ1_4, Enby_4, Oksu_4, DaWorst_4, BigPhil_4, Lorde_4, Pollywog_4, Madiba_4, Tootsieroll_4, Stap_4, Drago_4, BuzzLyseyear_4, Marker_4, Boomer_4, Lucia_4, Coco12_4, Velveteen_4
- Track 665 : LunaBlu_3, Hlubikazi_3, Latretium_3, Mandlovu_3, NewHope4_3, Galactic_3, Strokeseat_3, Mahavrat_3
- Track 666 : Scottish_3, KingMidas_3, ByChance_3, OldBen_3, Nivrat_3, Martik_3, LilMoolah_3, Poenanya_3, Jarcob_3, Daenerys_3, Priscilla_3, Llij_3, Girr_3,

Crumble_3, Inventum_3, Topiatin_5, SwagPiggett_3, Burwell21_3, RedBird_3,
 OlympiaSaint_3, Blexus_3, RitaG_3, Yorick_3, JoeyJr_3, ShowerHandel_3,
 Spoonbill_3, Ruby_3, Dorothy_3, BlueCrab_3, Pacc40_3, Nimbo_3, PMC_3, Zerg_3,
 DaddyRickover_3, Radiance_3, MisterCuddles_3, ShiLan_3, Deb65_3,
 PHappiness_3, Lizziana_3, Doomphist_3, Geralt_3, Sassafras_3, Eradicator_3,
 FreddyB_3, Rockne_3
 • Track 667 : Eish_3
 • Track 668 : Wachhund_3
 • Track 669 : MulchExplorer_4, Plumbus_4, Hegedechwinu_4, Kimberlium_4,
 Brushbloom_4, Juice456_4, Doomslug_4, Flathead_4, DirtMcgirt_4
 • Track 670 : Ibhubesi_3, Harley_3
 • Track 671 : Saal_3, Brocalys_3, Gorge_3
 • Track 672 : VRedHorse_3
 • Track 673 : DocMcStuffins_4, ChickenDinner_4, TootsiePop_4, Misha28_4,
 Piper2020_4, Aloeri_4, Awesomesauce_4
 • Track 674 : Doug_3
 • Track 675 : Mozy_4
 • Track 676 : IbOuu_3
 • Track 677 : Phanphagia_3, Shauna1_3, Firehouse51_3, PhesterPhotato_3, Wee_3,
 Ardmore_3, Melissauren88_3, Royals2015_3, QuickMath_3, Ms6_3, XFactor_3,
 Fruitloop_3
 • Track 678 : Phalconet_3
 • Track 679 : Frankie_4
 • Track 680 : Violac_3
 • Track 681 : Girafales_4, Quico_4
 • Track 682 : Kenuha5_3
 • Track 683 : Zizzle_3
 • Track 684 : Juniper1_3
 • Track 685 : Modragons_3, Llama_3, OfUltron_3, Jinglebell_3, Seabastian_3,
 AlpineSix_3, Ochi17_3
 • Track 686 : DosHalletts_4
 • Track 687 : MadMen_3, EmiMonkey_3, PhlipPhlop_3
 • Track 688 : Philus_3, BodEinwohner17_3
 • Track 689 : CaptainTrips_4, SG4_3, Phasih_3, Aubs_3, KristaRAM_4, TDanisky_3,
 Chuckly_3, DLane_3, Emma_3, Ovechkin_3, EleanorGeorge_3, Sparkdehlily_3,
 DotProduct_3, Guppsters_3, StAnnes_3, MinionDave_4, Batiatus_3, DRBy19_3,
 Whatsapiecost_3, Hamulus_3
 • Track 690 : Chevrolet_3, ArcusAngelus_3
 • Track 691 : Mattes_3
 • Track 692 : Medindi_3
 • Track 693 : Krakatau_4
 • Track 694 : Jennelsea_3
 • Track 695 : NormanBulbieJr_3, Pippy_3, Clifton_3
 • Track 696 : Gandalph_3
 • Track 697 : PatoPoderoso_3, Corium_3
 • Track 698 : Phatniss_3, SiSi_3
 • Track 699 : Karhdo_3
 • Track 700 : LittleShirley_4, Emmaloid_4, Totinger_4, Rialto_4, Slim_4
 • Track 701 : Moonbeam_3, GigiOuiOui_3
 • Track 702 : Kersh_3
 • Track 703 : Cabrinians_3
 • Track 704 : Minnie_3
 • Track 705 : Grimmer_4

- Track 706 : Hades_3, Nitzel_4
- Track 707 : MilleniumForce_4
- Track 708 : Bubbles123_3
- Track 709 : Whouxphf_3, SeaLumen_3
- Track 710 : DillTech15_3, Dante_3, Donkeykong_3, Tweety_3
- Track 711 : Cornucopia_4
- Track 712 : Fancypants_3
- Track 713 : LastJedi_3
- Track 714 : GUmble_3, Veteran_3
- Track 715 : Empress_3
- Track 716 : IrishSherpFalk_3, Koella_3, Spartacus_3, WillSterrel_3
- Track 717 : Estave1_3, Che8_3
- Track 718 : Florinda_3
- Track 719 : Jant_3
- Track 720 : SuperGrey_3
- Track 721 : Maravista_3
- Track 722 : Mantra_3
- Track 723 : KingJulian_3
- Track 724 : Nichirin_3
- Track 725 : Mwanjiwa_3
- Track 726 : Vivum_3
- Track 727 : Ogopogo_5
- Track 728 : DoRead_3
- Track 729 : Seagreen_4
- Track 730 : Mova_4
- Track 731 : Fastidio_3
- Track 732 : Bobi_4
- Track 733 : BobaPhett_3, James_3
- Track 734 : IMpilo_3
- Track 735 : Sabbb_3
- Track 736 : Leperchaun_3
- Track 737 : Sandalphon_3
- Track 738 : Polka14_3
- Track 739 : Byougenkin_3
- Track 740 : Cheesepuff_3
- Track 741 : ShroomBoi_3
- Track 742 : Filuzino_3
- Track 743 : Avani_4, SilverChicken_4
- Track 744 : Soul22_4
- Track 745 : Jabbawokkie_5, Zapner_5, Che9d_4
- Track 746 : Demsculpinboyz_4
- Track 747 : Yoshi_4
- Track 748 : Squirty_4
- Track 749 : Renaud18_3
- Track 750 : TChen_3, LunaStella_3
- Track 751 : ThetaBob_3
- Track 752 : Cornie_3
- Track 753 : Toron_3
- Track 754 : MulchSalad_3
- Track 755 : Okabe_5
- Track 756 : Constance_3, PeggyLeg03_3
- Track 757 : Henrique_3, Karkharias_3
- Track 758 : GlobiWarming_3

- Track 759 : Judy_3, Bridgette_3
- Track 760 : Peas_3, Eileen_3, HotPotato_3
- Track 761 : NidoQ_3
- Track 762 : LittleRon_3, KayMoney_3, ChuckDuck_3
- Track 763 : NikkiHotWheels_3
- Track 764 : Pucara_3
- Track 765 : FosterFrank_3
- Track 766 : LilyBell_3
- Track 767 : Bauer_5, Zucker_4
- Track 768 : BlackSpider_3
- Track 769 : BellaJr_5
- Track 770 : Cassini_3
- Track 771 : CallinAllBarbz_3
- Track 772 : LisoBros_3
- Track 773 : Elfy_3
- Track 774 : BaileyBlu_3
- Track 775 : Jankie_3
- Track 776 : GrimEater_3
- Track 777 : Hum25_3
- Track 778 : Merpity_4
- Track 779 : MrSmee_3, Skitty_3
- Track 780 : Pitbull_3
- Track 781 : Skyerus_3, Raya_3
- Track 782 : Ezurina_4
- Track 783 : TripleC_8
- Track 784 : Audell_8
- Track 785 : Mireles_5
- Track 786 : AnnabelLee_5, ChamoyPickle_5, Gerri43_5, ChipsNGuac_5, CardboardBox_5, Neuville_5, Roberts_5
- Track 787 : TMaxx_5
- Track 788 : Makima_6
- Track 789 : LastNadia_8
- Track 790 : Agamoto_7
- Track 791 : Studio_5
- Track 792 : BruceB_3, Jonghyun_3, Barkley26_3, Jolene_3, Angel_3, Rabbs_3, Primanti_3, Periodt_3, Aroostook_3, DingDing_3, Phloodle_3, Sizemore_3, Richarlison_3, Rattrick_3, MZKinsey_3, Sneeze_3, Kasen3_3, Schiebel_3, ECartman_3, ZoMa_3, Chance64_3
- Track 793 : Marmie_3, Phish_3, Renaissance_3, Remy19_3, Hotshotbaby7_3, Darionha_3, Crespo_3, Neoh_3, Avrafan_3, Kareem_3, DMoney_3, DNAll_003, Jane_3, AizenPogi_3, CLED96_3, JorRay_3, Mowgli_3, BPs_3, BQuat_3, Phreak_3, OctaviousRex_3, Ruriko_3, TomBrady_3, Coleslaw_3, Hope_3, Cherrybomb426_3, Gomashi_3, Jailious_3, Cedasite_3, Olga_3, LouisV14_3, Maliketh_3, AzulaCat_3, Camri_3, Wendigo_3, Zombie_3, Frosty24_3, CassieYates_3, ShaboiShabazz_3, Gideon_3
- Track 794 : Taheera_3, Terror_3
- Track 795 : Plagueis_3
- Track 796 : Paito_3
- Track 797 : TinaBug_3, Halo_3, ForeverHowLong_3
- Track 798 : Liefie_3
- Track 799 : PinkYoshi_3, Annihilator_3
- Track 800 : Sweets_3, GoldenAsh_3
- Track 801 : Grizzly_3

- Track 802 : Peeb_3
- Track 803 : Pace1224_3
- Track 804 : Cambiare_4, Avocado_3
- Track 805 : FlagStaff_3
- Track 806 : GodSpeed_3
- Track 807 : Cloudyecho_3
- Track 808 : Pinnie_4
- Track 809 : MOOREtheMARYer_3
- Track 810 : Mercurio_4
- Track 811 : Lemuria_3
- Track 812 : Jolie2_3
- Track 813 : Antsirabe_3
- Track 814 : Stargaze_3
- Track 815 : YangYin_3
- Track 816 : Doedicurus_9
- Track 817 : OscarSo_11
- Track 818 : Wyvern_10
- Track 819 : Isperia_8
- Track 820 : Durfee_9, Clipper_9, MacKat_9, QuincyRose_8, Topper_9, Rosmarinus_9, Pokerus_8, Jeckyll_9, ShiaSurprise_9, Boiii_9
- Track 821 : McMater_9, Shaobing_9, Richo_9, Niklas_9, Peanam_9, Dartin_9
- Track 822 : Jarvi_9, Asayake_9, Belladonna_9, Lunahalos_9, Blizzard_9, Peel_9, BarrelRoll_9, BGIuviae_9, Ganymede_9, CREW_9, Dalmuri_9, Hyperbowlee_9, Homura_9, Padfoot_9, Twitch_9, Veliki_9, Spock_9, Tiri_9, Capricorn_9, Piatt_9, Inky_9, Llorens_9, CaseJules_9
- Track 823 : Chris_8
- Track 824 : Geraldini_9, Beezoo_9
- Track 825 : BEEST_9
- Track 826 : Zavala_9, YoureAdopted_8, CallaLilly_9
- Track 827 : Atiba_9, CheetoDust_9, Emerson_9, AlishaPH_9, Tachez_9
- Track 828 : SgtBeansprout_5, Nikao_5, Trice_5, Amelie_5, Teejan_5, Torres_5, Nutello_5, Mdavu_5, LilPharaoh_5, Binglebops_5
- Track 829 : TruffulaTree_9
- Track 830 : DrHayes_9, Anma_9, SamuelLPlaqson_9, Urkel_9
- Track 831 : Mynx_9
- Track 832 : Dole_9
- Track 833 : Oscar_8
- Track 834 : Murucutumbu_9, LaterM_9
- Track 835 : Joy99_9
- Track 836 : LindNT_9
- Track 837 : Pisa4_8, Pisa1_8
- Track 838 : LastHope_9
- Track 839 : Slimphazie_9, Ramen_9, HedwigODU_9, JAWS_9, Rapunzel97_9, Adephagia_9, Zabiza_9, Jayhawk_9, ActinUp_9
- Track 840 : Apocalypse_9
- Track 841 : Guanica15_9, Yunkel11_9
- Track 842 : LeMond_8
- Track 843 : Deby_9, Sulley_9
- Track 844 : Bern_9
- Track 845 : MeaningOfLife_9
- Track 846 : Anaya_10
- Track 847 : MarkPhew_8
- Track 848 : Bella96_9

- Track 849 : Nibb_8
- Track 850 : Enkosi_5
- Track 851 : Prithvi_9, TreyKay_9
- Track 852 : TaiwanKao_9
- Track 853 : BaghaKamala_9
- Track 854 : Chavito_9
- Track 855 : KiSi_8
- Track 856 : Scarlett_8
- Track 857 : Efra2_9
- Track 858 : Curiosium_10
- Track 859 : Validus_9
- Track 860 : Padpat_9
- Track 861 : Devera_9, Illumine_9
- Track 862 : Megsy_9, CrimD_9
- Track 863 : TingHuaYa_9
- Track 864 : Stinson_9
- Track 865 : Angelica_9
- Track 866 : DartGoblin_9
- Track 867 : Ageofdapage_9
- Track 868 : Adonis_9
- Track 869 : TiniBug_9
- Track 870 : Milly_5, Strobilo_5
- Track 871 : BoostSeason_5, Mufasa_5
- Track 872 : DismalFunk_5, Marcoliusprime_5, DismalStressor_5
- Track 873 : TM4_5
- Track 874 : Findley_5
- Track 875 : Doughnut_5
- Track 876 : ZoeJ_5
- Track 877 : TBond007_8, Pixie_8
- Track 878 : Keshu_8
- Track 879 : Lea83_8, ShedlockHolmes_8
- Track 880 : TripleTrouble_7
- Track 881 : Pharb_8
- Track 882 : MacnCheese_9
- Track 883 : Hurricane_8
- Track 884 : OmniCritical_10, Lebo14_10
- Track 885 : Juliette_10, Ruthiejr_9
- Track 886 : Mitti_10, Taquito_8
- Track 887 : Cheetobro_10, Qhanda_10, Slarp_10, Chancellor_10
- Track 888 : Malthus_10, Kraw_10, DanSyl44_10, SamScheppers_8, Fionnbharth_10, Wintermute_10
- Track 889 : Reptar3000_10
- Track 890 : Y2_10, Y10_10
- Track 891 : JF1_10
- Track 892 : Patt_10, MissDaisy_10
- Track 893 : Bobquesha_10
- Track 894 : YasnayaPolyana_10
- Track 895 : Eponine_10
- Track 896 : AlleyCat_7, Neighly_7, LilDirt_6, InvictusManeo_7, Psycho_7, Edugator_6, Larva_7, Dadosky_7
- Track 897 : Rando14_7
- Track 898 : Agent47_7, ViviJ_6, Kratio_6
- Track 899 : Gengar_7, Guillsminger_7, Paola_7

- Track 900 : Miryou_7, Collard_7, Feyre_7, Thyatira_7, BananenDer11_7, DoubleChamp_7, Waterfoul_7
- Track 901 : OkiRoe_7
- Track 902 : SoSeph_7, Heftyboy_7
- Track 903 : Omnicron_7
- Track 904 : Leston_7
- Track 905 : Marshawn_10
- Track 906 : Syra333_8
- Track 907 : Cain_8, Bryler_8, Sunflower1121_7, Shadow1_7, Phrank_8
- Track 908 : Ellie_6
- Track 909 : Tigress9_8
- Track 910 : Ekdilam_6
- Track 911 : Ximenita_9
- Track 912 : Applecrisp_7
- Track 913 : Yuna_9
- Track 914 : DarthP_8
- Track 915 : Amohnition_8
- Track 916 : Krueger_8
- Track 917 : Hammy_8
- Track 918 : Tierra_8
- Track 919 : Lavahound_7
- Track 920 : TClif_8
- Track 921 : November_7
- Track 922 : Unicorn_8, PhelpsODU_8
- Track 923 : Fefferhead_8
- Track 924 : SirPhilip_8
- Track 925 : Amgine_7
- Track 926 : Aminay_7
- Track 927 : Boilgate_6
- Track 928 : LeBron_5, Zaria_5, AvadaKedavra_5, Wamburgxpress_5, Silverleaf_5, CicholasNage_5, DirkDirk_5, JoeDirt_5, Appletree2_5, Calm_5, Acquire49_5, UPIE_5, Wyatt2_5, Rose5_5, Enceladus_5, Poochiewood_5
- Track 929 : OhShagHennessey_5
- Track 930 : Halena_5, MAckerman_5
- Track 931 : Tyson_5
- Track 932 : BobsGarage_5, Miley16_5, LilDestine_5, BigCheese_5, Gabriela_5, Breezona_5, SoJulia_5, MkaliMitinis3_5, Faith1_5, Gardann_5, Nicholasp3_5, Underpass_5, Zakai_5, Kahlid_5, Netyap_5, Itos_5, Winky_5, DrSeegs_5, Wilder_5
- Track 933 : DHan_5, ZhongYanYuan_4, Baoshan_4, Claus_5
- Track 934 : Rumpelstiltskin_5, Vetrix_5
- Track 935 : OverPar_5, Sarshaun_5, Loadrie_5, Hafay_5, Soap141_5
- Track 936 : Bazzle_5
- Track 937 : Tourach_5
- Track 938 : Archie_5
- Track 939 : Lewan_5
- Track 940 : Lynnae_5, Crossroads_5
- Track 941 : Rossetti_5
- Track 942 : DanBing_4
- Track 943 : GuuelaD_5
- Track 944 : Finemlucis_5
- Track 945 : Wigglewiggle_5
- Track 946 : MiniLon_6, Lolly9_6

- Track 947 : Red305_6, Jobypre_6, Jubie_6, MsGreen_6, Nicholas_6, Kingsolomon_6, Snenia_6, TriFive_6, Clautastrophe_6, Lumos_6
- Track 948 : BourbonZero_5, LiyuLake_6
- Track 949 : Bellis_6, Finnry_6, Moostard_6, Samty_6
- Track 950 : KirDoubleO7_4
- Track 951 : Ellson_6
- Track 952 : MiniMac_6
- Track 953 : Krypton555_6, Whirlwind_7
- Track 954 : DuncansLeg_6
- Track 955 : Quby_5
- Track 956 : Sheng711_5, Douzhi_5, BrainDrainer_5, PYPDinur_5
- Track 957 : Chaser_5
- Track 958 : Kropertea_5
- Track 959 : DyoEdafos_6
- Track 960 : ChutneyChips_5
- Track 961 : Bromden_5
- Track 962 : FarmResident_5
- Track 963 : Douge_5
- Track 964 : Baudelaire_5, Aegeus_5
- Track 965 : RoseMarie_15
- Track 966 : Reindeer_13
- Track 967 : PegLeg_15, Auspice_15, Dulcita_16, Diminimus_16, Bricole_15, KleverKiS_15, TyDawg_15, FreakyGoo_16, TpudiCK_16, Skinny_16, LilhomieP_14, Glaske16_16, SlimJimmy_14, Izel_16, IPHane7_15, Bongo_15
- Track 968 : Aziz_19, GenevaB15_19
- Track 969 : Rey_19
- Track 970 : GardenSalsa_19, MrMagoo_19
- Track 971 : Estes_20
- Track 972 : Nanosmite_19
- Track 973 : HuphlepuFF_38, FeliMaine_38
- Track 974 : JoieB_37, Poise_36, Raela_36, Lilbit_35, Blackbeetle_36, LittleLaf_36, Pringar_36, Beelzebub_40, MosMoris_34, Gattaca_35, Caprice_33, Corazon_34, GoongGoong_35, VasuNzinga_36, Tesla_35
- Track 975 : Marvin_34, RedRaider77_36, Clarkson_37
- Track 976 : Nette_4, Mendokysei_3
- Track 977 : Nairb_4, RonRayGun_4, ZenTime222_4, Whitty_4, Ibrahim_4, Bernal13_4
- Track 978 : RunningOnE_65
- Track 979 : PhaoMing_2
- Track 980 : Stellammi_3
- Track 981 : MaryV_27, EniyanLRS_24, Wildcat_27, Cosmo_27, Azrael100_26
- Track 982 : Nebkiss_3, Gaia_3
- Track 983 : GAL1_5
- Track 984 : Samy_6
- Track 985 : Kromp_3
- Track 986 : Ponzi_44
- Track 987 : Spartoi_3
- Track 988 : TPA4_3
- Track 989 : Ibantik_69
- Track 990 : GMA4_3
- Track 991 : Sleepyhead_3
- Track 992 : Footloose_3
- Track 993 : ChewyVIII_39

- Track 994 : Juicebox_4
- Track 995 : P3MA_4
- Track 996 : P1201_28
- Track 997 : Kumao_14
- Track 998 : Gallia_21
- Track 999 : DS6A_6
- Track 1000 : ArV2_03
- Track 1001 : LilSpotty_3
- Track 1002 : Tailonex_10
- Track 1003 : EmiRose_3
- Track 1004 : Attoomi_4

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

The start number called the most often in the published annotations is 127, it was called in 330 of the 2091 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_13, 40AC_16, AN3_13, AN9_16, ANI8_16, AbbyPaige_15, Acolyte_13, Adzzy_14, Agape74_15, AgentM_10, Airmid_10, Aliter_14, Alma_14, Anaysia_15, Aneem_13, AnnaL29_16, Anon_13, Anselm_13, Anthony_12, Aragog_10, ArcherNM_15, Archetta_10, Arissanae_12, Artemis2UCLA_16, Astro_10, Ayanochan_15, B1_10, BABullseye_16, BabyBack_15, BabyJohn_11, Bachome_13, Bactobuster_14, Baehexic_14, Battleship_16, Bauer_5, Beemo_14, BellaJr_5, Bellris_11, Benedict_10, BengiVuitton_14, BennyP_16, Benvolio_13, BiancaTri92_15, BillKnuckles_13, BlackSpider_3, BlessJoy_16, Blinn1_16, Blue7_16, BlueBird_13, Bluefalcon_9, BobSwaget_16, BogosyJay_14, Bonamassa_10, Boohoo_15, Bowtie_13, Bradman_12, Bud_13, Bugatti_12, Bugsy_15, Bxb1_11, C3_11, CRB1_13, Caitlin_10, Candra_16, Caraxes_12, Cassini_3, Catalina_14, Celestiallunch_13, Centaur_15, Chadwick_11, Changeling_16, Chargerpower_13, Charm_13, Chartreuse_16, Che12_14, ChipMunk_15, Chiqui_11, Clammy_12, CloudWang3_16, CogOmlette_11, Colin_17, Conquerage_14, Conspiracy_10, Coog_10, Cookiedough_16, Crucio_13, Cuco_10, D29_14, D32_16, DBQu4n_16, DaVinci_16, Dalmatian_13, Danforth_9, Darrell_15, DarthPhader_14, DeerParkTS_14, DekHockey33_15, Deloris_14, Dignity_15, Discoknowium_10, Dixon_10, Dorothea_16, Drake55_15, DreamTeam1_13, DropBear_12, Dublin_9, DudeLittle_13, Duplo_16, EZMoney23_17, EagleEye_15, Ebony_13, Echid_13, EdogawaKiddo_12, Eidsmoe_14, ElTiger69_10, Elephantoon_14, Elle_13, EmyBug_14, Epsocamisio_15, Equemioh13_15, EricB_16, Et2Brutus_12, EvilGenius_15, Expelliarmus_9, ExplosioNervosa_14, Fameo_13, FatCactus_11, Fayely_14, Fibonacci_13, FiringLine_13, First_0013, Flare16_13, Flaverint_13, Florence1_10, Florence4_11, ForGetIt_10, ForesterFrank_14, Fred313_12, Gail_12, Garak_17, GaugeLDP_15, George_9, Georgie2_14, Ghouboy_10, Gilberta_13, Giroux_13, Gladiator_16, Gratitude_14, GreedyLawyer_16, Groundhog_9, Gruunaga_16, Hammer_16, Hanray_13, HarryHoudini_15, Heathen_12, Heffalump_15, HelDan_12, Helmet_16, Herbertwm_11, Hexamo_16, HippoHollow_14, Horex_13, Hoot_16, HortumSL17_14, HuhtaEnerson15_10, Hutc2_13, Idleandcovert_12, Indra_16, Insomnia_13, IronMan_15, Isca_12, Isiphiwo_16, Iwokeuplikedis_13, JF2_12, JF4_12, JSwag_15, Jaan_16, Jabiru_10, Jabith_13, Jeeves_12, Jeffabunny_16, Jerm_15, JewelBug_16, Jiawan_13,

Jordennis_16, Joselito_13, JoshKayV_15, Journey13_11, Jovo_10, Jsquared_12, Kachowdy_12, Kalpine_16, KatherineG_15, Kazan_16, Kerberos_16, Keziacharles14_12, KingCyrus_15, Kinmap_12, Kipper29_16, Klodlith_13, Koduck_14, Koko_16, Kugel_13, Kykar_10, L5_14, LadyBird_13, Landor_14, Larenn_14, LastResort_15, Leogania_15, Lev2_10, Leviathan_15, LilTurb_15, Lilbunny_16, Lilleskat_12, LionsBait_14, LittleCherry_10, LogiBear_16, Lokk_16, LoneWolf_14, Looper_16, Loser_16, Luchador_13, Lucivia_13, Lucyedi_14, MA5_12, MK4_12, MaCh_13, Mabel_13, MajorMajor_12, Malec_14, Maminaiaina_14, Marchesa_12, MarysWell_9, McFly_16, MegTheThird_12, Micasa_10, MiculUcigas_13, Midas2_10, Miko_16, Milcery_10, MinecraftSteve_16, Minispark_11, MissWhite_13, Mulciber_13, Munch_13, MyraDee_10, Myxus_14, NaSiaTalie_13, Naca_10, Naji_16, NearlyHeadless_10, Nebulosus_15, Nedarya_14, Neeharika16_16, Newrala_16, NicoleTera_17, NothingSpecial_15, Odin_12, Onglai_13, Oofda_15, Orange_13, PackMan_14, PainterBoy_14, Petersenfast_12, PetterN_11, Ph8s_14, Phaded_16, Phaeder_14, Phantastic_12, Pharaoh_13, Phillis_10, Phlei_9, Phlorence_10, Phonnegut_14, PickleBack_10, Pioneer_14, Piro94_14, Pistachio_13, Pmask_16, Polyphemus_16, Pomar16_16, Power_13, Priamo_16, Prinashel1_11, Priya_14, Pukovnik_15, Puppy_13, Qobbit_14, QueenB2_13, QueenBeesly_13, Quokka_11, Rachaly_16, Rahalelujah_12, Ravana_15, ReMo_15, RedRock_16, Refuge_16, Remus_15, Retro23_13, Rifter_16, Roary_10, Rockstar_12, Roimos_12, Roksolana_16, Rosalind_15, RyeScarlet_15, Sachima_12, Saintus_10, Salz_13, Saskia_12, SaturnRing_12, Scherzo_14, Scorpia_11, Scout_12, SemperFi_15, Serenity_12, Sham4_13, ShayRa_16, SheaKeira_13, Sknot_13, Smeadley_10, Smeagan_15, SmellyB_16, SnapTap_13, Snape_13, SororFago_12, Soups_15, Spouty_14, StarStuff_16, Steamy_14, Stephig9_10, Strosahl_15, Sunhee_12, SuperAwesome_16, SuperCallie99_16, Superchunk_12, SweetiePie_13, SwirlSquare_14, Swirley_10, Switzerland_15, SydNat_10, TNguyen7_12, Target_14, TarsusIV_13, Tarynearal_9, Temprado_16, Terrific_17, Theia_9, Tiger_10, Timothy_13, TinyTimmy_13, TipsytheTRex_12, Toaka_12, Tomathan_16, ToneTone_15, Travvers_16, Tristan_14, Trixie_16, Trooper_13, Tubs_14, Tucker_16, Turbido_15, Twigg_10, Ugenie5_11, UnionJack_10, Updawg_15, VA6_13, VC3_16, Vanisoa_12, VohminGhazi_16, Waits_15, Warrior24_15, WeiHuaDA_19, Whabigail7_15, Whitspit_13, WideWale_15, Wiks_16, Wolpertinger_12, WorldCup_11, WunderPhul_16, XianYue_13, Yecey3_13, Yokurt_16, Zaka_16, Zarafa_12, Zimmer_15, Zolita_9, Zucker_4, Zulu_16,

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

- Apiary_29, Braxoaddie_29, CoffeeBean_29, DelvinSonDorr_15, Ennea_31, Float294_27, Fury_34, Gagieri_29, HomeFry_31, Kimba_13, Lollipop1437_30, MacGully_33, Maselop_29, Patio_28, Pleakley_34, Polyuyki_29, Prudy_15, RedRaider_32, Scuba_34, Skysand_27,

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

- 8UZL_6, A6_10, ACFishhook_14, AEgle_3, AFIS_12, AGrandiflora_3, ATCC29399BC_3, ATCC29399BT_3, Aaronocolus_7, AbbeyMikolon_3, AbbyDaisy_4, AbbyRanger_12, Abbyshoes_13, Abdiel_12, Abrogate_130, Abscondus_30, AceofSpades_3, Acebe_12, Acme_14, Acquire49_5, ActinUp_9, AdaS_4, Adahisdi_13, Adephagia_9, Adolin_3, Adonis_9, Adumb2043_3, Aegeus_5, Aeneas_14, Agaliana_12, Agamoto_7, Agatha_5, Agent47_7, Ageofdapage_9, Aglet_14, AgronaGT15_14, AikoCarson_4, Aikyam_4, AinMach_3, AizenPogi_3, Ajay_12, Akhila_4, Alatin_9, Albee_12, Alberto7_13, Aldrich_13, Alexphander_4, AlishaPH_9, AlleyCat_7, Aloeri_4, Alpados_8, AlpineSix_3, Alsaber_8, Alsfro_16, Altman_13, Alvin_13, Alvy_9, Amela_7, Amelie_5, Amethyst_7, Amigne_7,

Aminay_7, Amohnition_8, Amok_4, Amploria_3, Amyev_3, Anaya_10, AndPeggy_4, Andris_7, Anekin_3, Angel_3, Angelica_9, Angelique_3, Anglerfish_13, AngryOrchard_8, Animus_8, Anma_9, AnnabelLee_5, Annihilator_3, Annyong_12, Antsirabe_3, Anubis_16, Aphelion_31, Apocalypse_9, AppleCloud_7, Applecrisp_7, Applejack_12, Appletree2_5, Apricot_3, Aquarius_3, ArV2_03, Arcanine_13, Archie_5, ArcusAngelus_3, Ardmore_3, Arianna_4, Arlo_11, Aroostook_3, Arti_25, Arturo_11, Asa16_3, Asapag_4, Asayake_9, Ascela_3, Ashballer_11, Ashes_3, Asten_7, Atiba_9, Atkinbua_13, Attacne_3, Attoomi_4, Aubs_3, Audell_8, AugsMagnumOpus_16, Auspice_15, Auxilium_4, AvadaKedavra_5, Avani_4, AvatarAhPeg_12, Avle17_12, Avocado_3, Avrafan_3, Awesomesauce_4, Axiom_8, Axym_5, Azira_7, Aziz_19, Azrael100_26, AzulaCat_3, B22_4, BEEST_9, BENtherdunthat_4, BGlluviae_9, BK1_10, BPBiebs31_13, BPs_3, BQuat_3, Baby16_12, BabyMoney_5, BabyRay_12, Bachita_33, Backyardigan_12, BaconJack_14, Badger_12, BaghaKamala_9, BaileyBlu_3, Balloona_4, BananenDer11_7, BangNhom_11, Bantam_13, Baoshan_4, Barkley26_3, Barnstormer_3, BarrelRoll_9, Barriga_12, BarrowTuph_11, BarryBee_9, BartholomewSD_9, Bartimeaus_12, BasketStar_4, Batiatius_3, Baudelaire_5, Bavailard_5, Bazzle_5, Beakin_4, Beanstalk_4, BearBQ_3, BeardedLady_8, Beatrix_11, Beaupre_3, Beauxregard13_14, BeeGee_3, Beelzebub_40, BeesKnees_13, Beezoo_9, Belenaria_9, Bella96_9, Belladonna_9, Bellis_6, BellusTerra_12, BenchScraper_4, Bern_9, Bernal13_4, Berrie_3, Bethlehem_12, Bexan_11, Bhageatrice_6, BiPauneto_28, Big3_12, BigCheese_5, BigChungus_4, BigMau_14, BigPaolini_13, BigPhil_4, Bigchungi_12, Bigflo_14, Bigfoot_11, Binglebops_5, BillDoor_7, BillyTP_4, Bimmel_49, Bipolar_3, Bircsak_12, Birdsong_3, Biskit_6, Blackbeetle_36, Blackflame_12, Blackmoor_12, Blarby_5, Blesser_12, Blexus_3, Blizzard_9, Blondies_6, BluSpix_12, BlueCrab_3, BlueShadow_4, Blue_12, Bob3_11, BobaPhett_3, BobbyDazzler_9, Bobi_4, Bobquesha_10, BobsGarage_5, BodEinwohner17_3, Boi111_9, Boilgate_6, Bombshell_12, Bonanza_9, Bones_12, Bongo_15, Bonum_28, Boomer_4, BoostSeason_5, BotCity_4, BourbonZero_5, Bovely_7, Bowden_8, Bradissa_3, Bradshaw_9, BrainDrainer_5, Brataylor_8, BreSam8_14, Breezona_5, Bricole_15, Bridgette_3, BritBrat_3, Briton15_14, BroPlease_8, Brocalys_3, Bromden_5, Brookers_4, Broseidon_12, BruceB_3, BruceLethal_3, Bruiser_12, Bruns_11, Brushbloom_4, BrutonGaster_19, BryanRecycles_8, Bryce_9, Bryler_8, BubbleTrouble_12, Bubble_5, Bubbles123_3, Budski_4, Buggaboo_26, Bumblebee11_12, Burger_11, Burnsey_5, Burton_13, Burwell21_3, Button_6, Buttons_13, Buttrmilkdreams_5, BuzzBuzz_13, BuzzLyseyear_4, Bxz2_14, ByChance_3, Byougenkin_3, C3PO_13, CLED96_3, CREW_9, Cabrinians_3, CactusRose_11, Caelakin_12, Caelum_8, Cain_8, Caliburn_7, CallaLilly_9, CallinAllBarbz_3, Calm_5, Calvinny_15, Cambiare_4, Camperdownii_11, Camri_3, CanesSauce_5, Cappuccino_3, Caprice_33, Capricorn_9, CaptainTrips_4, CaramelLatte_5, CardboardBox_5, Cardigan_31, Carlyle_14, Caron_3, Carsonalex_6, CartmannCramer_12, CaseJules_9, Cashline_3, Cassia_3, CassieYates_3, CatBus_13, Caviar_13, Cedasite_3, Celery_9, Celeste_7, Celia_7, Cen1621_3, CentreCat_12, Cerasum_4, Cerulean_12, ChamoyPickle_5, ChampagnePapi_12, Chanagan_11, Chance64_3, Chancellor_10, Chaph_12, Chaser_5, Chavito_9, Che8_3, Che9d_4, CheeseTouch_4, Cheesepuff_3, CheetoDust_9, Cheetobro_10, Cherrybomb426_3, CherryonLim_6, Chevrolet_3, ChewyVIII_39, ChickenDinner_4, ChickenTender_7, ChipsNGuac_5, ChocoMunchkin_5, Chris_8, ChristmasHams_12, ChuckDuck_3, Chuckly_3, Chucky_7, Chupacabra_12, ChutneyChips_5, Ciao_12, CicholasNage_5, Cici_12, Cindaradix_11, Cintron_12, Citius_12, Clank_3, Clarenza_12, Clarkson_37, Claus_5, Clautastrophe_6, Cleo_5, Clifton_3, Clipper_9, Cloudyecho_3, ClownCar_15, ClubL_31, Coco12_4, CocoaPuff_4, CocoaBerry_12, Colbster_14, Coleslaw_3,

Collard_7, Colleen_4, Commandaria_27, Commander_12, Community_4, Conan_8, ConceptII_12, Confidence_3, Connomayer_12, Constance_3, CookieBear_4, Corazon_34, Corium_3, Cornie_3, Cornucopia_4, Corvo_12, CosmicBrownie_3, CosmicSans_9, Cosmo_27, Cota_3, Cozz_5, Crater_3, Crescenzo_4, Crespo_3, Crewmate_4, CrimD_9, Crispicous1_11, Croquant_15, Crossroads_5, Cruella_13, Crumble_3, Cucurbita_33, Cueyllyss_12, Cullens_14, Culver_31, Curiosium_10, Cyan_3, DD5_13, DHan_5, DLane_3, DMoney_3, DNAllI_003, DRBy19_3, DS6A_6, DaHudson_14, DaWorst_4, DaddyRickover_3, Dadosky_7, Daenerys_3, Daishi_13, Dalilpop_30, Dalmuri_9, DanBing_4, DanSyl44_10, Dante_3, Danzina_8, Daredevil_13, Darionha_3, DartGoblin_9, DARTH_P_8, Dartin_9, DarwinJr_6, Darwin_16, DatBoi_14, Dattran_8, Datway_12, Daudau_7, DeadP_3, Deano_12, Deb65_3, Deby_9, Demsculpinboyz_4, Devera_9, Dexers_6, Dexes_13, Dhanush_12, Diane_7, Dieselweasel_14, DillTech15_3, Diminimus_16, DingDing_3, Ding_4, Dinger_9, DirkDirk_5, DirtDevil_13, DirtMcGirt_4, DirtyDunning_12, DismalFunk_5, DismalStressor_5, DoRead_3, DocMcStuffins_4, Doedicurus_9, Dogfish_5, Dole_9, Donkey_3, Donkeykong_3, DontArgue_11, Doom_12, Doomphist_3, Doomslug_4, Dorothy_3, DosHalletts_4, DotProduct_3, DoubleChamp_7, Doucette_4, Doug_3, Douge_5, Doughnut_5, Douzhi_5, DrFeelGood_11, DrHayes_9, DrManhattan_3, DrParker_3, DrSeegs_5, DrSierra_3, Drago_4, Drake94_11, Dre3_5, DreamCatcher_15, Dreamboat_13, DroogsArmy_13, Druantia_12, Dryad_10, Dubu_3, Dulcie_11, Dulcita_16, DuncansLeg_6, Durfee_9, Dussy_13, DustyMartin_15, Dusty_30, Dwayne_7, Dynamix_13, DyoEdafos_6, E6_4, ECartman_3, ELB20_06, EMSquaredA_3, Eagle_11, Eaglepride_13, Eapen_12, Ecliptus_4, Eddasa_8, Edison31_12, Edtherson_13, Edugator_6, Efra2_9, Eileen_3, Eish_3, Ejemplo_7, Ekdilam_6, ElGato_8, ElJefes_4, EleanorGeorge_3, Elezi_3, Elfy_3, Elinal_6, Elliott_5, Ellie_6, Ellson_6, Emaanora_9, Emalyn_4, Emerson_9, EmiMonkey_3, EmiRose_3, Emianna_25, Emma_3, Emmaloid_4, Emotion_3, Empress_3, EnalisNailo_3, Enby_4, Enceladus_5, Engineer_32, EniyanLRS_24, Enkosi_5, EnochSoames_8, Enochoraptor_3, Enoki_3, EnzoK_13, EpicPhail_14, Eponine_10, Eradicator_3, Eraser_3, Erik_9, Eris_12, Eros_12, Esperer_7, Espica_9, Espresso_12, Estave1_3, Estes_20, EtoileNova_13, Euphoria_12, Eurydice_12, EvePickles_4, Ewald_6, Exile_3, Eyeball_12, Ezurina_4, FF47_06, Faith1_5, Faja_4, Fajezeel_14, Fancypants_3, Farber_14, Farewell_3, FarmResident_5, Fascinus_11, Fastidio_3, Feastonyet_4, Fefferhead_8, FeliMaine_38, Fenn_13, Fernando_14, Feyre_7, Filuzino_3, Findley_5, FinemLucis_5, Finnry_6, Fionnbharth_10, Firehouse51_3, FiveHead_3, FlagStaff_3, Flapper_29, Flathead_4, Floof_3, Floral_3, Florean_12, Florinda_3, Flutur_3, Flux_12, FlyCatcher_16, Footloose_3, Forester_3, ForeverHowLong_3, Forsytheast_11, FosterFrank_3, Foxboro_26, Francis47_12, Frankie_4, FreakyGoo_16, FreddyB_3, Fribs8_6, Frickyeh_4, Froghopper_13, Frosty24_3, Fruitloop_3, Fryberger_35, Funston_12, Fushigi_13, G4_4, GAL1_5, GMA4_3, GMonster_11, GRU1_15, GTE2_03, GTE5_16, GTE8_14, Gumbie_3, Gabriela_5, Gachnar_12, Gadost_12, GageAP_14, Gaia_3, Galactic_3, Gallia_21, Gambol_3, Gandalf20_13, Gandolph_3, Ganymede_9, Gardann_5, GardenSalsa_19, GardenState_3, Gattaca_35, Geeche_30, Gemma_14, GenevaB15_19, Gengar_7, Geraldini_9, Geralt_3, Gerri43_5, Getalong_4, GiKK_8, Gibbous_5, Gibson_9, Gideon_3, GigiOuiOui_3, GingkoMaracino_14, Giorgio_3, Girafales_4, GirlDinner_7, Girr_3, Glaske16_16, Globfish_4, GlobiWarming_3, Goby_7, GodSpeed_3, Godpower_8, GoldHunter_6, GoldenAsh_3, Gollum_9, Gomashi_3, Gompeii16_12, GoongGoong_35, Goose_12, Gorge_3, Gorpy_4, Graduation_14, GrecoEtereo_13, GreenWeasel_9, Greenbelt_10, Greg_14, Gretchen_3, Grif_14, GrimEater_3, Grimmer_4, Grizzly_3, GrootJr_27, GroundGoblin_13, Groupthink_15, Grub_14, Grum1_14, GtownJaz_14, Guanica15_9, Guey18_40, Guillsminger_7, GumGum_4, Gumpizza_3, Guppsters_3, GuuelaD_5, Gwendoluna_14, Gwennie_13, Gyzlar_14,

HINdeR_12, Hades_3, Hafay_5, Haizum_7, Halena_5, Halo_3, Halsey_3, HamSlice_11, Hami1_14, Hammy_8, Hamulus_3, HanShotFirst_12, Hank144_8, Happiness_12, Harlequin_9, Harley_3, HarryOW_13, HashRod_15, HaveUMetTed_15, HedwigODU_9, Heftyboy_7, Hegedechwinu_4, Heliosoles_14, Henrique_3, Hercules11_14, Hermia_14, HermioneGrange_13, Hestia_3, Hexbug_6, Hillester_4, HippoPololi_7, Hippo_7, Hiro_9, Hlubikazi_3, Holli_12, Holiday_4, Homines_12, Homura_9, Honk_3, Hookmount_13, Hope4ever_12, Hope_3, Horseradish_6, Horus_4, HotPotato_3, Hotshotbaby7_3, Houdini22_12, HubbaBubba_23, Hum25_3, Huphlepuuff_38, Hurricane_8, Huxley_12, Hydra_9, Hyperbowlee_9, IAmGroot_3, ICleared_12, IDyn_26, ILeeKay_14, IMpilo_3, IPhane7_15, IUFootball_3, IbOuu_3, Ibantik_69, Ibhubesi_3, Ibrahim_4, Iceman_12, Ichabod_13, IdentityCrisis_3, IgnatiusPatJac_11, Illumine_9, InLimbo_3, Indigo_7, Inky_9, Inventum_3, InvictusManeo_7, Inyanga_11, Iqorha_11, Iracema64_12, IrishSherpFalk_3, Isolde_4, Isperia_8, Issmi_8, Iter_3, Itos_5, IttyBittyPiggy_3, Itza_7, Izel_16, Izzy_8, JAWS_9, JC27_14, JF1_10, JHC117_14, Jabbawokkie_5, Jablanski_3, JackSparrow_13, JacoRen57_3, JakeTheSnake_4, JalFarm20_4, James_3, Jamzy_8, Jane_3, Janeemi_4, Jankie_3, Jant_3, Janus_8, Jacob_3, Jarvi_9, Jash_8, JasmineDragon_3, Jasper_13, Jayhawk_9, Jaykayelowell_12, Jeckyll_9, Jeilious_3, JellyBread_4, JenCasNa_14, Jennelsea_3, JeppNRM_15, Jerm2_13, Jester_9, JetBlade_12, Jevington_9, Jhitchelle_6, Jifall16_24, Jinglebell_3, Job42_4, Jobu08_14, Jobypre_6, JoeDirt_5, Joemato_3, JoeyJr_3, JohnDoe_3, JohnThicc_3, JoieB_37, Jolene_3, Jolie2_3, JonJames_31, Jonghyun_3, JoongJeon_12, JorRay_3, Jorgensen_12, Joy99_9, Jstan_3, Jubie_6, Judy_3, Juice456_4, Juicebox_4, JuliaChild_14, Juliette_10, JuneStar_3, Juniper1_3, KADY_15, KBG_13, KFPoly_12, KSSJEB_12, Kabloowy_4, Kabluna_28, Kahlid_5, Kaine_7, Kalb97_15, Kalimba_3, Kalnoky_15, Kamaru_4, Kamy_12, Kanely_13, Kareem_3, Karhdo_3, Karkharias_3, Kasen3_3, Katalie136_12, Katalie_8, KayGee_5, KayMoney_3, Kaylissa_3, KeAlii_3, Keelan_33, Keiki_3, KekoraPapaka_11, Kenmech_15, Kenna_4, Kenuha5_3, Kersh_3, Keshu_8, KiSi_8, KidneyBean_25, KikiBouba_14, Killigrew_10, KimJongPhill_9, Kimberlium_4, Kimchi1738_13, Kimona_9, KingJulian_3, KingMidas_3, Kingmustik0402_12, Kingsley_4, Kingsolomon_6, KirDoubleO7_4, KittenMittens_11, KleverKiS_15, Koan_12, Koella_3, Koreni_11, Krakatau_4, Kratark_12, Kratio_6, Kraw_10, Kremtemulon_12, Krishelle_9, KristaRAM_4, Kristoff_13, Kromp_3, Kropertea_5, Krueger_8, Krypton555_6, Kubed_3, Kudfre_13, Kumao_14, Kurt_25, Kuwabara_3, KyMonks1A_14, Kyee_12, LBerry_14, LHTSCC_12, LadyAstra_3, Lambert1_13, Lamina13_12, Lannister_8, LappelDuVide_12, LarryKay_14, Larva_7, Lasker_4, LastHope_9, LastJedi_3, LastNadiia_8, LaterM_9, Latretium_3, Lauchelly_3, Lauer_4, Lavahound_7, Lawnathon_4, LeBron_5, LeBruni_4, LeMond_8, Lea83_8, Lebo14_10, Legacy_7, Lego_3, Lemur_12, Lemuria_3, LeoAvram_12, Leozinho_4, Leperchaun_3, Leroy_4, Lesedi_11, Leston_7, Levia_12, Leviosa_3, Leviticus_7, Lewan_5, Licorice_14, Liebe_3, Liefie_3, Lika_7, LilBandit_3, LilBib_13, LilDestine_5, LilDirt_6, LilJank_13, LilMoolah_3, LilPharaoh_5, LilSpotty_3, Lilas_3, Lilbit_35, LilhomieP_14, Lilith_14, Lillie_9, LilyBell_3, LindNT_9, LisoBros_3, LitninMcQueen_4, LittleB_12, LittleGuy_12, LittleLaf_36, LittleRon_3, LittleShirley_4, LiyuLake_6, Lizalica_3, Lizz_9, Lizziana_3, Llama_3, Llij_3, Llorens_9, Loadrie_5, LochMonster_12, Lockley_12, Lolly9_6, London_3, LonelyBoi_3, LongHai_7, Loofah_8, Lopton_13, LordVader_4, Lorde_4, Lorelei_7, Lorenzo_12, Louie6_14, LouisV14_3, Lowa_14, Lozinak_31, Lucia_4, Lucky10_3, LugYA_16, Lumos_6, LunaBlu_3, LunaStella_3, Lunahalos_9, LunarLander_12, Lunsford_13, Lutum_4, Lynnae_5, MAckerman_5, MAnor_5, MEAK_3, MOOREtheMARYer_3, MPlant7149_11, MScarn_7, MUWow_3, MZKinsey_3, MaGuCo_3, MaVan_7, Mabodamaca_3, MacKat_9, MacnCheese_9, Maco6_4, MadMarie_14, MadMen_3,

Madiba_4, Magnar_12, Magnito_11, Mahavrat_3, Mainiac_14, Makemake_12, Makima_6, MalagasyRose_8, Maliketh_3, Malinsilva_16, Malisha_4, Malthus_10, Malvina_7, Manatee_13, Mandlovu_3, Maneekul_7, Manilisa_7, Mantra_3, Manu_15, Mapleville_3, MarQuardt_14, Marav_10, Maravista_3, Marcell_12, Marchy_11, Marco3_12, Marcoliusprime_5, Margaret_8, Marge_13, Margo_13, Marie_14, Marietta_27, Marius_15, MarkPhew_8, Marker_4, Marmie_3, Maroc7_11, Marsha_12, Marshawn_10, Marteenaa_3, Martik_3, Marvin_34, MaryBeth_12, MaryV_27, MaterMagnus_4, Mattes_3, Maureen_3, Maverick_12, Maxo_12, Mayonnaise_12, Mayweather_6, Mazhar510_12, McDazzle_4, McGuire_13, McMater_9, McSinger_13, Mdavu_5, MeaningOfLife_9, Medindi_3, Medusa_12, MeeZee_12, Megsy_9, Melissauren88_3, Melvin_12, Mendokysei_3, MerCougar_26, Mercurio_4, Merpity_4, MetalQZJ_12, Methuselah_14, Meyran_5, Michkear_6, Michley_12, Microwolf_14, MidnightRain_4, MilanaBonita_4, Miley16_5, MilleFeuille_11, MilleniumForce_4, Millski_12, Milly_5, MiniLon_6, MiniMac_6, MiniMommy_3, MinionDave_4, Minnie_3, Miramae_12, Mireles_5, Miryou_7, Misha28_4, Miskis_29, Misomonster_16, MissDaisy_10, MissSwiss_3, MisterCuddles_3, Mitti_10, MkaliMitinis3_5, Mkhuseli_13, Modragons_3, Molly_13, Mollymur_14, Monet_14, MoneyMay_14, Montavir_13, Moonbeam_3, Moose_11, Moostard_6, Morkie_3, Morpher26_12, Morrow_12, MortyNRick_3, MosMoris_34, Moss_3, Mova_4, Mowgli_3, Moyashi_3, Mozy_4, MrAK_3, MrGordo_12, MrMagoo_19, MrSmee_3, Mryolo_11, Ms6_3, MsGreen_6, MuchMore_16, Muddy_6, Mudpuppy_3, Mufasa_5, MulchExplorer_4, MulchSalad_3, Mule_12, Mundrea_12, MunkgeeRoachy_5, MurphyJoseph_4, Murucutumbu_9, Museum_14, Mutaforma13_3, Mwanjiwa_3, Mynx_9, Mysterium_3, NEHalo_12, Nabi_7, NadineRae_25, Naiad_9, Naira_13, Nairb_4, Nancinator_9, Nanodon_9, Nanosmite_19, NatB6_25, Natosaleda_9, Nebkiss_3, Nebs_12, Neighly_7, Nemo27_12, Neoh_3, Nerdos_7, Nergal_6, Nerujay_13, Nesbitt_3, Nette_4, Netyap_5, Neuville_5, Neville_13, NewHope4_3, NewKitty_4, Nhonho_12, Nibb_8, Nibbles_7, Nichirin_3, Nicholas_6, Nicholasp3_5, NidoQ_3, Nikao_5, NikkiHotWheels_3, Niklas_9, Nimbo_3, Nina_5, Niobe_3, Nishikigoi_7, Nitro_3, Nitzel_4, Nivrat_3, Niza_14, NoShow_3, Nodigi_6, Noella_13, Noelle_12, Norbert_12, NormanBulbieJr_3, NorthStar_12, Norvs_32, Norz_14, NosilaM_28, NotAPhaseMom_12, November_7, NovumRegina_25, Noxious_14, Nutello_5, Nyceirae_7, Nyilah_3, Nyxis_12, ODay_4, OKCentral2016_12, OKaNui_12, Obama12_12, ObiToo_3, Ochi17_3, OctaviousRex_3, Octobien14_14, OfUltron_3, Ogopogo_5, OhShagHennessy_5, Ohfah_12, Ohno789_12, Okabe_5, OkiRoe_7, Oksu_4, OlanP_14, OldBen_3, Olga_3, Oliynyk_8, Ollie_14, OlympiaSaint_3, Omar_8, OmniCritical_10, Omnicron_7, OneUp_25, Oogway_11, Origami_3, Orla_6, OscarSo_11, Oscar_8, Ouroboros_3, Outis_26, Ovechkin_3, OverPar_5, OwlsT2W_4, Ozzie_7, OzzyJ_8, P1.1_3, P100.1_3, P100A_3, P100D_3, P101A_3, P104A_3, P104B_3, P105_3, P106A_3, P106C_3, P106I_3, P106L_3, P106M_3, P107A_3, P107C_3, P108C_3, P1201_28, P14.4_3, P28Green_14, P3MA_4, P9.1_3, PA6_3, PAD20_3, PAS50_3, PGHhamlin_16, PHL010M04_03, PHL037M02_03, PHL060L00_03, PHL067M10_03, PHL071N05_03, PHL111M01_03, PHL112N00_03, PHL113M01_03, PHL114L00_03, PHTown_9, PHappiness_3, PMC_3, PP_22, PSullivan_14, PYPDinur_5, Pablito_7, Pacc40_3, Pace1224_3, PacerPaul_12, Padfoot_9, Padpat_9, Paedore_7, Paito_3, Palestino_12, Panamaxus_13, PandaPo_3, Paola_7, Paolo_9, Papez_14, Paphu_11, Paraselene_11, Pari_13, Parliament_11, Partridge_9, PascalRango_11, PatoPoderoso_3, Patt_10, PattyP_14, Pavo_8, Pawn_14, Payneful_12, PeaceMeal1_11, Peaches_12, Peanam_9, Peas_3, Peeb_3, Peel_9, PegLeg_15, PeggyLeg03_3, Pelly_13, Pemberton_28, Pembroke_14, Penny1_14, Pepe_13, Percival_3, Peridot_4, Periodt_3, Periwinkle_4, Perplexer_12, Perseus_13, Persistence_3, PeterPeter_12, Peterson_15, PeteyPab_13, PetiteSangsue_12,

Petp2012_14, Petruchio_12, Phabuloso_4, Phacado_12, PhailMary_8, Phalconet_3, Phanphagia_3, PhaoMing_2, Pharb_8, Phasih_3, Phatniss_3, Phelipe_12, PhelpsODU_8, PherrisBueller_13, PhesterPhotato_3, Phettuccine_7, Phighter1804_12, Philus_3, PhineBark_11, PhinkBoden_31, PhishRPhriends_13, Phish_3, Phishy_6, Phistory_4, Phives_4, PhlipPhlop_3, Phlippers_11, Phloodle_3, Phoebe_14, Phomeo_24, Phontbonne_12, PhorbesPhlower_3, Phoxy_14, Phrank15_3, Phrank_8, Phrankenstein_9, Phranny_15, Phreak_3, PhrostyMug_12, Piatt_9, PinkPlastic_11, PinkYoshi_3, Pinnie_4, Pinto_14, Pipcraft_12, Piper2020_4, Pippin_14, Pippy_3, Pirate_3, Pisa1_8, Pisa4_8, Pita2_14, Pitbull_3, Pixelle_3, Pixie_8, Plagueis_3, Plumbus_4, Pocahontas_13, Poenanya_3, Poise_36, Pokerus_8, Polka14_3, Pollux_3, Pollywog_4, Polymorphads_12, Pons_5, Ponzi_44, Poochiewood_5, Poompha_11, PopTart_3, Popcicle_13, Posh_3, PotPie_5, PotatoChip_13, PotatoSplit_15, Poushou_4, PowerRanger_12, Powerpuff_3, Primanti_3, Pringar_36, Priscilla_3, Prithvi_9, ProMouse_11, Procrass1_3, Provolone_8, PsychoKiller_5, Psycho_7, Pucara_3, Puginator_9, Pumbaa_12, Pumpkins_3, Puppet_12, PurpleHaze_14, Pytheas_3, QTRlifeCrisis_12, Qhanda_10, Quasar_5, Quby_5, QueenBey_3, QuickMath_3, Quico_4, QuincyRose_8, QuinnKiro_12, R4_7, RADical_6, RER2_2, RGL3_2, RSchmailzl_6, Rabbitrun_15, Rabbs_3, RadFad_4, Radiance_3, Raela_36, Raid_12, Rajelicia_12, Ramen_9, Ramsey_4, Rana_7, RanchParmCat_8, Rando14_7, Raphaella_4, Rapunzel97_9, Raqqa_4, Rasputin_9, Rattrick_3, Raya_3, Reba_15, Rebeuca_13, Red305_6, RedBaron_7, RedBear_9, RedBird_3, RedRaider77_36, Reedo_3, Reindeer_13, Relief_12, Remy19_3, Renaissance_3, Renaud18_3, Reptar3000_10, ResDef_13, RexFury_9, Rey_19, Rhodalysa_9, RhynO_13, Rhynn_12, Rialto_4, Richarlison_3, Richie_4, Richo_9, RidgeCB_12, Rileysaurus_3, Ringer_12, RitaG_3, Rita_3, Roberts_5, RockScotty_3, RockieBear_11, Rockne_3, RockyHorror_4, Rohr_13, Romney_12, RonRayGun_4, Ronaldo_38, Rooney_9, Roosevelt_12, Rosa24_11, Rose5_5, RoseMarie_15, Rosmarinus_9, Rossetti_5, Rowa_3, Rowdy_15, Royals2015_3, Rubeus_13, Ruby_3, Rufus_13, Ruin_12, Rummer_14, Rumpelstiltskin_5, RunningOnE_65, Ruotula_11, Ruriko_3, Rusticus_8, Rutherford_14, Ruthiejr_9, SG4_3, SKKY_3, SPB78_3, STLscum_13, Saal_3, Sabbb_3, Sabertooth_12, Sabia_14, Sabinator_14, Sabourin_3, Saftant_7, Sagefire_13, Sakai_4, Salvus_7, SamScheppers_8, Samty_6, SamuelLPlaqson_9, Samy_6, Sandaddy_11, Sandalphon_3, Sanya_11, SarFire_12, SarahRose_7, Sarma624_4, Sarshaun_5, Sashimi_4, Sassafras_3, SassyB_3, SassyC_11, Satrap_4, Scamp_12, Scarlett_8, Schaffner_3, Schiebel_3, Scottish_3, Scowl_13, SeaLumen_3, Seabastian_3, Seabiscuit_14, Seagreen_4, Seahorse_4, Seanderson_13, SenorClean_12, Sephiroth_14, Severus_11, SgtBeansprout_5, ShaboiShabazz_3, Shadow1_7, Shaka_12, ShakeltOph_3, ShakeNBake_9, Shaobing_9, Shapes_15, Shauna1_3, ShawBrad_4, SheckWes_4, ShedlockHolmes_8, Sheen_14, SheldonCooper_12, Sheng711_5, ShiLan_3, ShiaSurprise_9, ShortQueendom_12, ShowerHandel_3, ShroomBoi_3, Shukran_4, Shuman_9, Shygu2_12, SiSi_3, Sibs6_14, SilverChicken_4, Silverleaf_5, Simpson_3, SimranZ1_4, SirPhilip_8, Sizemore_3, Skelbel_3, SketchMex_4, SkiPole_14, Skinny_16, Skipitt_12, Skitty_3, Skyerus_3, Slagathor_13, Slarp_10, Sleepyhead_3, SlimJimmy_14, Slim_4, Slimphazie_9, Smairt_13, Smeagol_13, Smoothie_32, Snazzy_10, Sneeze_3, Snek_4, Snenia_6, Snickers_14, Snorlax_7, SoJulia_5, SoSeph_7, SoYo_14, Soap141_5, Socotra_6, SoilDragon_14, Solid_3, Solon_12, SonDevVon_3, Soondubu_3, Sooty_3, Sopespian_5, Sorpresa_12, Soshari_16, Soul22_4, South40_8, Sparkdehlily_3, Sparky_3, Spartacus_3, Spartoi_3, Sparxx_12, SpecialK_3, SpeedDemon_140, Speedwell_8, SpicyFrank_4, Spike509_14, SpikeBT_14, Spikelee_4, Spino_12, Spock_9, Spooks_50, Spooky_4, Spoonbill_3, Sporco_5, SqueakyClean_8, Squee_13, Squiddly_5, Squirty_4,

StAnnes_3, StCroix_9, Stagni_14, Stap_4, StarStruck_26, Starburst_6, Starceвич_4,
 Stargaze_3, Stasia_13, SteMason_12, SteamedHams_7, Stellammi_3, StepMih_14,
 StewieG_11, Stickynote_15, Stink_12, Stinson_9, Stormborn_3, Strobilo_5,
 Strokeseat_3, StrongArm_11, Studio_5, Stuu_3, SuMoo_3, Subaru_3, Success_51,
 Sudan_7, Sue2_3, Sujidade_8, Sukkupi_27, Sulley_9, Sultana_12,
 SummitAcademy_4, Sumter_11, Sunflower1121_7, SunkenRoot_9, SunsetPointe_7,
 Sunshine924_11, SuperGrey_3, SuperHands_3, SuperSulley_26, Supernova_3,
 Superstar_9, Survivors_7, SwagPigglett_3, Swann_9, SweatNTears_7, Sweets_3,
 SwissCheese_12, Switzer_13, Swole_14, Syleon_14, Syra333_8, TBond007_8,
 TChen_3, TClif_8, TDanisky_3, TM4_5, TMaxx_5, TPA4_3, TWAMP_9, Tachez_9,
 TagePhighter_8, Taheera_3, Tailonex_10, TaiwanKao_9, Taj_3, Takoda_9,
 Tallboi_3, Taquarus_12, Taquito_8, Tarnish_5, Tasp14_13, Taurus_14, Tbone_3,
 Tchotchke_4, Teejan_5, Tefunt_7, Teodoridan_10, Terror_3, Tesla_35, Texage_12,
 TforTroy_3, Thanksgivukkah_12, ThayneTheZag_4, TheloniousMonk_14, Thestral_8,
 ThetaBob_3, Thor_12, ThursdayNight_3, Thyatira_7, Tian_3, Tierra_8, Tiff81_4,
 Tiffany_14, Tigress9_8, Timshel_13, TinaBelcher_7, TinaBug_3, TinaFeyge_12,
 TingHuaYa_9, TiniBug_9, TinyPebbles_14, Tinybot_11, Tiri_9, TiroTheta9_12,
 Todacoro_13, Tolls_7, TomBrady_3, Toma_7, Toniann_31, TootsiePop_4,
 Tootsieroll_4, Topanga_12, Topgun_12, Topiatin_5, Topper_9, Toro_15, Toron_3,
 Torres_5, Tote_14, Totinger_4, TouchMeNot_4, Tourach_5, Towmatter_12,
 TpudiCK_16, Tracker_25, Traft412_14, Trax_13, Treddle_14, TreyKay_9, TriFive_6,
 TribbleTrouble_7, Trice_5, Trike_10, Tripl3t_13, TripleC_8, Triste_7, Triumph_9,
 Troje_5, Trouble_12, TroyPia_12, TruffulaTree_9, TrvxScott_6, TuanPN_7, Tuck_4,
 Turab_3, Turj99_11, Turuncu_29, Tutumahutu_3, Tweety19_4, Tweety_3,
 Twister_12, Twitch_9, TwoPeat_13, TyDawg_15, TygerBlood_12, Typhonmacy_5,
 Tyson_5, U2_12, UPIE_5, UhSalsa_9, Ulysses_11, UncleRicky_4, Underpass_5,
 Unicorn_8, Unstoppable_7, Urkel_9, Urza_7, UtzChips_3, VRedHorse_3,
 VResidence_3, VWB_3, Validus_9, Vanseggelen_10, VasuNzinga_36, Veliki_9,
 Velveteen_4, Verabelle_8, Veracruz_12, Verse_7, Veteran_3, Vetrix_5,
 VieEnRose_7, Vine_6, Violac_3, Violet_11, Virizion_10, ViviJ_6, Vivum_3, Vix_14,
 Volt_37, Vopal_4, Vordorf_5, VroomVroom_3, WST1_3, Wachhund_3, Wallaby_8,
 WalterMcMickey_12, Wamburgxpress_5, Wander_12, Warda_3, Waterfoul_7,
 Watermelon_14, Watson_14, Wee_3, Wendigo_3, Wentworth_9, Werner_7,
 Whatever_7, Whatsapiecost_3, Wheeler_12, Wheezy_25, Whirlwind_7, Whitney_4,
 Whitty_4, WhoseManz_27, Whouxphf_3, Wigglewiggle_5, Wilbur_12, Wildcat_27,
 Wilder_5, Wildwest_4, Wile_12, Wilkins_12, Wilkos_9, WillSterrel_3,
 WilliamBoone_31, Windest_4, Winky_5, Wintermute_10, Wizard007_12, Wizzo_3,
 Wolfwood_7, Wooldri_16, Wrigley_3, Wyatt2_5, Wyvern_10, XFactor_3, Xena_12,
 Ximenita_9, Y10_10, Y2_10, Yakult_6, YangYin_3, Yang_3, Yara_8, Yarn_4,
 Yasdnii_7, YasnayaPolyana_10, YesChef_3, Yndexa_27, YoSam321_12, Yogi_9,
 Yoncess_9, Yorick_3, Yoshi_4, Yosif_8, YoungHarleezy_4, YoureAdopted_8,
 Yucky_5, Yummy_6, Yuna_9, Yunkel11_9, Yvonnetastic_29, Zabiza_9, Zainub_9,
 Zakai_5, ZamZam_7, Zapner_5, Zareef_7, Zaria_5, Zavala_9, Zeeculate_11,
 Zemlya_8, ZenTime222_4, Zephyr_12, Zerg_3, Zeta1847_3, Zetzy_13, Zeuska_13,
 ZhongYanYuan_4, Ziko_38, Zion_13, Zizzle_3, ZoMa_3, ZoeJ_5, Zombie_3, Zuko_8,
 phiCAM_07, phiHau3_9, phiSASD1_23,

Summary by start number:

Start 52:

- Found in 2 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2091
- Called 100.0% of time when present

- Phage (with cluster) where this start called: KimJongPhill_9 (BR), Zuko_8 (BR),

Start 65:

- Found in 6 of 2396 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Virizion_10 (BN),

Start 69:

- Found in 21 of 2396 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Stargaze_3 (G5),

Start 75:

- Found in 175 of 2396 (7.3%) of genes in pham
- Manual Annotations of this start: 32 of 2091
- Called 18.3% of time when present
- Phage (with cluster) where this start called: Applecrisp_7 (K6), Bern_9 (K1), Boiii_9 (K1), Clipper_9 (K1), Curiosium_10 (K1), DartGoblin_9 (K1), Devera_9 (K1), Durfee_9 (K1), Enkosi_5 (K1), Eponine_10 (K4), Illumine_9 (K1), JF1_10 (K4), Jeckyll_9 (K1), Lebo14_10 (K4), LindNT_9 (K1), MacKat_9 (K1), Mynx_9 (K1), OmniCritical_10 (K4), Padpat_9 (K1), Pokerus_8 (K1), QuincyRose_8 (K1), Reptar3000_10 (K4), Rosmarinus_9 (K1), ShiaSurprise_9 (K1), SirPhilip_8 (K6), TClif_8 (K6), Tigress9_8 (K6), TiniBug_9 (K1), Topper_9 (K1), TribbleTrouble_7 (K3), TruffulaTree_9 (K1), Validus_9 (K1),

Start 76:

- Found in 20 of 2396 (0.8%) of genes in pham
- Manual Annotations of this start: 19 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_40 (S), Blackbeetle_36 (S), Caprice_33 (S), Clarkson_37 (S), Corazon_34 (S), FeliMaine_38 (S), Gattaca_35 (S), GoongGoong_35 (S), Huphlepuuff_38 (S), JoieB_37 (S), Lilbit_35 (S), LittleLaf_36 (S), Marvin_34 (S), MosMoris_34 (S), Poise_36 (S), Pringar_36 (S), Raela_36 (S), RedRaider77_36 (S), Tesla_35 (S), VasuNzinga_36 (S),

Start 81:

- Found in 37 of 2396 (1.5%) of genes in pham
- Manual Annotations of this start: 28 of 2091
- Called 83.8% of time when present
- Phage (with cluster) where this start called: Aminay_7 (K7), Bobquesha_10 (K4), BoostSeason_5 (K2), Chancellor_10 (K4), Cheetobro_10 (K4), DanSyl44_10 (K4), DismalFunk_5 (K2), DismalStressor_5 (K2), Doughnut_5 (K2), Findley_5 (K2), Fionnbharth_10 (K4), Juliette_10 (K4), Kraw_10 (K4), Malthus_10 (K4), Marcoliusprime_5 (K2), Milly_5 (K2), MissDaisy_10 (K4), Mitti_10 (K4), Mufasa_5 (K2), Patt_10 (K4), Qhanda_10 (K4), Ruthiejr_9 (K4), SamScheppers_8 (K4), Slarp_10 (K4), Strobilo_5 (K2), TM4_5 (K2), Taquito_8 (K4), Wintermute_10 (K4), Y10_10 (K4), Y2_10 (K4), ZoeJ_5 (K2),

Start 82:

- Found in 2 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2091

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Boilgate_6 (K8),

Start 83:

- Found in 182 of 2396 (7.6%) of genes in pham
- Manual Annotations of this start: 142 of 2091
- Called 85.2% of time when present
- Phage (with cluster) where this start called: ActinUp_9 (K1), Adephagia_9 (K1), Adonis_9 (K1), Agent47_7 (K5), Ageofdapage_9 (K1), AlishaPH_9 (K1), AlleyCat_7 (K5), Amelie_5 (K1), Amgine_7 (K6), Amohnition_8 (K6), Anaya_10 (K1), Angelica_9 (K1), Anma_9 (K1), Apocalypse_9 (K1), Asayake_9 (K1), Atiba_9 (K1), BEEST_9 (K1), BGlluviae_9 (K1), BaghaKamala_9 (K1), BananenDer11_7 (K5), BarrelRoll_9 (K1), Beezoo_9 (K1), Bella96_9 (K1), Belladonna_9 (K1), Binglebops_5 (K1), Blizzard_9 (K1), Bryler_8 (K6), CREW_9 (K1), Cain_8 (K6), CallaLilly_9 (K1), Capricorn_9 (K1), CaseJules_9 (K1), Chavito_9 (K1), CheetoDust_9 (K1), Chris_8 (K1), Collard_7 (K5), CrimD_9 (K1), Dadosky_7 (K5), Dalmuri_9 (K1), DarthP_8 (K6), Dartin_9 (K1), Deby_9 (K1), Dole_9 (K1), DoubleChamp_7 (K5), DrHayes_9 (K1), Edugator_6 (K5), Efra2_9 (K1), Ekdilam_6 (K6), Ellie_6 (K6), Emerson_9 (K1), Fefferhead_8 (K6), Feyre_7 (K5), Ganymede_9 (K1), Gengar_7 (K5), Geraldini_9 (K1), Guanica15_9 (K1), Guillsminger_7 (K5), Hammy_8 (K6), HedwigODU_9 (K1), Heftyboy_7 (K5), Homura_9 (K1), Hurricane_8 (K3), Hyperbowlee_9 (K1), Inky_9 (K1), InvictusManeo_7 (K5), JAWS_9 (K1), Jarvi_9 (K1), Jayhawk_9 (K1), Joy99_9 (K1), Keshu_8 (K3), KiSi_8 (K1), Kratio_6 (K5), Krueger_8 (K6), Larva_7 (K5), LastHope_9 (K1), LaterM_9 (K1), Lavahound_7 (K6), LeMond_8 (K1), Lea83_8 (K3), Leston_7 (K5), LilDirt_6 (K5), LilPharaoh_5 (K1), Llorens_9 (K1), Lunahalos_9 (K1), MacnCheese_9 (K3), MarkPhew_8 (K1), Marshawn_10 (K6), McMater_9 (K1), Mdavu_5 (K1), MeaningOfLife_9 (K1), Megsy_9 (K1), Miryou_7 (K5), Murucutumbu_9 (K1), Neighly_7 (K3), Nibb_8 (K1), Nikao_5 (K1), Niklas_9 (K1), November_7 (K6), Nutello_5 (K1), OkiRoe_7 (K5), Omnicron_7 (K5), Oscar_8 (K1), Padfoot_9 (K1), Paola_7 (K5), Peanam_9 (K1), Peel_9 (K1), Pharb_8 (K3), PhelpsODU_8 (K6), Phrank_8 (K6), Piatt_9 (K1), Pisa1_8 (K1), Pisa4_8 (K1), Pixie_8 (K3), Prithvi_9 (K1), Psycho_7 (K5), Ramen_9 (K1), Rando14_7 (K5), Rapunzel97_9 (K1), Richo_9 (K1), SamuelLPlaqsom_9 (K1), Scarlett_8 (K1), SgtBeansprout_5 (K1), Shadow1_7 (K6), Shaobing_9 (K1), ShedlockHolmes_8 (K3), Slimphazie_9 (K1), SoSeph_7 (K5), Spock_9 (K1), Stinson_9 (K1), Sulley_9 (K1), Sunflower1121_7 (K6), Syra333_8 (K6), TBond007_8 (K3), Tachez_9 (K1), TaiwanKao_9 (K1), Teejan_5 (K1), Thyatira_7 (K5), Tierra_8 (K6), TingHuaYa_9 (K1), Tiri_9 (K1), Torres_5 (K1), TreyKay_9 (K1), Trice_5 (K1), Twitch_9 (K1), Unicorn_8 (K6), Urkel_9 (K1), Veliki_9 (K1), ViviJ_6 (K5), Waterfoul_7 (K5), Ximenita_9 (K6), YoureAdopted_8 (K1), Yuna_9 (K6), Yunkel11_9 (K1), Zabiza_9 (K1), Zavala_9 (K1),

Start 84:

- Found in 9 of 2396 (0.4%) of genes in pham
- Manual Annotations of this start: 7 of 2091
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BiPauneto_28 (CR4), HubbaBubba_23 (CR4), IDyn_26 (CR4), NadineRae_25 (CR4), Sukkupi_27 (CR4), WhoseManz_27 (CR4), Yndexa_27 (CR4),

Start 85:

- Found in 8 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 7 of 2091
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bernal13_4 (T), Ibrahim_4 (T), Mendokysei_3 (T), Nairb_4 (T), Nette_4 (T), RonRayGun_4 (T), Whitty_4 (T), ZenTime222_4 (T),

Start 93:

- Found in 26 of 2396 (1.1%) of genes in pham
- Manual Annotations of this start: 23 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_15 (M1), Aziz_19 (M2), Bongo_15 (M1), Bricole_15 (M1), Diminimus_16 (M1), Dulcita_16 (M1), Estes_20 (M2), FreakyGoo_16 (M1), GardenSalsa_19 (M2), GenevaB15_19 (M2), Glaske16_16 (M1), IPhane7_15 (M1), Izel_16 (M1), KleverKiS_15 (M1), Kumao_14 (singleton), LilhomieP_14 (M1), MrMagoo_19 (M2), Nanosmite_19 (M3), PegLeg_15 (M1), Reindeer_13 (M1), Rey_19 (M2), RoseMarie_15 (M1), Skinny_16 (M1), SlimJimmy_14 (M1), TpudiCK_16 (M1), TyDawg_15 (M1),

Start 101:

- Found in 26 of 2396 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 3.8% of time when present
- Phage (with cluster) where this start called: YasnayaPolyana_10 (K4),

Start 102:

- Found in 46 of 2396 (1.9%) of genes in pham
- Manual Annotations of this start: 24 of 2091
- Called 58.7% of time when present
- Phage (with cluster) where this start called: Bantam_13 (DL), Daredevil_13 (DL), DatBoi_14 (DL), Dryad_10 (BN), Gaia_3 (X), Gibson_9 (BN), Greenbelt_10 (BN), Kudrefre_13 (DU1), LilJank_13 (DU2), Lizz_9 (BN), Mollymur_14 (DL), Nebkiss_3 (X), Neville_13 (DU2), Octobien14_14 (DU1), PHTowN_9 (BN), Rabbitrun_15 (DU2), Rooney_9 (BN), SassyC_11 (BN), Sephiroth_14 (DU1), ShakeNBake_9 (BN), SpeedDemon_140 (DL), Syleon_14 (DU1), Towmatter_12 (DL), Trax_13 (DU2), Wentworth_9 (BN), Wilkos_9 (BN), Yara_8 (BN),

Start 103:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_3 (G5),

Start 104:

- Found in 21 of 2396 (0.9%) of genes in pham
- Manual Annotations of this start: 19 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_30 (CQ1), Aphelion_31 (CQ1), Bachita_33 (CQ1), BrutonGaster_19 (CQ2), Cardigan_31 (DD), ClubL_31 (CQ1), Cucurbita_33 (CQ1), Culver_31 (CQ1), Dusty_30 (CQ1), Engineer_32 (CQ1), Geeche_30 (CQ1), JonJames_31 (DD), Lozinak_31 (CQ1), Miskis_29 (CQ1), Norvs_32 (CQ1), OneUp_25 (CQ2), PhinkBoden_31 (CQ1), Smoothie_32 (CQ1), Toniann_31 (CQ1), WilliamBoone_31 (CQ1), Yvonnetastic_29 (DD),

Start 105:

- Found in 94 of 2396 (3.9%) of genes in pham

- Manual Annotations of this start: 79 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_4 (AY), AizenPogi_3 (G1), Angel_3 (G1), Annihilator_3 (G1), Aroostook_3 (G1), Avocado_3 (G2), Avrafan_3 (G1), AzulaCat_3 (G1), BPs_3 (G1), BQuat_3 (G1), Barkley26_3 (G1), BruceB_3 (G1), CLED96_3 (G1), Cambiare_4 (G2), Camri_3 (G1), CassieYates_3 (G1), Cedasite_3 (G1), Chance64_3 (G1), Cherrybomb426_3 (G1), Cloudyecho_3 (G3), Coleslaw_3 (G1), Crespo_3 (G1), DMoney_3 (G1), DNAllI_003 (G1), Darionha_3 (G1), DingDing_3 (G1), ECartman_3 (G1), FlagStaff_3 (G2), ForeverHowLong_3 (G1), Frosty24_3 (G1), Gideon_3 (G1), GodSpeed_3 (G2), GoldenAsh_3 (G1), Gomashi_3 (G1), Grizzly_3 (G1), Halo_3 (G1), Hope_3 (G1), Hotshotbaby7_3 (G1), Jane_3 (G1), Jeilious_3 (G), Jolene_3 (G1), Jolie2_3 (G4), Jonghyun_3 (G1), JorRay_3 (G1), Kareem_3 (G1), Kasen3_3 (G1), Lemuria_3 (G4), Liefie_3 (G1), LouisV14_3 (G1), MOOREtheMARYer_3 (G3), MZKinsey_3 (G1), Maliketh_3 (G1), Marmie_3 (G1), Mercurio_4 (G4), Merpity_4 (FQ1), Mowgli_3 (G1), MrSmeë_3 (FQ1), Neoh_3 (G), OctaviousRex_3 (G1), Olga_3 (G1), Pace1224_3 (G2), Paito_3 (G1), Peeb_3 (G1), Periodt_3 (G1), Phish_3 (G1), Phloodle_3 (G1), Phreak_3 (G1), PinkYoshi_3 (G1), Pinnie_4 (G3), Plagueis_3 (G1), Primanti_3 (G1), Rabbs_3 (G1), Raqqa_4 (AY), Rattrick_3 (G1), Raya_3 (FQ2), Remy19_3 (G1), Renaissance_3 (G1), Richarlison_3 (G1), Ruriko_3 (G1), Schiebel_3 (G1), ShaboiShabazz_3 (G1), Sizemore_3 (G1), Skitty_3 (FQ1), Skyerus_3 (FQ2), Sneeze_3 (G1), Stellammi_3 (UNK), Sweets_3 (G1), Taheera_3 (G1), Terror_3 (G1), TinaBug_3 (G1), TomBrady_3 (G1), Wendigo_3 (G1), ZoMa_3 (G1), Zombie_3 (G1),

Start 106:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_3 (F5),

Start 107:

- Found in 5 of 2396 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B22_4 (BW), Doucette_4 (BW), E6_4 (BW), G4_4 (BW), GAL1_5 (singleton),

Start 108:

- Found in 19 of 2396 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Spartoi_3 (singleton),

Start 109:

- Found in 239 of 2396 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.4% of time when present
- Phage (with cluster) where this start called: PhaoMing_2 (UNK),

Start 110:

- Found in 18 of 2396 (0.8%) of genes in pham
- Manual Annotations of this start: 11 of 2091
- Called 72.2% of time when present

- Phage (with cluster) where this start called: Apricot_3 (DN3), BearBQ_3 (DN), Birdsong_3 (DN), Crater_3 (DN3), Kuwabara_3 (DN4), LilSpotty_3 (singleton), LunaStella_3 (F4), MortyNRick_3 (DN), Renaud18_3 (F4), TChen_3 (F4), TPA4_3 (singleton), ThetaBob_3 (F4), Toron_3 (F6),

Start 111:

- Found in 4 of 2396 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Isperia_8 (GJ),

Start 112:

- Found in 2 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_3 (AB),

Start 115:

- Found in 3 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2091
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Ibantik_69 (singleton), NoShow_3 (AB),

Start 117:

- Found in 16 of 2396 (0.7%) of genes in pham
- Manual Annotations of this start: 8 of 2091
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Apiary_29 (CR6), Braxoaddie_29 (CR6), C3PO_13 (EN), CoffeeBean_29 (CR6), Darwin_16 (EN), Gagieri_29 (CR6), Maselop_29 (CR6), Polyuyuki_29 (CR6),

Start 118:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_6 (singleton),

Start 120:

- Found in 6 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ennea_31 (CR3), Float294_27 (CR3), Lollipop1437_30 (CR3), Patio_28 (CR3), RedRaider_32 (CR3), Skysand_27 (CR3),

Start 121:

- Found in 55 of 2396 (2.3%) of genes in pham
- Manual Annotations of this start: 32 of 2091
- Called 70.9% of time when present
- Phage (with cluster) where this start called: Aegeus_5 (L5), Arti_25 (CR2), Baudelaire_5 (L5), Bonum_28 (CR2), Buggaboo_26 (CR2), ChewyVIII_39 (singleton), Commandaria_27 (CR2), Dalilpop_30 (CR1), Emianna_25 (CR2), Flapper_29 (CR1), Foxboro_26 (CR2), Fury_34 (CR5), GRU1_15 (CR1), GTE5_16 (CR1), GTE8_14 (CR2), Gallia_21 (singleton), GrootJr_27 (CR2), HomeFry_31 (CR5), Jifall16_24

(CR2), Kabluna_28 (CR2), KidneyBean_25 (CR2), Kurt_25 (CR2), MacGully_33 (CR7), Marietta_27 (CR4), MerCougar_26 (CR2), NatB6_25 (CR2), NosilaM_28 (CR2), NovumRegina_25 (CR2), Outis_26 (CR2), P1201_28 (singleton), Pemberton_28 (CR4), Phomeo_24 (CR2), Pleakley_34 (CR5), Scuba_34 (CR5), StarStruck_26 (CR2), SuperSulley_26 (CR2), Tracker_25 (CR2), Turuncu_29 (CR1), Wheezy_25 (CR2),

Start 123:

- Found in 72 of 2396 (3.0%) of genes in pham
- Manual Annotations of this start: 47 of 2091
- Called 83.3% of time when present
- Phage (with cluster) where this start called: 8UZL_6 (AB), Agamoto_7 (FR), AnnabelLee_5 (FR), Asapag_4 (DN1), Avani_4 (F2), BENTherdunthat_4 (DN1), BaileyBlu_3 (FP), Blarby_5 (F), BotCity_4 (DN), Budski_4 (DN), CallinAllBarbz_3 (FP), CardboardBox_5 (FR), ChamoyPickle_5 (FR), Che9d_4 (F2), CheeseTouch_4 (DN1), ChipsNGuac_5 (FR), Demsculpinboyz_4 (F2), Ecliptus_4 (DN), Elfy_3 (FP), Ezurina_4 (FR), FF47_06 (AB), Frickyeah_4 (DN1), Gerri43_5 (FR), Getalong_4 (DN1), GrimEater_3 (FP), Holliday_4 (DN1), Horus_4 (DN1), Jabbawokkie_5 (F2), Jankie_3 (FP), Kamaru_4 (DN1), Kenna_4 (DN1), Leroy_4 (DN1), LisoBros_3 (FP), LitninMcQueen_4 (DN1), LongHai_7 (AB), Lutum_4 (DN1), Maco6_4 (AB), Makima_6 (FR), Malisha_4 (DN), Mireles_5 (FR), Muddy_6 (AB), Neuville_5 (FR), ODay_4 (DN), Ogopogo_5 (F1), Periwinkle_4 (DN1), Phabuloso_4 (DN1), Phistory_4 (DN1), Pitbull_3 (FQ1), Roberts_5 (FR), Salvus_7 (AB), ShawBrad_4 (DN1), SilverChicken_4 (F2), Soul22_4 (F2), Spooky_4 (DN2), Squiddly_5 (DN2), Studio_5 (FR), TripleC_8 (FR), Whitney_4 (DN1), Yoshi_4 (F2), Zapner_5 (F2),

Start 124:

- Found in 349 of 2396 (14.6%) of genes in pham
- Manual Annotations of this start: 299 of 2091
- Called 91.7% of time when present
- Phage (with cluster) where this start called: ACFishhook_14 (A3), AbbysRanger_12 (A4), Abdiel_12 (A4), Achebe_12 (A4), Aglet_14 (A3), AgronaGT15_14 (A3), Alatin_9 (CA), Albee_12 (A4), Alberto7_13 (A4), Alpacadros_8 (CA), AngryOrchard_8 (CA), Annyong_12 (A4), Anubis_16 (A3), AppleCloud_7 (CA), Arturo_11 (A4), AugsMagnumOpus_16 (A3), AvatarAhPeg_12 (A4), Avle17_12 (A4), Baby16_12 (A4), BabyRay_12 (A3), Backyardigan_12 (A4), Badger_12 (A4), BangNhom_11 (A4), Bartimeaus_12 (A4), Beauxregard13_14 (A3), Belenaria_9 (CA), BellusTerra_12 (A4), Bigflo_14 (A3), Blackmoor_12 (A4), BobbyDazzler_9 (CA), Bombshell_12 (A4), Bonanza_9 (CA), Bradshaw_9 (CA), BreSam8_14 (A3), Broseidon_12 (A4), Bruiser_12 (A4), Bryce_9 (CA), BubbleTrouble_12 (A4), Bumblebee11_12 (A4), Burger_11 (A4), BuzzBuzz_13 (A3), Bxz2_14 (A3), Caelakin_12 (A4), Calvinny_15 (A3), Camperdownii_11 (A4), Caviar_13 (A3), CentreCat_12 (A4), Cerulean_12 (A4), ChampagnePapi_12 (A4), Chaph_12 (A4), Chupacabra_12 (A10), Cici_12 (A4), Cindaradix_11 (A4), Cintron_12 (A4), Citius_12 (A4), Clarenza_12 (A4), ClownCar_15 (A3), Cocoaberry_12 (A4), Colbster_14 (A3), Commander_12 (A4), Connomayer_12 (A4), CosmicSans_9 (CA), Croquant_15 (A3), Cullens_14 (A3), DaHudson_14 (A3), Daishi_13 (A3), Datway_12 (A4), Deano_12 (A4), Dhanush_12 (A4), Dieselweasel_14 (A3), Dinger_9 (CA), DirtyDunning_12 (A4), DontArgue_11 (A10), Drake94_11 (A10), DroogsArmy_13 (A7), Druantia_12 (A4), DustyMartin_15 (A10), Eagle_11 (A4), Eaglepride_13 (A10), Eapen_12 (A4), Edison31_12 (A10), EpicPhail_14 (A3), Erik_9 (CA), Eris_12 (A4), Eros_12 (A4), Espica_9 (CA), EtoileNova_13 (A3), Eurydice_12 (A4), Farber_14 (A3), Fernando_14 (A3), Florean_12 (A4), Flux_12 (A4), FlyCatcher_16 (A7), Funston_12 (A4), Gadost_12

(A4), Gemma_14 (A3), GingkoMaracino_14 (A3), Gollum_9 (CA), Goose_12 (A10), Grif_14 (A3), Groupthink_15 (A3), Grub_14 (A3), Grum1_14 (A3), GtownJaz_14 (A3), Gwennie_13 (A3), HINdeR_12 (A7), HamSlice_11 (A4), Happiness_12 (A4), Harlequin_9 (CA), HashRod_15 (A3), HaveUMetTed_15 (A3), Heliosoles_14 (A3), Hercules11_14 (A3), Hiro_9 (CA), Holli_12 (A4), Hookmount_13 (A3), Houdini22_12 (A4), Huxley_12 (A4), ICleared_12 (A4), Iceman_12 (A4), Iracema64_12 (A4), JHC117_14 (A3), Jaykayelowell_12 (A4), JenCasNa_14 (A3), JeppNRM_15 (A3), Jester_9 (CA), JetBlade_12 (A4), Jobu08_14 (A3), JoongJeon_12 (A4), KADY_15 (A3), KFPoly_12 (A4), Kalb97_15 (A3), Kalnoky_15 (A3), Kampy_12 (A4), Katalie136_12 (A4), KekoraPapaka_11 (A4), Kimona_9 (A19), Kingmustik0402_12 (A4), KittenMittens_11 (A10), Koan_12 (A4), Koreni_11 (A4), Kratark_12 (A4), Kremtemulon_12 (A4), Krishelle_9 (CA), Kristoff_13 (A10), Kyee_12 (A4), LBerry_14 (A3), LHTSCC_12 (A4), Lambert1_13 (A3), LappelDuVide_12 (A4), LarryKay_14 (A3), Lemur_12 (A4), LeoAvram_12 (A4), Lilith_14 (A3), Lillie_9 (CA), LittleB_12 (A4), LittleGuy_12 (A4), LochMonster_12 (A4), Lorenzo_12 (A4), Louie6_14 (A3), Iowa_14 (A3), LugYA_16 (A3), Lunsford_13 (A4), MadMarie_14 (A3), Mainiac_14 (A3), Malinsilva_16 (A3), Manu_15 (A3), MarQuardt_14 (A3), Margo_13 (A3), Marie_14 (A3), Marius_15 (A3), Maverick_12 (A4), Maxo_12 (A4), Mayonnaise_12 (A4), Mazhar510_12 (A4), Medusa_12 (A4), MeeZee_12 (A4), Melvin_12 (A4), Methuselah_14 (A3), Microwolf_14 (A3), Millski_12 (A4), Miramae_12 (A4), Misomonster_16 (A3), MoneyMay_14 (A3), Montavir_13 (A3), Morpher26_12 (A4), Morrow_12 (A4), MuchMore_16 (A3), Mundrea_12 (A4), Naiad_9 (CA), Nancinator_9 (CA), Natosaleda_9 (CA), Nebs_12 (A4), Nemo27_12 (A4), Noella_13 (A3), Noelle_12 (A4), Norbert_12 (A3), NorthStar_12 (A4), NotAPhaseMom_12 (A4), Nyxis_12 (A4), OKCentral2016_12 (A10), OKaNui_12 (A4), Obama12_12 (A4), Ohfah_12 (A4), OlanP_14 (A3), Ollie_14 (A3), P28Green_14 (A3), PGHhamlin_16 (A3), PP_22 (A7), Palestino_12 (A4), Panamaxus_13 (A3), Partridge_9 (CA), Pawn_14 (A3), PeaceMeal1_11 (A10), Peaches_12 (A4), Pembroke_14 (A3), Penny1_14 (A3), Perplexer_12 (A4), PeterPeter_12 (A4), PetiteSangsue_12 (A4), Phacado_12 (A4), PhailMary_8 (CA), Phelipe_12 (A4), Phighter1804_12 (A4), PhishRPhriends_13 (A3), Phoebe_14 (A3), Phontbonne_12 (A4), Phoxy_14 (A3), Phrankenstien_9 (CA), Phranny_15 (A3), Pipcraft_12 (A4), Pocahontas_13 (A3), Polymorphads_12 (A4), Ponzi_44 (singleton), Poompha_11 (A10), Popcicle_13 (A3), PotatoSplit_15 (A3), Pumbaa_12 (A4), PurpleHaze_14 (A3), QuinnKiro_12 (A3), RER2_2 (CA), RGL3_2 (CA), Rasputin_9 (CA), Reba_15 (A3), Rebeuca_13 (A10), Relief_12 (A4), ResDef_13 (A3), RexFury_9 (CA), Rhodalysa_9 (CA), RhynO_13 (A10), RockieBear_11 (A4), Romney_12 (A4), Roosevelt_12 (A4), Rosa24_11 (A4), Rowdy_15 (A10), Ruin_12 (A4), Rummer_14 (A3), RunningOnE_65 (UNK), Sabertooth_12 (A4), Sabia_14 (A3), Scamp_12 (A4), SenorClean_12 (A4), Severus_11 (A10), Shaka_12 (A4), Shapes_15 (A10), Sheen_14 (A7), SheldonCooper_12 (A4), Shuman_9 (CA), Shygu2_12 (A4), Skipitt_12 (A4), Snickers_14 (A3), SoYo_14 (A3), SoilDragon_14 (A3), Soshari_16 (A3), Sparxx_12 (A4), Spike509_14 (A3), Spino_12 (A4), StCroix_9 (CA), Stagni_14 (A3), Stasia_13 (A4), SteMason_12 (A4), Stink_12 (A4), Sultana_12 (A4), Swann_9 (CA), TWAMP_9 (CA), Takoda_9 (CA), Taquarus_12 (A4), Taurus_14 (A3), Texage_12 (A3), Thanksgivukkah_12 (A4), Tiffany_14 (A3), Timshel_13 (A7), TinaFeyge_12 (A4), TinyPebbles_14 (A3), Tinybot_11 (A4), TiroTheta9_12 (A4), Todacoro_13 (A3), Topanga_12 (A10), Toro_15 (A7), Trike_10 (A10), TroyPia_12 (A4), Twister_12 (A10), TygerBlood_12 (A4), UhSalsa_9 (CA), Ulysses_11 (A4), Veracruz_12 (A3), Vix_14 (A3), WalterMcMickey_12 (A10), Wander_12 (A4), Watson_14 (A3), Wilbur_12 (A4), Wile_12 (A4), Wizard007_12 (A4), Wooldri_16 (A3), Xena_12 (A4), YangYin_3 (G5), YoSam321_12 (A4), Yogi_9 (CA), Yoncess_9 (CA), Zetzy_13 (A3),

Start 126:

- Found in 31 of 2396 (1.3%) of genes in pham
- Manual Annotations of this start: 23 of 2091
- Called 77.4% of time when present
- Phage (with cluster) where this start called: Angelique_3 (CY1), Audell_8 (FR), BeeGee_3 (CY5), Bradissa_3 (CY1), BritBrat_3 (CY2), Cashline_3 (CY6), Confidence_3 (CY1), EMSquaredA_3 (CY1), EnalisNailo_3 (CY1), Floral_3 (CY1), InLimbo_3 (DH), Jablanski_3 (CY3), LastNadiia_8 (FR), Lilas_3 (CY1), LonelyBoi_3 (CY7), Lucky10_3 (DH), Marteena_3 (CY1), Morkie_3 (DH), PhorbesPhlower_3 (DH), Pollux_3 (CY1), Posh_3 (CY4), Pytheas_3 (CY3), TMaxx_5 (FR), Wrigley_3 (CY4),

Start 127:

- Found in 410 of 2396 (17.1%) of genes in pham
- Manual Annotations of this start: 330 of 2091
- Called 95.1% of time when present
- Phage (with cluster) where this start called: 20ES_13 (A2), 40AC_16 (A17), AN3_13 (A2), AN9_16 (A2), ANI8_16 (A2), AbbyPaige_15 (A2), Acolyte_13 (A2), Adzzy_14 (A2), Agape74_15 (A2), AgentM_10 (A5), Airmid_10 (A5), Aliter_14 (A9), Alma_14 (A9), Anaysia_15 (A15), Aneem_13 (A11), AnnaL29_16 (A2), Anon_13 (A15), Anselm_13 (A2), Anthony_12 (A20), Aragog_10 (A5), ArcherNM_15 (A2), Archetta_10 (A5), Arissanae_12 (A9), Artemis2UCLA_16 (A6), Astro_10 (A8), Ayanochan_15 (A9), B1_10 (A3), BABullseye_16 (A6), BabyBack_15 (A2), BabyJohn_11 (A3), Bachome_13 (A11), Bactobuster_14 (A2), Baehexic_14 (A2), Battleship_16 (A15), Bauer_5 (FN), Beemo_14 (A9), BellaJr_5 (FN), Belliris_11 (A9), Benedict_10 (A5), BengiVuitton_14 (A2), BennyP_16 (A6), Benvolio_13 (A2), BiancaTri92_15 (A2), BillKnuckles_13 (A1), BlackSpider_3 (FN), BlessJoy_16 (A6), Blinn1_16 (A6), Blue7_16 (A6), BlueBird_13 (A3), Bluefalcon_9 (A5), BobSwaget_16 (A2), BogosyJay_14 (A9), Bonamassa_10 (A5), Boohoo_15 (A15), Bowtie_13 (A11), Bradman_12 (A2), Bud_13 (A11), Bugatti_12 (A3), Bugsy_15 (A2), Bxb1_11 (A1), C3_11 (A2), CRB1_13 (A2), Caitlin_10 (A8), Candra_16 (A6), Caraxes_12 (A2), Cassini_3 (FN), Catalina_14 (A9), Celestialunch_13 (A9), Centaur_15 (A2), Chadwick_11 (A5), Changeling_16 (A2), Chargerpower_13 (A22), Charm_13 (A9), Chartreuse_16 (A6), Che12_14 (A2), ChipMunk_15 (A2), Chiqui_11 (A3), Clammy_12 (A3), CloudWang3_16 (A6), CogOmlette_11 (A9), Colin_17 (A2), Conquerage_14 (A9), Conspiracy_10 (A5), Coog_10 (A5), Cookiedough_16 (A6), Crucio_13 (A2), Cuco_10 (A5), D29_14 (A2), D32_16 (A2), DBQu4n_16 (A2), DaVinci_16 (A6), Dalmatian_13 (A2), Danforth_9 (A8), Darrell_15 (A9), DarthPhader_14 (A12), DeerParkTS_14 (A2), DekHockey33_15 (A15), Deloris_14 (A2), Dignity_15 (A2), Discoknowium_10 (A5), Dixon_10 (A8), Dorothea_16 (A6), Drake55_15 (A2), DreamTeam1_13 (A9), DropBear_12 (A3), Dublin_9 (A5), DudeLittle_13 (A2), Duplo_16 (A2), EZMoney23_17 (A2), EagleEye_15 (A16), Ebony_13 (A11), Echid_13 (A2), EdogawaKiddo_12 (A9), Eidsmoe_14 (A9), ElTiger69_10 (A5), Elephantoon_14 (A9), Elle_13 (A15), EmyBug_14 (A9), Epsocamisio_15 (A15), Equemioh13_15 (A2), EricB_16 (A6), Et2Brutus_12 (A11), EvilGenius_15 (A2), Expelliarmus_9 (A8), ExplosioNervosa_14 (A9), Fameo_13 (A2), FatCactus_11 (A20), Fayely_14 (A9), Fibonacci_13 (A11), FiringLine_13 (A2), First_0013 (A2), Flare16_13 (A2), Flaverint_13 (A11), Florence1_10 (A5), Florence4_11 (A5), ForGetIt_10 (A5), ForesterFrank_14 (A2), Fred313_12 (A3), Gail_12 (A14), Garak_17 (A6), GaugeLDP_15 (A2), George_9 (A5), Georgie2_14 (A2), Ghouboy_10 (A5), Gilberta_13 (A11), Giroux_13 (A3), Gladiator_16 (A6), Gratitude_14 (A2), GreedyLawyer_16 (A6), Groundhog_9 (A8), Gruunaga_16 (A6), Hammer_16 (A6), Hanray_13 (A9), HarryHoudini_15 (A2), Heathen_12 (A3), Heffalump_15 (A2), HelDan_12 (A3), Helmet_16 (A6), Herbertwm_11 (A2),

Hexamo_16 (A6), HippoHollow_14 (A2), Horex_13 (A9), Hoot_16 (A6), HortumSL17_14 (A9), HuhtaEnerson15_10 (A5), Hutc2_13 (A11), Idleandcovert_12 (A3), Indra_16 (A6), Insomnia_13 (A11), IronMan_15 (A2), Isca_12 (A3), Isiphiwo_16 (A6), Iwokeuplied_13 (A2), JF2_12 (A3), JF4_12 (A3), JSwag_15 (A15), Jaan_16 (A2), Jabiru_10 (A5), Jabith_13 (A11), Jeeves_12 (A14), Jeffabunny_16 (A6), Jerm_15 (A2), JewelBug_16 (A6), Jiawan_13 (A9), Jordennis_16 (A6), Joselito_13 (A11), JoshKayV_15 (A2), Journey13_11 (A2), Jovo_10 (A5), Jsquared_12 (A2), Kachowdy_12 (A3), Kalpine_16 (A2), KatherineG_15 (A15), Kazan_16 (A6), Kerberos_16 (A2), Keziacharles14_12 (A9), KingCyrus_15 (A2), Kinmap_12 (A21), Kipper29_16 (A6), Klodlith_13 (A9), Koduck_14 (A2), Koko_16 (A6), Kugel_13 (A1), Kykar_10 (A1), L5_14 (A2), LadyBird_13 (A2), Landor_14 (A2), Larenn_14 (A2), LastResort_15 (A15), Leogania_15 (A2), Lev2_10 (A5), Leviathan_15 (A2), LilTurb_15 (A2), Lilbunny_16 (A6), Lilleskat_12 (A9), LionsBait_14 (A2), LittleCherry_10 (A5), LogiBear_16 (A15), Lokk_16 (A2), LoneWolf_14 (A9), Looper_16 (A15), Loser_16 (A2), Luchador_13 (A14), Lucivia_13 (A11), Lucyedi_14 (A16), MA5_12 (A3), MK4_12 (A3), MaCh_13 (A11), Mabel_13 (A11), MajorMajor_12 (A2), Malec_14 (A2), Maminiaina_14 (A9), Marchesa_12 (A3), MarysWell_9 (A5), McFly_16 (A6), MegTheThird_12 (A9), Micasa_10 (A5), MiculUcigas_13 (A2), Midas2_10 (A5), Miko_16 (A2), Milcery_10 (A5), MinecraftSteve_16 (A15), Minispark_11 (A9), MissWhite_13 (A2), Mulciber_13 (A11), Munch_13 (A11), MyraDee_10 (A18), Myxus_14 (A9), NaSiaTalie_13 (A2), Naca_10 (A5), Naji_16 (A2), NearlyHeadless_10 (A8), Nebulosus_15 (A15), Nedarya_14 (A15), Neeharika16_16 (A6), Newrala_16 (A6), NicoleTera_17 (A2), NothingSpecial_15 (A2), Odin_12 (A2), Onglai_13 (A9), Oofda_15 (A15), Orange_13 (A11), PackMan_14 (A9), PainterBoy_14 (A16), Petersenfast_12 (A11), PetterN_11 (A5), Ph8s_14 (A2), Phaded_16 (A2), Phaeder_14 (A9), Phantastic_12 (A3), Pharaoh_13 (A12), Phillis_10 (A8), Phlei_9 (A13), Phlorence_10 (A5), Phonnegut_14 (A9), PickleBack_10 (A5), Pioneer_14 (A9), Piro94_14 (A2), Pistachio_13 (A3), Pmask_16 (A6), Polyphemos_16 (A6), Pomar16_16 (A2), Power_13 (A2), Priamo_16 (A6), Prinashe11_11 (A5), Priya_14 (A9), Pukovnik_15 (A2), Puppy_13 (A3), Qobbit_14 (A9), QueenB2_13 (A2), QueenBeesly_13 (A2), Quokka_11 (A2), Rachaly_16 (A2), Rahalelujah_12 (A9), Ravana_15 (A15), ReMo_15 (A15), RedRock_16 (A2), Refuge_16 (A12), Remus_15 (A15), Retro23_13 (A2), Rifter_16 (A6), Roary_10 (A8), Rockstar_12 (A3), Roimos_12 (A3), Roksolana_16 (A6), Rosalind_15 (A15), RyeScarlet_15 (A9), Sachima_12 (A9), Saintus_10 (A8), Salz_13 (A11), Saskia_12 (A11), SaturnRing_12 (A3), Scherzo_14 (A9), Scorpia_11 (A5), Scout_12 (A3), SemperFi_15 (A2), Serenity_12 (A2), Sham4_13 (A11), ShayRa_16 (A15), SheaKeira_13 (A9), Sknot_13 (A2), Smeadley_10 (A8), Smeagan_15 (A2), SmellyB_16 (A6), SnapTap_13 (A2), Snape_13 (A11), SororFago_12 (A14), Soups_15 (A15), Spouty_14 (A9), StarStuff_16 (A2), Steamy_14 (A12), Stephig9_10 (A8), Strosahl_15 (A15), Sunhee_12 (A14), SuperAwesome_16 (A6), SuperCallie99_16 (A6), Superchunk_12 (A2), SweetiePie_13 (A2), SwirlSquare_14 (A2), Swirley_10 (A5), Switzerland_15 (A15), SydNat_10 (A5), TNguyen7_12 (A3), Target_14 (A1), TarsusIV_13 (A2), Tarynearal_9 (A5), Temprado_16 (A6), Terrific_17 (A2), Theia_9 (A5), Tiger_10 (A5), Timothy_13 (A11), TinyTimmy_13 (A11), TipsytheTRex_12 (A2), Toaka_12 (A9), Tomathan_16 (A2), ToneTone_15 (A6), Travvers_16 (A2), Tristan_14 (A2), Trixie_16 (A2), Trooper_13 (A2), Tubs_14 (A9), Tucker_16 (A6), Turbido_15 (A2), Twigg_10 (A5), Ugenie5_11 (A9), UnionJack_10 (A5), Updawg_15 (A2), VA6_13 (A2), VC3_16 (A2), Vanisoa_12 (A9), VohminGhazi_16 (A6), Waits_15 (A15), Warrior24_15 (A15), WeiHuaDA_19 (A2), Whabigail7_15 (A2), Whitspit_13 (A1), WideWale_15 (A2), Wiks_16 (A6), Wolpertinger_12 (A11), WorldCup_11 (A9), WunderPhul_16 (A6), XianYue_13 (A2), Yecey3_13 (A9), Yokurt_16 (A6), Zaka_16 (A6), Zarafa_12 (A3), Zimmer_15 (A12),

Zolita_9 (A5), Zucker_4 (FN), Zulu_16 (A6),

Start 128:

- Found in 3 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2091
- Called 66.7% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_3 (AJ), P3MA_4 (singleton),

Start 129:

- Found in 22 of 2396 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 2091
- Called 27.3% of time when present
- Phage (with cluster) where this start called: Cruella_13 (EN), Kimchi1738_13 (EN), PeteyPab_13 (EN), PotatoChip_13 (EN), Stickynote_15 (EN), Zion_13 (EN),

Start 131:

- Found in 89 of 2396 (3.7%) of genes in pham
- Manual Annotations of this start: 70 of 2091
- Called 96.6% of time when present
- Phage (with cluster) where this start called: Acquire49_5 (L1), Appletree2_5 (L1), ArV2_03 (singleton), Archie_5 (L2), AvadaKedavra_5 (L1), Baoshan_4 (L2), Bazzle_5 (L2), Bellis_6 (L3), BigCheese_5 (L2), BobsGarage_5 (L2), BourbonZero_5 (L3), Breezona_5 (L2), Calm_5 (L1), CicholasNage_5 (L1), Claus_5 (L2), Clautastrophe_6 (L3), Crossroads_5 (L2), DHan_5 (L2), DanBing_4 (L2), DirkDirk_5 (L1), DrSeegs_5 (L2), DuncansLeg_6 (L3), Ellson_6 (L3), Enceladus_5 (L1), Faith1_5 (L2), Finemlucis_5 (L2), Finnry_6 (L3), Gabriela_5 (L2), Gardann_5 (L2), GuuelaD_5 (L2), Hafay_5 (L2), Halena_5 (L1), Itos_5 (L2), Jobypre_6 (L3), JoeDirt_5 (L1), Jubie_6 (L3), Kahlid_5 (L2), Kingsolomon_6 (L3), KirDoubleO7_4 (L3), Krypton555_6 (L3), LeBron_5 (L1), Lewan_5 (L2), LiDestine_5 (L2), LiyuLake_6 (L3), Loadrie_5 (L2), Lolly9_6 (L3), Lumos_6 (L3), Lynnae_5 (L2), MAckerman_5 (L1), Miley16_5 (L2), MiniLon_6 (L3), MiniMac_6 (L3), MkaliMitinis3_5 (L2), Moostard_6 (L3), MsGreen_6 (L3), Netyap_5 (L2), Nicholas_6 (L3), Nicholasp3_5 (L2), OhShagHennessy_5 (L1), OverPar_5 (L2), Poochiewood_5 (L1), Red305_6 (L3), Rose5_5 (L1), Rossetti_5 (L2), Rumpelstiltskin_5 (L2), Samty_6 (L3), Sarshaun_5 (L2), Silverleaf_5 (L1), Snenia_6 (L3), SoJulia_5 (L2), Soap141_5 (L2), Tourach_5 (L2), TriFive_6 (L3), Tyson_5 (L1), UPIE_5 (L1), Underpass_5 (L2), Vetrix_5 (L2), Wamburggrxpress_5 (L1), Whirlwind_7 (L3), Wigglewiggle_5 (L2), Wilder_5 (L2), Winky_5 (L2), Wyatt2_5 (L1), Zakai_5 (L2), Zaria_5 (L1), ZhongYanYuan_4 (L2),

Start 132:

- Found in 18 of 2396 (0.8%) of genes in pham
- Manual Annotations of this start: 11 of 2091
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Azrael100_26 (V), BrainDrainer_5 (L4), Bromden_5 (L4), Chaser_5 (L4), ChutneyChips_5 (L4), Cosmo_27 (V), Douge_5 (L4), Douzhi_5 (L4), DyoEdafos_6 (L4), EniyanLRS_24 (V), FarmResident_5 (L4), Kropertea_5 (L4), MaryV_27 (V), PYPDinur_5 (L4), Quby_5 (L4), Sheng711_5 (L4), Wildcat_27 (V),

Start 134:

- Found in 8 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2091

- Called 12.5% of time when present
- Phage (with cluster) where this start called: Nergal_6 (AG),

Start 135:

- Found in 22 of 2396 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Tailonex_10 (singleton),

Start 136:

- Found in 8 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 2091
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bimmel_49 (BT), Spooks_50 (BT), Success_51 (BT), WST1_3 (AJ),

Start 137:

- Found in 7 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 14.3% of time when present
- Phage (with cluster) where this start called: MalagasyRose_8 (AG),

Start 140:

- Found in 91 of 2396 (3.8%) of genes in pham
- Manual Annotations of this start: 4 of 2091
- Called 4.4% of time when present
- Phage (with cluster) where this start called: Auxilium_4 (AY), Kromp_3 (singleton), MUWow_3 (AY), RadFad_4 (AY),

Start 142:

- Found in 28 of 2396 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Hum25_3 (FQ1),

Start 143:

- Found in 100 of 2396 (4.2%) of genes in pham
- Manual Annotations of this start: 5 of 2091
- Called 7.0% of time when present
- Phage (with cluster) where this start called: Arianna_4 (EO), Colleen_4 (EO), DelvinSonDorr_15 (A6), GMA4_3 (singleton), Juicebox_4 (singleton), Poushou_4 (EO), TouchMeNot_4 (EO),

Start 144:

- Found in 69 of 2396 (2.9%) of genes in pham
- Manual Annotations of this start: 15 of 2091
- Called 21.7% of time when present
- Phage (with cluster) where this start called: Caliburn_7 (BD1), Cappuccino_3 (AZ5), Donkey_3 (AZ5), Farewell_3 (AF), Gambol_3 (AZ5), Kalimba_3 (AZ5), Lorelei_7 (BD1), Maneeekul_7 (BD1), Oliynyk_8 (BD1), Reedo_3 (AZ1), Sabourin_3 (AZ5), Sneak_4 (AZ3), Sooty_3 (AZ5), Sparky_3 (AF), Tweety19_4 (AZ3),

Start 145:

- Found in 49 of 2396 (2.0%) of genes in pham
- Manual Annotations of this start: 30 of 2091
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Ashes_3 (AZ5), Beaupre_3 (AZ5), Bridgette_3 (FA), Cassia_3 (AZ1), ChuckDuck_3 (FA), Constance_3 (FA), Eileen_3 (FA), FosterFrank_3 (FA), Giorgio_3 (AZ5), GlobiWarming_3 (FA), Gumpizza_3 (AZ5), Halsey_3 (AZ5), Henrique_3 (FA), HotPotato_3 (FA), IttyBittyPiggy_3 (AZ1), Judy_3 (FA), JuneStar_3 (AZ1), Karkharias_3 (FA), KayMoney_3 (FA), LilyBell_3 (FA), LittleRon_3 (FA), Moss_3 (AZ5), Mysterium_3 (AZ5), NidoQ_3 (FA), NikkiHotWheels_3 (FA), Peas_3 (FA), PeggyLeg03_3 (FA), Pucara_3 (FA), Pumpkins_3 (AZ1), RockScotty_3 (AZ5), Schaffner_3 (AZ1), SpecialK_3 (AZ5), Stuu_3 (AZ5), TforTroy_3 (AZ1), Yang_3 (AZ1),

Start 146:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wildwest_4 (AZ1),

Start 148:

- Found in 97 of 2396 (4.0%) of genes in pham
- Manual Annotations of this start: 57 of 2091
- Called 80.4% of time when present
- Phage (with cluster) where this start called: AEgle_3 (AZ1), AGrandiflora_3 (AZ1), AceofSpades_3 (AZ4), Adolin_3 (AZ1), Adumb2043_3 (AZ1), Amploria_3 (AZ1), Amyev_3 (AZ1), Asa16_3 (AZ1), Ascela_3 (AZ1), Barnstormer_3 (EH), Berrie_3 (AZ1), Caron_3 (EH), Cen1621_3 (EH), Community_4 (AZ1), Crewmate_4 (AZ1), Cyan_3 (AZ1), DrManhattan_3 (AZ1), DrSierra_3 (AZ1), Elezi_3 (AZ1), Emotion_3 (AZ4), Eraser_3 (AZ1), Exile_3 (AZ6), FiveHead_3 (AZ4), Floof_3 (EH), Flutur_3 (AZ), GardenState_3 (EH), Honk_3 (EH), IAmGroot_3 (EH), IUFootball_3 (AZ2), Iter_3 (AZ1), Janeemi_4 (AZ1), JasmineDragon_3 (AZ4), Joemato_3 (AZ1), JohnDoe_3 (AZ1), JohnThicc_3 (AZ4), Jstan_3 (AZ1), Kaylissa_3 (AZ1), KeAlii_3 (AZ1), LadyAstra_3 (AZ4), Lego_3 (AZ1), Liebe_3 (AZ2), Lizalica_3 (AZ1), London_3 (AZ1), MaGuCo_3 (AZ2), Mabodamaca_3 (EH), Maureen_3 (AZ2), Michkear_6 (AZ), MiniMommy_3 (AZ4), MissSwiss_3 (AZ1), Mudpuppy_3 (AZ1), Niobe_3 (AZ1), Nitro_3 (AZ1), ObiToo_3 (AZ1), Origami_3 (AZ4), PandaPo_3 (AZ1), Phives_4 (AZ1), Pixelle_3 (AZ1), Powerpuff_3 (AZ1), ShakeltOph_3 (AZ4), Simpson_3 (AZ1), Skelbel_3 (AZ1), Soondubu_3 (AZ6), SuMoo_3 (EH), Subaru_3 (AZ1), Sue2_3 (AZ1), Tallboi_3 (AZ1), Tbone_3 (AZ1), ThursdayNight_3 (AZ), Tian_3 (AZ1), Tuck_4 (AZ1), Turab_3 (AZ1), Tutumahutu_3 (AZ1), UtzChips_3 (EH), VResidence_3 (AZ1), VroomVroom_3 (AZ4), Warda_3 (AZ1), YesChef_3 (AZ1), Zeta1847_3 (EH),

Start 149:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_4 (singleton),

Start 151:

- Found in 97 of 2396 (4.0%) of genes in pham
- Manual Annotations of this start: 63 of 2091
- Called 72.2% of time when present

- Phage (with cluster) where this start called: AinMach_3 (AZ7), Alexphander_4 (F1), Aloeri_4 (F1), Awesomesauce_4 (F1), Beakin_4 (F1), Beanstalk_4 (F1), BigPhil_4 (F1), Bobi_4 (F1), Boomer_4 (F1), Brookers_4 (F1), Brushbloom_4 (F1), BuzzLyseyear_4 (F1), Cerasum_4 (F1), ChickenDinner_4 (F1), Coco12_4 (F1), Cornucopia_4 (F1), DS6A_6 (singleton), DaWorst_4 (F1), DirtMcgirt_4 (F1), DocMcStuffs_4 (F1), Doomslug_4 (F), DosHalletts_4 (F1), Drago_4 (F1), EmiRose_3 (singleton), Emmaloid_4 (F1), Enby_4 (F1), Flathead_4 (F1), Frankie_4 (F1), Girafales_4 (F1), Hegedechwinu_4 (F1), JalFarm20_4 (F1), Job42_4 (F1), Juice456_4 (F1), Kimberlium_4 (F1), Kingsley_4 (F1), Leozinho_4 (F1), LittleShirley_4 (F1), LordVader_4 (F), Lorde_4 (F1), Lucia_4 (F1), Madiba_4 (F1), Marker_4 (F1), Misha28_4 (F1), Mova_4 (F1), Mozy_4 (F1), MulchExplorer_4 (F1), Oksu_4 (F1), OwlsT2W_4 (F1), Peridot_4 (F1), Piper2020_4 (F1), Plumbus_4 (F1), Pollywog_4 (F1), Quico_4 (F1), Ramsey_4 (F1), Rialto_4 (F1), RockyHorror_4 (F1), Sarma624_4 (F1), Seagreen_4 (F1), SimranZ1_4 (F1), Slim_4 (F1), Spikelee_4 (F1), Squirty_4 (F3), Stap_4 (F1), Starceвич_4 (F1), Tchotchke_4 (F1), TootsiePop_4 (F1), Tootsieroll_4 (F1), Totinger_4 (F1), UncleRicky_4 (F1), Velveteen_4 (F1),

Start 152:

- Found in 3 of 2396 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Dubu_3 (BJ), phiSASD1_23 (BJ),

Start 154:

- Found in 159 of 2396 (6.6%) of genes in pham
- Manual Annotations of this start: 46 of 2091
- Called 36.5% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_3 (BU), ATCC29399BT_3 (BU), Aquarius_3 (BU), Attacne_3 (BU), BruceLethal_3 (BU), Cota_3 (BU), DrParker_3 (BU), Enochoraptor_3 (BU), Enoki_3 (BU), Footloose_3 (singleton), Keiki_3 (BU), Kubed_3 (BU), Lauchelly_3 (BU), Leviosa_3 (BU), LilBandit_3 (BU), MEAK_3 (BU), Moyashi_3 (BU), MrAK_3 (BU), Ouroboros_3 (BU), P1.1_3 (BU), P100.1_3 (BU), P100A_3 (BU), P100D_3 (BU), P101A_3 (BU), P104A_3 (BU), P104B_3 (BU), P105_3 (BU), P106A_3 (BU), P106C_3 (BU), P106I_3 (BU), P106L_3 (BU), P106M_3 (BU), P107A_3 (BU), P107C_3 (BU), P108C_3 (BU), P14.4_3 (BU), P9.1_3 (BU), PA6_3 (BU), PAD20_3 (BU), PAS50_3 (BU), PHL010M04_03 (BU), PHL037M02_03 (BU), PHL060L00_03 (BU), PHL067M10_03 (BU), PHL071N05_03 (BU), PHL111M01_03 (BU), PHL112N00_03 (BU), PHL113M01_03 (BU), PHL114L00_03 (BU), Pirate_3 (BU), Procrass1_3 (BU), QueenBey_3 (BU), Rileysaurus_3 (BU), SKKY_3 (BU), Solid_3 (BU), Stormborn_3 (BU), Supernova_3 (BU), Wizzo_3 (BU),

Start 155:

- Found in 175 of 2396 (7.3%) of genes in pham
- Manual Annotations of this start: 140 of 2091
- Called 92.6% of time when present
- Phage (with cluster) where this start called: Aaronocolus_7 (BD1), AdaS_4 (AY), Aikyam_4 (AY), Alsaber_8 (BD3), Alvy_9 (BD2), Amela_7 (BD3), Amethyst_7 (BD2), Andris_7 (BD2), Anekin_3 (AY), Animus_8 (BD2), Asten_7 (BD1), Axiom_8 (BD2), BarryBee_9 (BD1), BartholomewSD_9 (BD2), BasketStar_4 (AY), BeardedLady_8 (BD1), BenchScraper_4 (AY), Bhageatrice_6 (AY), BillyTP_4 (AY), BlueShadow_4 (AY), Bovely_7 (BD1), Bowden_8 (BD2), Brataylor_8 (BD1), BroPlease_8 (BD4), BryanRecycles_8 (BD1), Caelum_8 (BD2), Celery_9 (BD3), Celeste_7 (BD1), Celia_7

(BD6), Chucky_7 (BD1), Conan_8 (BD3), CookieBear_4 (AY), CosmicBrownie_3 (AY), Crescenzo_4 (AY), Danzina_8 (BD1), DarwinJr_6 (AY), Dattran_8 (BD1), Daudau_7 (BD2), Dexers_6 (BD3), Diane_7 (BD2), Ding_4 (AY), Dwayne_7 (BD1), ELB20_06 (BD2), Eddasa_8 (BD1), Ejemplo_7 (BD1), ElGato_8 (BD3), Emaanora_9 (BD1), EnochSoames_8 (BD1), Esperer_7 (BD1), EvePickles_4 (AY), Faja_4 (AY), GirlDinner_7 (BD2), Globfish_4 (AY), Goby_7 (BD1), Godpower_8 (BD1), Gorpy_4 (AY), GreenWeasel_9 (BD4), GumGum_4 (AY), Haizum_7 (BD2), Hank144_8 (BD2), Hestia_3 (AY), Hillester_4 (AY), Hippo_7 (BD1), Hydra_9 (BD1), Indigo_7 (BD1), Isolde_4 (AY), Issmi_8 (BD2), Itza_7 (BD6), Izzy_8 (BD1), JakeTheSnake_4 (AY), Janus_8 (BD2), Jash_8 (BD1), JellyBread_4 (AY), Jevington_9 (BD2), Jhitchelle_6 (BD3), Kabloowy_4 (AY), Kaine_7 (BD3), Katalie_8 (BD1), Lannister_8 (BD1), Lasker_4 (AY), Lawnathon_4 (AY), LeBruni_4 (AY), Legacy_7 (BD1), Leviticus_7 (BD1), Lika_7 (BD1), Loofah_8 (BD2), Mapleville_3 (AY), Marav_10 (BD2), MaterMagnus_4 (AY), MidnightRain_4 (AY), MurphyJoseph_4 (AY), Nabi_7 (BD1), Nanodon_9 (BD1), Nerdos_7 (BD1), NewKitty_4 (AY), Nishikigoi_7 (BD2), Nyilah_3 (AY), Omar_8 (BD2), Ozzie_7 (BD1), OzzyJ_8 (BD1), Pablito_7 (BD2), Paedore_7 (BD2), Paolo_9 (BD2), Pavo_8 (BD3), Persistence_3 (AY), Phettuccine_7 (BD1), Phrank15_3 (AY), Provolone_8 (BD3), Puginator_9 (BD2), R4_7 (BD2), Rana_7 (BD1), Raphaella_4 (AY), RedBear_9 (BD1), Richie_4 (AY), Rusticus_8 (BD1), SPB78_3 (BA), Saftant_7 (BD3), Sakai_4 (AY), SarahRose_7 (BD1), Sashimi_4 (AY), Satrap_4 (AY), Seahorse_4 (AY), Shukran_4 (AY), Snorlax_7 (BD1), SonDevVon_3 (AY), South40_8 (BD1), Speedwell_8 (BD3), SpicyFrank_4 (AY), Sporco_5 (AY), SqueakyClean_8 (BD2), Sudan_7 (BD3), Sujidade_8 (BD1), SunkenRoot_9 (BD3), SunsetPointe_7 (BD1), Superstar_9 (BD2), TagerPighter_8 (BD1), Tefunt_7 (BD2), ThayneTheZag_4 (AY), Thestral_8 (BD2), Tiff81_4 (AY), TinaBelcher_7 (BD2), Toma_7 (BD1), Triste_7 (BD1), Triumph_9 (BD2), TrvxScott_6 (BD2), TuanPN_7 (BD1), Unstoppable_7 (BD1), Urza_7 (BD6), Vanseggelen_10 (BD3), Verabelle_8 (BD3), Verse_7 (BD3), Vopal_4 (AY), Werner_7 (BD1), Whatever_7 (BD1), Windest_4 (AY), Yasdnail_7 (BD1), Yosif_8 (BD3), YoungHarleezy_4 (AY), Zainub_9 (BD2), ZamZam_7 (BD3), Zemlya_8 (BD1), phiHau3_9 (BD4),

Start 156:

- Found in 192 of 2396 (8.0%) of genes in pham
- Manual Annotations of this start: 163 of 2091
- Called 87.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_3 (BL), Akhila_4 (F1), AlpineSix_3 (F1), ArcusAngelus_3 (F1), Ardmore_3 (F1), Aubs_3 (F1), Batiatius_3 (F1), Bipolar_3 (F1), Blexus_3 (F1), BlueCrab_3 (F1), BobaPhett_3 (F1), Brocalys_3 (F1), Bubbles123_3 (F1), Burwell21_3 (F1), ByChance_3 (F1), CaptainTrips_4 (F1), Che8_3 (F1), Cheesepuff_3 (F1), Chevrolet_3 (F1), Chuckly_3 (F1), Clifton_3 (F1), Crumble_3 (F1), DLane_3 (F1), DRBy19_3 (F1), DaddyRickover_3 (F1), Daenerys_3 (F1), Dante_3 (F1), DeadP_3 (F1), Deb65_3 (F1), DillTech15_3 (F1), DoRead_3 (F1), Donkeykong_3 (F1), Doomphist_3 (F1), Dorothy_3 (F1), DotProduct_3 (F1), Doug_3 (F1), Eish_3 (F1), EleanorGeorge_3 (F1), EmiMonkey_3 (F1), Emma_3 (F1), Empress_3 (F1), Eradicator_3 (F1), Estave1_3 (F1), Fancypants_3 (F1), Fastidio_3 (F1), Firehouse51_3 (F1), Florinda_3 (F1), FreddyB_3 (F1), Fruitloop_3 (F1), Gumbie_3 (F1), Galactic_3 (F1), Geralt_3 (F1), GigiOuiOui_3 (F1), Girr_3 (F1), Gorge_3 (F1), Guppsters_3 (F1), Hades_3 (F1), Hamulus_3 (F1), Harley_3 (F1), Hlubikazi_3 (F1), IbOuu_3 (F1), Ibhubes_3 (F1), Inventum_3 (F1), IrishSherpFalk_3 (F1), James_3 (F1), Jacob_3 (F1), Jinglebell_3 (F1), JoeyJr_3 (F1), Karhdo_3 (F1), Kenuha5_3 (F1), Kersh_3 (F1), KingJulian_3 (F1), KingMidas_3 (F1), Koella_3 (F1), KristaRAM_4 (F1), LastJedi_3 (F1), Latretium_3 (F1), Leperchaun_3 (F1), LilMoolah_3 (F1), Lizziana_3 (F1), Llama_3 (F1), Llij_3 (F1), LunaBlu_3 (F1),

MadMen_3 (F1), Mahavrat_3 (F1), Mandlovu_3 (F1), Maravista_3 (F1), Martik_3 (F1), Melissauren88_3 (F1), MilanaBonita_4 (F1), MilleniumForce_4 (F1), MinionDave_4 (F1), MisterCuddles_3 (F1), Modragons_3 (F1), Moonbeam_3 (F1), Ms6_3 (F1), Mutaforma13_3 (F1), Nesbitt_3 (BL), NewHope4_3 (F1), Nimbo_3 (F1), Nitzel_4 (F1), Nivrat_3 (F1), NormanBulbieJr_3 (F1), Ochi17_3 (F1), OfUltron_3 (F1), OldBen_3 (F1), OlympiaSaint_3 (F1), Ovechkin_3 (F1), PHappiness_3 (F1), PMC_3 (F1), Pacc40_3 (F1), Phalconet_3 (F1), Phanphagia_3 (F1), Phasih_3 (F1), Phatniss_3 (F1), PhesterPhotato_3 (F1), PhilipPhlop_3 (F1), Pippy_3 (F1), Poenanya_3 (F1), Polka14_3 (F1), PopTart_3 (F1), Priscilla_3 (F1), QuickMath_3 (F1), Radiance_3 (F1), RedBird_3 (F1), RitaG_3 (F1), Rita_3 (F1), Rockne_3 (F1), Rowa_3 (BL), Royals2015_3 (F1), Ruby_3 (F1), SG4_3 (F1), Saal_3 (F1), Sabbb_3 (F1), Sandalphon_3 (F1), Sassafras_3 (F1), SassyB_3 (F1), Scottish_3 (F1), Seabastian_3 (F1), Shauna1_3 (F1), ShiLan_3 (F1), ShowerHandel_3 (F1), ShroomBoi_3 (F1), SiSi_3 (F1), Sparkdehlily_3 (F1), Spartacus_3 (F1), Spoonbill_3 (F1), StAnnes_3 (F1), Strokeseat_3 (F1), SuperGrey_3 (F1), SwagPiggett_3 (F1), TDanisky_3 (F1), Taj_3 (F1), Topiatin_5 (F1), Tweety_3 (F1), VRedHorse_3 (F1), Veteran_3 (F1), Violac_3 (F1), Vivum_3 (F1), Wachhund_3 (F1), Wee_3 (F1), Whatsapiecost_3 (F1), WillSterrel_3 (F1), XFactor_3 (F1), Yorick_3 (F1), Zerg_3 (F1), Zizzle_3 (F1),

Start 157:

- Found in 129 of 2396 (5.4%) of genes in pham
- Manual Annotations of this start: 14 of 2091
- Called 13.2% of time when present
- Phage (with cluster) where this start called: BabyMoney_5 (DT), Dogfish_5 (DT), Ewald_6 (DT), Fryberger_35 (DP), Guey18_40 (DP), Keelan_33 (DP), Manilisa_7 (DT), Meyran_5 (DT), Nyceirae_7 (DT), Phishy_6 (DT), Ronaldo_38 (DP), Sabinator_14 (A3), Sleepyhead_3 (singleton), StepMih_14 (A3), Volt_37 (DP), Vordorf_5 (DT), Ziko_38 (DP),

Start 158:

- Found in 239 of 2396 (10.0%) of genes in pham
- Manual Annotations of this start: 220 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_10 (A1), AFIS_12 (A1), Abbyshoes_13 (A1), Abrogate_130 (A1), Acme_14 (A1), Adahisdi_13 (A1), Aeneas_14 (A1), Agaliana_12 (A1), Ajay_12 (A1), Aldrich_13 (A1), Alsfro_16 (A1), Altman_13 (A1), Alvin_13 (A1), Anglerfish_13 (A1), Applejack_12 (A1), Arcanine_13 (A1), Arlo_11 (A1), Ashballer_11 (A1), Atkinbua_13 (A1), BK1_10 (A1), BPBiebs31_13 (A1), BaconJack_14 (A1), Barriga_12 (A1), BarrowTuph_11 (A1), Beatrix_11 (A1), BeesKnees_13 (A1), Bethlehem_12 (A1), Bexan_11 (A1), Big3_12 (A1), BigMau_14 (A1), BigPaolini_13 (A1), Bigchungi_12 (A1), Bigfoot_11 (A1), Bircsak_12 (A1), Blackflame_12 (A1), Blesser_12 (A1), BluSpix_12 (A1), Blue_12 (A1), Bob3_11 (A1), Bones_12 (A1), Briton15_14 (A1), Bruns_11 (A1), Burton_13 (A1), Buttons_13 (A1), CactusRose_11 (A1), Carlyle_14 (A1), CartmannCramer_12 (A1), CatBus_13 (A1), Chanagan_11 (A1), ChristmasHams_12 (A1), Ciao_12 (A1), ConceptII_12 (A1), Corvo_12 (A1), Crispicous1_11 (A1), Cueylyss_12 (A1), DD5_13 (A1), Dexes_13 (A1), DirtDevil_13 (A1), Doom_12 (A1), DrFeelGood_11 (A1), DreamCatcher_15 (A1), Dreamboat_13 (A1), Dulcie_11 (A1), Dussy_13 (A1), Dynamix_13 (A1), Edtherson_13 (A1), EnzoK_13 (A1), Espresso_12 (A1), Euphoria_12 (A1), Eyeball_12 (A1), Fajezeel_14 (A1), Fascinus_11 (A1), Fenn_13 (A1), Forsytheast_11 (A1), Francis47_12 (A1), Froghopper_13 (A1), Fushigi_13 (A1), GMonster_11 (A1), Gachnar_12 (A1), GageAP_14 (A1), Gandalf20_13 (A1), Gompeii16_12 (A1), Graduation_14 (A1), GrecoEtereo_13 (A1), Greg_14 (A1),

GroundGoblin_13 (A1), Gwendoluna_14 (A1), Gyzlar_14 (A1), Hami1_14 (A1), HanShotFirst_12 (A1), HarryOW_13 (A1), Hermia_14 (A1), HermioneGrange_13 (A1), Homines_12 (A1), Hope4ever_12 (A1), ILeeKay_14 (A1), Ichabod_13 (A1), IgnatiusPatJac_11 (A1), Inyanga_11 (A1), Iqorha_11 (A1), JC27_14 (A1), JackSparrow_13 (A1), Jasper_13 (A1), Jerm2_13 (A1), Jorgensen_12 (A1), JuliaChild_14 (A1), KBG_13 (A1), KSSJEB_12 (A1), Kanely_13 (A1), Kenmech_15 (A1), KikiBouba_14 (A1), Killigrew_10 (A1), KyMonks1A_14 (A1), Lamina13_12 (A1), Lesedi_11 (A1), Levia_12 (A1), Licorice_14 (A1), LilBib_13 (A1), Lockley_12 (A1), Lopton_13 (A1), LunarLander_12 (A1), MPlant7149_11 (A1), Magnar_12 (A1), Magnito_11 (A1), Makemake_12 (A1), Manatee_13 (A1), Marcell_12 (A1), Marchy_11 (A1), Marco3_12 (A1), Marge_13 (A1), Maroc7_11 (A1), Marsha_12 (A1), MaryBeth_12 (A1), McGuire_13 (A1), McSinger_13 (A1), MetalQZJ_12 (A1), Michley_12 (A1), MilleFeuille_11 (A1), Mkhuse1_13 (A1), Molly_13 (A1), Monet_14 (A1), Moose_11 (A1), MrGordo_12 (A1), Mryolo_11 (A1), Mule_12 (A1), Museum_14 (A1), NEHalo_12 (A1), Naira_13 (A1), Nerujay_13 (A1), Nhonho_12 (A1), Niza_14 (A1), Norz_14 (A1), Noxious_14 (A1), Ohno789_12 (A1), Oogway_11 (A1), PSullivan_14 (A1), PacerPaul_12 (A1), Papez_14 (A1), Paphu_11 (A1), Paraselene_11 (A1), Pari_13 (A1), Parliament_11 (A1), PascalRango_11 (A1), PattyP_14 (A1), Payneful_12 (A1), Pelly_13 (A1), Pepe_13 (A1), Perseus_13 (A1), Peterson_15 (A1), Petp2012_14 (A1), Petruchio_12 (A1), PherrisBuellier_13 (A1), PhineBark_11 (A1), Phlippers_11 (A1), PhrostyMug_12 (A1), PinkPlastic_11 (A1), Pinto_14 (A1), Pippin_14 (A1), Pita2_14 (A1), PowerRanger_12 (A1), ProMouse_11 (A1), Puppet_12 (A1), QTRlifeCrisis_12 (A1), Raid_12 (A1), Rajelicia_12 (A1), Rhynn_12 (A1), RidgeCB_12 (A1), Ringer_12 (A1), Rohr_13 (A1), Rubeus_13 (A1), Rufus_13 (A1), Ruotula_11 (A1), Rutherferd_14 (A1), STLscum_13 (A1), Sagefire_13 (A1), Sandaddy_11 (A1), Sanya_11 (A1), SarFire_12 (A1), Scowl_13 (A1), Seabiscuit_14 (A1), Seanderson_13 (A1), ShortQueendom_12 (A1), Sibs6_14 (A1), SkiPole_14 (A1), Slagathor_13 (A1), Smairt_13 (A1), Smeagol_13 (A1), Snazzy_10 (A1), Solon_12 (A1), Sorpresa_12 (A1), SpikeBT_14 (A1), Squee_13 (A1), StewieG_11 (A1), StrongArm_11 (A1), Sumter_11 (A1), Sunshine924_11 (A1), SwissCheese_12 (A1), Switzer_13 (A1), Swole_14 (A1), Tasp14_13 (A1), Teodoridan_10 (A1), TheloniousMonk_14 (A1), Thor_12 (A1), Topgun_12 (A1), Tote_14 (A1), Traft412_14 (A1), Treddle_14 (A1), Tripl3t_13 (A1), Trouble_12 (A1), Turj99_11 (A1), TwoPeat_13 (A1), U2_12 (A1), Violet_11 (A1), Watermelon_14 (A1), Wheeler_12 (A1), Wilkins_12 (A1), Zeeculate_11 (A1), Zephyr_12 (A1), Zeuska_13 (A1),

Start 159:

- Found in 83 of 2396 (3.5%) of genes in pham
- Manual Annotations of this start: 63 of 2091
- Called 96.4% of time when present
- Phage (with cluster) where this start called: Agatha_5 (CT), AikoCarson_4 (CT), Amok_4 (CT), AndPeggy_4 (CT), Axym_5 (CT), Azira_7 (CT), Balloona_4 (CT), Bavidard_5 (CT), BigChungus_4 (CT), BillDoor_7 (CT), Biskit_6 (CT), Blondies_6 (CT), Bubble_5 (CT), Burnsey_5 (CT), Button_6 (CT), Buttrmilkdreams_5 (CT), CanesSauce_5 (CT), CaramelLatte_5 (CT), CherryonLim_6 (CT), ChickenTender_7 (CT), ChocoMunchkin_5 (CT), Cleo_5 (CT), CocoaPuff_4 (CT), Cozz_5 (CT), Dre3_5 (CT), ElJefes_4 (CT), Elinal_6 (CT), Elliott_5 (CT), Emalyn_4 (CT), Feastonyeet_4 (CT), Fribs8_6 (CT), GiKK_8 (CT), Gibbous_5 (CT), GoldHunter_6 (CT), Hexbug_6 (CT), HippoPololi_7 (CT), Horseradish_6 (CT), Jamzy_8 (CT), KayGee_5 (CT), Lauer_4 (CT), MAnor_5 (CT), MScarn_7 (CT), MaVan_7 (CT), Malvina_7 (CT), Margaret_8 (CT), Mayweather_6 (CT), McDazzle_4 (CT), MunkgeeRoachy_5 (CT), Nibbles_7 (CT), Nina_5 (CT), Nodigi_6 (CT), Orla_6 (CT), Pons_5 (CT), PotPie_5

(CT), PsychoKiller_5 (CT), Quasar_5 (CT), RADical_6 (CT), RanchParmCat_8 (CT), RedBaron_7 (CT), SheckWes_4 (CT), SketchMex_4 (CT), Socotra_6 (CT), Sopespian_5 (CT), Starburst_6 (CT), SteamedHams_7 (CT), SummitAcademy_4 (CT), Survivors_7 (CT), SweatNTears_7 (CT), Tarnish_5 (CT), Tolls_7 (CT), Troje_5 (CT), Typhonmarchy_5 (CT), Vine_6 (CT), Wallaby_8 (CT), Wolfwood_7 (CT), Yakult_6 (CT), Yarn_4 (CT), Yucky_5 (CT), Yummy_6 (CT), Zareef_7 (CT),

Start 160:

- Found in 6 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Doedicurus_9 (GJ),

Start 171:

- Found in 7 of 2396 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 14.3% of time when present
- Phage (with cluster) where this start called: VieEnRose_7 (BD6),

Start 179:

- Found in 50 of 2396 (2.1%) of genes in pham
- Manual Annotations of this start: 2 of 2091
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Byougenkin_3 (F1), Grimmer_4 (F1), Mwanjiwa_3 (F1), Nichirin_3 (F1), SeaLumen_3 (F1), Whouxphf_3 (F1),

Start 180:

- Found in 154 of 2396 (6.4%) of genes in pham
- Manual Annotations of this start: 9 of 2091
- Called 10.4% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_3 (F1), Cabrinians_3 (F1), Corium_3 (F1), Filuzino_3 (F1), Gandolph_3 (F1), IMpilo_3 (F1), Jant_3 (F1), Juniper1_3 (F1), Krakatau_4 (F1), Mattes_3 (F1), Medindi_3 (F1), Minnie_3 (F1), MulchSalad_3 (F7), Okabe_5 (F8), PatoPoderoso_3 (F1), Philus_3 (F1),

Start 182:

- Found in 810 of 2396 (33.8%) of genes in pham
- No Manual Annotations of this start.
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Kimba_13 (A11), Prudy_15 (A2),

Start 183:

- Found in 1 of 2396 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wyvern_10 (GJ),

Start 184:

- Found in 81 of 2396 (3.4%) of genes in pham
- No Manual Annotations of this start.
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Carsonalex_6 (CT), GTE2_03 (CT), RSchmailzl_6 (CT),

Start 187:

- Found in 4 of 2396 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 25.0% of time when present
- Phage (with cluster) where this start called: OscarSo_11 (GJ),

Start 193:

- Found in 222 of 2396 (9.3%) of genes in pham
- Manual Annotations of this start: 1 of 2091
- Called 1.4% of time when present
- Phage (with cluster) where this start called: Clank_3 (F), Jennelsea_3 (F1), Mantra_3 (F1),

Start 220:

- Found in 1 of 2396 (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: VWB_3 (BA),

Start 222:

- Found in 637 of 2396 (26.6%) of genes in pham
- Manual Annotations of this start: 4 of 2091
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Forester_3 (EH), Gretchen_3 (EH), Percival_3 (EH), SuperHands_3 (EH), phiCAM_07 (BD3),

Summary by clusters:

There are 125 clusters represented in this pham: BA, BL, BN, singleton, BJ, BT, BU, BW, BR, G5, G4, G3, G2, G1, CQ2, CQ1, A21, A22, T, X, GJ, FA, M1, M3, M2, CY5, CY4, BD4, BD6, BD1, BD3, BD2, EO, EN, EH, G, S, CR2, CR3, CR1, CR6, CR7, CR4, CR5, FP, FR, K3, K2, K1, K7, K6, K5, K4, K8, FN, DN4, DN1, DN3, DN2, DU1, DU2, F, CA, V, UNK, CT, A20, F1, F2, F3, F4, F5, F6, F7, F8, DN, DL, DH, DD, DT, DP, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, CY3, CY2, CY1, AB, CY7, CY6, AG, AF, AJ, L4, L5, L2, L3, L1, AY, AZ, FQ1, FQ2, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:

- Start number 127 was manually annotated 5 times for cluster A1.
- Start number 158 was manually annotated 220 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 124 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 127 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 127 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 127 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 127 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 127 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 127 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 124 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 127 was manually annotated 106 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 127 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 127 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 124 was manually annotated 96 times for cluster A3.
- Start number 127 was manually annotated 18 times for cluster A3.
- Start number 157 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 124 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 127 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 127 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 124 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 127 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 127 was manually annotated 35 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 112 was manually annotated 1 time for cluster AB.
- Start number 115 was manually annotated 1 time for cluster AB.
- Start number 123 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 144 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 134 was manually annotated 1 time for cluster AG.
- Start number 137 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AJ:

- Start number 128 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster AY:

- Start number 105 was manually annotated 1 time for cluster AY.
- Start number 140 was manually annotated 3 times for cluster AY.
- Start number 155 was manually annotated 35 times for cluster AY.

Info for manual annotations of cluster AZ1:

- Start number 144 was manually annotated 1 time for cluster AZ1.
- Start number 145 was manually annotated 7 times for cluster AZ1.
- Start number 146 was manually annotated 1 time for cluster AZ1.
- Start number 148 was manually annotated 37 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 148 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 144 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 148 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 144 was manually annotated 6 times for cluster AZ5.
- Start number 145 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 148 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:

- Start number 144 was manually annotated 4 times for cluster BD1.
- Start number 155 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 155 was manually annotated 33 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 155 was manually annotated 15 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 155 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 155 was manually annotated 3 times for cluster BD6.
- Start number 171 was manually annotated 1 time for cluster BD6.

Info for manual annotations of cluster BJ:

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

Info for manual annotations of cluster BL:

- Start number 156 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BN:

- Start number 102 was manually annotated 9 times for cluster BN.

Info for manual annotations of cluster BR:

- Start number 52 was manually annotated 2 times for cluster BR.

Info for manual annotations of cluster BT:

- Start number 136 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster BU:

- Start number 154 was manually annotated 45 times for cluster BU.

Info for manual annotations of cluster BW:

- Start number 107 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CA:

- Start number 124 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:

- Start number 104 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 104 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 121 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 121 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 120 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 84 was manually annotated 7 times for cluster CR4.
- Start number 121 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 121 was manually annotated 3 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 117 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 121 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 159 was manually annotated 63 times for cluster CT.

Info for manual annotations of cluster CY1:

- Start number 126 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 126 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 126 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 126 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 126 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 126 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 126 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DD:

- Start number 104 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DH:

- Start number 126 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DL:

- Start number 102 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 110 was manually annotated 3 times for cluster DN.
- Start number 123 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 123 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 123 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 110 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 110 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 157 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DT:

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

Info for manual annotations of cluster DU1:

- Start number 102 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 102 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster EH:

- Start number 148 was manually annotated 11 times for cluster EH.
- Start number 222 was manually annotated 4 times for cluster EH.

Info for manual annotations of cluster EN:

- Start number 117 was manually annotated 2 times for cluster EN.
- Start number 129 was manually annotated 6 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 143 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F1:

- Start number 123 was manually annotated 1 time for cluster F1.
- Start number 151 was manually annotated 60 times for cluster F1.
- Start number 156 was manually annotated 160 times for cluster F1.
- Start number 179 was manually annotated 2 times for cluster F1.
- Start number 180 was manually annotated 9 times for cluster F1.
- Start number 193 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 123 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 151 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 110 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 106 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FA:

- Start number 145 was manually annotated 13 times for cluster FA.

Info for manual annotations of cluster FN:

- Start number 127 was manually annotated 3 times for cluster FN.

Info for manual annotations of cluster FP:

- Start number 123 was manually annotated 6 times for cluster FP.

Info for manual annotations of cluster FQ1:

- Start number 105 was manually annotated 2 times for cluster FQ1.
- Start number 123 was manually annotated 1 time for cluster FQ1.
- Start number 142 was manually annotated 1 time for cluster FQ1.

Info for manual annotations of cluster FR:

- Start number 123 was manually annotated 8 times for cluster FR.
- Start number 126 was manually annotated 3 times for cluster FR.

Info for manual annotations of cluster G:

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

Info for manual annotations of cluster G1:

- Start number 105 was manually annotated 67 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 105 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 105 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 105 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 69 was manually annotated 1 time for cluster G5.
- Start number 103 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster GJ:

- Start number 111 was manually annotated 1 time for cluster GJ.
- Start number 160 was manually annotated 1 time for cluster GJ.
- Start number 183 was manually annotated 1 time for cluster GJ.
- Start number 187 was manually annotated 1 time for cluster GJ.

Info for manual annotations of cluster K1:

- Start number 75 was manually annotated 22 times for cluster K1.
- Start number 83 was manually annotated 87 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 81 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 75 was manually annotated 1 time for cluster K3.
- Start number 83 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 75 was manually annotated 5 times for cluster K4.
- Start number 81 was manually annotated 16 times for cluster K4.
- Start number 101 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 83 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 75 was manually annotated 4 times for cluster K6.
- Start number 83 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 81 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 82 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 131 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 131 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 131 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 132 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 121 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 93 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 93 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 93 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:

- Start number 76 was manually annotated 19 times for cluster S.

Info for manual annotations of cluster T:

- Start number 85 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster UNK:

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

Info for manual annotations of cluster V:

- Start number 132 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

- Start number 102 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 20ES_13 Start: 9230, Stop: 10690, Start Num: 127

Candidate Starts for 20ES_13:

(Start: 127 @9230 has 330 MA's), (182, 9290), (233, 9395), (355, 9659), (365, 9677), (382, 9710), (466, 9821), (534, 9938), (545, 9965), (549, 9971), (563, 9992), (566, 9998), (587, 10043), (675, 10187), (709, 10280), (735, 10337), (741, 10355), (743, 10358), (757, 10385), (762, 10394), (812, 10511), (818, 10526), (824, 10541), (842, 10571), (867, 10595),

Gene: 40AC_16 Start: 11241, Stop: 12704, Start Num: 127

Candidate Starts for 40AC_16:

(Start: 127 @11241 has 330 MA's), (Start: 143 @11262 has 5 MA's), (182, 11301), (229, 11394), (233, 11406), (365, 11688), (438, 11793), (484, 11871), (489, 11880), (504, 11901), (534, 11952), (545, 11979), (549, 11985), (563, 12006), (574, 12027), (577, 12036), (587, 12057), (650, 12138), (682, 12219), (735, 12351), (743, 12372), (757, 12399), (762, 12408), (789, 12474), (812, 12525), (824, 12555), (842, 12585), (867, 12609),

Gene: 8UZL_6 Start: 3456, Stop: 4979, Start Num: 123

Candidate Starts for 8UZL_6:

(70, 3372), (Start: 123 @3456 has 47 MA's), (139, 3471), (182, 3513), (229, 3606), (233, 3618), (253, 3657), (257, 3666), (263, 3681), (296, 3744), (298, 3756), (320, 3822), (324, 3840), (382, 3951), (549, 4215), (585, 4284), (601, 4323), (695, 4485), (705, 4524), (734, 4590), (740, 4608), (787, 4701), (791, 4710), (795, 4716),

Gene: A6_10 Start: 8266, Stop: 9708, Start Num: 158

Candidate Starts for A6_10:

(109, 8200), (Start: 158 @8266 has 220 MA's), (263, 8464), (365, 8677), (482, 8872), (489, 8884), (545, 8983), (667, 9178), (682, 9217), (710, 9295), (712, 9301), (735, 9349), (739, 9361), (743, 9370), (785, 9460), (824, 9550), (845, 9583), (857, 9595),

Gene: ACFishhook_14 Start: 8807, Stop: 10261, Start Num: 124

Candidate Starts for ACFishhook_14:

(Start: 124 @8807 has 299 MA's), (Start: 157 @8837 has 14 MA's), (182, 8864), (233, 8969), (298, 9083), (320, 9149), (343, 9206), (382, 9284), (384, 9287), (482, 9428), (545, 9539), (549, 9545), (563, 9566), (663, 9731), (710, 9857), (735, 9911), (737, 9917), (743, 9932), (762, 9968), (802, 10055), (812, 10085), (824, 10115), (857, 10160), (867, 10169),

Gene: AEgle_3 Start: 2269, Stop: 3642, Start Num: 148

Candidate Starts for AEgle_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (421, 2752), (484, 2845), (580, 3025), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: AFIS_12 Start: 8603, Stop: 10045, Start Num: 158

Candidate Starts for AFIS_12:

(109, 8537), (Start: 158 @8603 has 220 MA's), (263, 8801), (365, 9014), (482, 9209), (489, 9221), (545, 9320), (667, 9515), (682, 9554), (710, 9632), (712, 9638), (735, 9686), (739, 9698), (743, 9707), (785, 9797), (824, 9887), (845, 9920), (857, 9932),

Gene: AGrandiflora_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for AGrandiflora_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: AN3_13 Start: 9215, Stop: 10675, Start Num: 127

Candidate Starts for AN3_13:

(Start: 127 @9215 has 330 MA's), (182, 9275), (233, 9380), (355, 9644), (365, 9662), (382, 9695), (466, 9806), (545, 9950), (549, 9956), (563, 9977), (566, 9983), (587, 10028), (675, 10172), (709, 10265), (720, 10292), (735, 10322), (741, 10340), (743, 10343), (757, 10370), (762, 10379), (812, 10496), (818, 10511), (824, 10526), (842, 10556), (867, 10580),

Gene: AN9_16 Start: 9161, Stop: 10618, Start Num: 127

Candidate Starts for AN9_16:

(Start: 127 @9161 has 330 MA's), (182, 9221), (233, 9326), (365, 9608), (382, 9641), (481, 9782), (489, 9797), (534, 9869), (545, 9896), (549, 9902), (563, 9923), (566, 9929), (587, 9974), (735, 10268), (741, 10286), (743, 10289), (757, 10316), (762, 10325), (789, 10391), (812, 10442), (824, 10472), (842, 10502), (867, 10526),

Gene: ANI8_16 Start: 9161, Stop: 10618, Start Num: 127

Candidate Starts for ANI8_16:

(Start: 127 @9161 has 330 MA's), (182, 9221), (233, 9326), (365, 9608), (382, 9641), (481, 9782), (489, 9797), (534, 9869), (545, 9896), (549, 9902), (563, 9923), (566, 9929), (587, 9974), (735, 10268), (741, 10286), (743, 10289), (757, 10316), (762, 10325), (789, 10391), (812, 10442), (824, 10472), (842, 10502), (867, 10526),

Gene: ATCC29399BC_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for ATCC29399BC_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (682, 2792), (702, 2846), (710, 2870), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: ATCC29399BT_3 Start: 1893, Stop: 3218, Start Num: 154

Candidate Starts for ATCC29399BT_3:

(Start: 154 @1893 has 46 MA's), (164, 1908), (170, 1914), (181, 1926), (191, 1947), (216, 1998), (224, 2007), (225, 2013), (233, 2031), (242, 2040), (246, 2049), (247, 2052), (255, 2073), (258, 2082), (298, 2133), (301, 2142), (314, 2181), (316, 2187), (322, 2208), (324, 2217), (385, 2325), (387, 2328), (424, 2367), (426, 2370), (429, 2373), (434, 2382), (443, 2394), (477, 2439), (480, 2448), (482, 2454), (484, 2457), (488, 2463), (489, 2466), (498, 2475), (552, 2577), (574, 2613), (598, 2655), (599, 2658), (602, 2664), (614, 2673), (618, 2682), (649, 2715), (667, 2760), (670, 2769), (674, 2778), (702, 2853), (710, 2877), (730, 2922), (737, 2937), (743, 2952), (767, 2997), (785, 3048), (800, 3075), (808, 3096), (809, 3099), (811, 3105), (818, 3123), (824, 3138), (825, 3141), (839, 3171), (845, 3177),

Gene: Aaronocolus_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Aaronocolus_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: AbbeyMikolon_3 Start: 2376, Stop: 3785, Start Num: 156

Candidate Starts for AbbeyMikolon_3:

(Start: 151 @2370 has 63 MA's), (Start: 156 @2376 has 163 MA's), (231, 2511), (252, 2556), (258, 2571), (259, 2574), (308, 2664), (326, 2718), (368, 2781), (382, 2808), (412, 2847), (438, 2880), (503, 2976), (511, 2991), (513, 2994), (540, 3051), (578, 3120), (587, 3144), (638, 3234), (669, 3315), (675, 3330), (700, 3384), (710, 3423), (735, 3477), (766, 3540), (812, 3642), (813, 3651), (820, 3663), (821, 3666), (827, 3684), (845, 3711), (869, 3732),

Gene: AbbyDaisy_4 Start: 2123, Stop: 3580, Start Num: 105

Candidate Starts for AbbyDaisy_4:

(Start: 105 @2123 has 79 MA's), (Start: 151 @2171 has 63 MA's), (164, 2186), (170, 2192), (173, 2195), (182, 2204), (226, 2294), (236, 2309), (252, 2345), (272, 2393), (298, 2420), (312, 2459), (316, 2474), (322, 2495), (324, 2504), (348, 2540), (402, 2630), (435, 2666), (489, 2756), (509, 2783), (532, 2822), (537, 2837), (549, 2861), (602, 2966), (658, 3041), (666, 3059), (673, 3077), (690, 3122), (713, 3188), (724, 3212), (739, 3248), (740, 3251), (787, 3356), (789, 3362), (807, 3398), (820, 3431), (824, 3443), (869, 3491),

Gene: AbbyPaige_15 Start: 9675, Stop: 11135, Start Num: 127

Candidate Starts for AbbyPaige_15:

(Start: 127 @9675 has 330 MA's), (182, 9735), (233, 9840), (324, 10038), (365, 10122), (382, 10155), (482, 10299), (534, 10383), (545, 10410), (549, 10416), (563, 10437), (566, 10443), (587, 10488), (735, 10782), (741, 10800), (743, 10803), (757, 10830), (762, 10839), (812, 10956), (824, 10986), (842, 11016), (867, 11040),

Gene: AbbysRanger_12 Start: 8587, Stop: 10044, Start Num: 124

Candidate Starts for AbbysRanger_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (355, 9013), (382, 9064), (476, 9193), (482, 9211), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (599, 9424), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (737, 9715), (743, 9730), (757, 9757), (798, 9847), (802, 9853), (812, 9883), (824, 9913), (845, 9943),

Gene: Abbysshoes_13 Start: 8692, Stop: 10134, Start Num: 158

Candidate Starts for Abbysshoes_13:

(109, 8626), (Start: 158 @8692 has 220 MA's), (263, 8890), (342, 9064), (365, 9103), (482, 9298), (489, 9310), (545, 9409), (667, 9604), (710, 9721), (712, 9727), (735, 9775), (739, 9787), (743, 9796), (785, 9886), (824, 9976), (845, 10009), (857, 10021),

Gene: Abdiel_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Abdiel_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Abrogate_130 Start: 9348, Stop: 10790, Start Num: 158

Candidate Starts for Abrogate_130:

(109, 9282), (Start: 158 @9348 has 220 MA's), (263, 9546), (365, 9759), (482, 9954), (489, 9966), (545, 10065), (584, 10137), (667, 10260), (682, 10299), (710, 10377), (712, 10383), (735, 10431), (739, 10443), (743, 10452), (785, 10542), (824, 10632), (845, 10665), (857, 10677),

Gene: Abscondus_30 Start: 10194, Stop: 11810, Start Num: 104

Candidate Starts for Abscondus_30:

(Start: 104 @10194 has 19 MA's), (Start: 143 @10245 has 5 MA's), (Start: 151 @10254 has 63 MA's), (Start: 193 @10314 has 1 MA's), (Start: 222 @10371 has 4 MA's), (238, 10404), (240, 10407), (258, 10452), (269, 10479), (365, 10683), (379, 10713), (403, 10749), (431, 10794), (435, 10803), (444,

10818), (533, 10959), (539, 10977), (541, 10983), (566, 11025), (644, 11217), (675, 11304), (686, 11334), (704, 11379), (722, 11427), (730, 11442), (756, 11505), (769, 11529), (771, 11535), (775, 11544), (806, 11613), (824, 11664), (825, 11667), (829, 11679),

Gene: AceofSpades_3 Start: 2305, Stop: 3672, Start Num: 148

Candidate Starts for AceofSpades_3:

(Start: 148 @2305 has 57 MA's), (215, 2419), (Start: 222 @2428 has 4 MA's), (266, 2527), (535, 2971), (663, 3190), (699, 3268), (789, 3487), (799, 3496),

Gene: Achebe_12 Start: 8575, Stop: 10032, Start Num: 124

Candidate Starts for Achebe_12:

(Start: 124 @8575 has 299 MA's), (229, 8725), (233, 8737), (308, 8884), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (508, 9235), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9745), (798, 9835), (812, 9871), (816, 9883), (824, 9901), (845, 9931),

Gene: Acme_14 Start: 9039, Stop: 10481, Start Num: 158

Candidate Starts for Acme_14:

(109, 8973), (Start: 158 @9039 has 220 MA's), (263, 9237), (365, 9450), (482, 9645), (484, 9648), (545, 9756), (584, 9828), (667, 9951), (682, 9990), (710, 10068), (712, 10074), (735, 10122), (739, 10134), (743, 10143), (785, 10233), (824, 10323), (845, 10356), (857, 10368),

Gene: Acolyte_13 Start: 9393, Stop: 10856, Start Num: 127

Candidate Starts for Acolyte_13:

(Start: 127 @9393 has 330 MA's), (182, 9453), (225, 9540), (233, 9558), (365, 9840), (382, 9873), (534, 10101), (545, 10128), (549, 10134), (563, 10155), (587, 10206), (682, 10368), (735, 10500), (741, 10518), (743, 10521), (757, 10548), (762, 10557), (802, 10644), (812, 10674), (824, 10704), (842, 10734), (867, 10758), (870, 10761),

Gene: Acquire49_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Acquire49_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: ActinUp_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for ActinUp_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: AdaS_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for AdaS_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Adahisdi_13 Start: 8931, Stop: 10373, Start Num: 158

Candidate Starts for Adahisdi_13:

(109, 8865), (Start: 158 @8931 has 220 MA's), (263, 9129), (365, 9342), (482, 9537), (489, 9549), (545, 9648), (667, 9843), (682, 9882), (710, 9960), (712, 9966), (735, 10014), (739, 10026), (743, 10035), (785, 10125), (824, 10215), (845, 10248), (857, 10260),

Gene: Adephagia_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Adephagia_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Adolin_3 Start: 2280, Stop: 3656, Start Num: 148

Candidate Starts for Adolin_3:

(Start: 148 @2280 has 57 MA's), (215, 2391), (Start: 222 @2400 has 4 MA's), (266, 2499), (421, 2763), (534, 2940), (580, 3036), (675, 3195), (699, 3243), (705, 3273), (713, 3297), (778, 3432), (799, 3471), (803, 3480),

Gene: Adonis_9 Start: 3037, Stop: 4590, Start Num: 83

Candidate Starts for Adonis_9:

(45, 2914), (46, 2935), (Start: 75 @3022 has 32 MA's), (Start: 83 @3037 has 142 MA's), (175, 3136), (182, 3145), (215, 3217), (Start: 222 @3226 has 4 MA's), (232, 3250), (248, 3283), (252, 3292), (266, 3325), (305, 3394), (314, 3415), (327, 3457), (362, 3523), (369, 3538), (414, 3613), (428, 3634), (458, 3688), (506, 3784), (522, 3808), (537, 3841), (546, 3862), (558, 3883), (575, 3913), (624, 3946), (635, 3964), (659, 4024), (666, 4042), (670, 4054), (672, 4057), (676, 4069), (677, 4072), (699, 4108), (711, 4156), (735, 4207), (741, 4225), (787, 4321), (803, 4342), (812, 4369), (813, 4378), (828, 4414),

Gene: Adumb2043_3 Start: 2268, Stop: 3641, Start Num: 148

Candidate Starts for Adumb2043_3:

(Start: 148 @2268 has 57 MA's), (Start: 222 @2388 has 4 MA's), (266, 2487), (421, 2751), (580, 3024), (675, 3180), (699, 3228), (705, 3258), (713, 3282), (799, 3456), (864, 3576),

Gene: Adzzy_14 Start: 8042, Stop: 9499, Start Num: 127

Candidate Starts for Adzzy_14:

(Start: 127 @8042 has 330 MA's), (182, 8102), (233, 8207), (365, 8489), (489, 8678), (534, 8750), (545, 8777), (549, 8783), (563, 8804), (566, 8810), (682, 9017), (735, 9149), (741, 9167), (743, 9170), (757, 9197), (762, 9206), (802, 9293), (812, 9323), (824, 9353), (842, 9383), (867, 9407), (890, 9428),

Gene: Aegeus_5 Start: 2394, Stop: 3842, Start Num: 121

Candidate Starts for Aegeus_5:

(Start: 111 @2379 has 1 MA's), (Start: 121 @2394 has 32 MA's), (135, 2415), (Start: 140 @2421 has 4 MA's), (196, 2505), (237, 2586), (243, 2595), (249, 2613), (252, 2619), (253, 2622), (266, 2652), (303, 2712), (305, 2724), (314, 2745), (319, 2760), (326, 2784), (335, 2805), (363, 2829), (409, 2904), (413, 2910), (441, 2931), (469, 2970), (483, 3006), (495, 3027), (506, 3048), (510, 3054), (512, 3057), (517, 3063), (554, 3138), (582, 3198), (675, 3354), (682, 3372), (686, 3384), (687, 3387), (697, 3399), (701, 3408), (702, 3423), (720, 3471), (735, 3501), (737, 3507), (799, 3630), (801, 3633), (803, 3639), (812, 3666), (821, 3690), (824, 3699), (829, 3714), (840, 3729), (846, 3735), (849, 3738), (852, 3741),

Gene: Aeneas_14 Start: 9026, Stop: 10468, Start Num: 158

Candidate Starts for Aeneas_14:

(109, 8960), (Start: 158 @9026 has 220 MA's), (263, 9224), (365, 9437), (482, 9632), (545, 9743), (667, 9938), (682, 9977), (710, 10055), (712, 10061), (735, 10109), (739, 10121), (743, 10130), (785, 10220), (824, 10310), (845, 10343), (857, 10355),

Gene: Agaliana_12 Start: 8740, Stop: 10182, Start Num: 158

Candidate Starts for Agaliana_12:

(109, 8674), (Start: 158 @8740 has 220 MA's), (263, 8938), (365, 9151), (482, 9346), (489, 9358), (545, 9457), (584, 9529), (667, 9652), (682, 9691), (710, 9769), (712, 9775), (735, 9823), (739, 9835), (743, 9844), (785, 9934), (824, 10024), (845, 10057), (857, 10069),

Gene: Agamotto_7 Start: 5913, Stop: 7391, Start Num: 123

Candidate Starts for Agamotto_7:

(Start: 123 @5913 has 47 MA's), (204, 6039), (224, 6060), (326, 6285), (328, 6291), (442, 6465), (525, 6588), (532, 6603), (549, 6642), (602, 6753), (658, 6828), (666, 6846), (667, 6849), (702, 6942), (735, 7020), (811, 7188), (818, 7206), (845, 7260), (929, 7374),

Gene: Agape74_15 Start: 9675, Stop: 11135, Start Num: 127

Candidate Starts for Agape74_15:

(Start: 127 @9675 has 330 MA's), (182, 9735), (233, 9840), (324, 10038), (365, 10122), (382, 10155), (482, 10299), (534, 10383), (545, 10410), (549, 10416), (563, 10437), (566, 10443), (587, 10488), (735, 10782), (741, 10800), (743, 10803), (757, 10830), (762, 10839), (812, 10956), (824, 10986), (842, 11016), (867, 11040),

Gene: Agatha_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Agatha_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Agent47_7 Start: 2770, Stop: 4308, Start Num: 83

Candidate Starts for Agent47_7:

(Start: 83 @2770 has 142 MA's), (175, 2872), (182, 2881), (201, 2935), (248, 3019), (253, 3031), (266, 3061), (281, 3079), (305, 3130), (319, 3166), (326, 3190), (327, 3193), (359, 3247), (369, 3268), (414, 3343), (428, 3364), (444, 3394), (473, 3439), (495, 3493), (522, 3538), (537, 3571), (555, 3607), (558, 3613), (624, 3676), (635, 3694), (666, 3772), (670, 3784), (672, 3787), (677, 3802), (701, 3847), (702, 3862), (709, 3883), (711, 3889), (734, 3937), (735, 3940), (741, 3958), (780, 4039), (787, 4054), (803, 4075), (813, 4111), (828, 4147), (899, 4234),

Gene: AgentM_10 Start: 8017, Stop: 9450, Start Num: 127

Candidate Starts for AgentM_10:

(Start: 127 @8017 has 330 MA's), (247, 8185), (252, 8200), (255, 8206), (329, 8374), (343, 8401), (382, 8479), (449, 8560), (488, 8632), (489, 8635), (534, 8707), (549, 8740), (563, 8761), (577, 8791), (605, 8836), (710, 9052), (735, 9106), (741, 9124), (762, 9163), (812, 9280), (824, 9310), (842, 9340), (867, 9364),

Gene: Ageofdapage_9 Start: 2969, Stop: 4522, Start Num: 83

Candidate Starts for Ageofdapage_9:

(38, 2726), (44, 2840), (46, 2867), (Start: 75 @2954 has 32 MA's), (Start: 83 @2969 has 142 MA's), (175, 3068), (182, 3077), (215, 3149), (Start: 222 @3158 has 4 MA's), (232, 3182), (248, 3215), (266, 3257), (305, 3326), (314, 3347), (327, 3389), (362, 3455), (369, 3470), (428, 3566), (441, 3590), (501, 3707), (522, 3740), (537, 3773), (558, 3815), (575, 3845), (624, 3878), (635, 3896), (666, 3974), (670,

3986), (672, 3989), (676, 4001), (677, 4004), (699, 4040), (711, 4088), (735, 4139), (741, 4157), (787, 4253), (803, 4274), (812, 4301), (813, 4310), (828, 4346), (873, 4400),

Gene: Aglet_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for Aglet_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: AgronaGT15_14 Start: 8562, Stop: 10016, Start Num: 124

Candidate Starts for AgronaGT15_14:

(Start: 124 @8562 has 299 MA's), (Start: 157 @8592 has 14 MA's), (182, 8619), (233, 8724), (298, 8838), (320, 8904), (343, 8961), (382, 9039), (384, 9042), (482, 9183), (545, 9294), (549, 9300), (563, 9321), (663, 9486), (710, 9612), (735, 9666), (737, 9672), (743, 9687), (762, 9723), (802, 9810), (812, 9840), (824, 9870), (857, 9915), (867, 9924),

Gene: AikoCarson_4 Start: 2484, Stop: 3938, Start Num: 159

Candidate Starts for AikoCarson_4:

(Start: 159 @2484 has 63 MA's), (184, 2508), (242, 2622), (246, 2631), (297, 2712), (322, 2796), (326, 2808), (365, 2877), (392, 2925), (466, 3024), (489, 3066), (525, 3117), (537, 3147), (545, 3165), (549, 3171), (633, 3321), (663, 3399), (674, 3426), (718, 3546), (741, 3597), (762, 3630), (800, 3714), (807, 3732), (811, 3744), (812, 3747), (835, 3804), (836, 3807), (923, 3915),

Gene: Aikyam_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for Aikyam_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: AinMach_3 Start: 2293, Stop: 3654, Start Num: 151

Candidate Starts for AinMach_3:

(Start: 151 @2293 has 63 MA's), (198, 2371), (Start: 222 @2413 has 4 MA's), (246, 2461), (355, 2674), (450, 2812), (497, 2905), (645, 3145), (678, 3226), (705, 3295), (758, 3412), (789, 3484), (799, 3493), (803, 3502), (845, 3592),

Gene: Airmid_10 Start: 7764, Stop: 9197, Start Num: 127

Candidate Starts for Airmid_10:

(Start: 127 @7764 has 330 MA's), (225, 7893), (247, 7932), (252, 7947), (329, 8121), (343, 8148), (449, 8307), (484, 8373), (488, 8379), (489, 8382), (534, 8454), (549, 8487), (563, 8508), (573, 8526), (577, 8538), (710, 8799), (735, 8853), (741, 8871), (762, 8910), (812, 9027), (824, 9057), (842, 9087), (857, 9102), (867, 9111),

Gene: AizenPogi_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for AizenPogi_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Ajay_12 Start: 8736, Stop: 10178, Start Num: 158

Candidate Starts for Ajay_12:

(109, 8670), (Start: 158 @8736 has 220 MA's), (263, 8934), (365, 9147), (482, 9342), (489, 9354), (545, 9453), (584, 9525), (667, 9648), (682, 9687), (710, 9765), (712, 9771), (735, 9819), (739, 9831), (743, 9840), (785, 9930), (824, 10020), (845, 10053), (857, 10065),

Gene: Akhila_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for Akhila_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (688, 3893), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: Alatin_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Alatin_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Albee_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Albee_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Alberto7_13 Start: 8883, Stop: 10334, Start Num: 124

Candidate Starts for Alberto7_13:

(Start: 124 @8883 has 299 MA's), (229, 9030), (233, 9042), (316, 9210), (324, 9240), (343, 9279), (352, 9297), (382, 9357), (476, 9486), (482, 9504), (545, 9615), (549, 9621), (563, 9642), (566, 9648), (599, 9717), (642, 9777), (663, 9822), (710, 9948), (711, 9951), (735, 10002), (737, 10008), (743, 10023), (757, 10053), (798, 10143), (812, 10179), (816, 10191), (824, 10209), (845, 10239),

Gene: Aldrich_13 Start: 9244, Stop: 10686, Start Num: 158

Candidate Starts for Aldrich_13:

(109, 9178), (Start: 158 @9244 has 220 MA's), (263, 9442), (365, 9655), (482, 9850), (489, 9862), (545, 9961), (667, 10156), (682, 10195), (710, 10273), (712, 10279), (735, 10327), (739, 10339), (743, 10348), (785, 10438), (824, 10528), (845, 10561), (857, 10573),

Gene: Alexphander_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Alexphander_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: AlishaPH_9 Start: 3028, Stop: 4581, Start Num: 83

Candidate Starts for AlishaPH_9:

(46, 2926), (Start: 75 @3013 has 32 MA's), (Start: 83 @3028 has 142 MA's), (175, 3130), (182, 3139), (215, 3211), (Start: 222 @3220 has 4 MA's), (232, 3244), (248, 3277), (252, 3286), (305, 3388), (314, 3409), (326, 3448), (327, 3451), (362, 3514), (369, 3529), (380, 3553), (414, 3604), (428, 3625), (458, 3679), (522, 3799), (537, 3832), (546, 3853), (558, 3874), (575, 3904), (624, 3937), (635, 3955), (659, 4015), (666, 4033), (670, 4045), (672, 4048), (676, 4060), (677, 4063), (699, 4099), (711, 4147), (735, 4198), (741, 4216), (787, 4312), (803, 4333), (812, 4360), (813, 4369), (828, 4405),

Gene: Aliter_14 Start: 9821, Stop: 11308, Start Num: 127

Candidate Starts for Aliter_14:

(Start: 127 @9821 has 330 MA's), (182, 9884), (233, 9989), (329, 10199), (349, 10238), (365, 10271), (382, 10304), (482, 10448), (508, 10484), (514, 10493), (534, 10532), (545, 10559), (549, 10565), (563, 10586), (577, 10616), (587, 10637), (605, 10661), (624, 10676), (735, 10931), (741, 10949), (757, 10979), (758, 10982), (762, 10988), (810, 11099), (812, 11105), (824, 11135), (857, 11180), (867, 11189),

Gene: AlleyCat_7 Start: 2788, Stop: 4326, Start Num: 83

Candidate Starts for AlleyCat_7:

(Start: 83 @2788 has 142 MA's), (175, 2890), (182, 2899), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (326, 3208), (327, 3211), (359, 3265), (369, 3286), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (555, 3625), (558, 3631), (624, 3694), (635, 3712), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (711, 3907), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: Alma_14 Start: 9900, Stop: 11387, Start Num: 127

Candidate Starts for Alma_14:

(Start: 127 @9900 has 330 MA's), (182, 9963), (233, 10068), (329, 10278), (349, 10317), (365, 10350), (382, 10383), (482, 10527), (508, 10563), (514, 10572), (534, 10611), (545, 10638), (549, 10644), (563, 10665), (577, 10695), (587, 10716), (605, 10740), (624, 10755), (735, 11010), (741, 11028), (757, 11058), (758, 11061), (762, 11067), (810, 11178), (812, 11184), (824, 11214), (857, 11259), (867, 11268),

Gene: Aloeri_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for Aloeri_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Alpacados_8 Start: 4797, Stop: 6227, Start Num: 124

Candidate Starts for Alpacados_8:

(Start: 124 @4797 has 299 MA's), (247, 4974), (255, 4995), (266, 5022), (273, 5037), (308, 5100), (355, 5214), (449, 5343), (488, 5415), (538, 5502), (541, 5511), (545, 5517), (574, 5565), (604, 5619), (624, 5634), (630, 5643), (663, 5709), (667, 5718), (670, 5727), (721, 5862), (741, 5907), (743, 5910), (787, 6003), (812, 6060), (824, 6090), (836, 6117), (848, 6129), (854, 6135),

Gene: AlpineSix_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for AlpineSix_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465,

2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Alsaber_8 Start: 4192, Stop: 5625, Start Num: 155

Candidate Starts for Alsaber_8:

(Start: 155 @4192 has 140 MA's), (Start: 222 @4309 has 4 MA's), (246, 4357), (249, 4369), (371, 4612), (432, 4699), (466, 4759), (477, 4777), (479, 4783), (534, 4882), (573, 4957), (579, 4975), (610, 5014), (629, 5050), (669, 5152), (735, 5314), (741, 5332), (773, 5389), (812, 5479), (827, 5521), (882, 5587), (908, 5611),

Gene: Alsfro_16 Start: 9479, Stop: 10921, Start Num: 158

Candidate Starts for Alsfro_16:

(109, 9413), (Start: 158 @9479 has 220 MA's), (263, 9677), (365, 9890), (382, 9926), (482, 10085), (489, 10097), (545, 10196), (667, 10391), (682, 10430), (710, 10508), (712, 10514), (735, 10562), (739, 10574), (743, 10583), (762, 10616), (785, 10673), (824, 10763), (845, 10796), (857, 10808),

Gene: Altman_13 Start: 9274, Stop: 10716, Start Num: 158

Candidate Starts for Altman_13:

(109, 9208), (Start: 158 @9274 has 220 MA's), (263, 9472), (365, 9685), (482, 9880), (484, 9883), (489, 9892), (545, 9991), (667, 10186), (682, 10225), (710, 10303), (712, 10309), (735, 10357), (739, 10369), (743, 10378), (762, 10411), (785, 10468), (824, 10558), (845, 10591), (857, 10603),

Gene: Alvin_13 Start: 8947, Stop: 10389, Start Num: 158

Candidate Starts for Alvin_13:

(109, 8881), (Start: 158 @8947 has 220 MA's), (263, 9145), (365, 9358), (482, 9553), (489, 9565), (545, 9664), (667, 9859), (682, 9898), (710, 9976), (712, 9982), (735, 10030), (739, 10042), (743, 10051), (785, 10141), (824, 10231), (845, 10264), (857, 10276),

Gene: Alvy_9 Start: 4026, Stop: 5492, Start Num: 155

Candidate Starts for Alvy_9:

(Start: 155 @4026 has 140 MA's), (Start: 222 @4137 has 4 MA's), (246, 4185), (249, 4197), (266, 4236), (305, 4326), (412, 4497), (414, 4500), (432, 4521), (444, 4539), (458, 4566), (530, 4692), (534, 4704), (573, 4779), (579, 4797), (585, 4815), (589, 4824), (620, 4905), (645, 4962), (667, 5013), (669, 5019), (741, 5199), (773, 5256), (812, 5346), (813, 5355), (894, 5460), (908, 5478),

Gene: Amela_7 Start: 4252, Stop: 5685, Start Num: 155

Candidate Starts for Amela_7:

(Start: 155 @4252 has 140 MA's), (Start: 222 @4369 has 4 MA's), (246, 4417), (249, 4429), (371, 4672), (432, 4759), (477, 4837), (479, 4843), (534, 4942), (573, 5017), (579, 5035), (610, 5074), (629, 5110), (669, 5212), (735, 5374), (741, 5392), (773, 5449), (827, 5581), (850, 5611), (908, 5671),

Gene: Amelie_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Amelie_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Amethyst_7 Start: 3826, Stop: 5301, Start Num: 155

Candidate Starts for Amethyst_7:

(Start: 155 @3826 has 140 MA's), (176, 3856), (Start: 222 @3943 has 4 MA's), (266, 4042), (305, 4135), (477, 4408), (534, 4513), (579, 4606), (583, 4618), (585, 4624), (645, 4771), (667, 4822), (669, 4828), (741, 5008), (773, 5065), (812, 5155), (813, 5164), (908, 5287),

Gene: Amgine_7 Start: 2617, Stop: 4170, Start Num: 83

Candidate Starts for Amgine_7:

(44, 2485), (46, 2512), (Start: 75 @2602 has 32 MA's), (Start: 83 @2617 has 142 MA's), (182, 2725), (Start: 222 @2806 has 4 MA's), (232, 2830), (248, 2863), (281, 2923), (305, 2974), (314, 2995), (319, 3010), (362, 3100), (369, 3115), (414, 3190), (428, 3211), (441, 3235), (479, 3304), (495, 3340), (501, 3352), (522, 3385), (537, 3418), (546, 3439), (558, 3460), (575, 3490), (624, 3523), (635, 3541), (645, 3571), (666, 3619), (670, 3631), (672, 3634), (676, 3646), (677, 3649), (687, 3676), (711, 3733), (741, 3802), (751, 3823), (787, 3898), (803, 3919), (812, 3946), (813, 3955), (828, 3991),

Gene: Aminay_7 Start: 2762, Stop: 4318, Start Num: 81

Candidate Starts for Aminay_7:

(Start: 81 @2762 has 28 MA's), (Start: 101 @2786 has 1 MA's), (175, 2867), (182, 2876), (Start: 193 @2900 has 1 MA's), (215, 2948), (Start: 222 @2957 has 4 MA's), (248, 3014), (252, 3023), (253, 3026), (305, 3125), (314, 3146), (324, 3182), (327, 3188), (345, 3212), (362, 3248), (388, 3302), (428, 3359), (479, 3446), (500, 3491), (522, 3527), (536, 3557), (546, 3581), (550, 3587), (558, 3602), (624, 3665), (627, 3668), (635, 3683), (637, 3689), (659, 3743), (670, 3773), (677, 3791), (678, 3794), (687, 3818), (697, 3830), (702, 3854), (741, 3950), (767, 4028), (780, 4067), (785, 4079), (803, 4103), (811, 4127), (812, 4130), (813, 4139), (828, 4175), (842, 4199),

Gene: Amohnition_8 Start: 2823, Stop: 4376, Start Num: 83

Candidate Starts for Amohnition_8:

(45, 2697), (46, 2718), (Start: 75 @2808 has 32 MA's), (Start: 83 @2823 has 142 MA's), (175, 2922), (182, 2931), (185, 2937), (Start: 222 @3012 has 4 MA's), (232, 3036), (248, 3069), (281, 3129), (305, 3180), (314, 3201), (319, 3216), (362, 3306), (369, 3321), (414, 3396), (428, 3417), (441, 3441), (479, 3510), (501, 3558), (522, 3591), (527, 3597), (537, 3624), (546, 3645), (558, 3666), (624, 3729), (635, 3747), (666, 3825), (670, 3837), (672, 3840), (677, 3855), (687, 3882), (711, 3939), (734, 3987), (735, 3990), (741, 4008), (751, 4029), (767, 4050), (780, 4089), (787, 4104), (811, 4149), (812, 4152), (813, 4161), (828, 4197), (835, 4212),

Gene: Amok_4 Start: 2485, Stop: 3939, Start Num: 159

Candidate Starts for Amok_4:

(Start: 159 @2485 has 63 MA's), (184, 2509), (242, 2623), (246, 2632), (297, 2713), (319, 2785), (322, 2797), (365, 2878), (392, 2926), (466, 3025), (489, 3067), (525, 3118), (537, 3148), (545, 3166), (549, 3172), (633, 3322), (663, 3400), (674, 3427), (718, 3547), (730, 3571), (741, 3598), (762, 3631), (800, 3715), (807, 3733), (811, 3745), (812, 3748), (835, 3805), (836, 3808), (923, 3916),

Gene: Amploria_3 Start: 2268, Stop: 3641, Start Num: 148

Candidate Starts for Amploria_3:

(Start: 148 @2268 has 57 MA's), (Start: 222 @2388 has 4 MA's), (266, 2487), (421, 2751), (580, 3024), (675, 3180), (699, 3228), (705, 3258), (713, 3282), (799, 3456), (864, 3576),

Gene: Amyev_3 Start: 2278, Stop: 3657, Start Num: 148

Candidate Starts for Amyev_3:

(1, 1264), (2, 1399), (6, 1504), (10, 1522), (25, 1837), (40, 1978), (Start: 148 @2278 has 57 MA's), (196, 2350), (Start: 222 @2398 has 4 MA's), (266, 2497), (421, 2761), (484, 2854), (580, 3034), (675, 3190), (699, 3238), (705, 3268), (713, 3292), (799, 3466), (864, 3586),

Gene: Anaya_10 Start: 3049, Stop: 4602, Start Num: 83

Candidate Starts for Anaya_10:

(38, 2806), (46, 2947), (Start: 75 @3034 has 32 MA's), (Start: 83 @3049 has 142 MA's), (175, 3148), (182, 3157), (215, 3229), (Start: 222 @3238 has 4 MA's), (232, 3262), (248, 3295), (252, 3304), (266, 3337), (305, 3406), (314, 3427), (324, 3463), (327, 3469), (362, 3535), (369, 3550), (428, 3646), (501, 3787), (522, 3820), (537, 3853), (546, 3874), (558, 3895), (575, 3925), (635, 3976), (666, 4054), (670, 4066), (672, 4069), (676, 4081), (677, 4084), (711, 4168), (735, 4219), (741, 4237), (758, 4267), (787, 4333), (803, 4354), (812, 4381), (813, 4390), (828, 4426), (873, 4480),

Gene: Anaysia_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for Anaysia_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: AndPeggy_4 Start: 2796, Stop: 4250, Start Num: 159

Candidate Starts for AndPeggy_4:

(Start: 159 @2796 has 63 MA's), (184, 2820), (242, 2934), (246, 2943), (297, 3024), (322, 3108), (365, 3189), (466, 3336), (489, 3378), (525, 3429), (537, 3459), (545, 3477), (549, 3483), (663, 3711), (674, 3738), (680, 3753), (687, 3774), (718, 3858), (730, 3882), (800, 4026), (807, 4044), (811, 4056), (812, 4059), (835, 4116), (836, 4119), (923, 4227),

Gene: Andris_7 Start: 3857, Stop: 5341, Start Num: 155

Candidate Starts for Andris_7:

(Start: 155 @3857 has 140 MA's), (Start: 222 @3974 has 4 MA's), (249, 4034), (252, 4040), (266, 4073), (305, 4166), (314, 4187), (367, 4265), (414, 4340), (444, 4379), (477, 4439), (534, 4544), (573, 4619), (579, 4637), (583, 4649), (585, 4655), (588, 4661), (667, 4853), (669, 4859), (734, 5018), (773, 5096), (812, 5186), (813, 5195), (827, 5228), (908, 5327),

Gene: Aneem_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Aneem_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Anekin_3 Start: 2346, Stop: 3680, Start Num: 155

Candidate Starts for Anekin_3:

(Start: 140 @2334 has 4 MA's), (Start: 155 @2346 has 140 MA's), (Start: 179 @2367 has 2 MA's), (199, 2415), (217, 2445), (224, 2454), (229, 2466), (301, 2607), (305, 2625), (321, 2667), (353, 2724), (355, 2730), (365, 2748), (418, 2829), (435, 2850), (498, 2952), (541, 3033), (549, 3045), (551, 3048), (565, 3072), (585, 3114), (627, 3165), (667, 3240), (713, 3366), (734, 3408), (737, 3417), (738, 3420), (758, 3459), (768, 3474), (778, 3501), (824, 3606), (828, 3615), (877, 3666),

Gene: Angel_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Angel_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Angelica_9 Start: 3008, Stop: 4561, Start Num: 83

Candidate Starts for Angelica_9:

(38, 2765), (44, 2879), (46, 2906), (Start: 75 @2993 has 32 MA's), (Start: 83 @3008 has 142 MA's), (175, 3110), (182, 3119), (186, 3128), (Start: 222 @3200 has 4 MA's), (248, 3257), (252, 3266), (266, 3299), (267, 3302), (305, 3368), (314, 3389), (327, 3431), (369, 3509), (414, 3584), (428, 3605), (444, 3635), (495, 3734), (501, 3746), (522, 3779), (537, 3812), (546, 3833), (558, 3854), (575, 3884), (624, 3917), (635, 3935), (666, 4013), (670, 4025), (672, 4028), (676, 4040), (677, 4043), (699, 4079), (711, 4127), (735, 4178), (741, 4196), (787, 4292), (803, 4313), (812, 4340), (813, 4349), (828, 4385),

Gene: Angelique_3 Start: 2278, Stop: 3726, Start Num: 126

Candidate Starts for Angelique_3:

(51, 2125), (Start: 126 @2278 has 23 MA's), (Start: 140 @2296 has 4 MA's), (245, 2464), (257, 2497), (271, 2530), (314, 2602), (442, 2812), (484, 2881), (489, 2890), (514, 2923), (549, 2995), (600, 3097), (619, 3121), (628, 3130), (643, 3163), (645, 3166), (667, 3220), (687, 3274), (704, 3319), (721, 3364), (739, 3403), (740, 3406), (741, 3409), (767, 3454), (886, 3673),

Gene: Anglerfish_13 Start: 9661, Stop: 11103, Start Num: 158

Candidate Starts for Anglerfish_13:

(109, 9595), (Start: 158 @9661 has 220 MA's), (263, 9859), (365, 10072), (482, 10267), (489, 10279), (545, 10378), (584, 10450), (667, 10573), (682, 10612), (710, 10690), (712, 10696), (735, 10744), (739, 10756), (743, 10765), (785, 10855), (824, 10945), (845, 10978), (857, 10990),

Gene: AngryOrchard_8 Start: 4780, Stop: 6210, Start Num: 124

Candidate Starts for AngryOrchard_8:

(Start: 124 @4780 has 299 MA's), (247, 4957), (255, 4978), (266, 5005), (273, 5020), (349, 5182), (355, 5197), (449, 5326), (488, 5398), (538, 5485), (541, 5494), (545, 5500), (574, 5548), (624, 5617), (630, 5626), (667, 5701), (670, 5710), (721, 5845), (741, 5890), (743, 5893), (787, 5986), (812, 6043), (824, 6073), (836, 6100), (848, 6112), (854, 6118),

Gene: Animus_8 Start: 4204, Stop: 5691, Start Num: 155

Candidate Starts for Animus_8:

(Start: 155 @4204 has 140 MA's), (Start: 222 @4321 has 4 MA's), (266, 4420), (284, 4474), (305, 4513), (444, 4726), (534, 4894), (573, 4969), (576, 4978), (579, 4987), (585, 5005), (588, 5011), (645, 5152), (667, 5203), (669, 5209), (773, 5446), (813, 5545), (827, 5578), (908, 5677),

Gene: Anma_9 Start: 2999, Stop: 4546, Start Num: 83

Candidate Starts for Anma_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (114, 3026), (175, 3095), (182, 3104), (186, 3113), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (266, 3284), (305, 3353), (314, 3374), (324, 3410), (362, 3479), (368, 3491), (414, 3569), (428, 3590), (444, 3620), (458, 3644), (522, 3764), (537, 3797), (546, 3818), (558, 3839), (575, 3869), (624, 3902), (635, 3920), (666, 3998), (670, 4010), (672, 4013), (676, 4025), (677, 4028), (699, 4064), (711, 4112), (735, 4163), (741, 4181), (787, 4277), (803, 4298), (812, 4325), (813, 4334), (873, 4424),

Gene: AnnaL29_16 Start: 11076, Stop: 12536, Start Num: 127

Candidate Starts for AnnaL29_16:

(Start: 127 @11076 has 330 MA's), (Start: 155 @11106 has 140 MA's), (182, 11136), (229, 11229), (233, 11241), (365, 11523), (482, 11700), (488, 11709), (534, 11784), (545, 11811), (549, 11817), (563, 11838), (605, 11913), (735, 12183), (743, 12204), (749, 12219), (757, 12231), (762, 12240), (812, 12357), (824, 12387), (842, 12417), (867, 12441),

Gene: AnnabelLee_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for AnnabelLee_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: Annihilator_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Annihilator_3:

(Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Annyong_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Annyong_12:

(Start: 124 @8579 has 299 MA's), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Anon_13 Start: 8728, Stop: 10206, Start Num: 127

Candidate Starts for Anon_13:

(73, 8650), (Start: 127 @8728 has 330 MA's), (182, 8794), (225, 8881), (233, 8899), (365, 9181), (484, 9364), (488, 9370), (534, 9445), (545, 9472), (549, 9478), (563, 9499), (574, 9520), (735, 9844), (737, 9850), (741, 9862), (743, 9865), (757, 9892), (762, 9901), (810, 10012), (812, 10018), (824, 10048), (842, 10078), (857, 10093), (867, 10102),

Gene: Anselm_13 Start: 9335, Stop: 10798, Start Num: 127

Candidate Starts for Anselm_13:

(Start: 127 @9335 has 330 MA's), (182, 9395), (233, 9500), (324, 9698), (365, 9782), (382, 9815), (466, 9926), (534, 10043), (545, 10070), (549, 10076), (563, 10097), (566, 10103), (587, 10148), (667, 10271), (735, 10442), (741, 10460), (743, 10463), (757, 10490), (762, 10499), (812, 10616), (824, 10646), (842, 10676), (867, 10700),

Gene: Anthony_12 Start: 7369, Stop: 8817, Start Num: 127

Candidate Starts for Anthony_12:

(Start: 127 @7369 has 330 MA's), (182, 7429), (229, 7522), (233, 7534), (266, 7603), (327, 7738), (365, 7816), (382, 7849), (476, 7975), (482, 7993), (534, 8077), (542, 8101), (545, 8104), (549, 8110), (563, 8131), (687, 8359), (710, 8422), (735, 8476), (743, 8497), (762, 8533), (797, 8611), (812, 8641), (824, 8671), (854, 8713), (857, 8716),

Gene: Antsirabe_3 Start: 1976, Stop: 3523, Start Num: 103

Candidate Starts for Antsirabe_3:

(Start: 69 @1922 has 1 MA's), (Start: 103 @1976 has 1 MA's), (161, 2045), (164, 2048), (226, 2156), (246, 2189), (315, 2336), (316, 2339), (382, 2474), (439, 2552), (442, 2558), (482, 2624), (494, 2636), (516, 2669), (532, 2699), (549, 2738), (614, 2858), (649, 2915), (666, 2957), (667, 2960), (673, 2975), (674, 2978), (741, 3152), (836, 3371), (902, 3443), (909, 3458),

Gene: Anubis_16 Start: 8540, Stop: 9994, Start Num: 124

Candidate Starts for Anubis_16:

(Start: 124 @8540 has 299 MA's), (Start: 157 @8570 has 14 MA's), (182, 8597), (233, 8702), (298, 8816), (320, 8882), (343, 8939), (382, 9017), (384, 9020), (482, 9161), (545, 9272), (549, 9278), (563, 9299), (663, 9464), (710, 9590), (735, 9644), (737, 9650), (743, 9665), (762, 9701), (802, 9788), (812, 9818), (824, 9848), (857, 9893), (867, 9902),

Gene: Aphelion_31 Start: 10441, Stop: 12057, Start Num: 104

Candidate Starts for Aphelion_31:

(Start: 104 @10441 has 19 MA's), (Start: 143 @10492 has 5 MA's), (Start: 151 @10501 has 63 MA's), (Start: 193 @10561 has 1 MA's), (Start: 222 @10618 has 4 MA's), (240, 10654), (258, 10699), (269, 10726), (365, 10930), (379, 10960), (403, 10996), (431, 11041), (435, 11050), (444, 11065), (532, 11203), (533, 11206), (539, 11224), (541, 11230), (566, 11272), (644, 11464), (675, 11551), (686, 11581), (704, 11626), (722, 11674), (730, 11689), (756, 11752), (769, 11776), (771, 11782), (775, 11791), (806, 11860), (824, 11911), (825, 11914), (829, 11926),

Gene: Apiary_29 Start: 15865, Stop: 17454, Start Num: 117

Candidate Starts for Apiary_29:

(96, 15838), (Start: 117 @15865 has 8 MA's), (Start: 121 @15871 has 32 MA's), (Start: 127 @15880 has 330 MA's), (Start: 140 @15898 has 4 MA's), (Start: 143 @15901 has 5 MA's), (182, 15958), (227, 16051), (305, 16225), (307, 16231), (360, 16351), (399, 16426), (406, 16435), (440, 16483), (557, 16663), (570, 16684), (577, 16702), (581, 16714), (641, 16819), (653, 16846), (667, 16891), (672, 16903), (684, 16936), (713, 17014), (722, 17035), (735, 17059), (738, 17068), (746, 17092), (799, 17212), (803, 17221), (811, 17245),

Gene: Apocalypse_9 Start: 3004, Stop: 4557, Start Num: 83

Candidate Starts for Apocalypse_9:

(46, 2902), (Start: 75 @2989 has 32 MA's), (Start: 83 @3004 has 142 MA's), (175, 3103), (182, 3112), (215, 3184), (232, 3217), (248, 3250), (252, 3259), (266, 3292), (305, 3361), (314, 3382), (327, 3424), (362, 3490), (369, 3505), (414, 3580), (428, 3601), (458, 3655), (522, 3775), (537, 3808), (546, 3829), (558, 3850), (575, 3880), (624, 3913), (635, 3931), (659, 3991), (666, 4009), (670, 4021), (672, 4024), (676, 4036), (677, 4039), (699, 4075), (711, 4123), (735, 4174), (741, 4192), (787, 4288), (803, 4309), (812, 4336), (813, 4345), (828, 4381),

Gene: AppleCloud_7 Start: 4544, Stop: 5974, Start Num: 124

Candidate Starts for AppleCloud_7:

(72, 4463), (Start: 124 @4544 has 299 MA's), (247, 4721), (255, 4742), (266, 4769), (273, 4784), (308, 4847), (349, 4946), (355, 4961), (449, 5090), (488, 5162), (538, 5249), (541, 5258), (545, 5264), (574, 5312), (624, 5381), (630, 5390), (663, 5456), (667, 5465), (721, 5609), (741, 5654), (743, 5657), (787, 5750), (812, 5807), (824, 5837), (836, 5864), (848, 5876), (854, 5882),

Gene: Applecrisp_7 Start: 2961, Stop: 4529, Start Num: 75

Candidate Starts for Applecrisp_7:

(44, 2844), (46, 2871), (Start: 75 @2961 has 32 MA's), (Start: 83 @2976 has 142 MA's), (175, 3075), (182, 3084), (215, 3156), (Start: 222 @3165 has 4 MA's), (232, 3189), (248, 3222), (281, 3282), (314, 3354), (319, 3369), (362, 3459), (369, 3474), (414, 3549), (428, 3570), (441, 3594), (479, 3663), (495, 3699), (501, 3711), (522, 3744), (537, 3777), (546, 3798), (558, 3819), (575, 3849), (624, 3882), (635, 3900), (645, 3930), (666, 3978), (670, 3990), (672, 3993), (676, 4005), (677, 4008), (687, 4035), (711, 4092), (741, 4161), (751, 4182), (787, 4257), (803, 4278), (812, 4305), (813, 4314), (828, 4350),

Gene: Applejack_12 Start: 8674, Stop: 10116, Start Num: 158

Candidate Starts for Applejack_12:

(109, 8608), (Start: 158 @8674 has 220 MA's), (263, 8872), (365, 9085), (482, 9280), (545, 9391), (584, 9463), (667, 9586), (682, 9625), (710, 9703), (712, 9709), (735, 9757), (739, 9769), (743, 9778), (785, 9868), (824, 9958), (845, 9991), (857, 10003),

Gene: Appletree2_5 Start: 2598, Stop: 4271, Start Num: 131

Candidate Starts for Appletree2_5:

(Start: 131 @2598 has 70 MA's), (182, 2661), (201, 2715), (219, 2739), (253, 2808), (263, 2832), (305, 2910), (319, 2946), (374, 3039), (377, 3042), (441, 3117), (469, 3156), (495, 3219), (510, 3246), (512,

3249), (527, 3270), (535, 3291), (555, 3333), (557, 3336), (626, 3438), (634, 3453), (638, 3459), (672, 3540), (682, 3567), (684, 3573), (720, 3666), (734, 3693), (737, 3702), (767, 3756), (775, 3777), (782, 3798), (799, 3825), (803, 3834), (824, 3894), (840, 3924), (849, 3933), (925, 4041), (956, 4236),

Gene: Apricot_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for Apricot_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (242, 2342), (246, 2351), (247, 2354), (300, 2441), (301, 2444), (319, 2498), (335, 2546), (348, 2561), (355, 2573), (368, 2597), (390, 2636), (435, 2687), (447, 2705), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (542, 2873), (549, 2882), (575, 2927), (583, 2945), (587, 2954), (631, 3023), (647, 3065), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: Aquarius_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Aquarius_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (170, 1907), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (734, 2921), (743, 2945), (762, 2984), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: ArV2_03 Start: 1797, Stop: 3194, Start Num: 131

Candidate Starts for ArV2_03:

(Start: 131 @1797 has 70 MA's), (Start: 154 @1818 has 46 MA's), (200, 1899), (247, 1980), (264, 2025), (301, 2082), (330, 2172), (364, 2211), (380, 2241), (428, 2298), (432, 2304), (468, 2361), (532, 2466), (541, 2493), (552, 2511), (575, 2550), (601, 2598), (602, 2601), (614, 2610), (649, 2655), (669, 2706), (684, 2745), (737, 2877), (768, 2934), (773, 2946), (822, 3066), (848, 3111),

Gene: Aragog_10 Start: 8047, Stop: 9480, Start Num: 127

Candidate Starts for Aragog_10:

(Start: 127 @8047 has 330 MA's), (225, 8176), (229, 8182), (266, 8263), (329, 8404), (343, 8431), (382, 8509), (449, 8590), (482, 8653), (484, 8656), (488, 8662), (489, 8665), (534, 8737), (549, 8770), (563, 8791), (577, 8821), (710, 9082), (735, 9136), (741, 9154), (762, 9193), (812, 9310), (824, 9340), (857, 9385), (867, 9394),

Gene: Arcanine_13 Start: 8610, Stop: 10052, Start Num: 158

Candidate Starts for Arcanine_13:

(109, 8544), (Start: 158 @8610 has 220 MA's), (263, 8808), (365, 9021), (482, 9216), (484, 9219), (489, 9228), (545, 9327), (584, 9399), (667, 9522), (682, 9561), (710, 9639), (712, 9645), (735, 9693), (739, 9705), (743, 9714), (762, 9747), (785, 9804), (824, 9894), (845, 9927), (857, 9939),

Gene: ArcherNM_15 Start: 11011, Stop: 12474, Start Num: 127

Candidate Starts for ArcherNM_15:

(Start: 127 @11011 has 330 MA's), (182, 11071), (233, 11176), (365, 11458), (382, 11491), (484, 11641), (534, 11722), (545, 11749), (549, 11755), (563, 11776), (735, 12121), (741, 12139), (743, 12142), (749, 12157), (757, 12169), (762, 12178), (812, 12295), (824, 12325), (842, 12355), (867, 12379),

Gene: Archetta_10 Start: 7756, Stop: 9189, Start Num: 127

Candidate Starts for Archetta_10:

(Start: 127 @7756 has 330 MA's), (247, 7924), (252, 7939), (255, 7945), (329, 8113), (343, 8140), (382, 8218), (449, 8299), (488, 8371), (489, 8374), (534, 8446), (549, 8479), (563, 8500), (577, 8530), (605, 8575), (710, 8791), (735, 8845), (741, 8863), (762, 8902), (812, 9019), (824, 9049), (842, 9079), (867, 9103),

Gene: Archie_5 Start: 2603, Stop: 4258, Start Num: 131

Candidate Starts for Archie_5:

(Start: 131 @2603 has 70 MA's), (182, 2666), (189, 2681), (196, 2699), (219, 2744), (249, 2804), (253, 2813), (263, 2837), (266, 2843), (305, 2915), (319, 2951), (327, 2978), (367, 3029), (377, 3047), (380, 3053), (441, 3122), (469, 3161), (492, 3218), (495, 3224), (501, 3236), (506, 3245), (510, 3251), (512, 3254), (527, 3275), (535, 3296), (537, 3302), (557, 3341), (622, 3437), (638, 3464), (682, 3572), (684, 3578), (720, 3671), (734, 3698), (767, 3761), (775, 3782), (782, 3803), (799, 3830), (801, 3833), (803, 3839), (824, 3899), (840, 3929), (849, 3938), (855, 3944), (919, 4034), (925, 4046), (938, 4079), (945, 4118), (956, 4223),

Gene: ArcusAngelus_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for ArcusAngelus_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (250, 2421), (252, 2424), (253, 2427), (290, 2496), (293, 2502), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (375, 2673), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (751, 3387), (754, 3393), (769, 3417), (826, 3561), (833, 3579),

Gene: Ardmore_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Ardmore_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Arianna_4 Start: 2870, Stop: 4285, Start Num: 143

Candidate Starts for Arianna_4:

(Start: 143 @2870 has 5 MA's), (197, 2960), (253, 3089), (263, 3113), (305, 3185), (319, 3221), (454, 3458), (479, 3512), (530, 3608), (554, 3662), (576, 3704), (623, 3746), (705, 3944), (799, 4142),

Gene: Arissanae_12 Start: 8025, Stop: 9506, Start Num: 127

Candidate Starts for Arissanae_12:

(Start: 127 @8025 has 330 MA's), (182, 8085), (225, 8172), (233, 8190), (329, 8400), (365, 8472), (402, 8529), (466, 8616), (482, 8649), (508, 8685), (514, 8694), (534, 8733), (545, 8760), (549, 8766), (563, 8787), (566, 8793), (587, 8838), (624, 8877), (735, 9132), (741, 9150), (757, 9180), (762, 9189), (810, 9300), (812, 9306), (824, 9336), (857, 9381), (867, 9390),

Gene: Arlo_11 Start: 8299, Stop: 9741, Start Num: 158

Candidate Starts for Arlo_11:

(109, 8233), (Start: 158 @8299 has 220 MA's), (263, 8497), (365, 8710), (370, 8722), (482, 8905), (489, 8917), (545, 9016), (667, 9211), (682, 9250), (710, 9328), (712, 9334), (735, 9382), (739, 9394), (743, 9403), (785, 9493), (824, 9583), (845, 9616), (857, 9628),

Gene: Aroostook_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Aroostook_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Artemis2UCLA_16 Start: 9167, Stop: 10633, Start Num: 127

Candidate Starts for Artemis2UCLA_16:

(Start: 127 @9167 has 330 MA's), (Start: 143 @9188 has 5 MA's), (182, 9227), (225, 9314), (230, 9326), (233, 9332), (365, 9614), (400, 9668), (504, 9827), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (682, 10145), (743, 10298), (749, 10313), (757, 10325), (762, 10334), (789, 10400), (802, 10421), (812, 10451), (824, 10481), (842, 10511),

Gene: Arti_25 Start: 13883, Stop: 15472, Start Num: 121

Candidate Starts for Arti_25:

(Start: 121 @13883 has 32 MA's), (Start: 124 @13889 has 299 MA's), (138, 13904), (182, 13967), (266, 14159), (305, 14237), (315, 14261), (323, 14291), (460, 14522), (533, 14639), (570, 14711), (576, 14726), (581, 14741), (633, 14822), (684, 14963), (722, 15062), (730, 15077), (735, 15086), (738, 15095), (750, 15131), (759, 15155), (799, 15239), (803, 15248), (818, 15293),

Gene: Arturo_11 Start: 8689, Stop: 10143, Start Num: 124

Candidate Starts for Arturo_11:

(Start: 124 @8689 has 299 MA's), (229, 8839), (233, 8851), (316, 9019), (324, 9049), (343, 9088), (352, 9106), (382, 9166), (476, 9295), (482, 9313), (545, 9424), (549, 9430), (563, 9451), (566, 9457), (599, 9526), (642, 9586), (663, 9631), (710, 9757), (711, 9760), (735, 9811), (743, 9832), (757, 9862), (798, 9952), (812, 9988), (824, 10018), (845, 10048),

Gene: Asa16_3 Start: 2265, Stop: 3641, Start Num: 148

Candidate Starts for Asa16_3:

(Start: 148 @2265 has 57 MA's), (Start: 222 @2385 has 4 MA's), (266, 2484), (421, 2748), (580, 3021), (675, 3180), (699, 3228), (705, 3258), (713, 3282), (799, 3456), (864, 3576),

Gene: Asapag_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Asapag_4:

(Start: 123 @2191 has 47 MA's), (194, 2281), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (468, 2776), (532, 2878), (534, 2884), (542, 2908), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589),

Gene: Asayake_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Asayake_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Ascela_3 Start: 2280, Stop: 3656, Start Num: 148

Candidate Starts for Ascela_3:

(Start: 148 @2280 has 57 MA's), (Start: 222 @2400 has 4 MA's), (266, 2499), (421, 2763), (580, 3036), (675, 3195), (699, 3243), (705, 3273), (713, 3297), (799, 3471), (864, 3591),

Gene: Ashballe_11 Start: 8679, Stop: 10121, Start Num: 158

Candidate Starts for Ashballe_11:

(109, 8613), (Start: 158 @8679 has 220 MA's), (263, 8877), (365, 9090), (482, 9285), (489, 9297), (545, 9396), (584, 9468), (667, 9591), (682, 9630), (710, 9708), (712, 9714), (735, 9762), (739, 9774), (743, 9783), (785, 9873), (824, 9963), (845, 9996), (857, 10008),

Gene: Ashes_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Ashes_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (672, 3231), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690),

Gene: Asten_7 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Asten_7:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: Astro_10 Start: 7458, Stop: 8888, Start Num: 127

Candidate Starts for Astro_10:

(Start: 127 @7458 has 330 MA's), (232, 7608), (308, 7755), (365, 7890), (449, 8001), (482, 8064), (514, 8109), (545, 8175), (563, 8202), (584, 8247), (663, 8367), (702, 8469), (735, 8547), (737, 8553), (762, 8604), (812, 8721), (824, 8751), (867, 8805),

Gene: Atiba_9 Start: 2992, Stop: 4545, Start Num: 83

Candidate Starts for Atiba_9:

(46, 2890), (Start: 75 @2977 has 32 MA's), (Start: 83 @2992 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (252, 3250), (305, 3352), (314, 3373), (326, 3412), (327, 3415), (362, 3478), (369, 3493), (380, 3517), (414, 3568), (428, 3589), (458, 3643), (522, 3763), (537, 3796), (546, 3817), (558, 3838), (575, 3868), (624, 3901), (635, 3919), (659, 3979), (666, 3997), (670, 4009), (672, 4012), (676, 4024), (677, 4027), (699, 4063), (711, 4111), (735, 4162), (741, 4180), (787, 4276), (803, 4297), (812, 4324), (813, 4333), (828, 4369),

Gene: Atkinbua_13 Start: 8654, Stop: 10096, Start Num: 158

Candidate Starts for Atkinbua_13:

(109, 8588), (Start: 158 @8654 has 220 MA's), (263, 8852), (365, 9065), (482, 9260), (484, 9263), (545, 9371), (667, 9566), (682, 9605), (710, 9683), (712, 9689), (735, 9737), (739, 9749), (743, 9758), (785, 9848), (824, 9938), (845, 9971), (857, 9983),

Gene: Attacne_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for Attacne_3:

(Start: 154 @1881 has 46 MA's), (Start: 157 @1887 has 14 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (477, 2427), (488, 2451), (489, 2454), (498, 2463), (539, 2541), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (682, 2787), (702, 2841), (710, 2865), (734, 2916), (743, 2940), (762, 2979), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: Attoomi_4 Start: 2521, Stop: 3972, Start Num: 149

Candidate Starts for Attoomi_4:

(Start: 149 @2521 has 1 MA's), (168, 2545), (246, 2692), (248, 2701), (255, 2716), (263, 2737), (266, 2743), (305, 2848), (327, 2905), (367, 2956), (374, 2971), (402, 3013), (412, 3028), (417, 3037), (464, 3103), (466, 3106), (480, 3133), (530, 3220), (531, 3223), (534, 3232), (541, 3253), (548, 3265), (579, 3325), (611, 3370), (639, 3430), (659, 3478), (675, 3520), (685, 3547), (690, 3559), (698, 3568), (702, 3592), (706, 3607), (709, 3613), (713, 3625), (740, 3685), (744, 3697), (799, 3790), (808, 3814), (813, 3835), (821, 3850), (827, 3868), (852, 3898), (862, 3910), (874, 3922),

Gene: Aubs_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Aubs_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Audell_8 Start: 6183, Stop: 7661, Start Num: 126

Candidate Starts for Audell_8:

(Start: 126 @6183 has 23 MA's), (204, 6309), (224, 6330), (326, 6555), (328, 6561), (357, 6609), (375, 6645), (452, 6744), (525, 6858), (532, 6873), (549, 6912), (602, 7023), (658, 7098), (666, 7116), (667, 7119), (687, 7173), (702, 7212), (735, 7290), (740, 7305), (807, 7446), (811, 7458), (818, 7476), (845, 7530), (929, 7644),

Gene: AugsMagnumOpus_16 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for AugsMagnumOpus_16:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Auspice_15 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for Auspice_15:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: Auxilium_4 Start: 2263, Stop: 3612, Start Num: 140

Candidate Starts for Auxilium_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: AvadaKedavra_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for AvadaKedavra_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Avani_4 Start: 2180, Stop: 3604, Start Num: 123

Candidate Starts for Avani_4:

(Start: 123 @2180 has 47 MA's), (Start: 154 @2213 has 46 MA's), (192, 2267), (224, 2327), (226, 2336), (246, 2369), (258, 2402), (270, 2432), (302, 2477), (306, 2495), (316, 2519), (319, 2528), (352, 2588), (382, 2648), (388, 2657), (390, 2660), (421, 2693), (435, 2714), (460, 2756), (482, 2795), (494, 2807), (496, 2810), (531, 2867), (532, 2870), (534, 2876), (539, 2891), (556, 2921), (559, 2927), (596, 3005), (649, 3086), (671, 3140), (687, 3185), (696, 3200), (719, 3272), (739, 3317), (741, 3323), (787, 3431), (791, 3440), (797, 3449), (809, 3479), (813, 3494),

Gene: AvatarAhPeg_12 Start: 8542, Stop: 9996, Start Num: 124

Candidate Starts for AvatarAhPeg_12:

(Start: 124 @8542 has 299 MA's), (229, 8692), (233, 8704), (243, 8716), (308, 8851), (316, 8872), (324, 8902), (343, 8941), (352, 8959), (382, 9019), (476, 9148), (482, 9166), (489, 9178), (545, 9277), (549, 9283), (563, 9304), (566, 9310), (599, 9379), (663, 9484), (687, 9547), (710, 9610), (711, 9613), (735, 9664), (737, 9670), (743, 9685), (757, 9715), (798, 9805), (812, 9841), (824, 9871), (845, 9901), (917, 9982),

Gene: Avle17_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Avle17_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Avocado_3 Start: 1932, Stop: 3473, Start Num: 105

Candidate Starts for Avocado_3:

(17, 1458), (24, 1530), (26, 1545), (39, 1674), (Start: 105 @1932 has 79 MA's), (161, 2004), (164, 2007), (188, 2037), (189, 2040), (246, 2148), (270, 2211), (315, 2295), (316, 2298), (355, 2382), (380, 2427), (382, 2433), (395, 2451), (439, 2508), (442, 2514), (482, 2580), (516, 2625), (534, 2661), (549, 2694), (571, 2730), (599, 2799), (614, 2814), (649, 2871), (673, 2931), (802, 3240), (811, 3267), (821, 3291), (825, 3303), (839, 3330),

Gene: Avrafan_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Avrafan_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Awesomesauce_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for Awesomesauce_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803,

3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Axiom_8 Start: 3866, Stop: 5350, Start Num: 155

Candidate Starts for Axiom_8:

(Start: 155 @3866 has 140 MA's), (Start: 222 @3983 has 4 MA's), (246, 4031), (249, 4043), (305, 4175), (414, 4349), (444, 4388), (477, 4448), (527, 4535), (530, 4541), (534, 4553), (579, 4646), (583, 4658), (585, 4664), (645, 4811), (667, 4862), (669, 4868), (773, 5105), (813, 5204), (827, 5237), (862, 5279), (908, 5336),

Gene: Axym_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Axym_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Ayanochan_15 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Ayanochan_15:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (508, 10589), (514, 10598), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (566, 10697), (587, 10742), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Azira_7 Start: 3686, Stop: 5131, Start Num: 159

Candidate Starts for Azira_7:

(Start: 159 @3686 has 63 MA's), (Start: 179 @3698 has 2 MA's), (182, 3704), (199, 3746), (214, 3776), (255, 3854), (301, 3923), (365, 4070), (471, 4229), (488, 4259), (496, 4268), (537, 4343), (549, 4367), (552, 4373), (598, 4469), (614, 4487), (633, 4517), (649, 4553), (674, 4616), (695, 4661), (725, 4751), (734, 4766), (738, 4778), (741, 4787), (757, 4811), (787, 4880), (807, 4922), (811, 4934), (812, 4937), (844, 5003), (850, 5009),

Gene: Aziz_19 Start: 6859, Stop: 8460, Start Num: 93

Candidate Starts for Aziz_19:

(Start: 93 @6859 has 23 MA's), (215, 7048), (243, 7093), (252, 7117), (263, 7144), (266, 7150), (305, 7222), (308, 7228), (318, 7255), (319, 7258), (361, 7321), (363, 7324), (371, 7342), (466, 7459), (495, 7516), (531, 7576), (534, 7585), (555, 7630), (557, 7633), (558, 7636), (640, 7759), (659, 7795), (678, 7846), (680, 7849), (686, 7867), (697, 7879), (701, 7888), (721, 7954), (722, 7957), (735, 7981), (778, 8071), (803, 8119), (862, 8230), (914, 8302),

Gene: Azrael100_26 Start: 9734, Stop: 11173, Start Num: 132

Candidate Starts for Azrael100_26:

(Start: 110 @9701 has 11 MA's), (Start: 126 @9725 has 23 MA's), (Start: 132 @9734 has 11 MA's), (174, 9785), (182, 9797), (188, 9809), (249, 9941), (252, 9947), (253, 9950), (255, 9953), (263, 9974), (266, 9980), (304, 10040), (305, 10049), (314, 10070), (358, 10148), (482, 10328), (501, 10358), (512, 10376), (522, 10391), (535, 10418), (550, 10451), (557, 10463), (558, 10466), (580, 10511), (620, 10547), (634, 10568), (661, 10631), (682, 10682), (710, 10754), (735, 10808), (738, 10817), (778, 10898), (789, 10928), (811, 10970), (821, 10997), (855, 11048), (862, 11057), (914, 11114), (936, 11153),

Gene: AzulaCat_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for AzulaCat_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: B1_10 Start: 7830, Stop: 9296, Start Num: 127

Candidate Starts for B1_10:

(Start: 127 @7830 has 330 MA's), (163, 7875), (233, 8001), (273, 8085), (308, 8148), (320, 8181), (324, 8199), (343, 8238), (355, 8265), (480, 8454), (534, 8544), (542, 8568), (545, 8571), (549, 8577), (563, 8598), (566, 8604), (663, 8775), (710, 8901), (711, 8904), (735, 8955), (737, 8961), (743, 8976), (757, 9006), (812, 9132), (824, 9162), (845, 9192),

Gene: B22_4 Start: 2407, Stop: 3918, Start Num: 107

Candidate Starts for B22_4:

(Start: 107 @2407 has 4 MA's), (Start: 145 @2461 has 30 MA's), (184, 2506), (197, 2539), (229, 2596), (246, 2629), (264, 2677), (319, 2788), (322, 2800), (332, 2830), (348, 2851), (352, 2854), (354, 2860), (451, 3004), (461, 3025), (488, 3067), (531, 3133), (532, 3136), (535, 3145), (539, 3157), (549, 3175), (605, 3280), (658, 3346), (682, 3406), (687, 3421), (739, 3550), (740, 3553), (741, 3556), (749, 3577), (775, 3625), (779, 3637), (785, 3655), (822, 3739), (828, 3757), (860, 3793),

Gene: BABullseye_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for BABullseye_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: BEEST_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for BEEST_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (813, 4411), (828, 4447),

Gene: BENtherdunthat_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for BENtherdunthat_4:

(Start: 123 @2191 has 47 MA's), (194, 2281), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (468, 2776), (532, 2878), (534, 2884), (542, 2908), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589),

Gene: BGlluviae_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for BGlluviae_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: BK1_10 Start: 8266, Stop: 9708, Start Num: 158

Candidate Starts for BK1_10:

(109, 8200), (Start: 158 @8266 has 220 MA's), (263, 8464), (365, 8677), (482, 8872), (489, 8884), (545, 8983), (667, 9178), (682, 9217), (710, 9295), (712, 9301), (735, 9349), (739, 9361), (743, 9370), (785, 9460), (824, 9550), (845, 9583), (857, 9595),

Gene: BPBiebs31_13 Start: 8938, Stop: 10380, Start Num: 158

Candidate Starts for BPBiebs31_13:

(109, 8872), (Start: 158 @8938 has 220 MA's), (263, 9136), (365, 9349), (482, 9544), (484, 9547), (545, 9655), (584, 9727), (667, 9850), (682, 9889), (710, 9967), (712, 9973), (735, 10021), (739, 10033), (743, 10042), (785, 10132), (824, 10222), (845, 10255), (857, 10267),

Gene: BPs_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for BPs_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: BQuat_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for BQuat_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Baby16_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for Baby16_12:

(Start: 124 @8587 has 299 MA's), (229, 8734), (233, 8746), (316, 8914), (324, 8944), (343, 8983), (352, 9001), (382, 9061), (476, 9190), (482, 9208), (545, 9319), (549, 9325), (563, 9346), (566, 9352), (599, 9421), (642, 9481), (663, 9526), (710, 9652), (711, 9655), (735, 9706), (737, 9712), (743, 9727), (757, 9757), (798, 9847), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: BabyBack_15 Start: 10867, Stop: 12318, Start Num: 127

Candidate Starts for BabyBack_15:

(Start: 127 @10867 has 330 MA's), (Start: 143 @10888 has 5 MA's), (182, 10927), (233, 11032), (365, 11314), (438, 11419), (489, 11506), (534, 11578), (545, 11605), (549, 11611), (563, 11632), (735, 11977), (743, 11998), (757, 12025), (762, 12034), (789, 12100), (812, 12151), (824, 12181), (842, 12211), (867, 12235),

Gene: BabyJohn_11 Start: 8414, Stop: 9880, Start Num: 127

Candidate Starts for BabyJohn_11:

(Start: 127 @8414 has 330 MA's), (163, 8459), (233, 8585), (273, 8669), (308, 8732), (320, 8765), (324, 8783), (343, 8822), (355, 8849), (480, 9038), (508, 9080), (534, 9128), (542, 9152), (545, 9155), (549, 9161), (563, 9182), (566, 9188), (663, 9359), (710, 9485), (711, 9488), (735, 9539), (737, 9545), (743, 9560), (757, 9590), (812, 9716), (824, 9746), (845, 9776),

Gene: BabyMoney_5 Start: 2524, Stop: 3999, Start Num: 157

Candidate Starts for BabyMoney_5:

(94, 2440), (Start: 157 @2524 has 14 MA's), (226, 2647), (251, 2695), (256, 2707), (265, 2728), (305, 2803), (318, 2836), (319, 2839), (320, 2842), (324, 2860), (327, 2866), (335, 2887), (350, 2905), (359,

2923), (381, 2971), (442, 3061), (444, 3064), (531, 3226), (537, 3244), (561, 3289), (575, 3316), (583, 3340), (607, 3397), (615, 3418), (639, 3466), (649, 3490), (698, 3601), (701, 3610), (734, 3700), (751, 3739), (811, 3850), (825, 3889), (856, 3934),

Gene: BabyRay_12 Start: 8427, Stop: 9884, Start Num: 124

Candidate Starts for BabyRay_12:

(Start: 124 @8427 has 299 MA's), (233, 8592), (308, 8739), (320, 8772), (324, 8790), (355, 8856), (435, 8973), (480, 9045), (482, 9051), (534, 9135), (542, 9159), (545, 9162), (549, 9168), (563, 9189), (566, 9195), (599, 9261), (663, 9366), (711, 9495), (735, 9546), (737, 9552), (743, 9567), (812, 9723), (824, 9753), (845, 9783),

Gene: Bachita_33 Start: 10874, Stop: 12490, Start Num: 104

Candidate Starts for Bachita_33:

(Start: 104 @10874 has 19 MA's), (Start: 143 @10925 has 5 MA's), (Start: 151 @10934 has 63 MA's), (Start: 193 @10994 has 1 MA's), (Start: 222 @11051 has 4 MA's), (240, 11087), (258, 11132), (269, 11159), (365, 11363), (379, 11393), (403, 11429), (431, 11474), (435, 11483), (444, 11498), (532, 11636), (533, 11639), (539, 11657), (541, 11663), (566, 11705), (644, 11897), (675, 11984), (686, 12014), (704, 12059), (722, 12107), (730, 12122), (756, 12185), (769, 12209), (771, 12215), (775, 12224), (806, 12293), (824, 12344), (825, 12347), (829, 12359),

Gene: Bachome_13 Start: 9781, Stop: 11238, Start Num: 127

Candidate Starts for Bachome_13:

(Start: 127 @9781 has 330 MA's), (169, 9826), (182, 9841), (233, 9946), (365, 10228), (382, 10261), (489, 10417), (534, 10489), (545, 10516), (549, 10522), (563, 10543), (587, 10594), (720, 10858), (735, 10888), (743, 10909), (749, 10924), (757, 10936), (762, 10945), (802, 11032), (812, 11062), (824, 11092), (842, 11122), (908, 11188),

Gene: Backyardigan_12 Start: 8587, Stop: 10044, Start Num: 124

Candidate Starts for Backyardigan_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (382, 9064), (476, 9193), (482, 9211), (489, 9223), (508, 9247), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (743, 9730), (757, 9757), (798, 9847), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: BaconJack_14 Start: 8717, Stop: 10159, Start Num: 158

Candidate Starts for BaconJack_14:

(109, 8651), (Start: 158 @8717 has 220 MA's), (263, 8915), (365, 9128), (482, 9323), (484, 9326), (545, 9434), (584, 9506), (667, 9629), (682, 9668), (710, 9746), (712, 9752), (735, 9800), (739, 9812), (743, 9821), (785, 9911), (824, 10001), (845, 10034), (857, 10046),

Gene: Bactobuster_14 Start: 10971, Stop: 12425, Start Num: 127

Candidate Starts for Bactobuster_14:

(Start: 127 @10971 has 330 MA's), (182, 11031), (233, 11136), (298, 11250), (329, 11346), (365, 11418), (489, 11607), (534, 11679), (545, 11706), (549, 11712), (563, 11733), (587, 11784), (735, 12078), (741, 12096), (757, 12126), (762, 12135), (787, 12195), (802, 12222), (812, 12252), (824, 12282), (842, 12312), (867, 12336),

Gene: Badger_12 Start: 8576, Stop: 10033, Start Num: 124

Candidate Starts for Badger_12:

(Start: 124 @8576 has 299 MA's), (229, 8726), (233, 8738), (308, 8885), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (489, 9212), (508, 9236), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9746), (798, 9836), (812, 9872), (816, 9884), (824, 9902), (845, 9932),

Gene: Baehexic_14 Start: 9728, Stop: 11188, Start Num: 127

Candidate Starts for Baehexic_14:

(Start: 127 @9728 has 330 MA's), (182, 9788), (229, 9881), (233, 9893), (365, 10175), (382, 10208), (484, 10355), (534, 10436), (545, 10463), (549, 10469), (563, 10490), (687, 10718), (735, 10835), (743, 10856), (757, 10883), (762, 10892), (812, 11009), (824, 11039), (842, 11069), (867, 11093),

Gene: BaghaKamala_9 Start: 2999, Stop: 4555, Start Num: 83

Candidate Starts for BaghaKamala_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (175, 3098), (182, 3107), (215, 3179), (Start: 222 @3188 has 4 MA's), (232, 3212), (248, 3245), (252, 3254), (266, 3287), (305, 3356), (314, 3377), (327, 3419), (362, 3485), (369, 3500), (414, 3575), (428, 3596), (458, 3650), (522, 3770), (537, 3803), (546, 3824), (558, 3845), (575, 3875), (624, 3908), (635, 3926), (659, 3986), (666, 4004), (670, 4016), (672, 4019), (676, 4031), (677, 4034), (699, 4070), (711, 4118), (735, 4169), (741, 4187), (787, 4283), (803, 4304), (812, 4331), (813, 4340), (828, 4376), (873, 4430),

Gene: BaileyBlu_3 Start: 1963, Stop: 3396, Start Num: 123

Candidate Starts for BaileyBlu_3:

(Start: 123 @1963 has 47 MA's), (Start: 157 @1993 has 14 MA's), (182, 2020), (246, 2143), (270, 2206), (365, 2392), (482, 2563), (532, 2641), (542, 2671), (566, 2707), (574, 2722), (599, 2785), (643, 2845), (649, 2854), (655, 2872), (658, 2878), (702, 2992), (710, 3016), (739, 3082), (740, 3085), (762, 3130),

Gene: Balloona_4 Start: 2576, Stop: 4009, Start Num: 159

Candidate Starts for Balloona_4:

(Start: 159 @2576 has 63 MA's), (184, 2600), (194, 2624), (255, 2744), (257, 2750), (276, 2786), (302, 2822), (306, 2840), (319, 2873), (326, 2897), (365, 2966), (382, 2999), (489, 3155), (525, 3206), (537, 3236), (549, 3260), (574, 3302), (602, 3371), (645, 3437), (674, 3509), (741, 3680), (762, 3713), (787, 3773), (798, 3794), (811, 3827), (835, 3887), (836, 3890), (923, 4001),

Gene: BananenDer11_7 Start: 2765, Stop: 4300, Start Num: 83

Candidate Starts for BananenDer11_7:

(Start: 83 @2765 has 142 MA's), (Start: 154 @2837 has 46 MA's), (182, 2873), (186, 2882), (201, 2927), (248, 3011), (253, 3023), (266, 3053), (281, 3071), (305, 3122), (319, 3158), (327, 3185), (356, 3236), (359, 3239), (362, 3245), (369, 3260), (370, 3263), (414, 3335), (428, 3356), (444, 3386), (473, 3431), (495, 3485), (522, 3530), (537, 3563), (555, 3599), (557, 3602), (558, 3605), (624, 3668), (635, 3686), (637, 3692), (666, 3764), (670, 3776), (672, 3779), (677, 3794), (701, 3839), (702, 3854), (709, 3875), (734, 3929), (735, 3932), (741, 3950), (749, 3965), (780, 4031), (787, 4046), (803, 4067), (809, 4085), (813, 4103), (828, 4139), (899, 4226),

Gene: BangNhom_11 Start: 8555, Stop: 10006, Start Num: 124

Candidate Starts for BangNhom_11:

(Start: 124 @8555 has 299 MA's), (233, 8714), (316, 8882), (324, 8912), (343, 8951), (352, 8969), (382, 9029), (476, 9158), (482, 9176), (545, 9287), (549, 9293), (563, 9314), (566, 9320), (599, 9389), (642, 9449), (710, 9620), (711, 9623), (735, 9674), (737, 9680), (743, 9695), (757, 9725), (798, 9815), (812, 9851), (816, 9863), (824, 9881), (845, 9911),

Gene: Bantam_13 Start: 7834, Stop: 9393, Start Num: 102

Candidate Starts for Bantam_13:

(Start: 102 @7834 has 24 MA's), (240, 8050), (258, 8095), (309, 8200), (365, 8299), (366, 8302), (379, 8329), (424, 8398), (507, 8533), (532, 8566), (533, 8569), (541, 8593), (617, 8764), (651, 8839), (672, 8902), (686, 8941), (705, 8989), (713, 9013), (741, 9076), (774, 9148), (779, 9163), (806, 9220), (820, 9259), (824, 9271), (825, 9274), (831, 9289), (835, 9298),

Gene: Baoshan_4 Start: 2470, Stop: 4125, Start Num: 131

Candidate Starts for Baoshan_4:

(Start: 131 @2470 has 70 MA's), (182, 2533), (219, 2611), (253, 2680), (263, 2704), (266, 2710), (305, 2782), (319, 2818), (327, 2845), (367, 2896), (441, 2989), (469, 3028), (492, 3085), (495, 3091), (501, 3103), (506, 3112), (510, 3118), (512, 3121), (527, 3142), (535, 3163), (537, 3169), (557, 3208), (622, 3304), (638, 3331), (682, 3439), (684, 3445), (720, 3538), (734, 3565), (767, 3628), (775, 3649), (782, 3670), (799, 3697), (803, 3706), (824, 3766), (840, 3796), (849, 3805), (855, 3811), (919, 3901), (925, 3913), (938, 3946), (945, 3985), (956, 4090),

Gene: Barkley26_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Barkley26_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Barnstormer_3 Start: 2379, Stop: 3758, Start Num: 148

Candidate Starts for Barnstormer_3:

(3, 1500), (4, 1521), (12, 1644), (30, 1959), (Start: 148 @2379 has 57 MA's), (Start: 222 @2499 has 4 MA's), (561, 3087), (697, 3348), (701, 3357), (767, 3504), (778, 3534), (812, 3609),

Gene: BarrelRoll_9 Start: 3020, Stop: 4573, Start Num: 83

Candidate Starts for BarrelRoll_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3119), (182, 3128), (215, 3200), (Start: 222 @3209 has 4 MA's), (232, 3233), (248, 3266), (252, 3275), (266, 3308), (305, 3377), (314, 3398), (327, 3440), (362, 3506), (369, 3521), (414, 3596), (428, 3617), (458, 3671), (522, 3791), (537, 3824), (546, 3845), (558, 3866), (575, 3896), (624, 3929), (635, 3947), (659, 4007), (666, 4025), (670, 4037), (672, 4040), (676, 4052), (677, 4055), (699, 4091), (711, 4139), (735, 4190), (741, 4208), (787, 4304), (803, 4325), (812, 4352), (813, 4361), (828, 4397),

Gene: Barriga_12 Start: 8542, Stop: 9984, Start Num: 158

Candidate Starts for Barriga_12:

(109, 8476), (Start: 158 @8542 has 220 MA's), (263, 8740), (365, 8953), (482, 9148), (545, 9259), (584, 9331), (667, 9454), (682, 9493), (710, 9571), (712, 9577), (735, 9625), (739, 9637), (743, 9646), (785, 9736), (824, 9826), (845, 9859), (857, 9871),

Gene: BarrowTuph_11 Start: 8589, Stop: 10031, Start Num: 158

Candidate Starts for BarrowTuph_11:

(109, 8523), (Start: 158 @8589 has 220 MA's), (263, 8787), (365, 9000), (482, 9195), (489, 9207), (545, 9306), (584, 9378), (667, 9501), (682, 9540), (710, 9618), (712, 9624), (735, 9672), (739, 9684), (743, 9693), (785, 9783), (824, 9873), (845, 9906), (857, 9918),

Gene: BarryBee_9 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for BarryBee_9:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: BartholomewSD_9 Start: 4026, Stop: 5492, Start Num: 155

Candidate Starts for BartholomewSD_9:

(Start: 155 @4026 has 140 MA's), (Start: 222 @4137 has 4 MA's), (246, 4185), (249, 4197), (266, 4236), (305, 4326), (412, 4497), (414, 4500), (432, 4521), (444, 4539), (458, 4566), (530, 4692), (534, 4704), (573, 4779), (579, 4797), (585, 4815), (589, 4824), (620, 4905), (645, 4962), (667, 5013), (669, 5019), (689, 5070), (741, 5199), (773, 5256), (812, 5346), (813, 5355), (894, 5460), (908, 5478),

Gene: Bartimeaus_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Bartimeaus_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: BasketStar_4 Start: 2275, Stop: 3606, Start Num: 155

Candidate Starts for BasketStar_4:

(Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (161, 2284), (224, 2386), (229, 2398), (301, 2539), (316, 2584), (321, 2599), (327, 2620), (355, 2656), (365, 2674), (418, 2755), (450, 2800), (498, 2878), (541, 2959), (549, 2971), (551, 2974), (565, 2998), (585, 3040), (660, 3151), (667, 3166), (679, 3196), (713, 3292), (824, 3532), (825, 3535), (828, 3541), (877, 3592),

Gene: Batiatus_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Batiatus_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Battleship_16 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for Battleship_16:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: Baudelaire_5 Start: 2394, Stop: 3842, Start Num: 121

Candidate Starts for Baudelaire_5:

(Start: 111 @2379 has 1 MA's), (Start: 121 @2394 has 32 MA's), (135, 2415), (Start: 140 @2421 has 4 MA's), (196, 2505), (237, 2586), (243, 2595), (249, 2613), (252, 2619), (253, 2622), (266, 2652), (303, 2712), (305, 2724), (314, 2745), (319, 2760), (326, 2784), (335, 2805), (363, 2829), (409, 2904), (413, 2910), (441, 2931), (469, 2970), (483, 3006), (495, 3027), (506, 3048), (510, 3054), (512, 3057), (517, 3063), (554, 3138), (582, 3198), (675, 3354), (682, 3372), (686, 3384), (687, 3387), (697, 3399), (701, 3408), (702, 3423), (720, 3471), (735, 3501), (737, 3507), (799, 3630), (801, 3633), (803, 3639), (812, 3666), (821, 3690), (824, 3699), (829, 3714), (840, 3729), (846, 3735), (849, 3738), (852, 3741),

Gene: Bauer_5 Start: 3001, Stop: 4440, Start Num: 127

Candidate Starts for Bauer_5:

(Start: 127 @3001 has 330 MA's), (141, 3016), (182, 3061), (198, 3100), (201, 3115), (236, 3166), (246, 3184), (255, 3208), (288, 3268), (313, 3325), (322, 3355), (398, 3490), (422, 3508), (456, 3547), (532, 3673), (537, 3688), (542, 3703), (574, 3754), (597, 3811), (666, 3931), (674, 3952), (675, 3955), (684, 3979), (707, 4051), (715, 4072), (723, 4087), (727, 4096), (736, 4114), (739, 4123), (747, 4150), (762, 4171), (770, 4186), (787, 4231), (807, 4270), (809, 4276), (813, 4291), (824, 4315), (889, 4396),

Gene: Bavilard_5 Start: 3352, Stop: 4785, Start Num: 159

Candidate Starts for Bavilard_5:

(Start: 159 @3352 has 63 MA's), (184, 3376), (255, 3520), (257, 3526), (276, 3562), (302, 3598), (306, 3616), (319, 3649), (326, 3673), (365, 3742), (382, 3775), (489, 3931), (525, 3982), (537, 4012), (549, 4036), (574, 4078), (602, 4147), (618, 4165), (645, 4213), (674, 4285), (741, 4456), (762, 4489), (787, 4549), (798, 4570), (811, 4603), (835, 4663), (836, 4666), (923, 4777),

Gene: Bazzle_5 Start: 2579, Stop: 4234, Start Num: 131

Candidate Starts for Bazzle_5:

(Start: 131 @2579 has 70 MA's), (182, 2642), (189, 2657), (196, 2675), (219, 2720), (253, 2789), (263, 2813), (266, 2819), (305, 2891), (319, 2927), (327, 2954), (367, 3005), (441, 3098), (469, 3137), (492, 3194), (495, 3200), (501, 3212), (506, 3221), (510, 3227), (512, 3230), (527, 3251), (535, 3272), (537, 3278), (557, 3317), (582, 3371), (638, 3440), (682, 3548), (684, 3554), (720, 3647), (734, 3674), (767, 3737), (775, 3758), (782, 3779), (799, 3806), (803, 3815), (824, 3875), (840, 3905), (849, 3914), (855, 3920), (919, 4010), (925, 4022), (938, 4055), (945, 4094), (956, 4199),

Gene: Beakin_4 Start: 2199, Stop: 3623, Start Num: 151

Candidate Starts for Beakin_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Beanstalk_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Beanstalk_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: BearBQ_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for BearBQ_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (242, 2342), (246, 2351), (247, 2354), (300, 2441), (301, 2444), (319, 2498), (335, 2546), (348, 2561), (355, 2573), (368, 2597), (390, 2636), (435, 2687), (447, 2705), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (542, 2873), (549, 2882), (575, 2927), (583, 2945), (587, 2954), (631, 3023), (647, 3065), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: BeardedLady_8 Start: 4328, Stop: 5770, Start Num: 155

Candidate Starts for BeardedLady_8:

(Start: 142 @4319 has 1 MA's), (Start: 144 @4322 has 15 MA's), (Start: 155 @4328 has 140 MA's), (Start: 222 @4445 has 4 MA's), (246, 4493), (412, 4811), (444, 4853), (458, 4880), (477, 4913), (530, 5006), (534, 5018), (579, 5111), (629, 5189), (645, 5234), (669, 5291), (678, 5315), (773, 5528), (908, 5756),

Gene: Beatrix_11 Start: 9382, Stop: 10824, Start Num: 158

Candidate Starts for Beatrix_11:

(109, 9316), (Start: 158 @9382 has 220 MA's), (263, 9580), (365, 9793), (482, 9988), (489, 10000), (545, 10099), (667, 10294), (682, 10333), (710, 10411), (712, 10417), (735, 10465), (739, 10477), (743, 10486), (785, 10576), (824, 10666), (845, 10699), (857, 10711),

Gene: Beaupre_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Beaupre_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690), (949, 3804),

Gene: Beauxregard13_14 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for Beauxregard13_14:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: BeeGee_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for BeeGee_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (298, 2557), (314, 2605), (442, 2815), (484, 2884), (489, 2893), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: Beelzebub_40 Start: 13158, Stop: 14723, Start Num: 76

Candidate Starts for Beelzebub_40:

(Start: 76 @13158 has 19 MA's), (165, 13275), (231, 13395), (255, 13440), (258, 13449), (308, 13539), (323, 13587), (324, 13590), (353, 13632), (355, 13635), (368, 13659), (423, 13731), (425, 13734), (450, 13773), (460, 13794), (462, 13797), (488, 13842), (539, 13932), (542, 13941), (549, 13950), (574, 13992), (575, 13995), (592, 14034), (619, 14076), (625, 14082), (628, 14085), (647, 14130), (674, 14199), (710, 14298), (714, 14310), (763, 14409), (789, 14475), (802, 14496), (807, 14511), (856, 14604), (870, 14619),

Gene: Beemo_14 Start: 9927, Stop: 11414, Start Num: 127

Candidate Starts for Beemo_14:

(Start: 127 @9927 has 330 MA's), (182, 9990), (233, 10095), (266, 10164), (329, 10305), (349, 10344), (365, 10377), (382, 10410), (400, 10431), (482, 10554), (508, 10590), (514, 10599), (534, 10638), (545, 10665), (549, 10671), (563, 10692), (587, 10743), (605, 10767), (624, 10782), (735, 11037), (741, 11055), (757, 11085), (758, 11088), (762, 11094), (810, 11205), (812, 11211), (824, 11241), (857, 11286), (867, 11295),

Gene: BeesKnees_13 Start: 8740, Stop: 10182, Start Num: 158

Candidate Starts for BeesKnees_13:

(109, 8674), (Start: 158 @8740 has 220 MA's), (263, 8938), (365, 9151), (482, 9346), (489, 9358), (545, 9457), (584, 9529), (667, 9652), (682, 9691), (710, 9769), (712, 9775), (735, 9823), (739, 9835), (743, 9844), (762, 9877), (785, 9934), (824, 10024), (845, 10057), (857, 10069),

Gene: Beezoo_9 Start: 3049, Stop: 4605, Start Num: 83

Candidate Starts for Beezoo_9:

(46, 2947), (Start: 75 @3034 has 32 MA's), (Start: 83 @3049 has 142 MA's), (175, 3148), (182, 3157), (215, 3229), (Start: 222 @3238 has 4 MA's), (232, 3262), (243, 3280), (248, 3295), (252, 3304), (266, 3337), (305, 3406), (314, 3427), (327, 3469), (362, 3535), (414, 3625), (428, 3646), (458, 3700), (522,

3820), (537, 3853), (546, 3874), (558, 3895), (575, 3925), (624, 3958), (635, 3976), (659, 4036), (666, 4054), (670, 4066), (672, 4069), (676, 4081), (677, 4084), (699, 4120), (711, 4168), (735, 4219), (741, 4237), (787, 4333), (803, 4354), (812, 4381), (813, 4390), (828, 4426),

Gene: Belenaria_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Belenaria_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Bella96_9 Start: 2978, Stop: 4525, Start Num: 83

Candidate Starts for Bella96_9:

(46, 2876), (Start: 75 @2963 has 32 MA's), (Start: 83 @2978 has 142 MA's), (175, 3074), (182, 3083), (186, 3092), (215, 3155), (Start: 222 @3164 has 4 MA's), (232, 3188), (248, 3221), (266, 3263), (305, 3332), (314, 3353), (324, 3389), (362, 3458), (368, 3470), (414, 3548), (428, 3569), (444, 3599), (458, 3623), (522, 3743), (537, 3776), (546, 3797), (558, 3818), (575, 3848), (624, 3881), (635, 3899), (666, 3977), (670, 3989), (672, 3992), (676, 4004), (677, 4007), (699, 4043), (711, 4091), (735, 4142), (741, 4160), (787, 4256), (803, 4277), (812, 4304), (813, 4313), (873, 4403),

Gene: BellaJr_5 Start: 3014, Stop: 4447, Start Num: 127

Candidate Starts for BellaJr_5:

(Start: 121 @3005 has 32 MA's), (Start: 127 @3014 has 330 MA's), (182, 3074), (188, 3086), (198, 3113), (236, 3179), (245, 3194), (255, 3221), (272, 3263), (288, 3281), (313, 3338), (327, 3383), (398, 3503), (442, 3545), (466, 3578), (479, 3599), (532, 3686), (537, 3701), (542, 3716), (666, 3944), (674, 3965), (707, 4064), (710, 4070), (723, 4100), (739, 4136), (747, 4163), (752, 4175), (770, 4199), (809, 4289), (824, 4328), (866, 4379), (889, 4409), (907, 4439),

Gene: Belladonna_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Belladonna_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Bellis_6 Start: 2752, Stop: 4395, Start Num: 131

Candidate Starts for Bellis_6:

(Start: 131 @2752 has 70 MA's), (178, 2812), (253, 2962), (266, 2992), (305, 3064), (328, 3130), (367, 3178), (441, 3271), (469, 3310), (492, 3367), (495, 3373), (510, 3400), (517, 3409), (527, 3424), (638, 3613), (652, 3646), (668, 3685), (684, 3727), (767, 3910), (782, 3952), (799, 3979), (803, 3988), (824, 4048), (840, 4078), (849, 4087), (908, 4162), (925, 4195),

Gene: Bellris_11 Start: 7969, Stop: 9453, Start Num: 127

Candidate Starts for Bellris_11:

(Start: 127 @7969 has 330 MA's), (182, 8029), (225, 8116), (233, 8134), (329, 8344), (365, 8416), (402, 8473), (466, 8560), (482, 8593), (508, 8629), (514, 8638), (534, 8677), (545, 8704), (549, 8710), (563, 8731), (566, 8737), (587, 8782), (624, 8821), (735, 9079), (741, 9097), (757, 9127), (762, 9136), (810, 9247), (812, 9253), (824, 9283), (857, 9328), (867, 9337),

Gene: BellusTerra_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for BellusTerra_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: BenchScraper_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for BenchScraper_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (585, 3046), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Benedict_10 Start: 7766, Stop: 9199, Start Num: 127

Candidate Starts for Benedict_10:

(Start: 127 @7766 has 330 MA's), (225, 7895), (247, 7934), (252, 7949), (329, 8123), (343, 8150), (449, 8309), (484, 8375), (488, 8381), (489, 8384), (534, 8456), (549, 8489), (563, 8510), (573, 8528), (577, 8540), (710, 8801), (735, 8855), (741, 8873), (762, 8912), (812, 9029), (824, 9059), (842, 9089), (857, 9104), (867, 9113),

Gene: BengiVuitton_14 Start: 9652, Stop: 11112, Start Num: 127

Candidate Starts for BengiVuitton_14:

(Start: 127 @9652 has 330 MA's), (182, 9712), (233, 9817), (355, 10081), (365, 10099), (382, 10132), (466, 10243), (545, 10387), (549, 10393), (563, 10414), (566, 10420), (587, 10465), (675, 10609), (709, 10702), (720, 10729), (735, 10759), (741, 10777), (743, 10780), (757, 10807), (762, 10816), (812, 10933), (818, 10948), (824, 10963), (842, 10993), (867, 11017),

Gene: BennyP_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for BennyP_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: Benvolio_13 Start: 9325, Stop: 10788, Start Num: 127

Candidate Starts for Benvolio_13:

(Start: 127 @9325 has 330 MA's), (182, 9385), (233, 9490), (355, 9754), (365, 9772), (382, 9805), (386, 9811), (545, 10060), (549, 10066), (563, 10087), (566, 10093), (587, 10138), (675, 10282), (710, 10378), (735, 10432), (741, 10450), (743, 10453), (757, 10480), (762, 10489), (812, 10606), (818, 10621), (824, 10636), (842, 10666), (867, 10690),

Gene: Bern_9 Start: 3001, Stop: 4563, Start Num: 75

Candidate Starts for Bern_9:

(22, 2605), (38, 2773), (46, 2914), (Start: 75 @3001 has 32 MA's), (Start: 83 @3016 has 142 MA's), (175, 3112), (182, 3121), (Start: 222 @3202 has 4 MA's), (232, 3226), (248, 3259), (252, 3268), (266, 3301), (305, 3370), (369, 3511), (414, 3586), (428, 3607), (444, 3637), (501, 3748), (522, 3781), (537, 3814), (546, 3835), (558, 3856), (575, 3886), (624, 3919), (635, 3937), (666, 4015), (670, 4027), (672, 4030), (676, 4042), (677, 4045), (699, 4081), (711, 4129), (735, 4180), (741, 4198), (787, 4294), (803, 4315), (812, 4342), (813, 4351), (828, 4387),

Gene: Bernal13_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for Bernal13_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: Berrie_3 Start: 2262, Stop: 3638, Start Num: 148

Candidate Starts for Berrie_3:

(28, 1836), (50, 2082), (Start: 148 @2262 has 57 MA's), (Start: 222 @2382 has 4 MA's), (266, 2481), (421, 2745), (580, 3018), (675, 3177), (699, 3225), (705, 3255), (713, 3279), (799, 3453), (803, 3462), (864, 3573),

Gene: Bethlehem_12 Start: 9968, Stop: 11410, Start Num: 158

Candidate Starts for Bethlehem_12:

(109, 9902), (Start: 158 @9968 has 220 MA's), (263, 10166), (365, 10379), (482, 10574), (489, 10586), (545, 10685), (584, 10757), (667, 10880), (682, 10919), (710, 10997), (712, 11003), (735, 11051), (739, 11063), (743, 11072), (762, 11105), (785, 11162), (824, 11252), (845, 11285), (857, 11297),

Gene: Bexan_11 Start: 9382, Stop: 10824, Start Num: 158

Candidate Starts for Bexan_11:

(109, 9316), (Start: 158 @9382 has 220 MA's), (263, 9580), (365, 9793), (482, 9988), (489, 10000), (545, 10099), (667, 10294), (682, 10333), (710, 10411), (712, 10417), (735, 10465), (739, 10477), (743, 10486), (785, 10576), (824, 10666), (845, 10699), (857, 10711),

Gene: Bhageatrice_6 Start: 3470, Stop: 4807, Start Num: 155

Candidate Starts for Bhageatrice_6:

(68, 3350), (Start: 69 @3353 has 1 MA's), (89, 3392), (92, 3395), (Start: 102 @3407 has 24 MA's), (Start: 129 @3443 has 6 MA's), (Start: 140 @3458 has 4 MA's), (Start: 155 @3470 has 140 MA's), (190, 3518), (224, 3581), (229, 3593), (353, 3851), (382, 3908), (418, 3956), (480, 4052), (489, 4070), (498, 4079), (541, 4160), (549, 4172), (551, 4175), (565, 4199), (585, 4241), (667, 4367), (687, 4421), (710, 4484), (734, 4535), (738, 4547), (758, 4586), (787, 4652), (824, 4733), (825, 4736), (828, 4742), (877, 4793),

Gene: BiPauneto_28 Start: 13790, Stop: 15412, Start Num: 84

Candidate Starts for BiPauneto_28:

(Start: 84 @13790 has 7 MA's), (Start: 121 @13835 has 32 MA's), (Start: 140 @13859 has 4 MA's), (Start: 148 @13868 has 57 MA's), (460, 14474), (496, 14519), (570, 14651), (581, 14681), (633, 14762), (667, 14858), (678, 14888), (684, 14903), (735, 15026), (738, 15035), (750, 15071), (759, 15095), (788, 15161), (799, 15179), (803, 15188), (818, 15233),

Gene: BiancaTri92_15 Start: 11002, Stop: 12465, Start Num: 127

Candidate Starts for BiancaTri92_15:

(Start: 127 @11002 has 330 MA's), (182, 11062), (233, 11167), (324, 11365), (365, 11449), (382, 11482), (534, 11710), (545, 11737), (549, 11743), (563, 11764), (587, 11815), (735, 12109), (741, 12127), (743, 12130), (757, 12157), (762, 12166), (812, 12283), (824, 12313), (842, 12343), (867, 12367),

Gene: Big3_12 Start: 9325, Stop: 10767, Start Num: 158

Candidate Starts for Big3_12:

(109, 9259), (Start: 158 @9325 has 220 MA's), (263, 9523), (365, 9736), (482, 9931), (484, 9934), (545, 10042), (667, 10237), (682, 10276), (710, 10354), (712, 10360), (735, 10408), (739, 10420), (743, 10429), (785, 10519), (824, 10609), (845, 10642), (857, 10654),

Gene: BigCheese_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for BigCheese_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: BigChungus_4 Start: 2601, Stop: 4034, Start Num: 159

Candidate Starts for BigChungus_4:

(Start: 159 @2601 has 63 MA's), (184, 2625), (194, 2649), (255, 2769), (257, 2775), (276, 2811), (302, 2847), (306, 2865), (319, 2898), (326, 2922), (365, 2991), (382, 3024), (489, 3180), (525, 3231), (537, 3261), (549, 3285), (574, 3327), (602, 3396), (645, 3462), (674, 3534), (687, 3570), (741, 3705), (762, 3738), (787, 3798), (798, 3819), (811, 3852), (835, 3912), (836, 3915), (923, 4026),

Gene: BigMau_14 Start: 8906, Stop: 10348, Start Num: 158

Candidate Starts for BigMau_14:

(109, 8840), (Start: 158 @8906 has 220 MA's), (263, 9104), (365, 9317), (482, 9512), (484, 9515), (545, 9623), (584, 9695), (667, 9818), (682, 9857), (710, 9935), (712, 9941), (735, 9989), (739, 10001), (743, 10010), (785, 10100), (824, 10190), (845, 10223), (857, 10235),

Gene: BigPaolini_13 Start: 9331, Stop: 10773, Start Num: 158

Candidate Starts for BigPaolini_13:

(109, 9265), (Start: 158 @9331 has 220 MA's), (263, 9529), (365, 9742), (482, 9937), (489, 9949), (545, 10048), (667, 10243), (682, 10282), (710, 10360), (712, 10366), (735, 10414), (739, 10426), (743, 10435), (762, 10468), (824, 10615), (845, 10648), (857, 10660),

Gene: BigPhil_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for BigPhil_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Bigchungi_12 Start: 8409, Stop: 9851, Start Num: 158

Candidate Starts for Bigchungi_12:

(109, 8343), (Start: 158 @8409 has 220 MA's), (263, 8607), (365, 8820), (482, 9015), (545, 9126), (584, 9198), (667, 9321), (682, 9360), (710, 9438), (712, 9444), (735, 9492), (739, 9504), (743, 9513), (785, 9603), (824, 9693), (845, 9726), (857, 9738),

Gene: Bigflo_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Bigflo_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Bigfoot_11 Start: 8430, Stop: 9872, Start Num: 158

Candidate Starts for Bigfoot_11:

(109, 8364), (Start: 158 @8430 has 220 MA's), (263, 8628), (365, 8841), (482, 9036), (489, 9048), (545, 9147), (667, 9342), (682, 9381), (710, 9459), (712, 9465), (735, 9513), (739, 9525), (743, 9534), (785, 9624), (824, 9714), (845, 9747), (857, 9759),

Gene: Binglebops_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Binglebops_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: BillDoor_7 Start: 2791, Stop: 4245, Start Num: 159

Candidate Starts for BillDoor_7:

(Start: 159 @2791 has 63 MA's), (184, 2815), (242, 2929), (246, 2938), (297, 3019), (301, 3037), (322, 3103), (365, 3184), (466, 3331), (489, 3373), (525, 3424), (537, 3454), (545, 3472), (549, 3478), (663, 3706), (674, 3733), (687, 3769), (718, 3853), (730, 3877), (800, 4021), (807, 4039), (811, 4051), (812, 4054), (835, 4111), (836, 4114), (923, 4222),

Gene: BillKnuckles_13 Start: 9350, Stop: 10816, Start Num: 127

Candidate Starts for BillKnuckles_13:

(Start: 127 @9350 has 330 MA's), (233, 9500), (329, 9740), (355, 9794), (370, 9824), (382, 9845), (449, 9926), (482, 9989), (545, 10100), (549, 10106), (563, 10127), (605, 10202), (624, 10217), (687, 10358), (735, 10475), (741, 10493), (762, 10532), (812, 10649), (824, 10679), (829, 10691),

Gene: BillyTP_4 Start: 2275, Stop: 3606, Start Num: 155

Candidate Starts for BillyTP_4:

(Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (161, 2284), (224, 2386), (229, 2398), (301, 2539), (316, 2584), (321, 2599), (327, 2620), (355, 2656), (365, 2674), (418, 2755), (450, 2800), (498, 2878), (541, 2959), (549, 2971), (551, 2974), (565, 2998), (585, 3040), (660, 3151), (667, 3166), (679, 3196), (713, 3292), (802, 3472), (824, 3532), (825, 3535), (828, 3541), (877, 3592),

Gene: Bimmel_49 Start: 26950, Stop: 28374, Start Num: 136

Candidate Starts for Bimmel_49:

(Start: 136 @26950 has 3 MA's), (218, 27082), (255, 27163), (263, 27184), (273, 27205), (319, 27298), (327, 27325), (365, 27379), (559, 27655), (569, 27670), (586, 27706), (630, 27769), (647, 27802), (663, 27844), (666, 27850), (669, 27859), (675, 27874), (688, 27913), (718, 27991), (720, 27994), (735, 28024), (741, 28042), (743, 28045), (793, 28147), (827, 28222), (842, 28249), (849, 28255),

Gene: Bipolar_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Bipolar_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Bircsak_12 Start: 8891, Stop: 10333, Start Num: 158

Candidate Starts for Bircsak_12:

(109, 8825), (Start: 158 @8891 has 220 MA's), (263, 9089), (365, 9302), (482, 9497), (489, 9509), (545, 9608), (667, 9803), (682, 9842), (710, 9920), (712, 9926), (734, 9971), (735, 9974), (739, 9986), (743, 9995), (785, 10085), (824, 10175), (845, 10208), (857, 10220),

Gene: Birdsong_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for Birdsong_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (242, 2342), (246, 2351), (247, 2354), (300, 2441), (301, 2444), (319, 2498), (335, 2546), (348, 2561), (355, 2573), (368, 2597), (390, 2636), (435, 2687), (447, 2705), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (542, 2873), (549, 2882), (575, 2927), (583, 2945), (587, 2954), (631, 3023), (647, 3065), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: Biskit_6 Start: 2786, Stop: 4240, Start Num: 159

Candidate Starts for Biskit_6:

(Start: 159 @2786 has 63 MA's), (184, 2810), (242, 2924), (246, 2933), (320, 3089), (322, 3098), (365, 3179), (466, 3326), (489, 3368), (537, 3449), (545, 3467), (549, 3473), (601, 3581), (663, 3701), (674, 3728), (687, 3764), (730, 3872), (739, 3893), (800, 4016), (811, 4046), (835, 4106), (836, 4109), (923, 4217),

Gene: BlackSpider_3 Start: 2013, Stop: 3449, Start Num: 127

Candidate Starts for BlackSpider_3:

(Start: 121 @2004 has 32 MA's), (Start: 127 @2013 has 330 MA's), (Start: 160 @2049 has 1 MA's), (182, 2073), (236, 2178), (246, 2196), (255, 2220), (288, 2280), (313, 2337), (322, 2367), (353, 2424), (395, 2499), (532, 2685), (537, 2700), (539, 2706), (542, 2715), (648, 2898), (652, 2910), (666, 2943), (674, 2964), (675, 2967), (707, 3063), (711, 3072), (723, 3099), (739, 3135), (747, 3162), (762, 3183), (770, 3198), (809, 3288), (824, 3327), (866, 3378), (889, 3408), (904, 3432),

Gene: Blackbeetle_36 Start: 12177, Stop: 13742, Start Num: 76

Candidate Starts for Blackbeetle_36:

(Start: 76 @12177 has 19 MA's), (165, 12294), (231, 12414), (255, 12459), (258, 12468), (308, 12558), (323, 12606), (324, 12609), (353, 12651), (355, 12654), (368, 12678), (423, 12750), (425, 12753), (450, 12792), (460, 12813), (462, 12816), (488, 12861), (539, 12951), (542, 12960), (549, 12969), (574, 13011), (575, 13014), (592, 13053), (619, 13095), (625, 13101), (628, 13104), (647, 13149), (674, 13218), (710, 13317), (714, 13329), (763, 13428), (789, 13494), (802, 13515), (807, 13530), (856, 13623), (870, 13638),

Gene: Blackflame_12 Start: 8418, Stop: 9860, Start Num: 158

Candidate Starts for Blackflame_12:

(109, 8352), (Start: 158 @8418 has 220 MA's), (263, 8616), (365, 8829), (482, 9024), (489, 9036), (545, 9135), (667, 9330), (682, 9369), (710, 9447), (712, 9453), (735, 9501), (739, 9513), (743, 9522), (785, 9612), (824, 9702), (845, 9735), (857, 9747),

Gene: Blackmoor_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Blackmoor_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Blarby_5 Start: 2705, Stop: 4129, Start Num: 123

Candidate Starts for Blarby_5:

(Start: 123 @2705 has 47 MA's), (Start: 154 @2738 has 46 MA's), (192, 2792), (224, 2852), (226, 2861), (258, 2927), (270, 2957), (301, 2999), (302, 3002), (306, 3020), (316, 3044), (319, 3053), (352, 3113), (382, 3173), (388, 3182), (390, 3185), (421, 3218), (435, 3239), (460, 3281), (482, 3320), (494, 3332), (496, 3335), (531, 3392), (532, 3395), (534, 3401), (539, 3416), (556, 3446), (559, 3452), (596, 3530), (649, 3611), (671, 3665), (687, 3710), (696, 3725), (719, 3797), (739, 3842), (741, 3848), (787, 3956), (791, 3965), (797, 3974), (809, 4004), (813, 4019), (825, 4046),

Gene: BlessJoy_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for BlessJoy_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: Blessor_12 Start: 8995, Stop: 10437, Start Num: 158

Candidate Starts for Blessor_12:

(109, 8929), (Start: 158 @8995 has 220 MA's), (263, 9193), (365, 9406), (370, 9418), (382, 9442), (482, 9601), (489, 9613), (545, 9712), (667, 9907), (682, 9946), (710, 10024), (712, 10030), (735, 10078), (739, 10090), (743, 10099), (762, 10132), (785, 10189), (824, 10279), (845, 10312), (857, 10324),

Gene: Blexus_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Blexus_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Blinn1_16 Start: 9317, Stop: 10780, Start Num: 127

Candidate Starts for Blinn1_16:

(Start: 127 @9317 has 330 MA's), (Start: 143 @9338 has 5 MA's), (182, 9377), (225, 9464), (230, 9476), (233, 9482), (365, 9764), (504, 9977), (534, 10028), (545, 10055), (549, 10061), (563, 10082), (743, 10448), (757, 10475), (762, 10484), (787, 10544), (812, 10601), (824, 10631), (842, 10661), (867, 10685), (870, 10688),

Gene: Blizzard_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Blizzard_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Blondies_6 Start: 2787, Stop: 4241, Start Num: 159

Candidate Starts for Blondies_6:

(Start: 159 @2787 has 63 MA's), (184, 2811), (242, 2925), (246, 2934), (320, 3090), (322, 3099), (365, 3180), (489, 3369), (537, 3450), (545, 3468), (549, 3474), (663, 3702), (674, 3729), (687, 3765), (730, 3873), (739, 3894), (800, 4017), (811, 4047), (835, 4107), (836, 4110), (923, 4218),

Gene: BluSpix_12 Start: 8690, Stop: 10132, Start Num: 158

Candidate Starts for BluSpix_12:

(109, 8624), (Start: 158 @8690 has 220 MA's), (263, 8888), (365, 9101), (482, 9296), (545, 9407), (584, 9479), (667, 9602), (682, 9641), (710, 9719), (712, 9725), (735, 9773), (739, 9785), (743, 9794), (785, 9884), (824, 9974), (845, 10007), (857, 10019),

Gene: Blue_12 Start: 8797, Stop: 10239, Start Num: 158

Candidate Starts for Blue_12:

(109, 8731), (Start: 158 @8797 has 220 MA's), (263, 8995), (365, 9208), (482, 9403), (489, 9415), (545, 9514), (584, 9586), (667, 9709), (682, 9748), (710, 9826), (712, 9832), (735, 9880), (739, 9892), (743, 9901), (785, 9991), (824, 10081), (845, 10114), (857, 10126),

Gene: Blue7_16 Start: 9258, Stop: 10724, Start Num: 127

Candidate Starts for Blue7_16:

(Start: 127 @9258 has 330 MA's), (Start: 143 @9279 has 5 MA's), (182, 9318), (225, 9405), (230, 9417), (233, 9423), (365, 9705), (400, 9759), (504, 9918), (534, 9969), (545, 9996), (549, 10002), (563, 10023), (682, 10236), (743, 10389), (749, 10404), (757, 10416), (762, 10425), (789, 10491), (802, 10512), (812, 10542), (824, 10572), (842, 10602),

Gene: BlueBird_13 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for BlueBird_13:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: BlueCrab_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for BlueCrab_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: BlueShadow_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for BlueShadow_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Bluefalcon_9 Start: 8017, Stop: 9450, Start Num: 127

Candidate Starts for Bluefalcon_9:

(Start: 127 @8017 has 330 MA's), (225, 8146), (229, 8152), (266, 8233), (329, 8374), (343, 8401), (382, 8479), (449, 8560), (482, 8623), (484, 8626), (488, 8632), (489, 8635), (534, 8707), (549, 8740), (563, 8761), (577, 8791), (710, 9052), (735, 9106), (741, 9124), (762, 9163), (812, 9280), (824, 9310), (857, 9355), (867, 9364),

Gene: Bob3_11 Start: 8246, Stop: 9688, Start Num: 158

Candidate Starts for Bob3_11:

(109, 8180), (Start: 158 @8246 has 220 MA's), (263, 8444), (365, 8657), (482, 8852), (484, 8855), (545, 8963), (584, 9035), (667, 9158), (682, 9197), (710, 9275), (712, 9281), (735, 9329), (739, 9341), (743, 9350), (785, 9440), (824, 9530), (845, 9563), (857, 9575),

Gene: BobSwaget_16 Start: 10899, Stop: 12356, Start Num: 127

Candidate Starts for BobSwaget_16:

(Start: 127 @10899 has 330 MA's), (182, 10959), (Start: 193 @10983 has 1 MA's), (233, 11064), (329, 11274), (343, 11301), (365, 11346), (432, 11439), (489, 11535), (534, 11607), (545, 11634), (549, 11640), (563, 11661), (566, 11667), (587, 11712), (682, 11874), (735, 12006), (741, 12024), (749, 12042), (757, 12054), (762, 12063), (798, 12144), (802, 12150), (812, 12180), (816, 12192), (824, 12210), (842, 12240),

Gene: BobaPhett_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for BobaPhett_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (215, 2348), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: BobbyDazzler_9 Start: 4906, Stop: 6336, Start Num: 124

Candidate Starts for BobbyDazzler_9:

(Start: 124 @4906 has 299 MA's), (247, 5083), (255, 5104), (266, 5131), (273, 5146), (308, 5209), (355, 5323), (449, 5452), (488, 5524), (538, 5611), (541, 5620), (545, 5626), (574, 5674), (604, 5728), (624, 5743), (630, 5752), (663, 5818), (667, 5827), (721, 5971), (741, 6016), (743, 6019), (787, 6112), (812, 6169), (824, 6199), (836, 6226), (848, 6238), (854, 6244),

Gene: Bobi_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Bobi_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Bobquesha_10 Start: 3854, Stop: 5440, Start Num: 81

Candidate Starts for Bobquesha_10:

(Start: 75 @3839 has 32 MA's), (Start: 81 @3854 has 28 MA's), (Start: 101 @3878 has 1 MA's), (Start: 154 @3944 has 46 MA's), (186, 3989), (Start: 222 @4061 has 4 MA's), (246, 4109), (248, 4118), (249, 4121), (253, 4130), (266, 4160), (305, 4229), (314, 4250), (319, 4265), (324, 4286), (327, 4292), (345, 4316), (362, 4352), (369, 4367), (388, 4406), (476, 4541), (479, 4550), (488, 4568), (500, 4595), (501, 4598), (522, 4631), (537, 4664), (546, 4685), (558, 4706), (624, 4769), (637, 4793), (645, 4817), (666, 4865), (670, 4877), (675, 4889), (677, 4895), (697, 4934), (739, 5048), (741, 5054), (803, 5225), (812, 5252), (813, 5261), (845, 5324), (857, 5336),

Gene: BobsGarage_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for BobsGarage_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: BodEinwohner17_3 Start: 2275, Stop: 3609, Start Num: 180

Candidate Starts for BodEinwohner17_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: BogosyJay_14 Start: 9684, Stop: 11165, Start Num: 127

Candidate Starts for BogosyJay_14:

(Start: 127 @9684 has 330 MA's), (182, 9747), (233, 9852), (298, 9966), (329, 10062), (365, 10134), (382, 10167), (482, 10311), (534, 10395), (545, 10422), (549, 10428), (563, 10449), (624, 10539), (735, 10794), (741, 10812), (757, 10842), (762, 10851), (810, 10962), (812, 10968), (824, 10998), (857, 11043), (867, 11052),

Gene: Boiiii_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for Boiiii_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Boilgate_6 Start: 3028, Stop: 4566, Start Num: 82

Candidate Starts for Boilgate_6:

(Start: 82 @3028 has 1 MA's), (182, 3136), (189, 3151), (Start: 193 @3160 has 1 MA's), (215, 3208), (246, 3265), (252, 3283), (253, 3286), (266, 3316), (305, 3385), (314, 3406), (324, 3442), (327, 3448), (328, 3451), (345, 3472), (347, 3475), (359, 3502), (388, 3562), (432, 3625), (433, 3628), (441, 3643), (444, 3649), (452, 3664), (462, 3679), (467, 3685), (479, 3709), (495, 3745), (500, 3754), (501, 3757), (522, 3790), (537, 3823), (546, 3844), (558, 3865), (624, 3928), (635, 3946), (645, 3976), (666, 4024), (670, 4036), (672, 4039), (675, 4048), (677, 4054), (697, 4093), (702, 4117), (734, 4192), (735, 4195), (739, 4207), (741, 4213), (767, 4282), (768, 4285), (780, 4321), (782, 4324), (803, 4357), (813, 4393), (821, 4408), (822, 4411), (828, 4429),

Gene: Bombshell_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Bombshell_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Bonamassa_10 Start: 7939, Stop: 9372, Start Num: 127

Candidate Starts for Bonamassa_10:

(Start: 127 @7939 has 330 MA's), (241, 8095), (247, 8107), (252, 8122), (255, 8128), (329, 8296), (343, 8323), (382, 8401), (449, 8482), (488, 8554), (489, 8557), (534, 8629), (549, 8662), (563, 8683), (573, 8701), (577, 8713), (605, 8758), (710, 8974), (735, 9028), (741, 9046), (762, 9085), (812, 9202), (824, 9232), (842, 9262), (867, 9286),

Gene: Bonanza_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Bonanza_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Bones_12 Start: 8441, Stop: 9883, Start Num: 158

Candidate Starts for Bones_12:

(109, 8375), (Start: 158 @8441 has 220 MA's), (263, 8639), (365, 8852), (482, 9047), (489, 9059), (545, 9158), (584, 9230), (667, 9353), (682, 9392), (710, 9470), (712, 9476), (735, 9524), (739, 9536), (743, 9545), (785, 9635), (824, 9725), (845, 9758), (857, 9770),

Gene: Bongo_15 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for Bongo_15:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: Bonum_28 Start: 14299, Stop: 15876, Start Num: 121

Candidate Starts for Bonum_28:

(Start: 121 @14299 has 32 MA's), (Start: 124 @14305 has 299 MA's), (138, 14320), (Start: 140 @14323 has 4 MA's), (266, 14575), (305, 14653), (315, 14677), (416, 14878), (440, 14911), (460, 14938), (502, 14998), (577, 15133), (581, 15145), (633, 15226), (667, 15322), (684, 15367), (722, 15466), (735, 15490), (738, 15499), (759, 15559), (785, 15619), (791, 15631), (799, 15643), (803, 15652), (814, 15691),

Gene: Boohoo_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for Boohoo_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: Boomer_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Boomer_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: BoostSeason_5 Start: 2085, Stop: 3590, Start Num: 81

Candidate Starts for BoostSeason_5:

(43, 1944), (Start: 81 @2085 has 28 MA's), (98, 2103), (Start: 123 @2130 has 47 MA's), (Start: 154 @2151 has 46 MA's), (182, 2187), (Start: 222 @2268 has 4 MA's), (248, 2325), (253, 2337), (263, 2361), (266, 2367), (301, 2418), (305, 2436), (314, 2457), (324, 2493), (327, 2499), (345, 2523), (362, 2559), (414, 2649), (428, 2670), (442, 2697), (467, 2739), (473, 2745), (479, 2763), (501, 2811), (522, 2844), (546, 2898), (558, 2919), (575, 2949), (624, 2982), (635, 3000), (637, 3006), (645, 3030), (670, 3090), (675, 3102), (677, 3108), (697, 3147), (741, 3267), (767, 3309), (811, 3408), (812, 3411), (813, 3420), (835, 3471), (877, 3516), (924, 3567),

Gene: BotCity_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for BotCity_4:

(Start: 123 @2189 has 47 MA's), (194, 2279), (Start: 222 @2330 has 4 MA's), (224, 2333), (270, 2438), (301, 2480), (312, 2510), (319, 2534), (329, 2567), (468, 2774), (532, 2876), (534, 2882), (542, 2906), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (813, 3500), (860, 3560), (883, 3587),

Gene: BourbonZero_5 Start: 2757, Stop: 4400, Start Num: 131

Candidate Starts for BourbonZero_5:

(Start: 131 @2757 has 70 MA's), (178, 2817), (253, 2967), (266, 2997), (305, 3069), (328, 3135), (367, 3183), (441, 3276), (469, 3315), (492, 3372), (495, 3378), (510, 3405), (517, 3414), (527, 3429), (638, 3618), (668, 3690), (684, 3732), (767, 3915), (782, 3957), (799, 3984), (803, 3993), (824, 4053), (840, 4083), (849, 4092), (908, 4167), (925, 4200),

Gene: Bovely_7 Start: 4087, Stop: 5529, Start Num: 155

Candidate Starts for Bovely_7:

(Start: 142 @4078 has 1 MA's), (Start: 144 @4081 has 15 MA's), (Start: 155 @4087 has 140 MA's), (Start: 222 @4204 has 4 MA's), (246, 4252), (412, 4570), (444, 4612), (458, 4639), (477, 4672), (530, 4765), (534, 4777), (579, 4870), (629, 4948), (645, 4993), (669, 5050), (678, 5074), (773, 5287), (908, 5515),

Gene: Bowden_8 Start: 3928, Stop: 5403, Start Num: 155

Candidate Starts for Bowden_8:

(Start: 155 @3928 has 140 MA's), (Start: 222 @4045 has 4 MA's), (246, 4093), (249, 4105), (266, 4144), (305, 4237), (314, 4258), (444, 4450), (458, 4477), (534, 4615), (554, 4657), (573, 4690), (579, 4708), (585, 4726), (589, 4735), (645, 4873), (669, 4930), (687, 4978), (741, 5110), (773, 5167), (812, 5257), (813, 5266), (894, 5371), (908, 5389),

Gene: Bowtie_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Bowtie_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Bradissa_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for Bradissa_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (432, 2794), (484, 2884), (489, 2893), (549, 2998), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Bradman_12 Start: 8157, Stop: 9614, Start Num: 127

Candidate Starts for Bradman_12:

(Start: 127 @8157 has 330 MA's), (Start: 143 @8178 has 5 MA's), (182, 8217), (233, 8322), (365, 8604), (382, 8637), (438, 8709), (489, 8793), (534, 8865), (545, 8892), (549, 8898), (563, 8919), (682, 9132), (721, 9237), (735, 9264), (743, 9285), (757, 9312), (762, 9321), (812, 9438), (824, 9468), (842, 9498), (867, 9522),

Gene: Bradshaw_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Bradshaw_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: BrainDrainer_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for BrainDrainer_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (332, 2718), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (682, 3300), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: Brataylor_8 Start: 4058, Stop: 5494, Start Num: 155

Candidate Starts for Brataylor_8:

(Start: 144 @4052 has 15 MA's), (Start: 155 @4058 has 140 MA's), (174, 4082), (188, 4106), (Start: 222 @4175 has 4 MA's), (246, 4223), (255, 4247), (266, 4274), (361, 4457), (412, 4541), (444, 4583), (479, 4649), (530, 4739), (534, 4751), (579, 4844), (629, 4922), (645, 4967), (669, 5024), (760, 5237), (773, 5261), (908, 5480),

Gene: Braxoaddie_29 Start: 15854, Stop: 17443, Start Num: 117

Candidate Starts for Braxoaddie_29:

(96, 15827), (Start: 117 @15854 has 8 MA's), (Start: 121 @15860 has 32 MA's), (Start: 127 @15869 has 330 MA's), (Start: 140 @15887 has 4 MA's), (Start: 143 @15890 has 5 MA's), (182, 15947), (227, 16040), (305, 16214), (307, 16220), (360, 16340), (399, 16415), (406, 16424), (440, 16472), (557, 16652), (570, 16673), (577, 16691), (581, 16703), (641, 16808), (653, 16835), (667, 16880), (672, 16892), (684, 16925), (713, 17003), (722, 17024), (735, 17048), (738, 17057), (746, 17081), (799, 17201), (803, 17210), (811, 17234),

Gene: BreSam8_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for BreSam8_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Breezona_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Breezona_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Bricole_15 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Bricole_15:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Bridgette_3 Start: 2383, Stop: 3744, Start Num: 145

Candidate Starts for Bridgette_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (298, 2653), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (789, 3595), (851, 3709),

Gene: BritBrat_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for BritBrat_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Briton15_14 Start: 8752, Stop: 10194, Start Num: 158

Candidate Starts for Briton15_14:

(109, 8686), (Start: 158 @8752 has 220 MA's), (263, 8950), (365, 9163), (482, 9358), (489, 9370), (545, 9469), (667, 9664), (682, 9703), (710, 9781), (712, 9787), (734, 9832), (735, 9835), (739, 9847), (743, 9856), (785, 9946), (824, 10036), (845, 10069), (857, 10081),

Gene: BroPlease_8 Start: 4096, Stop: 5580, Start Num: 155

Candidate Starts for BroPlease_8:

(Start: 155 @4096 has 140 MA's), (Start: 222 @4213 has 4 MA's), (246, 4261), (417, 4588), (444, 4621), (477, 4681), (530, 4774), (534, 4786), (573, 4861), (579, 4879), (583, 4891), (585, 4897), (667, 5095), (669, 5101), (703, 5188), (734, 5260), (767, 5323), (773, 5338), (812, 5428), (827, 5470), (894, 5542),

Gene: Brocalys_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Brocalys_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (600, 3029), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Bromden_5 Start: 2378, Stop: 4015, Start Num: 132

Candidate Starts for Bromden_5:

(Start: 132 @2378 has 11 MA's), (189, 2453), (252, 2582), (253, 2585), (266, 2615), (305, 2687), (327, 2750), (328, 2753), (332, 2762), (367, 2801), (441, 2894), (469, 2933), (481, 2966), (492, 2990), (495, 2996), (506, 3017), (510, 3023), (512, 3026), (527, 3047), (535, 3068), (557, 3113), (638, 3236), (682, 3344), (684, 3350), (720, 3443), (734, 3470), (767, 3533), (799, 3602), (803, 3611), (824, 3671), (840, 3701), (849, 3710), (855, 3716), (919, 3806), (925, 3818), (945, 3890), (950, 3896),

Gene: Brookers_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Brookers_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Broseidon_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Broseidon_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: BruceB_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for BruceB_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: BruceLethal_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for BruceLethal_3:

(Start: 154 @1881 has 46 MA's), (181, 1914), (191, 1935), (225, 2001), (233, 2019), (242, 2028), (247, 2040), (255, 2061), (258, 2070), (298, 2121), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (376, 2298), (383, 2310), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (479, 2433), (489, 2454), (539, 2541), (552, 2565), (577, 2610), (598, 2643), (599, 2646), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: Bruiser_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Bruiser_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Bruns_11 Start: 8609, Stop: 10051, Start Num: 158

Candidate Starts for Bruns_11:

(109, 8543), (Start: 158 @8609 has 220 MA's), (263, 8807), (365, 9020), (482, 9215), (489, 9227), (545, 9326), (584, 9398), (667, 9521), (682, 9560), (710, 9638), (712, 9644), (735, 9692), (739, 9704), (743, 9713), (785, 9803), (824, 9893), (845, 9926), (857, 9938),

Gene: Brushbloom_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Brushbloom_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (527, 2898), (531, 2907), (546, 2946), (557, 2964), (558, 2967), (575, 2997), (637, 3054), (652, 3093), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: BrutonGaster_19 Start: 7166, Stop: 8773, Start Num: 104

Candidate Starts for BrutonGaster_19:

(Start: 104 @7166 has 19 MA's), (Start: 143 @7217 has 5 MA's), (Start: 151 @7226 has 63 MA's), (198, 7301), (Start: 222 @7343 has 4 MA's), (240, 7379), (258, 7424), (269, 7451), (365, 7655), (379, 7685), (409, 7730), (435, 7775), (444, 7790), (508, 7895), (533, 7931), (539, 7949), (541, 7955), (566,

7997), (617, 8126), (686, 8306), (704, 8351), (722, 8399), (769, 8501), (771, 8507), (775, 8516), (806, 8585), (811, 8600), (824, 8636), (825, 8639), (829, 8651),

Gene: BryanRecycles_8 Start: 4241, Stop: 5683, Start Num: 155

Candidate Starts for BryanRecycles_8:

(Start: 142 @4232 has 1 MA's), (Start: 144 @4235 has 15 MA's), (Start: 155 @4241 has 140 MA's), (Start: 222 @4358 has 4 MA's), (246, 4406), (255, 4430), (412, 4724), (444, 4766), (458, 4793), (530, 4919), (534, 4931), (579, 5024), (629, 5102), (645, 5147), (669, 5204), (678, 5228), (773, 5441), (908, 5669),

Gene: Bryce_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Bryce_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Bryler_8 Start: 2948, Stop: 4498, Start Num: 83

Candidate Starts for Bryler_8:

(44, 2816), (46, 2843), (Start: 75 @2933 has 32 MA's), (Start: 83 @2948 has 142 MA's), (116, 2978), (182, 3056), (Start: 222 @3137 has 4 MA's), (232, 3161), (252, 3203), (305, 3305), (314, 3326), (319, 3341), (327, 3368), (369, 3446), (388, 3485), (428, 3542), (467, 3611), (479, 3635), (495, 3671), (501, 3683), (522, 3716), (537, 3749), (546, 3770), (558, 3791), (575, 3821), (624, 3854), (635, 3872), (670, 3962), (672, 3965), (677, 3980), (699, 4016), (701, 4022), (711, 4064), (735, 4115), (741, 4133), (785, 4226), (787, 4229), (803, 4250), (811, 4274), (812, 4277), (813, 4286),

Gene: Bubble_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Bubble_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: BubbleTrouble_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for BubbleTrouble_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (687, 9580), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Bubbles123_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Bubbles123_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (375, 2687), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Bud_13 Start: 9790, Stop: 11247, Start Num: 127

Candidate Starts for Bud_13:

(Start: 127 @9790 has 330 MA's), (169, 9835), (182, 9850), (233, 9955), (365, 10237), (382, 10270), (489, 10426), (534, 10498), (545, 10525), (549, 10531), (563, 10552), (587, 10603), (720, 10867), (735, 10897), (743, 10918), (749, 10933), (757, 10945), (762, 10954), (802, 11041), (812, 11071), (824, 11101), (842, 11131), (908, 11197),

Gene: Budski_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for Budski_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: Bugatti_12 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for Bugatti_12:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: Buggaboo_26 Start: 14757, Stop: 16334, Start Num: 121

Candidate Starts for Buggaboo_26:

(Start: 121 @14757 has 32 MA's), (Start: 124 @14763 has 299 MA's), (138, 14778), (Start: 140 @14781 has 4 MA's), (266, 15033), (305, 15111), (315, 15135), (416, 15336), (440, 15369), (460, 15396), (502, 15456), (577, 15591), (581, 15603), (633, 15684), (667, 15780), (684, 15825), (722, 15924), (735, 15948), (738, 15957), (759, 16017), (785, 16077), (791, 16089), (799, 16101), (803, 16110), (814, 16149),

Gene: Bugsy_15 Start: 9674, Stop: 11134, Start Num: 127

Candidate Starts for Bugsy_15:

(Start: 127 @9674 has 330 MA's), (182, 9734), (233, 9839), (324, 10037), (365, 10121), (382, 10154), (482, 10298), (534, 10382), (545, 10409), (549, 10415), (563, 10436), (566, 10442), (587, 10487), (735, 10781), (741, 10799), (743, 10802), (757, 10829), (762, 10838), (812, 10955), (824, 10985), (842, 11015), (867, 11039),

Gene: Bumblebee11_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for Bumblebee11_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (355, 9013), (382, 9064), (476, 9193), (482, 9211), (514, 9256), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (599, 9424), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (737, 9715), (741, 9727), (743, 9730), (757, 9757), (802, 9853), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: Burger_11 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Burger_11:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Burnsey_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Burnsey_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Burton_13 Start: 8809, Stop: 10251, Start Num: 158

Candidate Starts for Burton_13:

(109, 8743), (Start: 158 @8809 has 220 MA's), (263, 9007), (365, 9220), (482, 9415), (484, 9418), (545, 9526), (584, 9598), (667, 9721), (682, 9760), (710, 9838), (712, 9844), (735, 9892), (739, 9904), (743, 9913), (785, 10003), (824, 10093), (845, 10126), (857, 10138),

Gene: Burwell21_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Burwell21_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Button_6 Start: 2875, Stop: 4326, Start Num: 159

Candidate Starts for Button_6:

(86, 2782), (Start: 159 @2875 has 63 MA's), (182, 2890), (231, 2992), (246, 3013), (257, 3043), (276, 3079), (313, 3148), (319, 3166), (320, 3169), (322, 3178), (324, 3187), (327, 3193), (353, 3235), (392, 3307), (430, 3343), (484, 3439), (537, 3529), (549, 3553), (552, 3559), (633, 3703), (649, 3739), (674, 3802), (757, 4000), (762, 4009), (768, 4018), (811, 4123), (835, 4183), (848, 4198), (923, 4309),

Gene: Buttons_13 Start: 8879, Stop: 10321, Start Num: 158

Candidate Starts for Buttons_13:

(109, 8813), (Start: 158 @8879 has 220 MA's), (263, 9077), (365, 9290), (482, 9485), (489, 9497), (545, 9596), (584, 9668), (667, 9791), (682, 9830), (710, 9908), (712, 9914), (735, 9962), (739, 9974), (743, 9983), (785, 10073), (824, 10163), (845, 10196), (857, 10208),

Gene: Buttrmlkdreams_5 Start: 2787, Stop: 4241, Start Num: 159

Candidate Starts for Buttrmlkdreams_5:

(Start: 159 @2787 has 63 MA's), (184, 2811), (242, 2925), (246, 2934), (320, 3090), (322, 3099), (365, 3180), (489, 3369), (537, 3450), (545, 3468), (549, 3474), (663, 3702), (674, 3729), (687, 3765), (730, 3873), (739, 3894), (800, 4017), (811, 4047), (835, 4107), (836, 4110), (923, 4218),

Gene: BuzzBuzz_13 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for BuzzBuzz_13:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: BuzzLyseyear_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for BuzzLyseyear_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (501, 2858), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (803, 3431), (805,

3437), (808, 3446), (811, 3455), (813, 3467), (845, 3530), (889, 3578),

Gene: Bxb1_11 Start: 8719, Stop: 10185, Start Num: 127

Candidate Starts for Bxb1_11:

(Start: 127 @8719 has 330 MA's), (233, 8869), (329, 9109), (355, 9163), (370, 9193), (382, 9214), (449, 9295), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (605, 9571), (624, 9586), (687, 9727), (735, 9844), (741, 9862), (762, 9901), (812, 10018), (824, 10048), (829, 10060),

Gene: Bxz2_14 Start: 8748, Stop: 10202, Start Num: 124

Candidate Starts for Bxz2_14:

(Start: 124 @8748 has 299 MA's), (Start: 157 @8778 has 14 MA's), (182, 8805), (233, 8910), (298, 9024), (320, 9090), (343, 9147), (382, 9225), (384, 9228), (482, 9369), (545, 9480), (549, 9486), (563, 9507), (663, 9672), (710, 9798), (735, 9852), (737, 9858), (743, 9873), (762, 9909), (802, 9996), (812, 10026), (824, 10056), (857, 10101), (867, 10110),

Gene: ByChance_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for ByChance_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Byougenkin_3 Start: 2273, Stop: 3598, Start Num: 179

Candidate Starts for Byougenkin_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: C3_11 Start: 9161, Stop: 10618, Start Num: 127

Candidate Starts for C3_11:

(Start: 127 @9161 has 330 MA's), (182, 9221), (233, 9326), (365, 9608), (382, 9641), (481, 9782), (489, 9797), (534, 9869), (545, 9896), (549, 9902), (563, 9923), (566, 9929), (587, 9974), (735, 10268), (741, 10286), (743, 10289), (757, 10316), (762, 10325), (789, 10391), (812, 10442), (824, 10472), (842, 10502), (867, 10526),

Gene: C3PO_13 Start: 8765, Stop: 10342, Start Num: 117

Candidate Starts for C3PO_13:

(Start: 117 @8765 has 8 MA's), (Start: 129 @8780 has 6 MA's), (178, 8843), (188, 8864), (201, 8906), (234, 8966), (238, 8975), (244, 8984), (258, 9023), (305, 9119), (355, 9239), (360, 9245), (389, 9308), (394, 9314), (477, 9428), (487, 9449), (515, 9503), (532, 9527), (570, 9602), (576, 9617), (581, 9632), (641, 9737), (646, 9746), (684, 9854), (739, 9986), (764, 10049), (782, 10094), (804, 10139), (806, 10145), (813, 10172), (818, 10181), (824, 10196), (899, 10280),

Gene: CLED96_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for CLED96_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439,

2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: CRB1_13 Start: 9194, Stop: 10654, Start Num: 127

Candidate Starts for CRB1_13:

(Start: 127 @9194 has 330 MA's), (182, 9254), (233, 9359), (324, 9557), (365, 9641), (382, 9674), (534, 9902), (545, 9929), (549, 9935), (563, 9956), (566, 9962), (587, 10007), (735, 10301), (741, 10319), (743, 10322), (757, 10349), (762, 10358), (812, 10475), (824, 10505), (842, 10535), (867, 10559),

Gene: CREW_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for CREW_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Cabrinians_3 Start: 2276, Stop: 3598, Start Num: 180

Candidate Starts for Cabrinians_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560),

Gene: CactusRose_11 Start: 8429, Stop: 9871, Start Num: 158

Candidate Starts for CactusRose_11:

(109, 8363), (Start: 158 @8429 has 220 MA's), (263, 8627), (365, 8840), (482, 9035), (489, 9047), (545, 9146), (667, 9341), (682, 9380), (710, 9458), (712, 9464), (735, 9512), (739, 9524), (743, 9533), (785, 9623), (824, 9713), (845, 9746), (857, 9758),

Gene: Caelakin_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Caelakin_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Caelum_8 Start: 3776, Stop: 5269, Start Num: 155

Candidate Starts for Caelum_8:

(Start: 155 @3776 has 140 MA's), (Start: 222 @3893 has 4 MA's), (246, 3941), (249, 3953), (266, 3992), (305, 4085), (327, 4142), (444, 4298), (458, 4325), (500, 4403), (530, 4451), (534, 4463), (537, 4472), (573, 4538), (579, 4556), (583, 4568), (585, 4574), (645, 4721), (669, 4778), (687, 4826), (741, 4958), (773, 5015), (812, 5105), (813, 5114), (827, 5147), (894, 5231), (908, 5255),

Gene: Cain_8 Start: 2948, Stop: 4498, Start Num: 83

Candidate Starts for Cain_8:

(44, 2816), (46, 2843), (Start: 75 @2933 has 32 MA's), (Start: 83 @2948 has 142 MA's), (116, 2978), (182, 3056), (Start: 222 @3137 has 4 MA's), (232, 3161), (252, 3203), (305, 3305), (314, 3326), (319,

3341), (327, 3368), (369, 3446), (388, 3485), (428, 3542), (467, 3611), (479, 3635), (495, 3671), (501, 3683), (522, 3716), (537, 3749), (546, 3770), (558, 3791), (575, 3821), (624, 3854), (635, 3872), (670, 3962), (672, 3965), (677, 3980), (699, 4016), (701, 4022), (711, 4064), (735, 4115), (741, 4133), (785, 4226), (787, 4229), (803, 4250), (811, 4274), (812, 4277), (813, 4286),

Gene: Caitlin_10 Start: 7455, Stop: 8885, Start Num: 127

Candidate Starts for Caitlin_10:

(Start: 127 @7455 has 330 MA's), (232, 7605), (308, 7752), (365, 7887), (449, 7998), (482, 8061), (514, 8106), (545, 8172), (563, 8199), (584, 8244), (663, 8364), (702, 8466), (735, 8544), (737, 8550), (762, 8601), (812, 8718), (824, 8748), (867, 8802),

Gene: Caliburn_7 Start: 4055, Stop: 5503, Start Num: 144

Candidate Starts for Caliburn_7:

(Start: 142 @4052 has 1 MA's), (Start: 144 @4055 has 15 MA's), (Start: 155 @4061 has 140 MA's), (Start: 222 @4178 has 4 MA's), (246, 4226), (412, 4544), (444, 4586), (458, 4613), (477, 4646), (530, 4739), (534, 4751), (579, 4844), (629, 4922), (645, 4967), (669, 5024), (678, 5048), (773, 5261), (908, 5489),

Gene: CallaLilly_9 Start: 2996, Stop: 4552, Start Num: 83

Candidate Starts for CallaLilly_9:

(46, 2894), (Start: 75 @2981 has 32 MA's), (Start: 83 @2996 has 142 MA's), (175, 3095), (182, 3104), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (252, 3251), (266, 3284), (305, 3353), (314, 3374), (327, 3416), (362, 3482), (369, 3497), (414, 3572), (428, 3593), (458, 3647), (522, 3767), (537, 3800), (546, 3821), (558, 3842), (575, 3872), (624, 3905), (635, 3923), (666, 4001), (670, 4013), (672, 4016), (676, 4028), (677, 4031), (699, 4067), (711, 4115), (735, 4166), (741, 4184), (787, 4280), (803, 4301), (812, 4328), (813, 4337), (828, 4373),

Gene: CallinAllBarbz_3 Start: 1965, Stop: 3398, Start Num: 123

Candidate Starts for CallinAllBarbz_3:

(Start: 123 @1965 has 47 MA's), (Start: 157 @1995 has 14 MA's), (242, 2136), (365, 2394), (462, 2529), (496, 2583), (532, 2643), (542, 2673), (566, 2709), (574, 2724), (599, 2787), (643, 2847), (649, 2856), (655, 2874), (658, 2880), (702, 2994), (731, 3063), (740, 3087), (762, 3132), (809, 3240),

Gene: Calm_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Calm_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Calvinny_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Calvinny_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Cambiare_4 Start: 2394, Stop: 3935, Start Num: 105

Candidate Starts for Cambiare_4:

(17, 1920), (24, 1992), (26, 2007), (39, 2136), (Start: 105 @2394 has 79 MA's), (161, 2466), (164, 2469), (188, 2499), (189, 2502), (246, 2610), (270, 2673), (315, 2757), (316, 2760), (355, 2844), (380, 2889), (382, 2895), (395, 2913), (439, 2970), (442, 2976), (482, 3042), (516, 3087), (534, 3123), (549,

3156), (571, 3192), (599, 3261), (614, 3276), (649, 3333), (673, 3393), (802, 3702), (811, 3729), (821, 3753), (825, 3765), (839, 3792),

Gene: Camperdownii_11 Start: 8195, Stop: 9649, Start Num: 124

Candidate Starts for Camperdownii_11:

(Start: 124 @8195 has 299 MA's), (229, 8345), (233, 8357), (316, 8525), (324, 8555), (343, 8594), (352, 8612), (382, 8672), (476, 8801), (482, 8819), (545, 8930), (549, 8936), (563, 8957), (566, 8963), (599, 9032), (642, 9092), (663, 9137), (710, 9263), (711, 9266), (735, 9317), (743, 9338), (757, 9368), (798, 9458), (812, 9494), (824, 9524), (845, 9554),

Gene: Camri_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Camri_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Candra_16 Start: 9317, Stop: 10780, Start Num: 127

Candidate Starts for Candra_16:

(Start: 127 @9317 has 330 MA's), (Start: 143 @9338 has 5 MA's), (182, 9377), (225, 9464), (230, 9476), (233, 9482), (365, 9764), (504, 9977), (534, 10028), (545, 10055), (549, 10061), (563, 10082), (743, 10448), (757, 10475), (762, 10484), (787, 10544), (812, 10601), (824, 10631), (842, 10661), (870, 10688),

Gene: CanesSauce_5 Start: 2796, Stop: 4250, Start Num: 159

Candidate Starts for CanesSauce_5:

(Start: 159 @2796 has 63 MA's), (184, 2820), (242, 2934), (246, 2943), (297, 3024), (322, 3108), (365, 3189), (466, 3336), (489, 3378), (525, 3429), (537, 3459), (545, 3477), (549, 3483), (663, 3711), (674, 3738), (680, 3753), (687, 3774), (718, 3858), (730, 3882), (800, 4026), (807, 4044), (811, 4056), (812, 4059), (835, 4116), (836, 4119), (923, 4227),

Gene: Cappuccino_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Cappuccino_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Caprice_33 Start: 12247, Stop: 13812, Start Num: 76

Candidate Starts for Caprice_33:

(Start: 76 @12247 has 19 MA's), (165, 12364), (231, 12484), (255, 12529), (258, 12538), (308, 12628), (323, 12676), (324, 12679), (353, 12721), (355, 12724), (368, 12748), (423, 12820), (425, 12823), (450, 12862), (460, 12883), (462, 12886), (488, 12931), (539, 13021), (542, 13030), (549, 13039), (574, 13081), (575, 13084), (592, 13123), (619, 13165), (625, 13171), (628, 13174), (647, 13219), (674, 13288), (710, 13387), (714, 13399), (763, 13498), (789, 13564), (802, 13585), (807, 13600), (856, 13693), (870, 13708),

Gene: Capricorn_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Capricorn_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666,

4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: CaptainTrips_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for CaptainTrips_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (687, 3890), (688, 3893), (710, 3950), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: CaramellLatte_5 Start: 2796, Stop: 4250, Start Num: 159

Candidate Starts for CaramellLatte_5:

(Start: 159 @2796 has 63 MA's), (184, 2820), (242, 2934), (246, 2943), (297, 3024), (322, 3108), (365, 3189), (466, 3336), (489, 3378), (525, 3429), (537, 3459), (545, 3477), (549, 3483), (663, 3711), (674, 3738), (680, 3753), (687, 3774), (718, 3858), (730, 3882), (800, 4026), (807, 4044), (811, 4056), (812, 4059), (835, 4116), (836, 4119), (923, 4227),

Gene: Caraxes_12 Start: 7939, Stop: 9396, Start Num: 127

Candidate Starts for Caraxes_12:

(Start: 127 @7939 has 330 MA's), (182, 7999), (229, 8092), (233, 8104), (365, 8386), (534, 8647), (545, 8674), (549, 8680), (563, 8701), (682, 8914), (735, 9046), (741, 9064), (743, 9067), (757, 9094), (762, 9103), (802, 9190), (812, 9220), (824, 9250), (842, 9280), (867, 9304),

Gene: CardboardBox_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for CardboardBox_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: Cardigan_31 Start: 12425, Stop: 13987, Start Num: 104

Candidate Starts for Cardigan_31:

(54, 12341), (Start: 104 @12425 has 19 MA's), (Start: 143 @12476 has 5 MA's), (Start: 151 @12485 has 63 MA's), (Start: 222 @12602 has 4 MA's), (238, 12635), (258, 12683), (259, 12686), (266, 12701), (269, 12710), (304, 12770), (311, 12791), (330, 12848), (365, 12914), (368, 12920), (379, 12944), (401, 12977), (433, 13031), (435, 13034), (508, 13154), (539, 13208), (541, 13214), (576, 13277), (606, 13349), (617, 13385), (651, 13463), (678, 13544), (686, 13565), (704, 13610), (710, 13628), (737, 13688), (741, 13700), (742, 13703), (820, 13883), (825, 13898), (831, 13913),

Gene: Carlyle_14 Start: 9277, Stop: 10719, Start Num: 158

Candidate Starts for Carlyle_14:

(109, 9211), (Start: 158 @9277 has 220 MA's), (263, 9475), (365, 9688), (482, 9883), (489, 9895), (545, 9994), (584, 10066), (667, 10189), (682, 10228), (710, 10306), (712, 10312), (734, 10357), (735, 10360), (739, 10372), (743, 10381), (785, 10471), (824, 10561), (845, 10594), (857, 10606),

Gene: Caron_3 Start: 2378, Stop: 3748, Start Num: 148

Candidate Starts for Caron_3:

(Start: 148 @2378 has 57 MA's), (Start: 222 @2498 has 4 MA's), (324, 2723), (561, 3086), (697, 3347), (701, 3356), (767, 3503), (778, 3533), (812, 3608),

Gene: Carsonalex_6 Start: 2870, Stop: 4303, Start Num: 184

Candidate Starts for Carsonalex_6:

(Start: 159 @2846 has 63 MA's), (184, 2870), (238, 2981), (242, 2984), (246, 2993), (297, 3074), (322, 3158), (326, 3170), (365, 3239), (423, 3314), (466, 3386), (489, 3428), (531, 3491), (537, 3509), (539, 3515), (545, 3527), (549, 3533), (602, 3644), (663, 3761), (674, 3788), (680, 3803), (687, 3824), (739, 3953), (741, 3959), (762, 3992), (785, 4049), (787, 4052), (800, 4076), (811, 4106), (835, 4166), (836, 4169), (923, 4280),

Gene: CartmannCramer_12 Start: 10230, Stop: 11672, Start Num: 158

Candidate Starts for CartmannCramer_12:

(109, 10164), (Start: 158 @10230 has 220 MA's), (263, 10428), (365, 10641), (482, 10836), (489, 10848), (545, 10947), (667, 11142), (682, 11181), (710, 11259), (712, 11265), (735, 11313), (739, 11325), (743, 11334), (785, 11424), (824, 11514), (845, 11547), (857, 11559),

Gene: CaseJules_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for CaseJules_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Cashline_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for Cashline_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (182, 2347), (245, 2467), (253, 2491), (257, 2500), (271, 2533), (298, 2557), (314, 2605), (321, 2626), (442, 2815), (484, 2884), (488, 2890), (489, 2893), (542, 2989), (549, 2998), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: Cassia_3 Start: 2263, Stop: 3798, Start Num: 145

Candidate Starts for Cassia_3:

(Start: 145 @2263 has 30 MA's), (Start: 222 @2383 has 4 MA's), (266, 2482), (421, 2746), (439, 2761), (580, 3019), (678, 3184), (699, 3223), (705, 3253), (713, 3277), (799, 3451), (813, 3496), (857, 3562), (924, 3661),

Gene: CassieYates_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for CassieYates_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Cassini_3 Start: 1978, Stop: 3414, Start Num: 127

Candidate Starts for Cassini_3:

(Start: 121 @1969 has 32 MA's), (Start: 127 @1978 has 330 MA's), (182, 2038), (236, 2143), (247, 2164), (255, 2185), (288, 2245), (313, 2302), (322, 2332), (327, 2347), (362, 2407), (395, 2464), (532, 2650), (537, 2665), (539, 2671), (542, 2680), (545, 2683), (648, 2863), (652, 2875), (666, 2908), (674, 2929), (675, 2932), (707, 3028), (711, 3037), (723, 3064), (739, 3100), (747, 3127), (762, 3148), (770, 3163), (809, 3253), (824, 3292), (866, 3343), (889, 3373), (904, 3397),

Gene: CatBus_13 Start: 9436, Stop: 10878, Start Num: 158

Candidate Starts for CatBus_13:

(109, 9370), (Start: 158 @9436 has 220 MA's), (263, 9634), (365, 9847), (482, 10042), (489, 10054), (545, 10153), (667, 10348), (682, 10387), (710, 10465), (712, 10471), (735, 10519), (739, 10531), (743, 10540), (785, 10630), (824, 10720), (845, 10753), (857, 10765),

Gene: Catalina_14 Start: 9894, Stop: 11381, Start Num: 127

Candidate Starts for Catalina_14:

(Start: 127 @9894 has 330 MA's), (182, 9957), (233, 10062), (329, 10272), (349, 10311), (365, 10344), (382, 10377), (482, 10521), (508, 10557), (514, 10566), (534, 10605), (545, 10632), (549, 10638), (563, 10659), (577, 10689), (587, 10710), (605, 10734), (624, 10749), (735, 11004), (741, 11022), (757, 11052), (758, 11055), (762, 11061), (810, 11172), (812, 11178), (824, 11208), (857, 11253), (867, 11262),

Gene: Caviar_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Caviar_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Cedasite_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Cedasite_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Celery_9 Start: 4163, Stop: 5596, Start Num: 155

Candidate Starts for Celery_9:

(125, 4130), (Start: 155 @4163 has 140 MA's), (Start: 222 @4280 has 4 MA's), (246, 4328), (249, 4340), (371, 4583), (432, 4670), (477, 4748), (479, 4754), (534, 4853), (579, 4946), (610, 4985), (629, 5021), (645, 5066), (669, 5123), (735, 5285), (741, 5303), (773, 5360), (827, 5492), (908, 5582),

Gene: Celeste_7 Start: 4057, Stop: 5493, Start Num: 155

Candidate Starts for Celeste_7:

(Start: 144 @4051 has 15 MA's), (Start: 155 @4057 has 140 MA's), (174, 4081), (188, 4105), (Start: 222 @4174 has 4 MA's), (246, 4222), (266, 4273), (328, 4426), (361, 4456), (412, 4540), (444, 4582), (479, 4648), (530, 4738), (534, 4750), (579, 4843), (629, 4921), (645, 4966), (669, 5023), (678, 5047), (760, 5236), (773, 5260), (908, 5479),

Gene: Celestiallunch_13 Start: 8001, Stop: 9485, Start Num: 127

Candidate Starts for Celestiallunch_13:

(Start: 127 @8001 has 330 MA's), (182, 8061), (225, 8148), (233, 8166), (266, 8235), (298, 8280), (329, 8376), (349, 8415), (365, 8448), (466, 8592), (482, 8625), (508, 8661), (514, 8670), (534, 8709), (545, 8736), (549, 8742), (563, 8763), (587, 8814), (667, 8937), (735, 9108), (741, 9126), (757, 9156), (762, 9165), (810, 9276), (812, 9282), (824, 9312), (857, 9357), (867, 9366),

Gene: Celia_7 Start: 4355, Stop: 5830, Start Num: 155

Candidate Starts for Celia_7:

(Start: 155 @4355 has 140 MA's), (Start: 171 @4376 has 1 MA's), (Start: 222 @4472 has 4 MA's), (249, 4532), (305, 4664), (314, 4685), (327, 4721), (444, 4883), (466, 4925), (512, 5009), (534, 5048), (557, 5096), (573, 5123), (579, 5141), (588, 5165), (596, 5186), (609, 5222), (629, 5261), (645, 5306),

(669, 5363), (678, 5387), (773, 5600), (812, 5690), (827, 5732),

Gene: Cen1621_3 Start: 2349, Stop: 3737, Start Num: 148

Candidate Starts for Cen1621_3:

(Start: 148 @2349 has 57 MA's), (Start: 222 @2469 has 4 MA's), (324, 2694), (478, 2913), (501, 2961), (531, 3003), (557, 3060), (561, 3066), (661, 3231), (699, 3312), (734, 3408), (768, 3468), (799, 3534), (803, 3543), (812, 3570), (813, 3579), (867, 3654),

Gene: Centaur_15 Start: 9707, Stop: 11167, Start Num: 127

Candidate Starts for Centaur_15:

(Start: 127 @9707 has 330 MA's), (182, 9767), (229, 9860), (233, 9872), (365, 10154), (382, 10187), (484, 10334), (489, 10343), (534, 10415), (545, 10442), (549, 10448), (563, 10469), (687, 10697), (735, 10814), (743, 10835), (757, 10862), (762, 10871), (812, 10988), (824, 11018), (842, 11048), (867, 11072),

Gene: CentreCat_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for CentreCat_12:

(Start: 124 @8579 has 299 MA's), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (737, 9704), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Cerasum_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Cerasum_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Cerulean_12 Start: 8556, Stop: 10007, Start Num: 124

Candidate Starts for Cerulean_12:

(Start: 124 @8556 has 299 MA's), (233, 8715), (316, 8883), (324, 8913), (343, 8952), (352, 8970), (382, 9030), (476, 9159), (482, 9177), (545, 9288), (549, 9294), (563, 9315), (566, 9321), (599, 9390), (642, 9450), (710, 9621), (711, 9624), (735, 9675), (737, 9681), (743, 9696), (757, 9726), (798, 9816), (812, 9852), (816, 9864), (824, 9882), (845, 9912),

Gene: Chadwick_11 Start: 7734, Stop: 9167, Start Num: 127

Candidate Starts for Chadwick_11:

(Start: 127 @7734 has 330 MA's), (225, 7863), (247, 7902), (252, 7917), (329, 8091), (343, 8118), (365, 8163), (382, 8196), (400, 8217), (449, 8277), (488, 8349), (489, 8352), (534, 8424), (549, 8457), (563, 8478), (577, 8508), (710, 8769), (735, 8823), (741, 8841), (762, 8880), (812, 8997), (824, 9027), (842, 9057), (857, 9072), (867, 9081),

Gene: ChamoyPickle_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for ChamoyPickle_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: ChampagnePapi_12 Start: 8555, Stop: 10006, Start Num: 124

Candidate Starts for ChampagnePapi_12:

(Start: 124 @8555 has 299 MA's), (233, 8714), (316, 8882), (324, 8912), (343, 8951), (352, 8969), (382, 9029), (476, 9158), (482, 9176), (545, 9287), (549, 9293), (563, 9314), (566, 9320), (599, 9389), (642, 9449), (710, 9620), (711, 9623), (735, 9674), (737, 9680), (743, 9695), (757, 9725), (798, 9815), (812, 9851), (816, 9863), (824, 9881), (845, 9911),

Gene: Chanagan_11 Start: 8273, Stop: 9715, Start Num: 158

Candidate Starts for Chanagan_11:

(109, 8207), (Start: 158 @8273 has 220 MA's), (263, 8471), (365, 8684), (482, 8879), (489, 8891), (545, 8990), (667, 9185), (682, 9224), (710, 9302), (712, 9308), (735, 9356), (739, 9368), (743, 9377), (785, 9467), (824, 9557), (845, 9590), (857, 9602),

Gene: Chance64_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Chance64_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Chancellor_10 Start: 3932, Stop: 5518, Start Num: 81

Candidate Starts for Chancellor_10:

(Start: 75 @3917 has 32 MA's), (Start: 81 @3932 has 28 MA's), (Start: 101 @3956 has 1 MA's), (Start: 154 @4022 has 46 MA's), (186, 4067), (Start: 222 @4139 has 4 MA's), (248, 4196), (252, 4205), (253, 4208), (266, 4238), (305, 4307), (314, 4328), (324, 4364), (327, 4370), (345, 4394), (362, 4430), (369, 4445), (388, 4484), (476, 4619), (479, 4628), (488, 4646), (500, 4673), (501, 4676), (522, 4709), (537, 4742), (546, 4763), (558, 4784), (624, 4847), (637, 4871), (645, 4895), (666, 4943), (670, 4955), (675, 4967), (677, 4973), (697, 5012), (739, 5126), (741, 5132), (803, 5303), (812, 5330), (813, 5339), (845, 5402), (857, 5414),

Gene: Changeling_16 Start: 11068, Stop: 12528, Start Num: 127

Candidate Starts for Changeling_16:

(Start: 127 @11068 has 330 MA's), (182, 11128), (233, 11233), (365, 11515), (382, 11548), (484, 11698), (534, 11779), (545, 11806), (549, 11812), (563, 11833), (735, 12178), (741, 12196), (743, 12199), (749, 12214), (757, 12226), (762, 12235), (812, 12352), (824, 12382), (842, 12412), (867, 12436),

Gene: Chaph_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for Chaph_12:

(Start: 124 @8587 has 299 MA's), (229, 8734), (233, 8746), (316, 8914), (324, 8944), (343, 8983), (352, 9001), (382, 9061), (476, 9190), (482, 9208), (489, 9220), (545, 9319), (549, 9325), (563, 9346), (566, 9352), (599, 9421), (642, 9481), (663, 9526), (710, 9652), (711, 9655), (735, 9706), (743, 9727), (757, 9757), (798, 9847), (812, 9883), (824, 9913), (845, 9943),

Gene: Chargerpower_13 Start: 8369, Stop: 9832, Start Num: 127

Candidate Starts for Chargerpower_13:

(Start: 127 @8369 has 330 MA's), (135, 8381), (182, 8429), (Start: 193 @8453 has 1 MA's), (233, 8534), (266, 8603), (329, 8744), (365, 8816), (484, 8999), (534, 9080), (545, 9107), (549, 9113), (563, 9134), (587, 9185), (605, 9209), (667, 9308), (735, 9479), (741, 9497), (757, 9527), (762, 9536), (802, 9623), (812, 9653), (824, 9683), (842, 9713), (867, 9737),

Gene: Charm_13 Start: 8077, Stop: 9561, Start Num: 127

Candidate Starts for Charm_13:

(Start: 127 @8077 has 330 MA's), (182, 8137), (233, 8242), (298, 8356), (329, 8452), (365, 8524), (382, 8557), (466, 8668), (482, 8701), (508, 8737), (514, 8746), (534, 8785), (542, 8809), (545, 8812), (549, 8818), (560, 8836), (563, 8839), (587, 8890), (735, 9184), (741, 9202), (757, 9232), (762, 9241), (802, 9328), (810, 9352), (812, 9358), (824, 9388), (857, 9433), (867, 9442),

Gene: Chartreuse_16 Start: 9231, Stop: 10694, Start Num: 127

Candidate Starts for Chartreuse_16:

(Start: 127 @9231 has 330 MA's), (Start: 143 @9252 has 5 MA's), (182, 9291), (225, 9378), (230, 9390), (233, 9396), (365, 9678), (504, 9891), (534, 9942), (545, 9969), (549, 9975), (563, 9996), (743, 10362), (757, 10389), (762, 10398), (787, 10458), (812, 10515), (824, 10545), (842, 10575), (870, 10602),

Gene: Chaser_5 Start: 2379, Stop: 4016, Start Num: 132

Candidate Starts for Chaser_5:

(Start: 132 @2379 has 11 MA's), (189, 2454), (252, 2583), (253, 2586), (266, 2616), (305, 2688), (319, 2724), (332, 2763), (367, 2802), (441, 2895), (469, 2934), (481, 2967), (492, 2991), (495, 2997), (506, 3018), (510, 3024), (512, 3027), (527, 3048), (557, 3114), (626, 3216), (638, 3237), (682, 3345), (684, 3351), (720, 3444), (734, 3471), (767, 3534), (782, 3576), (799, 3603), (801, 3606), (803, 3612), (824, 3672), (840, 3702), (849, 3711), (855, 3717), (919, 3807), (925, 3819), (950, 3897),

Gene: Chavito_9 Start: 3103, Stop: 4653, Start Num: 83

Candidate Starts for Chavito_9:

(46, 2998), (Start: 75 @3088 has 32 MA's), (Start: 83 @3103 has 142 MA's), (182, 3205), (Start: 222 @3286 has 4 MA's), (232, 3310), (252, 3352), (305, 3454), (314, 3475), (319, 3490), (362, 3580), (369, 3595), (414, 3670), (441, 3715), (458, 3745), (467, 3760), (473, 3766), (479, 3784), (501, 3832), (522, 3865), (537, 3898), (546, 3919), (555, 3934), (558, 3940), (575, 3970), (624, 4003), (635, 4021), (645, 4051), (666, 4099), (670, 4111), (672, 4114), (676, 4126), (677, 4129), (699, 4165), (735, 4264), (741, 4282), (767, 4324), (785, 4375), (803, 4399), (811, 4423), (812, 4426), (813, 4435), (877, 4531), (899, 4558),

Gene: Che12_14 Start: 8036, Stop: 9493, Start Num: 127

Candidate Starts for Che12_14:

(Start: 127 @8036 has 330 MA's), (182, 8096), (233, 8201), (365, 8483), (484, 8663), (488, 8669), (534, 8744), (545, 8771), (549, 8777), (563, 8798), (682, 9011), (735, 9143), (741, 9161), (743, 9164), (757, 9191), (762, 9200), (802, 9287), (812, 9317), (824, 9347), (842, 9377), (867, 9401), (890, 9422),

Gene: Che8_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Che8_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Che9d_4 Start: 2190, Stop: 3614, Start Num: 123

Candidate Starts for Che9d_4:

(Start: 123 @2190 has 47 MA's), (Start: 154 @2223 has 46 MA's), (192, 2277), (224, 2337), (226, 2346), (246, 2379), (258, 2412), (270, 2442), (302, 2487), (306, 2505), (316, 2529), (319, 2538), (352, 2598), (382, 2658), (388, 2667), (390, 2670), (421, 2703), (435, 2724), (460, 2766), (482, 2805), (494, 2817), (496, 2820), (531, 2877), (532, 2880), (534, 2886), (539, 2901), (556, 2931), (559, 2937), (596, 3015), (649, 3096), (671, 3150), (687, 3195), (696, 3210), (719, 3282), (739, 3327), (741, 3333), (787,

3441), (791, 3450), (797, 3459), (809, 3489), (813, 3504), (825, 3531),

Gene: CheeseTouch_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for CheeseTouch_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: Cheesepuff_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Cheesepuff_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: CheetoDust_9 Start: 3046, Stop: 4599, Start Num: 83

Candidate Starts for CheetoDust_9:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3148), (182, 3157), (215, 3229), (Start: 222 @3238 has 4 MA's), (232, 3262), (248, 3295), (252, 3304), (305, 3406), (314, 3427), (326, 3466), (327, 3469), (362, 3532), (369, 3547), (380, 3571), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (659, 4033), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: Cheetobro_10 Start: 3932, Stop: 5518, Start Num: 81

Candidate Starts for Cheetobro_10:

(Start: 75 @3917 has 32 MA's), (Start: 81 @3932 has 28 MA's), (Start: 101 @3956 has 1 MA's), (Start: 154 @4022 has 46 MA's), (186, 4067), (Start: 222 @4139 has 4 MA's), (248, 4196), (252, 4205), (253, 4208), (266, 4238), (305, 4307), (314, 4328), (324, 4364), (327, 4370), (345, 4394), (362, 4430), (369, 4445), (388, 4484), (476, 4619), (479, 4628), (488, 4646), (500, 4673), (501, 4676), (522, 4709), (537, 4742), (546, 4763), (558, 4784), (624, 4847), (637, 4871), (645, 4895), (666, 4943), (670, 4955), (675, 4967), (677, 4973), (697, 5012), (739, 5126), (741, 5132), (803, 5303), (812, 5330), (813, 5339), (845, 5402), (857, 5414),

Gene: Cherrybomb426_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Cherrybomb426_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: CherryonLim_6 Start: 3321, Stop: 4760, Start Num: 159

Candidate Starts for CherryonLim_6:

(Start: 159 @3321 has 63 MA's), (184, 3351), (188, 3360), (223, 3429), (255, 3495), (257, 3501), (276, 3537), (302, 3573), (326, 3648), (365, 3717), (382, 3750), (386, 3756), (488, 3903), (489, 3906), (496, 3912), (525, 3957), (537, 3987), (545, 4005), (549, 4011), (574, 4053), (602, 4122), (645, 4188), (674, 4260), (741, 4431), (762, 4464), (787, 4524), (789, 4530), (798, 4545), (811, 4578), (835, 4638), (836,

4641), (923, 4752),

Gene: Chevrolet_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Chevrolet_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (250, 2421), (252, 2424), (253, 2427), (290, 2496), (293, 2502), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (375, 2673), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (751, 3387), (754, 3393), (769, 3417), (826, 3561), (833, 3579),

Gene: ChewyVIII_39 Start: 21579, Stop: 23150, Start Num: 121

Candidate Starts for ChewyVIII_39:

(Start: 121 @21579 has 32 MA's), (Start: 140 @21603 has 4 MA's), (Start: 179 @21657 has 2 MA's), (184, 21666), (227, 21756), (244, 21795), (253, 21822), (305, 21930), (315, 21954), (338, 22020), (360, 22056), (373, 22086), (399, 22131), (440, 22188), (451, 22209), (532, 22338), (570, 22413), (577, 22431), (581, 22443), (633, 22524), (644, 22554), (653, 22575), (672, 22632), (678, 22650), (684, 22665), (713, 22743), (720, 22758), (722, 22764), (735, 22788), (771, 22878), (779, 22899), (783, 22911), (788, 22923), (799, 22941), (803, 22950), (811, 22974), (880, 23061), (923, 23130),

Gene: ChickenDinner_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for ChickenDinner_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: ChickenTender_7 Start: 2837, Stop: 4294, Start Num: 159

Candidate Starts for ChickenTender_7:

(Start: 159 @2837 has 63 MA's), (184, 2861), (238, 2972), (242, 2975), (246, 2984), (297, 3065), (322, 3149), (326, 3161), (365, 3230), (466, 3377), (489, 3419), (531, 3482), (537, 3500), (539, 3506), (545, 3518), (549, 3524), (602, 3635), (663, 3752), (674, 3779), (687, 3815), (739, 3944), (741, 3950), (762, 3983), (785, 4040), (787, 4043), (800, 4067), (811, 4097), (835, 4157), (836, 4160), (923, 4271),

Gene: ChipMunk_15 Start: 9611, Stop: 11086, Start Num: 127

Candidate Starts for ChipMunk_15:

(Start: 127 @9611 has 330 MA's), (182, 9671), (233, 9776), (324, 9974), (365, 10058), (382, 10091), (466, 10202), (534, 10319), (545, 10346), (549, 10352), (563, 10373), (566, 10379), (587, 10424), (667, 10547), (735, 10718), (741, 10736), (743, 10739), (757, 10766), (762, 10775), (812, 10892), (824, 10922), (842, 10952), (867, 10976), (934, 11063),

Gene: ChipsNGuac_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for ChipsNGuac_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: Chiqui_11 Start: 8414, Stop: 9880, Start Num: 127

Candidate Starts for Chiqui_11:

(Start: 127 @8414 has 330 MA's), (163, 8459), (233, 8585), (273, 8669), (308, 8732), (320, 8765), (324, 8783), (343, 8822), (355, 8849), (480, 9038), (508, 9080), (534, 9128), (542, 9152), (545, 9155), (549, 9161), (563, 9182), (566, 9188), (663, 9359), (710, 9485), (711, 9488), (735, 9539), (737, 9545), (743, 9560), (757, 9590), (812, 9716), (824, 9746), (845, 9776),

Gene: ChocoMunchkin_5 Start: 2796, Stop: 4250, Start Num: 159

Candidate Starts for ChocoMunchkin_5:

(Start: 159 @2796 has 63 MA's), (184, 2820), (242, 2934), (246, 2943), (297, 3024), (322, 3108), (365, 3189), (466, 3336), (489, 3378), (525, 3429), (537, 3459), (545, 3477), (549, 3483), (663, 3711), (674, 3738), (680, 3753), (687, 3774), (718, 3858), (730, 3882), (800, 4026), (807, 4044), (811, 4056), (812, 4059), (835, 4116), (836, 4119), (923, 4227),

Gene: Chris_8 Start: 2961, Stop: 4514, Start Num: 83

Candidate Starts for Chris_8:

(46, 2856), (Start: 75 @2946 has 32 MA's), (Start: 83 @2961 has 142 MA's), (116, 2997), (182, 3075), (186, 3084), (Start: 222 @3156 has 4 MA's), (232, 3180), (243, 3198), (248, 3213), (252, 3222), (253, 3225), (314, 3345), (319, 3360), (326, 3384), (327, 3387), (369, 3465), (388, 3504), (428, 3561), (473, 3636), (522, 3735), (537, 3768), (546, 3789), (558, 3810), (624, 3873), (635, 3891), (645, 3921), (666, 3969), (670, 3981), (672, 3984), (676, 3996), (677, 3999), (734, 4131), (741, 4152), (780, 4233), (785, 4245), (787, 4248), (803, 4269), (811, 4293), (812, 4296), (813, 4305), (828, 4341), (899, 4428),

Gene: ChristmasHams_12 Start: 8740, Stop: 10182, Start Num: 158

Candidate Starts for ChristmasHams_12:

(109, 8674), (Start: 158 @8740 has 220 MA's), (263, 8938), (365, 9151), (482, 9346), (489, 9358), (545, 9457), (584, 9529), (667, 9652), (682, 9691), (710, 9769), (712, 9775), (735, 9823), (739, 9835), (743, 9844), (785, 9934), (824, 10024), (845, 10057), (857, 10069),

Gene: ChuckDuck_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for ChuckDuck_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (537, 3082), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (722, 3463), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Chuckly_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Chuckly_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Chucky_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Chucky_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (477, 4641), (479, 4647), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: Chupacabra_12 Start: 8376, Stop: 9818, Start Num: 124

Candidate Starts for Chupacabra_12:

(Start: 124 @8376 has 299 MA's), (233, 8535), (266, 8604), (308, 8682), (320, 8715), (324, 8733), (342, 8772), (344, 8775), (449, 8934), (480, 8991), (489, 9009), (545, 9108), (549, 9114), (563, 9135), (566, 9141), (663, 9315), (710, 9441), (711, 9444), (735, 9495), (737, 9501), (743, 9516), (757, 9546), (762, 9555), (798, 9636), (812, 9672), (824, 9702), (861, 9753),

Gene: ChutneyChips_5 Start: 2379, Stop: 4016, Start Num: 132

Candidate Starts for ChutneyChips_5:

(Start: 132 @2379 has 11 MA's), (189, 2454), (253, 2586), (266, 2616), (305, 2688), (327, 2751), (332, 2763), (374, 2817), (469, 2934), (481, 2967), (492, 2991), (495, 2997), (506, 3018), (510, 3024), (512, 3027), (527, 3048), (535, 3069), (537, 3075), (638, 3237), (682, 3345), (684, 3351), (720, 3444), (734, 3471), (767, 3534), (799, 3603), (803, 3612), (824, 3672), (840, 3702), (849, 3711), (855, 3717), (919, 3807), (925, 3819), (950, 3897),

Gene: Ciao_12 Start: 8659, Stop: 10101, Start Num: 158

Candidate Starts for Ciao_12:

(109, 8593), (Start: 158 @8659 has 220 MA's), (263, 8857), (365, 9070), (482, 9265), (484, 9268), (489, 9277), (545, 9376), (667, 9571), (682, 9610), (710, 9688), (712, 9694), (735, 9742), (739, 9754), (743, 9763), (762, 9796), (785, 9853), (824, 9943), (845, 9976), (857, 9988),

Gene: CicholasNage_5 Start: 2626, Stop: 4299, Start Num: 131

Candidate Starts for CicholasNage_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4264),

Gene: Cici_12 Start: 8575, Stop: 10026, Start Num: 124

Candidate Starts for Cici_12:

(Start: 124 @8575 has 299 MA's), (229, 8725), (233, 8737), (308, 8884), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (355, 9001), (382, 9052), (476, 9181), (482, 9199), (514, 9244), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (741, 9715), (743, 9718), (757, 9745), (802, 9841), (812, 9871), (824, 9901), (845, 9931),

Gene: Cindaradix_11 Start: 8284, Stop: 9738, Start Num: 124

Candidate Starts for Cindaradix_11:

(Start: 124 @8284 has 299 MA's), (229, 8434), (233, 8446), (308, 8593), (316, 8614), (324, 8644), (343, 8683), (352, 8701), (382, 8761), (476, 8890), (482, 8908), (489, 8920), (545, 9019), (549, 9025), (563, 9046), (566, 9052), (599, 9121), (663, 9226), (710, 9352), (711, 9355), (735, 9406), (743, 9427), (757, 9457), (798, 9547), (812, 9583), (824, 9613), (845, 9643), (917, 9724),

Gene: Cintron_12 Start: 8623, Stop: 10077, Start Num: 124

Candidate Starts for Cintron_12:

(Start: 124 @8623 has 299 MA's), (229, 8773), (233, 8785), (316, 8953), (324, 8983), (343, 9022), (352, 9040), (382, 9100), (476, 9229), (482, 9247), (545, 9358), (549, 9364), (563, 9385), (566, 9391), (599, 9460), (642, 9520), (663, 9565), (687, 9628), (710, 9691), (711, 9694), (735, 9745), (743, 9766), (757, 9796), (798, 9886), (812, 9922), (824, 9952), (845, 9982),

Gene: Citius_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Citius_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412),

(642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Clammy_12 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for Clammy_12:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: Clank_3 Start: 2315, Stop: 3625, Start Num: 193

Candidate Starts for Clank_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Clarenza_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Clarenza_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Clarkson_37 Start: 12859, Stop: 14424, Start Num: 76

Candidate Starts for Clarkson_37:

(Start: 76 @12859 has 19 MA's), (165, 12976), (Start: 171 @12982 has 1 MA's), (231, 13096), (255, 13141), (258, 13150), (308, 13240), (323, 13288), (324, 13291), (353, 13333), (355, 13336), (368, 13360), (423, 13432), (425, 13435), (450, 13474), (460, 13495), (462, 13498), (488, 13543), (539, 13633), (542, 13642), (549, 13651), (574, 13693), (575, 13696), (592, 13735), (619, 13777), (625, 13783), (628, 13786), (647, 13831), (674, 13900), (710, 13999), (714, 14011), (763, 14110), (789, 14176), (802, 14197), (807, 14212), (856, 14305), (870, 14320),

Gene: Claus_5 Start: 2650, Stop: 4305, Start Num: 131

Candidate Starts for Claus_5:

(Start: 131 @2650 has 70 MA's), (182, 2713), (219, 2791), (253, 2860), (263, 2884), (266, 2890), (305, 2962), (319, 2998), (327, 3025), (367, 3076), (441, 3169), (469, 3208), (492, 3265), (495, 3271), (501, 3283), (506, 3292), (510, 3298), (512, 3301), (527, 3322), (535, 3343), (537, 3349), (557, 3388), (622, 3484), (638, 3511), (682, 3619), (684, 3625), (720, 3718), (734, 3745), (767, 3808), (775, 3829), (782, 3850), (799, 3877), (803, 3886), (824, 3946), (840, 3976), (849, 3985), (855, 3991), (919, 4081), (925, 4093), (938, 4126), (945, 4165), (956, 4270),

Gene: Clautastrophe_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Clautastrophe_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: Cleo_5 Start: 2976, Stop: 4424, Start Num: 159

Candidate Starts for Cleo_5:

(88, 2889), (Start: 159 @2976 has 63 MA's), (197, 3030), (199, 3036), (231, 3099), (255, 3144), (301, 3213), (303, 3219), (365, 3360), (382, 3393), (423, 3438), (484, 3543), (488, 3549), (537, 3633), (549, 3657), (552, 3663), (585, 3726), (645, 3834), (674, 3906), (725, 4041), (738, 4068), (740, 4074), (741, 4077), (765, 4113), (787, 4170), (807, 4212), (812, 4227), (847, 4296), (923, 4398),

Gene: Clifton_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Clifton_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Clipper_9 Start: 3031, Stop: 4599, Start Num: 75

Candidate Starts for Clipper_9:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3145), (182, 3154), (215, 3226), (Start: 222 @3235 has 4 MA's), (232, 3259), (248, 3292), (252, 3301), (266, 3334), (305, 3403), (314, 3424), (327, 3466), (362, 3532), (369, 3547), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (659, 4033), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: CloudWang3_16 Start: 9262, Stop: 10725, Start Num: 127

Candidate Starts for CloudWang3_16:

(Start: 127 @9262 has 330 MA's), (Start: 143 @9283 has 5 MA's), (182, 9322), (225, 9409), (230, 9421), (233, 9427), (365, 9709), (400, 9763), (504, 9922), (534, 9973), (545, 10000), (549, 10006), (563, 10027), (632, 10129), (682, 10240), (743, 10393), (749, 10408), (757, 10420), (762, 10429), (789, 10495), (802, 10516), (812, 10546), (824, 10576), (842, 10606), (870, 10633),

Gene: Cloudyecho_3 Start: 1936, Stop: 3486, Start Num: 105

Candidate Starts for Cloudyecho_3:

(Start: 105 @1936 has 79 MA's), (164, 2014), (246, 2155), (315, 2302), (316, 2305), (362, 2401), (382, 2440), (442, 2521), (494, 2596), (496, 2599), (516, 2629), (543, 2689), (549, 2698), (571, 2734), (591, 2785), (649, 2875), (666, 2917), (673, 2935), (741, 3112), (839, 3334), (845, 3340), (902, 3403),

Gene: ClownCar_15 Start: 8724, Stop: 10178, Start Num: 124

Candidate Starts for ClownCar_15:

(Start: 124 @8724 has 299 MA's), (Start: 157 @8754 has 14 MA's), (182, 8781), (233, 8886), (298, 9000), (320, 9066), (343, 9123), (382, 9201), (384, 9204), (482, 9345), (545, 9456), (549, 9462), (563, 9483), (663, 9648), (710, 9774), (735, 9828), (737, 9834), (743, 9849), (762, 9885), (802, 9972), (812, 10002), (824, 10032), (857, 10077), (867, 10086),

Gene: ClubL_31 Start: 10375, Stop: 11991, Start Num: 104

Candidate Starts for ClubL_31:

(Start: 104 @10375 has 19 MA's), (Start: 143 @10426 has 5 MA's), (Start: 151 @10435 has 63 MA's), (Start: 193 @10495 has 1 MA's), (Start: 222 @10552 has 4 MA's), (240, 10588), (258, 10633), (269, 10660), (365, 10864), (379, 10894), (403, 10930), (431, 10975), (435, 10984), (444, 10999), (532, 11137), (533, 11140), (539, 11158), (541, 11164), (566, 11206), (644, 11398), (675, 11485), (686, 11515), (704, 11560), (722, 11608), (730, 11623), (756, 11686), (769, 11710), (771, 11716), (775, 11725), (806, 11794), (824, 11845), (825, 11848), (829, 11860),

Gene: Coco12_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Coco12_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: CocoaPuff_4 Start: 2576, Stop: 4009, Start Num: 159

Candidate Starts for CocoaPuff_4:

(Start: 159 @2576 has 63 MA's), (184, 2600), (194, 2624), (255, 2744), (257, 2750), (276, 2786), (302, 2822), (306, 2840), (319, 2873), (326, 2897), (365, 2966), (382, 2999), (489, 3155), (525, 3206), (537, 3236), (549, 3260), (574, 3302), (602, 3371), (645, 3437), (674, 3509), (741, 3680), (762, 3713), (787, 3773), (798, 3794), (811, 3827), (835, 3887), (836, 3890), (923, 4001),

Gene: Cocoaberry_12 Start: 8582, Stop: 10033, Start Num: 124

Candidate Starts for Cocoaberry_12:

(Start: 124 @8582 has 299 MA's), (229, 8729), (233, 8741), (316, 8909), (324, 8939), (343, 8978), (352, 8996), (382, 9056), (476, 9185), (482, 9203), (489, 9215), (545, 9314), (549, 9320), (563, 9341), (566, 9347), (599, 9416), (642, 9476), (663, 9521), (710, 9647), (711, 9650), (735, 9701), (743, 9722), (757, 9752), (798, 9842), (812, 9878), (824, 9908), (845, 9938),

Gene: CoffeeBean_29 Start: 15809, Stop: 17398, Start Num: 117

Candidate Starts for CoffeeBean_29:

(96, 15782), (Start: 117 @15809 has 8 MA's), (Start: 121 @15815 has 32 MA's), (Start: 127 @15824 has 330 MA's), (Start: 140 @15842 has 4 MA's), (Start: 143 @15845 has 5 MA's), (182, 15902), (227, 15995), (305, 16169), (307, 16175), (360, 16295), (399, 16370), (406, 16379), (440, 16427), (557, 16607), (570, 16628), (577, 16646), (581, 16658), (641, 16763), (653, 16790), (667, 16835), (672, 16847), (684, 16880), (713, 16958), (722, 16979), (735, 17003), (738, 17012), (746, 17036), (799, 17156), (803, 17165), (811, 17189),

Gene: CogOmlette_11 Start: 7969, Stop: 9453, Start Num: 127

Candidate Starts for CogOmlette_11:

(Start: 127 @7969 has 330 MA's), (182, 8029), (225, 8116), (233, 8134), (329, 8344), (365, 8416), (402, 8473), (466, 8560), (482, 8593), (508, 8629), (514, 8638), (534, 8677), (545, 8704), (549, 8710), (563, 8731), (566, 8737), (587, 8782), (624, 8821), (735, 9079), (741, 9097), (757, 9127), (762, 9136), (810, 9247), (812, 9253), (824, 9283), (857, 9328), (867, 9337),

Gene: Colbster_14 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for Colbster_14:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Coleslaw_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Coleslaw_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789,

3154), (811, 3205), (821, 3229),

Gene: Colin_17 Start: 10885, Stop: 12345, Start Num: 127

Candidate Starts for Colin_17:

(Start: 127 @10885 has 330 MA's), (182, 10945), (233, 11050), (365, 11332), (382, 11365), (484, 11512), (489, 11521), (534, 11593), (545, 11620), (549, 11626), (563, 11647), (587, 11698), (735, 11992), (741, 12010), (743, 12013), (757, 12040), (762, 12049), (812, 12166), (824, 12196), (842, 12226), (867, 12250),

Gene: Collard_7 Start: 2765, Stop: 4300, Start Num: 83

Candidate Starts for Collard_7:

(Start: 83 @2765 has 142 MA's), (Start: 154 @2837 has 46 MA's), (182, 2873), (186, 2882), (201, 2927), (248, 3011), (253, 3023), (266, 3053), (281, 3071), (305, 3122), (319, 3158), (327, 3185), (356, 3236), (359, 3239), (362, 3245), (369, 3260), (370, 3263), (414, 3335), (428, 3356), (444, 3386), (473, 3431), (495, 3485), (522, 3530), (537, 3563), (555, 3599), (557, 3602), (558, 3605), (624, 3668), (635, 3686), (637, 3692), (666, 3764), (670, 3776), (672, 3779), (677, 3794), (701, 3839), (702, 3854), (709, 3875), (734, 3929), (735, 3932), (741, 3950), (749, 3965), (780, 4031), (787, 4046), (803, 4067), (809, 4085), (813, 4103), (828, 4139), (899, 4226),

Gene: Colleen_4 Start: 2870, Stop: 4285, Start Num: 143

Candidate Starts for Colleen_4:

(Start: 143 @2870 has 5 MA's), (197, 2960), (253, 3089), (263, 3113), (305, 3185), (319, 3221), (454, 3458), (479, 3512), (530, 3608), (554, 3662), (576, 3704), (623, 3746), (705, 3944), (799, 4142),

Gene: Commandaria_27 Start: 15204, Stop: 16781, Start Num: 121

Candidate Starts for Commandaria_27:

(Start: 121 @15204 has 32 MA's), (Start: 124 @15210 has 299 MA's), (Start: 129 @15213 has 6 MA's), (138, 15225), (182, 15288), (259, 15465), (266, 15480), (305, 15558), (315, 15582), (353, 15672), (440, 15816), (460, 15843), (557, 15999), (570, 16020), (576, 16035), (581, 16050), (633, 16131), (641, 16155), (672, 16239), (684, 16272), (722, 16371), (735, 16395), (738, 16404), (745, 16425), (759, 16464), (799, 16548), (803, 16557),

Gene: Commander_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Commander_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Community_4 Start: 3337, Stop: 4719, Start Num: 148

Candidate Starts for Community_4:

(Start: 148 @3337 has 57 MA's), (Start: 222 @3457 has 4 MA's), (266, 3556), (421, 3820), (580, 4093), (675, 4252), (699, 4300), (705, 4330), (713, 4354), (799, 4528), (864, 4648),

Gene: Conan_8 Start: 3902, Stop: 5335, Start Num: 155

Candidate Starts for Conan_8:

(Start: 155 @3902 has 140 MA's), (Start: 222 @4019 has 4 MA's), (246, 4067), (249, 4079), (371, 4322), (432, 4409), (466, 4469), (477, 4487), (479, 4493), (534, 4592), (573, 4667), (579, 4685), (610, 4724), (629, 4760), (669, 4862), (735, 5024), (741, 5042), (773, 5099), (812, 5189), (827, 5231), (882, 5297), (908, 5321),

Gene: ConceptII_12 Start: 8910, Stop: 10352, Start Num: 158

Candidate Starts for ConceptII_12:

(109, 8844), (Start: 158 @8910 has 220 MA's), (263, 9108), (365, 9321), (482, 9516), (484, 9519), (545, 9627), (584, 9699), (667, 9822), (682, 9861), (710, 9939), (712, 9945), (735, 9993), (739, 10005), (743, 10014), (762, 10047), (785, 10104), (824, 10194), (845, 10227), (857, 10239),

Gene: Confidence_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for Confidence_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (298, 2557), (314, 2605), (442, 2815), (484, 2884), (489, 2893), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: Connomayer_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Connomayer_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Conquerage_14 Start: 9923, Stop: 11410, Start Num: 127

Candidate Starts for Conquerage_14:

(Start: 127 @9923 has 330 MA's), (182, 9986), (233, 10091), (266, 10160), (329, 10301), (349, 10340), (365, 10373), (400, 10427), (482, 10550), (508, 10586), (514, 10595), (534, 10634), (545, 10661), (549, 10667), (563, 10688), (566, 10694), (587, 10739), (605, 10763), (624, 10778), (735, 11033), (741, 11051), (757, 11081), (758, 11084), (762, 11090), (810, 11201), (812, 11207), (824, 11237), (857, 11282), (867, 11291),

Gene: Conspiracy_10 Start: 7757, Stop: 9190, Start Num: 127

Candidate Starts for Conspiracy_10:

(Start: 127 @7757 has 330 MA's), (247, 7925), (252, 7940), (255, 7946), (329, 8114), (343, 8141), (382, 8219), (449, 8300), (488, 8372), (489, 8375), (534, 8447), (549, 8480), (563, 8501), (577, 8531), (605, 8576), (710, 8792), (735, 8846), (741, 8864), (762, 8903), (812, 9020), (824, 9050), (842, 9080), (867, 9104),

Gene: Constance_3 Start: 2384, Stop: 3745, Start Num: 145

Candidate Starts for Constance_3:

(Start: 145 @2384 has 30 MA's), (218, 2501), (244, 2552), (249, 2570), (264, 2606), (298, 2654), (353, 2780), (400, 2861), (419, 2891), (476, 2966), (513, 3035), (559, 3125), (569, 3140), (672, 3332), (695, 3386), (741, 3506), (789, 3596), (851, 3710),

Gene: Coog_10 Start: 7907, Stop: 9340, Start Num: 127

Candidate Starts for Coog_10:

(Start: 127 @7907 has 330 MA's), (241, 8063), (247, 8075), (252, 8090), (255, 8096), (329, 8264), (343, 8291), (382, 8369), (449, 8450), (488, 8522), (489, 8525), (534, 8597), (549, 8630), (563, 8651), (573, 8669), (577, 8681), (605, 8726), (710, 8942), (735, 8996), (741, 9014), (762, 9053), (812, 9170), (824, 9200), (842, 9230), (867, 9254),

Gene: CookieBear_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for CookieBear_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Cookiedough_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Cookiedough_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Corazon_34 Start: 12812, Stop: 14377, Start Num: 76

Candidate Starts for Corazon_34:

(Start: 76 @12812 has 19 MA's), (165, 12929), (231, 13049), (255, 13094), (258, 13103), (308, 13193), (323, 13241), (324, 13244), (353, 13286), (355, 13289), (368, 13313), (423, 13385), (425, 13388), (450, 13427), (460, 13448), (462, 13451), (488, 13496), (539, 13586), (542, 13595), (549, 13604), (574, 13646), (575, 13649), (592, 13688), (619, 13730), (625, 13736), (628, 13739), (647, 13784), (674, 13853), (710, 13952), (714, 13964), (763, 14063), (789, 14129), (802, 14150), (807, 14165), (856, 14258), (870, 14273),

Gene: Corium_3 Start: 2291, Stop: 3625, Start Num: 180

Candidate Starts for Corium_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (833, 3593),

Gene: Cornie_3 Start: 2288, Stop: 3727, Start Num: 106

Candidate Starts for Cornie_3:

(62, 2216), (71, 2234), (Start: 82 @2258 has 1 MA's), (Start: 106 @2288 has 1 MA's), (113, 2297), (188, 2408), (199, 2438), (202, 2453), (215, 2468), (232, 2498), (238, 2510), (240, 2513), (252, 2543), (255, 2549), (258, 2558), (259, 2561), (263, 2570), (302, 2639), (309, 2663), (321, 2696), (332, 2714), (333, 2717), (379, 2771), (401, 2804), (453, 2888), (463, 2903), (491, 2936), (584, 3086), (612, 3152), (621, 3170), (644, 3218), (672, 3296), (686, 3335), (704, 3380), (705, 3383), (728, 3440), (734, 3449), (738, 3461), (741, 3470), (775, 3545), (790, 3584), (806, 3614), (818, 3650),

Gene: Cornucopia_4 Start: 2201, Stop: 3622, Start Num: 151

Candidate Starts for Cornucopia_4:

(Start: 151 @2201 has 63 MA's), (172, 2228), (182, 2240), (246, 2369), (253, 2390), (266, 2420), (305, 2489), (314, 2510), (324, 2546), (327, 2552), (345, 2576), (347, 2579), (381, 2654), (384, 2660), (415, 2705), (441, 2747), (495, 2849), (500, 2858), (501, 2861), (506, 2870), (527, 2900), (531, 2909), (546, 2948), (557, 2966), (558, 2969), (575, 2999), (637, 3056), (652, 3095), (670, 3140), (677, 3158), (687, 3185), (697, 3197), (699, 3200), (701, 3206), (713, 3254), (768, 3362), (803, 3434), (808, 3449), (811, 3458), (812, 3461), (835, 3521), (845, 3533), (870, 3557), (889, 3581),

Gene: Corvo_12 Start: 8854, Stop: 10296, Start Num: 158

Candidate Starts for Corvo_12:

(109, 8788), (Start: 158 @8854 has 220 MA's), (263, 9052), (365, 9265), (482, 9460), (489, 9472), (545, 9571), (667, 9766), (682, 9805), (710, 9883), (712, 9889), (735, 9937), (739, 9949), (743, 9958), (785, 10048), (824, 10138), (845, 10171), (857, 10183),

Gene: CosmicBrownie_3 Start: 2347, Stop: 3684, Start Num: 155

Candidate Starts for CosmicBrownie_3:

(Start: 129 @2320 has 6 MA's), (Start: 140 @2335 has 4 MA's), (Start: 155 @2347 has 140 MA's), (188, 2389), (224, 2458), (229, 2470), (301, 2611), (353, 2728), (365, 2752), (382, 2785), (496, 2953), (541, 3037), (549, 3049), (551, 3052), (565, 3076), (585, 3118), (667, 3244), (669, 3250), (713, 3370), (734, 3412), (768, 3478), (785, 3526), (824, 3610), (825, 3613), (828, 3619), (877, 3670),

Gene: CosmicSans_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for CosmicSans_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Cosmo_27 Start: 9741, Stop: 11180, Start Num: 132

Candidate Starts for Cosmo_27:

(Start: 110 @9708 has 11 MA's), (Start: 126 @9732 has 23 MA's), (Start: 132 @9741 has 11 MA's), (174, 9792), (182, 9804), (188, 9816), (249, 9948), (252, 9954), (253, 9957), (255, 9960), (263, 9981), (266, 9987), (304, 10047), (305, 10056), (314, 10077), (358, 10155), (482, 10335), (501, 10365), (512, 10383), (522, 10398), (535, 10425), (550, 10458), (557, 10470), (558, 10473), (580, 10518), (620, 10554), (634, 10575), (661, 10638), (682, 10689), (710, 10761), (735, 10815), (738, 10824), (778, 10905), (789, 10935), (811, 10977), (821, 11004), (855, 11055), (862, 11064), (914, 11121), (936, 11160),

Gene: Cota_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Cota_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (301, 2135), (314, 2174), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (383, 2315), (385, 2318), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (464, 2414), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737, 2930), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: Cozz_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Cozz_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Crater_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for Crater_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (242, 2342), (246, 2351), (247, 2354), (300, 2441), (301, 2444), (319, 2498), (335, 2546), (348, 2561), (355, 2573), (368, 2597), (390, 2636), (435, 2687), (447, 2705), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (542, 2873), (549, 2882), (575, 2927), (583, 2945), (587, 2954), (631, 3023), (647, 3065), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: Crescenzo_4 Start: 2274, Stop: 3608, Start Num: 155

Candidate Starts for Crescenzo_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (182, 2301), (224, 2382), (229, 2394), (240, 2418), (353, 2652), (365, 2676), (418, 2757), (477, 2844), (482, 2859), (498, 2880), (541, 2961), (549, 2973), (551, 2976), (565, 3000), (585, 3042), (667, 3168), (679, 3198), (692, 3231), (713, 3294), (758, 3387), (768, 3402), (787, 3453), (791, 3462), (824, 3534), (828, 3543), (877, 3594),

Gene: Crespo_3 Start: 1889, Stop: 3403, Start Num: 105

Candidate Starts for Crespo_3:

(14, 1322), (24, 1490), (26, 1505), (39, 1634), (Start: 105 @1889 has 79 MA's), (161, 1952), (164, 1955), (173, 1964), (246, 2096), (315, 2243), (316, 2246), (362, 2336), (382, 2375), (390, 2387), (439, 2450), (442, 2456), (471, 2498), (494, 2531), (532, 2594), (549, 2633), (574, 2675), (591, 2720), (602, 2744), (614, 2753), (649, 2810), (666, 2852), (673, 2870), (674, 2873), (735, 3029), (776, 3119), (789, 3155), (811, 3206), (821, 3230),

Gene: Crewmate_4 Start: 2695, Stop: 4074, Start Num: 148

Candidate Starts for Crewmate_4:

(Start: 148 @2695 has 57 MA's), (Start: 222 @2815 has 4 MA's), (266, 2914), (421, 3178), (484, 3271), (580, 3451), (675, 3607), (699, 3655), (705, 3685), (713, 3709), (799, 3883), (813, 3928), (864, 4003),

Gene: CrimD_9 Start: 2995, Stop: 4548, Start Num: 83

Candidate Starts for CrimD_9:

(44, 2866), (46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (266, 3283), (305, 3352), (314, 3373), (326, 3412), (362, 3481), (369, 3496), (414, 3571), (428, 3592), (458, 3646), (522, 3766), (537, 3799), (546, 3820), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: Crispicous1_11 Start: 8138, Stop: 9580, Start Num: 158

Candidate Starts for Crispicous1_11:

(109, 8072), (Start: 158 @8138 has 220 MA's), (263, 8336), (365, 8549), (482, 8744), (489, 8756), (545, 8855), (584, 8927), (667, 9050), (682, 9089), (710, 9167), (712, 9173), (735, 9221), (739, 9233), (743, 9242), (785, 9332), (824, 9422), (845, 9455), (857, 9467),

Gene: Croquant_15 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Croquant_15:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Crossroads_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Crossroads_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (626, 3478), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Crucio_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for Crucio_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (587, 9983), (667, 10106), (735,

10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: Cruella_13 Start: 8780, Stop: 10342, Start Num: 129

Candidate Starts for Cruella_13:

(Start: 117 @8765 has 8 MA's), (Start: 129 @8780 has 6 MA's), (178, 8843), (188, 8864), (201, 8906), (234, 8966), (238, 8975), (244, 8984), (258, 9023), (305, 9119), (355, 9239), (360, 9245), (389, 9308), (394, 9314), (477, 9428), (487, 9449), (515, 9503), (532, 9527), (570, 9602), (576, 9617), (581, 9632), (641, 9737), (646, 9746), (684, 9854), (739, 9986), (764, 10049), (782, 10094), (804, 10139), (806, 10145), (813, 10172), (818, 10181), (824, 10196), (899, 10280),

Gene: Crumble_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Crumble_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Cuco_10 Start: 7938, Stop: 9371, Start Num: 127

Candidate Starts for Cuco_10:

(Start: 127 @7938 has 330 MA's), (241, 8094), (247, 8106), (252, 8121), (255, 8127), (329, 8295), (343, 8322), (382, 8400), (449, 8481), (488, 8553), (489, 8556), (534, 8628), (549, 8661), (563, 8682), (573, 8700), (577, 8712), (605, 8757), (710, 8973), (735, 9027), (741, 9045), (762, 9084), (802, 9171), (812, 9201), (824, 9231), (842, 9261), (867, 9285),

Gene: Cucurbita_33 Start: 11733, Stop: 13349, Start Num: 104

Candidate Starts for Cucurbita_33:

(Start: 104 @11733 has 19 MA's), (Start: 143 @11784 has 5 MA's), (Start: 151 @11793 has 63 MA's), (Start: 193 @11853 has 1 MA's), (Start: 222 @11910 has 4 MA's), (240, 11946), (258, 11991), (269, 12018), (365, 12222), (379, 12252), (403, 12288), (431, 12333), (435, 12342), (444, 12357), (532, 12495), (533, 12498), (539, 12516), (541, 12522), (566, 12564), (644, 12756), (675, 12843), (686, 12873), (704, 12918), (722, 12966), (730, 12981), (756, 13044), (769, 13068), (771, 13074), (775, 13083), (806, 13152), (824, 13203), (825, 13206), (829, 13218),

Gene: Cueyliss_12 Start: 8807, Stop: 10291, Start Num: 158

Candidate Starts for Cueyliss_12:

(109, 8741), (Start: 158 @8807 has 220 MA's), (263, 9005), (365, 9218), (482, 9413), (489, 9425), (545, 9524), (584, 9596), (667, 9719), (682, 9758), (710, 9836), (712, 9842), (735, 9890), (739, 9902), (743, 9911), (785, 10001), (824, 10091), (845, 10124), (857, 10136),

Gene: Cullens_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Cullens_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Culver_31 Start: 10194, Stop: 11810, Start Num: 104

Candidate Starts for Culver_31:

(Start: 104 @10194 has 19 MA's), (Start: 143 @10245 has 5 MA's), (Start: 151 @10254 has 63 MA's), (Start: 193 @10314 has 1 MA's), (Start: 222 @10371 has 4 MA's), (238, 10404), (240, 10407), (258,

10452), (269, 10479), (365, 10683), (379, 10713), (403, 10749), (431, 10794), (435, 10803), (444, 10818), (533, 10959), (539, 10977), (541, 10983), (566, 11025), (644, 11217), (675, 11304), (686, 11334), (704, 11379), (722, 11427), (730, 11442), (756, 11505), (769, 11529), (771, 11535), (775, 11544), (806, 11613), (824, 11664), (825, 11667), (829, 11679),

Gene: Curiosium_10 Start: 3386, Stop: 4957, Start Num: 75

Candidate Starts for Curiosium_10:

(46, 3293), (Start: 75 @3386 has 32 MA's), (Start: 83 @3401 has 142 MA's), (Start: 134 @3449 has 1 MA's), (175, 3497), (182, 3506), (186, 3515), (Start: 222 @3587 has 4 MA's), (232, 3611), (248, 3644), (252, 3653), (305, 3755), (314, 3776), (319, 3791), (324, 3812), (327, 3818), (362, 3881), (369, 3896), (388, 3935), (428, 3992), (522, 4166), (546, 4220), (555, 4235), (558, 4241), (575, 4271), (635, 4322), (666, 4400), (670, 4412), (672, 4415), (676, 4427), (677, 4430), (682, 4442), (699, 4466), (741, 4583), (785, 4676), (787, 4679), (803, 4700), (811, 4724), (812, 4727), (813, 4736), (857, 4811), (899, 4859),

Gene: Cyan_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Cyan_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (439, 2767), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: D29_14 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for D29_14:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (355, 9588), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: D32_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for D32_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (355, 9588), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: DBQu4n_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for DBQu4n_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: DD5_13 Start: 9389, Stop: 10831, Start Num: 158

Candidate Starts for DD5_13:

(109, 9323), (Start: 158 @9389 has 220 MA's), (263, 9587), (365, 9800), (482, 9995), (489, 10007), (545, 10106), (667, 10301), (682, 10340), (710, 10418), (712, 10424), (734, 10469), (735, 10472), (739, 10484), (743, 10493), (762, 10526), (785, 10583), (824, 10673), (845, 10706), (857, 10718),

Gene: DHan_5 Start: 2586, Stop: 4241, Start Num: 131

Candidate Starts for DHan_5:

(Start: 131 @2586 has 70 MA's), (182, 2649), (219, 2727), (253, 2796), (263, 2820), (266, 2826), (305, 2898), (319, 2934), (327, 2961), (367, 3012), (441, 3105), (469, 3144), (492, 3201), (495, 3207), (501, 3219), (506, 3228), (510, 3234), (512, 3237), (527, 3258), (535, 3279), (537, 3285), (557, 3324), (622, 3420), (638, 3447), (682, 3555), (684, 3561), (720, 3654), (734, 3681), (767, 3744), (775, 3765), (782,

3786), (799, 3813), (803, 3822), (824, 3882), (840, 3912), (849, 3921), (855, 3927), (919, 4017), (925, 4029), (938, 4062), (945, 4101), (956, 4206),

Gene: DLane_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for DLane_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: DMoney_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for DMoney_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: DNAIII_003 Start: 1897, Stop: 3411, Start Num: 105

Candidate Starts for DNAIII_003:

(14, 1330), (24, 1498), (26, 1513), (39, 1642), (Start: 105 @1897 has 79 MA's), (161, 1960), (164, 1963), (173, 1972), (246, 2104), (315, 2251), (316, 2254), (362, 2344), (382, 2383), (390, 2395), (439, 2458), (442, 2464), (471, 2506), (494, 2539), (532, 2602), (549, 2641), (574, 2683), (591, 2728), (602, 2752), (614, 2761), (649, 2818), (666, 2860), (673, 2878), (674, 2881), (735, 3037), (776, 3127), (789, 3163), (811, 3214), (821, 3238),

Gene: DRBy19_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for DRBy19_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: DS6A_6 Start: 3643, Stop: 5166, Start Num: 151

Candidate Starts for DS6A_6:

(Start: 151 @3643 has 63 MA's), (175, 3673), (182, 3682), (186, 3691), (194, 3709), (201, 3736), (Start: 222 @3763 has 4 MA's), (248, 3820), (249, 3823), (259, 3847), (266, 3862), (305, 3931), (314, 3952), (319, 3967), (327, 3994), (345, 4018), (425, 4162), (441, 4189), (442, 4192), (466, 4237), (480, 4273), (488, 4288), (495, 4306), (500, 4315), (501, 4318), (524, 4354), (555, 4420), (558, 4426), (575, 4456), (598, 4477), (624, 4498), (633, 4513), (637, 4522), (677, 4621), (682, 4633), (697, 4660), (709, 4705), (716, 4726), (734, 4759), (741, 4780), (782, 4861), (811, 4927), (812, 4930), (813, 4939), (824, 4963), (838, 4993), (928, 5104),

Gene: DaHudson_14 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for DaHudson_14:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563,

9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: DaVinci_16 Start: 9285, Stop: 10748, Start Num: 127

Candidate Starts for DaVinci_16:

(Start: 127 @9285 has 330 MA's), (Start: 143 @9306 has 5 MA's), (182, 9345), (225, 9432), (230, 9444), (233, 9450), (365, 9732), (504, 9945), (534, 9996), (545, 10023), (549, 10029), (563, 10050), (743, 10416), (757, 10443), (762, 10452), (787, 10512), (812, 10569), (824, 10599), (842, 10629), (870, 10656),

Gene: DaWorst_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for DaWorst_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: DaddyRickover_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for DaddyRickover_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Dadosky_7 Start: 2788, Stop: 4326, Start Num: 83

Candidate Starts for Dadosky_7:

(Start: 83 @2788 has 142 MA's), (175, 2890), (182, 2899), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (326, 3208), (327, 3211), (359, 3265), (369, 3286), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (555, 3625), (558, 3631), (624, 3694), (635, 3712), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (711, 3907), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: Daenerys_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Daenerys_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Daishi_13 Start: 7579, Stop: 9033, Start Num: 124

Candidate Starts for Daishi_13:

(Start: 124 @7579 has 299 MA's), (Start: 157 @7609 has 14 MA's), (182, 7636), (233, 7741), (298, 7855), (320, 7921), (343, 7978), (382, 8056), (384, 8059), (482, 8200), (545, 8311), (549, 8317), (563, 8338), (663, 8503), (710, 8629), (735, 8683), (737, 8689), (743, 8704), (762, 8740), (802, 8827), (812, 8857), (824, 8887), (857, 8932), (867, 8941),

Gene: Dalilpop_30 Start: 16300, Stop: 17877, Start Num: 121

Candidate Starts for Dalilpop_30:

(Start: 121 @16300 has 32 MA's), (266, 16576), (440, 16912), (502, 16999), (570, 17116), (581, 17146), (633, 17227), (684, 17368), (722, 17467), (735, 17491), (738, 17500), (750, 17536), (759, 17560), (799, 17644), (803, 17653), (814, 17692), (818, 17698),

Gene: Dalmatian_13 Start: 9320, Stop: 10783, Start Num: 127

Candidate Starts for Dalmatian_13:

(Start: 127 @9320 has 330 MA's), (182, 9380), (233, 9485), (324, 9683), (365, 9767), (382, 9800), (466, 9911), (534, 10028), (545, 10055), (549, 10061), (563, 10082), (566, 10088), (587, 10133), (667, 10256), (735, 10427), (741, 10445), (743, 10448), (757, 10475), (762, 10484), (812, 10601), (824, 10631), (842, 10661), (867, 10685),

Gene: Dalmuri_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Dalmuri_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: DanBing_4 Start: 2470, Stop: 4125, Start Num: 131

Candidate Starts for DanBing_4:

(Start: 131 @2470 has 70 MA's), (182, 2533), (219, 2611), (253, 2680), (263, 2704), (266, 2710), (305, 2782), (319, 2818), (327, 2845), (367, 2896), (441, 2989), (469, 3028), (492, 3085), (495, 3091), (501, 3103), (506, 3112), (510, 3118), (512, 3121), (527, 3142), (535, 3163), (537, 3169), (557, 3208), (622, 3304), (638, 3331), (682, 3439), (684, 3445), (720, 3538), (734, 3565), (767, 3628), (775, 3649), (782, 3670), (799, 3697), (803, 3706), (824, 3766), (840, 3796), (849, 3805), (855, 3811), (919, 3901), (925, 3913), (938, 3946), (956, 4090),

Gene: DanSyl44_10 Start: 3935, Stop: 5521, Start Num: 81

Candidate Starts for DanSyl44_10:

(Start: 75 @3920 has 32 MA's), (Start: 81 @3935 has 28 MA's), (Start: 101 @3959 has 1 MA's), (Start: 154 @4025 has 46 MA's), (186, 4070), (Start: 222 @4142 has 4 MA's), (248, 4199), (252, 4208), (253, 4211), (266, 4241), (305, 4310), (314, 4331), (324, 4367), (327, 4373), (345, 4397), (362, 4433), (369, 4448), (388, 4487), (476, 4622), (479, 4631), (488, 4649), (500, 4676), (501, 4679), (522, 4712), (537, 4745), (546, 4766), (558, 4787), (624, 4850), (637, 4874), (645, 4898), (666, 4946), (670, 4958), (675, 4970), (677, 4976), (697, 5015), (739, 5129), (741, 5135), (803, 5306), (812, 5333), (813, 5342), (845, 5405), (857, 5417),

Gene: Danforth_9 Start: 7437, Stop: 8867, Start Num: 127

Candidate Starts for Danforth_9:

(Start: 127 @7437 has 330 MA's), (232, 7587), (308, 7734), (365, 7869), (449, 7980), (482, 8043), (514, 8088), (545, 8154), (563, 8181), (663, 8346), (702, 8448), (735, 8526), (737, 8532), (762, 8583), (812, 8700), (824, 8730), (867, 8784),

Gene: Dante_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Dante_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576,

2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Danzina_8 Start: 4255, Stop: 5691, Start Num: 155

Candidate Starts for Danzina_8:

(Start: 144 @4249 has 15 MA's), (Start: 155 @4255 has 140 MA's), (174, 4279), (188, 4303), (Start: 222 @4372 has 4 MA's), (246, 4420), (266, 4471), (328, 4624), (361, 4654), (412, 4738), (444, 4780), (479, 4846), (530, 4936), (534, 4948), (579, 5041), (629, 5119), (645, 5164), (669, 5221), (678, 5245), (760, 5434), (773, 5458), (908, 5677),

Gene: Daredevil_13 Start: 6745, Stop: 8310, Start Num: 102

Candidate Starts for Daredevil_13:

(Start: 102 @6745 has 24 MA's), (Start: 143 @6796 has 5 MA's), (240, 6961), (258, 7006), (300, 7081), (301, 7084), (309, 7111), (340, 7192), (365, 7210), (366, 7213), (413, 7291), (431, 7321), (507, 7444), (541, 7504), (576, 7567), (617, 7675), (672, 7813), (686, 7852), (705, 7900), (713, 7924), (741, 7987), (784, 8092), (806, 8131), (824, 8182), (825, 8185), (829, 8197),

Gene: Darionha_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Darionha_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Darrell_15 Start: 10119, Stop: 11597, Start Num: 127

Candidate Starts for Darrell_15:

(Start: 127 @10119 has 330 MA's), (135, 10131), (182, 10179), (233, 10284), (320, 10464), (329, 10494), (365, 10566), (482, 10743), (508, 10779), (514, 10788), (534, 10827), (545, 10854), (549, 10860), (563, 10881), (587, 10932), (605, 10956), (624, 10971), (735, 11226), (741, 11244), (757, 11274), (758, 11277), (762, 11283), (802, 11370), (810, 11394), (812, 11400), (824, 11430), (857, 11475), (867, 11484),

Gene: DartGoblin_9 Start: 2963, Stop: 4525, Start Num: 75

Candidate Starts for DartGoblin_9:

(46, 2876), (Start: 75 @2963 has 32 MA's), (Start: 83 @2978 has 142 MA's), (175, 3074), (182, 3083), (186, 3092), (215, 3155), (Start: 222 @3164 has 4 MA's), (232, 3188), (248, 3221), (266, 3263), (305, 3332), (314, 3353), (324, 3389), (362, 3458), (368, 3470), (414, 3548), (428, 3569), (444, 3599), (458, 3623), (522, 3743), (537, 3776), (546, 3797), (558, 3818), (575, 3848), (624, 3881), (635, 3899), (666, 3977), (670, 3989), (672, 3992), (676, 4004), (677, 4007), (699, 4043), (711, 4091), (735, 4142), (741, 4160), (787, 4256), (803, 4277), (812, 4304), (813, 4313), (873, 4403),

Gene: DARTH_P_8 Start: 2823, Stop: 4376, Start Num: 83

Candidate Starts for DARTH_P_8:

(46, 2718), (Start: 75 @2808 has 32 MA's), (Start: 83 @2823 has 142 MA's), (175, 2922), (182, 2931), (185, 2937), (Start: 222 @3012 has 4 MA's), (232, 3036), (248, 3069), (281, 3129), (305, 3180), (314, 3201), (319, 3216), (362, 3306), (369, 3321), (414, 3396), (428, 3417), (441, 3441), (479, 3510), (501, 3558), (522, 3591), (527, 3597), (537, 3624), (546, 3645), (558, 3666), (624, 3729), (635, 3747), (666, 3825), (670, 3837), (672, 3840), (677, 3855), (687, 3882), (711, 3939), (734, 3987), (735, 3990), (741, 4008), (751, 4029), (767, 4050), (780, 4089), (787, 4104), (811, 4149), (812, 4152), (813, 4161), (828, 4197), (835, 4212),

Gene: DARTHPhader_14 Start: 10104, Stop: 11573, Start Num: 127

Candidate Starts for DARTHPhader_14:

(Start: 127 @10104 has 330 MA's), (182, 10164), (225, 10251), (233, 10269), (298, 10383), (329, 10479), (355, 10533), (365, 10551), (382, 10584), (481, 10725), (534, 10812), (545, 10839), (549, 10845), (563, 10866), (587, 10917), (735, 11211), (741, 11229), (749, 11247), (757, 11259), (762, 11268), (787, 11328), (812, 11385), (824, 11415), (828, 11424), (842, 11445), (867, 11469),

Gene: Dartin_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for Dartin_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: Darwin_16 Start: 9510, Stop: 11087, Start Num: 117

Candidate Starts for Darwin_16:

(Start: 117 @9510 has 8 MA's), (Start: 129 @9525 has 6 MA's), (178, 9588), (188, 9609), (201, 9651), (234, 9711), (238, 9720), (244, 9729), (305, 9864), (355, 9984), (360, 9990), (389, 10053), (394, 10059), (477, 10173), (487, 10194), (515, 10248), (532, 10272), (570, 10347), (576, 10362), (581, 10377), (641, 10482), (646, 10491), (684, 10599), (696, 10620), (713, 10674), (739, 10731), (764, 10794), (782, 10839), (804, 10884), (806, 10890), (813, 10917), (818, 10926), (824, 10941), (899, 11025),

Gene: DarwinJr_6 Start: 3410, Stop: 4744, Start Num: 155

Candidate Starts for DarwinJr_6:

(Start: 140 @3398 has 4 MA's), (Start: 155 @3410 has 140 MA's), (182, 3437), (224, 3518), (229, 3530), (240, 3554), (353, 3788), (365, 3812), (418, 3893), (477, 3980), (482, 3995), (498, 4016), (541, 4097), (549, 4109), (551, 4112), (565, 4136), (585, 4178), (667, 4304), (679, 4334), (692, 4367), (713, 4430), (758, 4523), (768, 4538), (787, 4589), (824, 4670), (825, 4673), (828, 4679), (877, 4730),

Gene: DatBoi_14 Start: 8659, Stop: 10218, Start Num: 102

Candidate Starts for DatBoi_14:

(Start: 102 @8659 has 24 MA's), (240, 8875), (255, 8911), (258, 8920), (299, 8992), (309, 9025), (365, 9124), (366, 9127), (409, 9199), (447, 9265), (507, 9358), (532, 9391), (533, 9394), (541, 9418), (576, 9481), (590, 9520), (595, 9532), (617, 9589), (651, 9664), (672, 9727), (686, 9766), (705, 9814), (713, 9838), (741, 9901), (774, 9973), (779, 9988), (806, 10045), (820, 10084), (824, 10096), (825, 10099), (831, 10114), (835, 10123),

Gene: Dattran_8 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Dattran_8:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (266, 4272), (361, 4455), (412, 4539), (444, 4581), (530, 4737), (534, 4749), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (908, 5478),

Gene: Datway_12 Start: 8587, Stop: 10044, Start Num: 124

Candidate Starts for Datway_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (382, 9064), (476, 9193), (482, 9211), (489, 9223), (508, 9247), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (743, 9730), (757, 9757), (798, 9847), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: Daudau_7 Start: 3834, Stop: 5315, Start Num: 155

Candidate Starts for Daudau_7:

(Start: 155 @3834 has 140 MA's), (Start: 222 @3951 has 4 MA's), (246, 3999), (266, 4050), (300, 4122), (305, 4143), (444, 4356), (479, 4422), (530, 4512), (534, 4524), (554, 4566), (573, 4599), (576, 4608), (579, 4617), (585, 4635), (626, 4734), (645, 4782), (669, 4839), (773, 5076), (813, 5175), (827, 5208), (908, 5301),

Gene: DeadP_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for DeadP_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Deano_12 Start: 8584, Stop: 10035, Start Num: 124

Candidate Starts for Deano_12:

(Start: 124 @8584 has 299 MA's), (229, 8731), (233, 8743), (316, 8911), (324, 8941), (343, 8980), (352, 8998), (382, 9058), (476, 9187), (482, 9205), (489, 9217), (545, 9316), (549, 9322), (563, 9343), (566, 9349), (599, 9418), (642, 9478), (663, 9523), (710, 9649), (711, 9652), (735, 9703), (743, 9724), (757, 9754), (798, 9844), (812, 9880), (824, 9910), (845, 9940),

Gene: Deb65_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Deb65_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Deby_9 Start: 3008, Stop: 4561, Start Num: 83

Candidate Starts for Deby_9:

(22, 2597), (38, 2765), (44, 2879), (46, 2906), (Start: 75 @2993 has 32 MA's), (Start: 83 @3008 has 142 MA's), (175, 3110), (182, 3119), (186, 3128), (Start: 222 @3200 has 4 MA's), (248, 3257), (252, 3266), (266, 3299), (267, 3302), (281, 3317), (305, 3368), (314, 3389), (369, 3509), (414, 3584), (428, 3605), (444, 3635), (501, 3746), (522, 3779), (537, 3812), (546, 3833), (558, 3854), (575, 3884), (624, 3917), (635, 3935), (666, 4013), (670, 4025), (672, 4028), (676, 4040), (677, 4043), (699, 4079), (711, 4127), (735, 4178), (741, 4196), (787, 4292), (803, 4313), (812, 4340), (813, 4349), (828, 4385), (873, 4439),

Gene: DeerParkTS_14 Start: 9269, Stop: 10729, Start Num: 127

Candidate Starts for DeerParkTS_14:

(Start: 127 @9269 has 330 MA's), (135, 9281), (182, 9329), (233, 9434), (324, 9632), (365, 9716), (382, 9749), (466, 9860), (482, 9893), (534, 9977), (545, 10004), (549, 10010), (563, 10031), (566, 10037), (587, 10082), (735, 10376), (741, 10394), (743, 10397), (757, 10424), (762, 10433), (812, 10550), (824, 10580), (842, 10610), (867, 10634),

Gene: DekHockey33_15 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for DekHockey33_15:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: Deloris_14 Start: 9652, Stop: 11112, Start Num: 127

Candidate Starts for Deloris_14:

(Start: 127 @9652 has 330 MA's), (182, 9712), (233, 9817), (355, 10081), (365, 10099), (382, 10132), (466, 10243), (545, 10387), (549, 10393), (563, 10414), (566, 10420), (587, 10465), (675, 10609), (709, 10702), (720, 10729), (735, 10759), (741, 10777), (743, 10780), (757, 10807), (762, 10816), (812, 10933), (818, 10948), (824, 10963), (842, 10993), (867, 11017),

Gene: DelvinSonDorr_15 Start: 9296, Stop: 10738, Start Num: 143

Candidate Starts for DelvinSonDorr_15:

(Start: 127 @9275 has 330 MA's), (Start: 143 @9296 has 5 MA's), (182, 9335), (225, 9422), (230, 9434), (233, 9440), (365, 9722), (504, 9935), (534, 9986), (545, 10013), (549, 10019), (563, 10040), (743, 10406), (757, 10433), (762, 10442), (787, 10502), (812, 10559), (824, 10589), (842, 10619), (870, 10646),

Gene: Demsculpinboyz_4 Start: 2181, Stop: 3605, Start Num: 123

Candidate Starts for Demsculpinboyz_4:

(Start: 123 @2181 has 47 MA's), (Start: 154 @2214 has 46 MA's), (192, 2268), (224, 2328), (226, 2337), (246, 2370), (258, 2403), (270, 2433), (302, 2478), (306, 2496), (316, 2520), (319, 2529), (352, 2589), (382, 2649), (390, 2661), (421, 2694), (435, 2715), (460, 2757), (482, 2796), (494, 2808), (496, 2811), (531, 2868), (532, 2871), (534, 2877), (539, 2892), (556, 2922), (559, 2928), (596, 3006), (649, 3087), (671, 3141), (687, 3186), (696, 3201), (719, 3273), (739, 3318), (741, 3324), (787, 3432), (791, 3441), (797, 3450), (809, 3480), (813, 3495), (825, 3522),

Gene: Devera_9 Start: 3022, Stop: 4590, Start Num: 75

Candidate Starts for Devera_9:

(38, 2794), (44, 2908), (46, 2935), (Start: 75 @3022 has 32 MA's), (Start: 83 @3037 has 142 MA's), (175, 3139), (182, 3148), (Start: 222 @3229 has 4 MA's), (232, 3253), (252, 3295), (266, 3328), (305, 3397), (314, 3418), (327, 3460), (362, 3523), (369, 3538), (414, 3613), (428, 3634), (444, 3664), (501, 3775), (522, 3808), (537, 3841), (558, 3883), (575, 3913), (624, 3946), (635, 3964), (666, 4042), (670, 4054), (672, 4057), (676, 4069), (677, 4072), (699, 4108), (711, 4156), (741, 4225), (758, 4255), (787, 4321), (803, 4342), (812, 4369), (813, 4378), (828, 4414), (873, 4468),

Gene: Dexers_6 Start: 3895, Stop: 5328, Start Num: 155

Candidate Starts for Dexers_6:

(Start: 155 @3895 has 140 MA's), (Start: 222 @4012 has 4 MA's), (246, 4060), (249, 4072), (371, 4315), (432, 4402), (466, 4462), (477, 4480), (479, 4486), (534, 4585), (557, 4633), (573, 4660), (579, 4678), (610, 4717), (629, 4753), (669, 4855), (734, 5014), (735, 5017), (741, 5035), (773, 5092), (801, 5149), (812, 5182), (827, 5224), (882, 5290), (908, 5314),

Gene: Dexes_13 Start: 9294, Stop: 10736, Start Num: 158

Candidate Starts for Dexes_13:

(109, 9228), (Start: 158 @9294 has 220 MA's), (365, 9705), (482, 9900), (489, 9912), (545, 10011), (584, 10083), (667, 10206), (682, 10245), (710, 10323), (712, 10329), (735, 10377), (739, 10389), (743, 10398), (785, 10488), (824, 10578), (845, 10611), (857, 10623),

Gene: Dhanush_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Dhanush_12:

(Start: 124 @8581 has 299 MA's), (229, 8728), (233, 8740), (316, 8908), (324, 8938), (343, 8977), (352, 8995), (382, 9055), (476, 9184), (482, 9202), (545, 9313), (549, 9319), (563, 9340), (566, 9346), (599, 9415), (642, 9475), (663, 9520), (710, 9646), (711, 9649), (735, 9700), (737, 9706), (743, 9721), (757, 9751), (798, 9841), (812, 9877), (816, 9889), (824, 9907), (845, 9937),

Gene: Diane_7 Start: 3828, Stop: 5303, Start Num: 155

Candidate Starts for Diane_7:

(Start: 155 @3828 has 140 MA's), (Start: 222 @3945 has 4 MA's), (253, 4014), (266, 4044), (305, 4137), (477, 4410), (534, 4515), (573, 4590), (579, 4608), (583, 4620), (585, 4626), (645, 4773), (667, 4824), (669, 4830), (687, 4878), (741, 5010), (773, 5067), (812, 5157), (908, 5289),

Gene: Dieselweasel_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for Dieselweasel_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: Dignity_15 Start: 9619, Stop: 11079, Start Num: 127

Candidate Starts for Dignity_15:

(Start: 127 @9619 has 330 MA's), (182, 9679), (233, 9784), (324, 9982), (365, 10066), (382, 10099), (482, 10243), (534, 10327), (545, 10354), (549, 10360), (563, 10381), (566, 10387), (587, 10432), (735, 10726), (741, 10744), (743, 10747), (757, 10774), (762, 10783), (812, 10900), (824, 10930), (842, 10960), (867, 10984),

Gene: DillTech15_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for DillTech15_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Diminimus_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Diminimus_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: DingDing_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for DingDing_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Ding_4 Start: 2271, Stop: 3602, Start Num: 155

Candidate Starts for Ding_4:

(Start: 140 @2259 has 4 MA's), (Start: 155 @2271 has 140 MA's), (182, 2301), (224, 2382), (229, 2394), (301, 2535), (327, 2616), (353, 2646), (355, 2652), (365, 2670), (450, 2796), (482, 2853), (484, 2856), (498, 2874), (538, 2946), (541, 2955), (549, 2967), (551, 2970), (565, 2994), (660, 3147), (667, 3162), (670, 3171), (710, 3279), (713, 3288), (734, 3330), (738, 3342), (739, 3345), (802, 3468), (812, 3498), (824, 3528), (828, 3537), (877, 3588),

Gene: Dinger_9 Start: 4831, Stop: 6261, Start Num: 124

Candidate Starts for Dinger_9:

(Start: 124 @4831 has 299 MA's), (247, 5008), (255, 5029), (266, 5056), (273, 5071), (308, 5134), (349, 5233), (355, 5248), (449, 5377), (488, 5449), (538, 5536), (541, 5545), (545, 5551), (574, 5599), (624, 5668), (630, 5677), (663, 5743), (667, 5752), (721, 5896), (741, 5941), (743, 5944), (787, 6037), (812, 6094), (824, 6124), (836, 6151), (848, 6163), (854, 6169),

Gene: DirkDirk_5 Start: 2626, Stop: 4299, Start Num: 131

Candidate Starts for DirkDirk_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4264),

Gene: DirtDevil_13 Start: 9244, Stop: 10686, Start Num: 158

Candidate Starts for DirtDevil_13:

(109, 9178), (Start: 158 @9244 has 220 MA's), (263, 9442), (365, 9655), (482, 9850), (489, 9862), (545, 9961), (667, 10156), (682, 10195), (710, 10273), (712, 10279), (735, 10327), (739, 10339), (743, 10348), (785, 10438), (824, 10528), (845, 10561), (857, 10573),

Gene: DirtMcgirt_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for DirtMcgirt_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (441, 2746), (495, 2848), (501, 2860), (506, 2869), (527, 2899), (531, 2908), (546, 2947), (557, 2965), (558, 2968), (575, 2998), (637, 3055), (652, 3094), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: DirtyDunning_12 Start: 8574, Stop: 10025, Start Num: 124

Candidate Starts for DirtyDunning_12:

(Start: 124 @8574 has 299 MA's), (233, 8733), (316, 8901), (324, 8931), (343, 8970), (352, 8988), (382, 9048), (476, 9177), (482, 9195), (545, 9306), (549, 9312), (563, 9333), (566, 9339), (599, 9408), (642, 9468), (663, 9513), (710, 9639), (711, 9642), (735, 9693), (737, 9699), (743, 9714), (757, 9744), (798, 9834), (812, 9870), (824, 9900), (845, 9930),

Gene: Discoknowium_10 Start: 8047, Stop: 9480, Start Num: 127

Candidate Starts for Discoknowium_10:

(Start: 127 @8047 has 330 MA's), (225, 8176), (229, 8182), (266, 8263), (329, 8404), (343, 8431), (382, 8509), (449, 8590), (482, 8653), (484, 8656), (488, 8662), (489, 8665), (534, 8737), (549, 8770), (563, 8791), (577, 8821), (710, 9082), (735, 9136), (741, 9154), (762, 9193), (812, 9310), (824, 9340), (857, 9385), (867, 9394),

Gene: DismalFunk_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for DismalFunk_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (527, 2853), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: DismalStressor_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for DismalStressor_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (527, 2853), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: Dixon_10 Start: 7456, Stop: 8886, Start Num: 127

Candidate Starts for Dixon_10:

(Start: 127 @7456 has 330 MA's), (232, 7606), (365, 7888), (449, 7999), (482, 8062), (514, 8107), (545, 8173), (563, 8200), (663, 8365), (702, 8467), (735, 8545), (737, 8551), (762, 8602), (812, 8719), (824, 8749), (867, 8803),

Gene: DoRead_3 Start: 2255, Stop: 3613, Start Num: 156

Candidate Starts for DoRead_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (375, 2687), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575),

Gene: DocMcStuffins_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for DocMcStuffins_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Doedicurus_9 Start: 4357, Stop: 6177, Start Num: 160

Candidate Starts for Doedicurus_9:

(56, 4201), (87, 4261), (Start: 111 @4291 has 1 MA's), (Start: 160 @4357 has 1 MA's), (Start: 187 @4399 has 1 MA's), (280, 4606), (395, 4891), (430, 4933), (497, 5071), (521, 5113), (523, 5119), (618, 5308), (636, 5335), (638, 5344), (675, 5440), (678, 5449), (695, 5488), (758, 5641), (786, 5704), (892, 5893), (901, 5908), (933, 5974), (944, 6022),

Gene: Dogfish_5 Start: 2670, Stop: 4142, Start Num: 157

Candidate Starts for Dogfish_5:

(Start: 157 @2670 has 14 MA's), (178, 2694), (182, 2703), (226, 2793), (256, 2853), (261, 2865), (265, 2874), (303, 2937), (318, 2982), (319, 2985), (320, 2988), (323, 3003), (324, 3006), (327, 3012), (342, 3045), (381, 3117), (412, 3162), (439, 3201), (442, 3207), (457, 3231), (482, 3279), (522, 3351), (537, 3384), (555, 3420), (561, 3429), (582, 3477), (634, 3591), (639, 3606), (649, 3630), (666, 3672), (682, 3714), (698, 3741), (702, 3765), (728, 3831), (734, 3840), (761, 3891), (785, 3942), (811, 3990), (821, 4017), (825, 4029), (844, 4062), (856, 4074),

Gene: Dole_9 Start: 3037, Stop: 4590, Start Num: 83

Candidate Starts for Dole_9:

(38, 2794), (44, 2908), (46, 2935), (Start: 75 @3022 has 32 MA's), (Start: 83 @3037 has 142 MA's), (175, 3139), (182, 3148), (Start: 222 @3229 has 4 MA's), (232, 3253), (252, 3295), (266, 3328), (305, 3397), (314, 3418), (327, 3460), (362, 3523), (369, 3538), (414, 3613), (428, 3634), (444, 3664), (501, 3775), (522, 3808), (537, 3841), (558, 3883), (575, 3913), (624, 3946), (635, 3964), (666, 4042), (670, 4054), (672, 4057), (676, 4069), (677, 4072), (699, 4108), (711, 4156), (741, 4225), (758, 4255), (787, 4321), (803, 4342), (812, 4369), (813, 4378), (828, 4414), (873, 4468),

Gene: Donkey_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Donkey_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Donkeykong_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Donkeykong_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: DontArgue_11 Start: 6632, Stop: 8071, Start Num: 124

Candidate Starts for DontArgue_11:

(Start: 124 @6632 has 299 MA's), (206, 6749), (233, 6791), (266, 6860), (320, 6971), (324, 6989), (342, 7028), (382, 7109), (449, 7190), (457, 7205), (480, 7247), (489, 7265), (534, 7337), (545, 7364), (549, 7370), (563, 7391), (599, 7463), (663, 7568), (710, 7694), (711, 7697), (735, 7748), (737, 7754), (743, 7769), (757, 7799), (762, 7808), (812, 7925), (824, 7955), (861, 8006),

Gene: Doom_12 Start: 8932, Stop: 10374, Start Num: 158

Candidate Starts for Doom_12:

(109, 8866), (Start: 158 @8932 has 220 MA's), (263, 9130), (365, 9343), (482, 9538), (489, 9550), (545, 9649), (667, 9844), (682, 9883), (710, 9961), (712, 9967), (735, 10015), (739, 10027), (743, 10036), (785, 10126), (824, 10216), (845, 10249), (857, 10261),

Gene: Doomphist_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Doomphist_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Doomslug_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Doomslug_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (527, 2898), (531, 2907), (546, 2946), (557, 2964), (558, 2967), (575, 2997), (637, 3054), (652, 3093), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Dorothea_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for Dorothea_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: Dorothy_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Dorothy_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: DosHalletts_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for DosHalletts_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (527, 2898), (531, 2907), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: DotProduct_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for DotProduct_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: DoubleChamp_7 Start: 2765, Stop: 4300, Start Num: 83

Candidate Starts for DoubleChamp_7:

(Start: 83 @2765 has 142 MA's), (Start: 154 @2837 has 46 MA's), (182, 2873), (186, 2882), (201, 2927), (248, 3011), (253, 3023), (266, 3053), (281, 3071), (305, 3122), (319, 3158), (327, 3185), (356, 3236), (359, 3239), (362, 3245), (369, 3260), (370, 3263), (414, 3335), (428, 3356), (444, 3386), (473, 3431), (495, 3485), (522, 3530), (537, 3563), (555, 3599), (557, 3602), (558, 3605), (624, 3668), (635, 3686), (637, 3692), (666, 3764), (670, 3776), (672, 3779), (677, 3794), (701, 3839), (702, 3854), (709, 3875), (734, 3929), (735, 3932), (741, 3950), (749, 3965), (780, 4031), (787, 4046), (803, 4067), (809,

4085), (813, 4103), (828, 4139), (899, 4226),

Gene: Doucette_4 Start: 2407, Stop: 3918, Start Num: 107

Candidate Starts for Doucette_4:

(Start: 107 @2407 has 4 MA's), (Start: 145 @2461 has 30 MA's), (184, 2506), (197, 2539), (229, 2596), (246, 2629), (264, 2677), (319, 2788), (322, 2800), (332, 2830), (348, 2851), (352, 2854), (354, 2860), (451, 3004), (461, 3025), (488, 3067), (531, 3133), (532, 3136), (535, 3145), (539, 3157), (549, 3175), (605, 3280), (658, 3346), (682, 3406), (687, 3421), (739, 3550), (740, 3553), (741, 3556), (749, 3577), (775, 3625), (779, 3637), (785, 3655), (822, 3739), (828, 3757), (860, 3793),

Gene: Doug_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Doug_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (215, 2348), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560), (833, 3578),

Gene: Douge_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for Douge_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (328, 2709), (332, 2718), (367, 2757), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: Doughnut_5 Start: 2085, Stop: 3590, Start Num: 81

Candidate Starts for Doughnut_5:

(43, 1944), (Start: 81 @2085 has 28 MA's), (98, 2103), (Start: 123 @2130 has 47 MA's), (Start: 154 @2151 has 46 MA's), (182, 2187), (Start: 222 @2268 has 4 MA's), (248, 2325), (253, 2337), (263, 2361), (266, 2367), (301, 2418), (305, 2436), (314, 2457), (327, 2499), (345, 2523), (362, 2559), (414, 2649), (428, 2670), (442, 2697), (467, 2739), (473, 2745), (479, 2763), (501, 2811), (522, 2844), (546, 2898), (558, 2919), (575, 2949), (624, 2982), (635, 3000), (637, 3006), (645, 3030), (670, 3090), (675, 3102), (677, 3108), (697, 3147), (741, 3267), (767, 3309), (811, 3408), (812, 3411), (813, 3420), (835, 3471), (877, 3516), (924, 3567),

Gene: Douzhi_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for Douzhi_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (332, 2718), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (682, 3300), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: DrFeelGood_11 Start: 8456, Stop: 9898, Start Num: 158

Candidate Starts for DrFeelGood_11:

(109, 8390), (Start: 158 @8456 has 220 MA's), (263, 8654), (365, 8867), (482, 9062), (545, 9173), (584, 9245), (667, 9368), (682, 9407), (710, 9485), (712, 9491), (735, 9539), (739, 9551), (743, 9560), (785, 9650), (824, 9740), (845, 9773), (857, 9785),

Gene: DrHayes_9 Start: 2999, Stop: 4546, Start Num: 83

Candidate Starts for DrHayes_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (114, 3026), (175, 3095), (182, 3104), (186, 3113), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (266, 3284), (305, 3353), (314, 3374), (324, 3410), (362, 3479), (368, 3491), (414, 3569), (428, 3590), (444, 3620), (458, 3644), (522, 3764), (537, 3797), (546, 3818), (558, 3839), (575, 3869), (624, 3902), (635, 3920), (666, 3998), (670, 4010), (672, 4013), (676, 4025), (677, 4028), (699, 4064), (711, 4112), (735, 4163), (741, 4181), (787, 4277), (803, 4298), (812, 4325), (813, 4334), (873, 4424),

Gene: DrManhattan_3 Start: 2280, Stop: 3656, Start Num: 148

Candidate Starts for DrManhattan_3:

(Start: 148 @2280 has 57 MA's), (215, 2391), (Start: 222 @2400 has 4 MA's), (266, 2499), (421, 2763), (534, 2940), (580, 3036), (675, 3195), (699, 3243), (705, 3273), (713, 3297), (778, 3432), (799, 3471), (803, 3480),

Gene: DrParker_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for DrParker_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (337, 2240), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (542, 2555), (552, 2570), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (743, 2945), (762, 2984), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: DrSeegs_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for DrSeegs_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: DrSierra_3 Start: 2283, Stop: 3656, Start Num: 148

Candidate Starts for DrSierra_3:

(Start: 148 @2283 has 57 MA's), (215, 2394), (Start: 222 @2403 has 4 MA's), (290, 2541), (363, 2673), (439, 2781), (580, 3039), (663, 3165), (678, 3204), (705, 3273), (713, 3297), (799, 3471), (803, 3480), (864, 3591),

Gene: Drago_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Drago_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Drake55_15 Start: 9724, Stop: 11184, Start Num: 127

Candidate Starts for Drake55_15:

(Start: 127 @9724 has 330 MA's), (182, 9784), (229, 9877), (233, 9889), (365, 10171), (382, 10204), (484, 10351), (489, 10360), (534, 10432), (545, 10459), (549, 10465), (563, 10486), (687, 10714),

(735, 10831), (743, 10852), (757, 10879), (762, 10888), (812, 11005), (824, 11035), (842, 11065), (867, 11089),

Gene: Drake94_11 Start: 6462, Stop: 7922, Start Num: 124

Candidate Starts for Drake94_11:

(Start: 124 @6462 has 299 MA's), (Start: 157 @6489 has 14 MA's), (198, 6555), (229, 6609), (233, 6621), (266, 6690), (308, 6768), (320, 6801), (324, 6819), (342, 6858), (344, 6861), (382, 6939), (480, 7077), (545, 7194), (549, 7200), (563, 7221), (566, 7227), (577, 7251), (599, 7302), (663, 7407), (710, 7533), (711, 7536), (735, 7587), (737, 7593), (743, 7608), (757, 7638), (762, 7647), (798, 7728), (812, 7764), (824, 7794), (861, 7845), (864, 7848),

Gene: Dre3_5 Start: 2920, Stop: 4368, Start Num: 159

Candidate Starts for Dre3_5:

(88, 2833), (Start: 159 @2920 has 63 MA's), (197, 2974), (199, 2980), (231, 3043), (255, 3088), (301, 3157), (303, 3163), (365, 3304), (382, 3337), (423, 3382), (484, 3487), (488, 3493), (537, 3577), (549, 3601), (552, 3607), (585, 3670), (645, 3778), (674, 3850), (725, 3985), (738, 4012), (740, 4018), (741, 4021), (765, 4057), (787, 4114), (807, 4156), (847, 4240), (923, 4342),

Gene: DreamCatcher_15 Start: 9886, Stop: 11328, Start Num: 158

Candidate Starts for DreamCatcher_15:

(109, 9820), (Start: 158 @9886 has 220 MA's), (263, 10084), (365, 10297), (482, 10492), (484, 10495), (545, 10603), (584, 10675), (667, 10798), (682, 10837), (710, 10915), (712, 10921), (735, 10969), (739, 10981), (743, 10990), (785, 11080), (824, 11170), (845, 11203), (857, 11215),

Gene: DreamTeam1_13 Start: 8077, Stop: 9561, Start Num: 127

Candidate Starts for DreamTeam1_13:

(Start: 127 @8077 has 330 MA's), (182, 8137), (233, 8242), (291, 8350), (298, 8356), (329, 8452), (365, 8524), (382, 8557), (466, 8668), (482, 8701), (508, 8737), (514, 8746), (534, 8785), (542, 8809), (545, 8812), (549, 8818), (560, 8836), (563, 8839), (587, 8890), (735, 9184), (741, 9202), (757, 9232), (762, 9241), (802, 9328), (810, 9352), (812, 9358), (824, 9388), (857, 9433), (867, 9442),

Gene: Dreamboat_13 Start: 8584, Stop: 10026, Start Num: 158

Candidate Starts for Dreamboat_13:

(109, 8518), (Start: 158 @8584 has 220 MA's), (263, 8782), (365, 8995), (482, 9190), (489, 9202), (545, 9301), (584, 9373), (667, 9496), (682, 9535), (710, 9613), (712, 9619), (734, 9664), (735, 9667), (739, 9679), (743, 9688), (785, 9778), (824, 9868), (845, 9901), (857, 9913),

Gene: DroogsArmy_13 Start: 9760, Stop: 11217, Start Num: 124

Candidate Starts for DroogsArmy_13:

(Start: 124 @9760 has 299 MA's), (229, 9910), (233, 9922), (298, 10036), (324, 10120), (335, 10147), (439, 10312), (482, 10381), (489, 10393), (508, 10417), (534, 10465), (545, 10492), (549, 10498), (563, 10519), (566, 10525), (574, 10540), (577, 10549), (632, 10633), (687, 10759), (710, 10822), (711, 10825), (735, 10876), (737, 10882), (740, 10891), (741, 10894), (743, 10897), (762, 10933), (798, 11014), (812, 11050), (824, 11080),

Gene: DropBear_12 Start: 8253, Stop: 9719, Start Num: 127

Candidate Starts for DropBear_12:

(Start: 127 @8253 has 330 MA's), (233, 8424), (273, 8508), (308, 8571), (320, 8604), (324, 8622), (343, 8661), (355, 8688), (381, 8736), (480, 8877), (484, 8886), (534, 8967), (542, 8991), (545, 8994), (549, 9000), (563, 9021), (566, 9027), (663, 9198), (710, 9324), (711, 9327), (735, 9378), (737, 9384), (743, 9399), (757, 9429), (812, 9555), (824, 9585), (845, 9615),

Gene: Druantia_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Druantia_12:

(Start: 124 @8579 has 299 MA's), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (737, 9704), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Dryad_10 Start: 4742, Stop: 6310, Start Num: 102

Candidate Starts for Dryad_10:

(Start: 102 @4742 has 24 MA's), (Start: 123 @4772 has 47 MA's), (139, 4793), (189, 4859), (190, 4862), (206, 4904), (226, 4934), (269, 5021), (296, 5084), (352, 5180), (365, 5207), (368, 5213), (400, 5264), (479, 5375), (486, 5384), (545, 5498), (551, 5507), (624, 5639), (632, 5651), (649, 5696), (659, 5720), (675, 5762), (677, 5768), (734, 5915), (819, 6116), (854, 6173), (898, 6230),

Gene: Dublin_9 Start: 7906, Stop: 9339, Start Num: 127

Candidate Starts for Dublin_9:

(Start: 127 @7906 has 330 MA's), (229, 8041), (247, 8074), (252, 8089), (255, 8095), (329, 8263), (343, 8290), (382, 8368), (449, 8449), (488, 8521), (489, 8524), (534, 8596), (549, 8629), (563, 8650), (577, 8680), (605, 8725), (710, 8941), (735, 8995), (741, 9013), (762, 9052), (812, 9169), (824, 9199), (842, 9229), (867, 9253),

Gene: Dubu_3 Start: 2173, Stop: 3690, Start Num: 152

Candidate Starts for Dubu_3:

(Start: 152 @2173 has 1 MA's), (252, 2359), (253, 2362), (259, 2377), (266, 2392), (301, 2446), (304, 2455), (313, 2482), (319, 2500), (353, 2563), (372, 2602), (412, 2659), (470, 2752), (484, 2788), (503, 2821), (507, 2830), (511, 2836), (513, 2839), (518, 2845), (544, 2905), (552, 2917), (613, 3034), (620, 3049), (639, 3082), (649, 3109), (667, 3154), (669, 3160), (672, 3166), (695, 3220), (713, 3277), (734, 3319), (766, 3385), (789, 3445), (827, 3526), (845, 3556), (867, 3577),

Gene: DudeLittle_13 Start: 9322, Stop: 10785, Start Num: 127

Candidate Starts for DudeLittle_13:

(Start: 127 @9322 has 330 MA's), (182, 9382), (233, 9487), (324, 9685), (365, 9769), (382, 9802), (466, 9913), (484, 9949), (534, 10030), (545, 10057), (549, 10063), (563, 10084), (566, 10090), (587, 10135), (667, 10258), (735, 10429), (741, 10447), (743, 10450), (757, 10477), (762, 10486), (812, 10603), (824, 10633), (842, 10663), (867, 10687),

Gene: Dulcie_11 Start: 8331, Stop: 9773, Start Num: 158

Candidate Starts for Dulcie_11:

(109, 8265), (Start: 158 @8331 has 220 MA's), (263, 8529), (365, 8742), (482, 8937), (489, 8949), (545, 9048), (584, 9120), (667, 9243), (682, 9282), (710, 9360), (712, 9366), (735, 9414), (739, 9426), (743, 9435), (785, 9525), (824, 9615), (845, 9648), (857, 9660),

Gene: Dulcita_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Dulcita_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: DuncansLeg_6 Start: 2759, Stop: 4402, Start Num: 131

Candidate Starts for DuncansLeg_6:

(Start: 131 @2759 has 70 MA's), (178, 2819), (249, 2960), (253, 2969), (305, 3071), (367, 3185), (441, 3278), (469, 3317), (510, 3407), (517, 3416), (527, 3431), (638, 3620), (668, 3692), (684, 3734), (767, 3917), (782, 3959), (799, 3986), (803, 3995), (824, 4055), (840, 4085), (849, 4094), (908, 4169), (925, 4202),

Gene: Duplo_16 Start: 9200, Stop: 10657, Start Num: 127

Candidate Starts for Duplo_16:

(Start: 127 @9200 has 330 MA's), (182, 9260), (229, 9353), (233, 9365), (365, 9647), (466, 9791), (488, 9833), (534, 9908), (545, 9935), (549, 9941), (563, 9962), (566, 9968), (735, 10307), (743, 10328), (757, 10355), (762, 10364), (802, 10451), (812, 10481), (824, 10511), (842, 10541), (867, 10565),

Gene: Durfee_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for Durfee_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Dussy_13 Start: 8692, Stop: 10134, Start Num: 158

Candidate Starts for Dussy_13:

(109, 8626), (Start: 158 @8692 has 220 MA's), (263, 8890), (342, 9064), (365, 9103), (482, 9298), (489, 9310), (545, 9409), (667, 9604), (710, 9721), (712, 9727), (735, 9775), (739, 9787), (743, 9796), (785, 9886), (824, 9976), (845, 10009), (857, 10021),

Gene: Dusty_30 Start: 10194, Stop: 11810, Start Num: 104

Candidate Starts for Dusty_30:

(Start: 104 @10194 has 19 MA's), (Start: 143 @10245 has 5 MA's), (Start: 151 @10254 has 63 MA's), (Start: 193 @10314 has 1 MA's), (Start: 222 @10371 has 4 MA's), (238, 10404), (240, 10407), (258, 10452), (269, 10479), (365, 10683), (379, 10713), (403, 10749), (431, 10794), (435, 10803), (444, 10818), (533, 10959), (539, 10977), (541, 10983), (566, 11025), (644, 11217), (675, 11304), (686, 11334), (704, 11379), (722, 11427), (730, 11442), (756, 11505), (769, 11529), (771, 11535), (775, 11544), (806, 11613), (824, 11664), (825, 11667), (829, 11679),

Gene: DustyMartin_15 Start: 8443, Stop: 9888, Start Num: 124

Candidate Starts for DustyMartin_15:

(Start: 124 @8443 has 299 MA's), (141, 8455), (233, 8602), (308, 8749), (320, 8782), (324, 8800), (327, 8806), (342, 8839), (382, 8920), (390, 8932), (480, 9058), (489, 9076), (534, 9148), (542, 9172), (545, 9175), (549, 9181), (563, 9202), (663, 9382), (710, 9508), (711, 9511), (735, 9562), (737, 9568), (743, 9583), (757, 9613), (762, 9622), (798, 9703), (812, 9739), (824, 9769), (861, 9820), (864, 9823),

Gene: Dwayne_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Dwayne_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (458, 4608), (477, 4641), (479, 4647), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: Dynamix_13 Start: 8741, Stop: 10183, Start Num: 158

Candidate Starts for Dynamix_13:

(109, 8675), (Start: 158 @8741 has 220 MA's), (263, 8939), (365, 9152), (482, 9347), (489, 9359), (545, 9458), (667, 9653), (682, 9692), (710, 9770), (712, 9776), (735, 9824), (739, 9836), (743, 9845), (785, 9935), (824, 10025), (845, 10058), (857, 10070),

Gene: DyoEdafos_6 Start: 2521, Stop: 4158, Start Num: 132

Candidate Starts for DyoEdafos_6:

(Start: 132 @2521 has 11 MA's), (189, 2596), (253, 2728), (266, 2758), (305, 2830), (327, 2893), (328, 2896), (367, 2944), (441, 3037), (469, 3076), (481, 3109), (492, 3133), (495, 3139), (506, 3160), (510, 3166), (512, 3169), (527, 3190), (557, 3256), (626, 3358), (638, 3379), (682, 3487), (684, 3493), (720, 3586), (734, 3613), (767, 3676), (778, 3706), (799, 3745), (801, 3748), (803, 3754), (824, 3814), (840, 3844), (849, 3853), (855, 3859), (919, 3949), (925, 3961), (950, 4039),

Gene: E6_4 Start: 2408, Stop: 3919, Start Num: 107

Candidate Starts for E6_4:

(Start: 107 @2408 has 4 MA's), (Start: 145 @2462 has 30 MA's), (184, 2507), (197, 2540), (229, 2597), (246, 2630), (264, 2678), (319, 2789), (322, 2801), (332, 2831), (348, 2852), (352, 2855), (354, 2861), (451, 3005), (461, 3026), (488, 3068), (531, 3134), (532, 3137), (535, 3146), (539, 3158), (549, 3176), (605, 3281), (658, 3347), (682, 3407), (687, 3422), (739, 3551), (740, 3554), (741, 3557), (749, 3578), (775, 3626), (779, 3638), (785, 3656), (822, 3740), (828, 3758), (860, 3794),

Gene: ECartman_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for ECartman_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: ELB20_06 Start: 3885, Stop: 5357, Start Num: 155

Candidate Starts for ELB20_06:

(Start: 155 @3885 has 140 MA's), (Start: 222 @4002 has 4 MA's), (246, 4050), (249, 4062), (253, 4071), (266, 4101), (305, 4194), (408, 4359), (412, 4365), (534, 4572), (573, 4647), (579, 4665), (583, 4677), (585, 4683), (588, 4689), (645, 4830), (667, 4881), (669, 4887), (712, 5001), (741, 5067), (773, 5124), (799, 5178), (827, 5256), (908, 5343),

Gene: EMSquaredA_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for EMSquaredA_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: EZMoney23_17 Start: 11190, Stop: 12653, Start Num: 127

Candidate Starts for EZMoney23_17:

(Start: 127 @11190 has 330 MA's), (182, 11250), (233, 11355), (365, 11637), (484, 11820), (489, 11829), (534, 11901), (545, 11928), (549, 11934), (563, 11955), (735, 12300), (743, 12321), (757, 12348), (762, 12357), (802, 12444), (812, 12474), (824, 12504), (842, 12534), (867, 12558),

Gene: Eagle_11 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Eagle_11:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718),

(757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: EagleEye_15 Start: 9341, Stop: 10813, Start Num: 127

Candidate Starts for EagleEye_15:

(Start: 127 @9341 has 330 MA's), (182, 9401), (225, 9488), (229, 9494), (233, 9506), (365, 9788), (382, 9821), (482, 9965), (488, 9974), (534, 10049), (542, 10073), (545, 10076), (549, 10082), (563, 10103), (735, 10448), (741, 10466), (743, 10469), (757, 10496), (762, 10505), (812, 10622), (824, 10652), (842, 10682), (857, 10697), (867, 10706), (920, 10766),

Gene: Eaglepride_13 Start: 8376, Stop: 9818, Start Num: 124

Candidate Starts for Eaglepride_13:

(Start: 124 @8376 has 299 MA's), (233, 8535), (266, 8604), (308, 8682), (320, 8715), (324, 8733), (382, 8853), (480, 8991), (489, 9009), (534, 9081), (545, 9108), (549, 9114), (563, 9135), (566, 9141), (663, 9315), (710, 9441), (711, 9444), (721, 9468), (735, 9495), (737, 9501), (743, 9516), (757, 9546), (762, 9555), (798, 9636), (812, 9672), (824, 9702), (861, 9753),

Gene: Eapen_12 Start: 8580, Stop: 10031, Start Num: 124

Candidate Starts for Eapen_12:

(Start: 124 @8580 has 299 MA's), (233, 8739), (316, 8907), (324, 8937), (343, 8976), (352, 8994), (382, 9054), (476, 9183), (482, 9201), (545, 9312), (549, 9318), (563, 9339), (566, 9345), (599, 9414), (642, 9474), (663, 9519), (710, 9645), (711, 9648), (735, 9699), (737, 9705), (743, 9720), (757, 9750), (798, 9840), (812, 9876), (824, 9906), (845, 9936),

Gene: Ebony_13 Start: 9842, Stop: 11299, Start Num: 127

Candidate Starts for Ebony_13:

(Start: 127 @9842 has 330 MA's), (169, 9887), (182, 9902), (233, 10007), (365, 10289), (382, 10322), (489, 10478), (534, 10550), (545, 10577), (549, 10583), (563, 10604), (587, 10655), (720, 10919), (735, 10949), (743, 10970), (749, 10985), (757, 10997), (762, 11006), (802, 11093), (812, 11123), (824, 11153), (842, 11183), (908, 11249),

Gene: Echild_13 Start: 9325, Stop: 10788, Start Num: 127

Candidate Starts for Echild_13:

(Start: 127 @9325 has 330 MA's), (182, 9385), (233, 9490), (355, 9754), (365, 9772), (382, 9805), (386, 9811), (545, 10060), (549, 10066), (563, 10087), (566, 10093), (587, 10138), (675, 10282), (710, 10378), (735, 10432), (741, 10450), (743, 10453), (757, 10480), (762, 10489), (812, 10606), (818, 10621), (824, 10636), (842, 10666), (867, 10690),

Gene: Ecliptus_4 Start: 2191, Stop: 3633, Start Num: 123

Candidate Starts for Ecliptus_4:

(Start: 123 @2191 has 47 MA's), (Start: 154 @2221 has 46 MA's), (198, 2293), (224, 2335), (226, 2344), (258, 2410), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (468, 2776), (494, 2815), (496, 2818), (532, 2878), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (709, 3256), (741, 3331), (787, 3439), (797, 3457), (807, 3481), (811, 3493), (813, 3502), (825, 3529),

Gene: Eddasa_8 Start: 4241, Stop: 5683, Start Num: 155

Candidate Starts for Eddasa_8:

(Start: 142 @4232 has 1 MA's), (Start: 144 @4235 has 15 MA's), (Start: 155 @4241 has 140 MA's), (Start: 222 @4358 has 4 MA's), (246, 4406), (255, 4430), (412, 4724), (444, 4766), (458, 4793), (530, 4919), (534, 4931), (579, 5024), (629, 5102), (645, 5147), (669, 5204), (678, 5228), (773, 5441), (908, 5669),

Gene: Edison31_12 Start: 8402, Stop: 9847, Start Num: 124

Candidate Starts for Edison31_12:

(Start: 124 @8402 has 299 MA's), (233, 8561), (308, 8708), (320, 8741), (324, 8759), (327, 8765), (342, 8798), (382, 8879), (390, 8891), (480, 9017), (489, 9035), (534, 9107), (542, 9131), (545, 9134), (549, 9140), (560, 9158), (563, 9161), (663, 9341), (710, 9467), (711, 9470), (735, 9521), (737, 9527), (743, 9542), (757, 9572), (762, 9581), (798, 9662), (812, 9698), (824, 9728), (861, 9779), (864, 9782),

Gene: EdogawaKiddo_12 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for EdogawaKiddo_12:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (266, 10130), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (566, 10664), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Edtherson_13 Start: 9189, Stop: 10631, Start Num: 158

Candidate Starts for Edtherson_13:

(109, 9123), (Start: 158 @9189 has 220 MA's), (263, 9387), (365, 9600), (482, 9795), (489, 9807), (545, 9906), (667, 10101), (682, 10140), (710, 10218), (712, 10224), (735, 10272), (739, 10284), (743, 10293), (785, 10383), (824, 10473), (845, 10506), (857, 10518),

Gene: Edugator_6 Start: 2788, Stop: 4326, Start Num: 83

Candidate Starts for Edugator_6:

(Start: 83 @2788 has 142 MA's), (175, 2890), (182, 2899), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (326, 3208), (327, 3211), (359, 3265), (369, 3286), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (555, 3625), (558, 3631), (624, 3694), (635, 3712), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (711, 3907), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: Efra2_9 Start: 3007, Stop: 4560, Start Num: 83

Candidate Starts for Efra2_9:

(15, 2551), (22, 2593), (38, 2761), (46, 2902), (Start: 75 @2992 has 32 MA's), (Start: 83 @3007 has 142 MA's), (175, 3100), (182, 3109), (195, 3139), (232, 3214), (248, 3247), (252, 3256), (305, 3358), (314, 3379), (319, 3394), (324, 3415), (327, 3421), (369, 3499), (388, 3538), (428, 3595), (522, 3769), (546, 3823), (558, 3844), (575, 3874), (624, 3907), (666, 4003), (670, 4015), (672, 4018), (676, 4030), (677, 4033), (682, 4045), (693, 4066), (699, 4069), (741, 4186), (785, 4279), (803, 4303), (811, 4327), (812, 4330), (813, 4339), (857, 4414), (899, 4462),

Gene: Eidsmoe_14 Start: 9923, Stop: 11410, Start Num: 127

Candidate Starts for Eidsmoe_14:

(Start: 127 @9923 has 330 MA's), (182, 9986), (233, 10091), (266, 10160), (329, 10301), (365, 10373), (400, 10427), (482, 10550), (508, 10586), (514, 10595), (534, 10634), (545, 10661), (549, 10667), (563, 10688), (587, 10739), (624, 10778), (735, 11033), (741, 11051), (757, 11081), (758, 11084), (762, 11090), (810, 11201), (812, 11207), (824, 11237), (857, 11282), (867, 11291),

Gene: Eileen_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for Eileen_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (435, 2905), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Eish_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Eish_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Ejemplo_7 Start: 4059, Stop: 5495, Start Num: 155

Candidate Starts for Ejemplo_7:

(Start: 144 @4053 has 15 MA's), (Start: 155 @4059 has 140 MA's), (174, 4083), (188, 4107), (Start: 222 @4176 has 4 MA's), (246, 4224), (249, 4236), (266, 4275), (328, 4428), (361, 4458), (412, 4542), (444, 4584), (477, 4644), (479, 4650), (530, 4740), (534, 4752), (573, 4827), (579, 4845), (629, 4923), (645, 4968), (669, 5025), (760, 5238), (773, 5262), (827, 5394), (908, 5481),

Gene: Ekdilam_6 Start: 2558, Stop: 4111, Start Num: 83

Candidate Starts for Ekdilam_6:

(46, 2453), (Start: 75 @2543 has 32 MA's), (Start: 83 @2558 has 142 MA's), (175, 2657), (182, 2666), (Start: 222 @2747 has 4 MA's), (232, 2771), (248, 2804), (281, 2864), (305, 2915), (314, 2936), (319, 2951), (362, 3041), (368, 3053), (369, 3056), (414, 3131), (428, 3152), (441, 3176), (479, 3245), (501, 3293), (522, 3326), (527, 3332), (537, 3359), (546, 3380), (558, 3401), (624, 3464), (635, 3482), (666, 3560), (670, 3572), (672, 3575), (677, 3590), (687, 3617), (711, 3674), (734, 3722), (741, 3743), (751, 3764), (787, 3839), (811, 3884), (812, 3887), (813, 3896), (828, 3932), (835, 3947),

Gene: ElGato_8 Start: 3905, Stop: 5338, Start Num: 155

Candidate Starts for ElGato_8:

(Start: 155 @3905 has 140 MA's), (Start: 222 @4022 has 4 MA's), (246, 4070), (249, 4082), (371, 4325), (466, 4472), (477, 4490), (479, 4496), (530, 4583), (534, 4595), (573, 4670), (579, 4688), (610, 4727), (629, 4763), (669, 4865), (735, 5027), (741, 5045), (773, 5102), (812, 5192), (827, 5234), (882, 5300), (908, 5324),

Gene: ElJefes_4 Start: 3044, Stop: 4489, Start Num: 159

Candidate Starts for ElJefes_4:

(91, 2957), (Start: 159 @3044 has 63 MA's), (184, 3074), (223, 3152), (229, 3164), (257, 3224), (276, 3260), (302, 3296), (326, 3371), (365, 3440), (382, 3473), (386, 3479), (423, 3515), (488, 3626), (489, 3629), (496, 3635), (525, 3680), (537, 3710), (545, 3728), (549, 3734), (574, 3776), (674, 3983), (741, 4154), (762, 4187), (787, 4247), (789, 4253), (798, 4268), (811, 4301), (835, 4361), (836, 4364), (923, 4472),

Gene: ElTiger69_10 Start: 7764, Stop: 9197, Start Num: 127

Candidate Starts for ElTiger69_10:

(Start: 127 @7764 has 330 MA's), (225, 7893), (247, 7932), (252, 7947), (329, 8121), (343, 8148), (449, 8307), (484, 8373), (488, 8379), (489, 8382), (534, 8454), (549, 8487), (563, 8508), (573, 8526), (577, 8538), (710, 8799), (735, 8853), (741, 8871), (762, 8910), (812, 9027), (824, 9057), (842, 9087), (857, 9102), (867, 9111),

Gene: EleanorGeorge_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for EleanorGeorge_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684,

3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Elephantoan_14 Start: 9551, Stop: 11029, Start Num: 127

Candidate Starts for Elephantoan_14:

(Start: 127 @9551 has 330 MA's), (182, 9611), (233, 9716), (320, 9896), (329, 9926), (365, 9998), (482, 10175), (489, 10187), (534, 10259), (545, 10286), (549, 10292), (563, 10313), (577, 10343), (587, 10364), (624, 10403), (735, 10658), (741, 10676), (757, 10706), (758, 10709), (762, 10715), (810, 10826), (812, 10832), (824, 10862), (857, 10907), (867, 10916),

Gene: Elezi_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Elezi_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: Elfy_3 Start: 1986, Stop: 3431, Start Num: 123

Candidate Starts for Elfy_3:

(21, 1491), (27, 1566), (32, 1602), (42, 1719), (55, 1872), (Start: 123 @1986 has 47 MA's), (Start: 137 @2004 has 1 MA's), (173, 2037), (182, 2046), (198, 2085), (214, 2115), (229, 2139), (247, 2172), (255, 2193), (292, 2256), (319, 2325), (353, 2394), (365, 2418), (369, 2427), (432, 2508), (442, 2529), (484, 2595), (532, 2670), (542, 2700), (545, 2703), (575, 2754), (614, 2829), (655, 2901), (658, 2907), (666, 2925), (702, 3021), (706, 3036), (740, 3114), (746, 3129), (762, 3159), (787, 3219), (791, 3228), (803, 3249),

Gene: Elinal_6 Start: 2579, Stop: 4012, Start Num: 159

Candidate Starts for Elinal_6:

(Start: 159 @2579 has 63 MA's), (184, 2603), (255, 2747), (257, 2753), (276, 2789), (302, 2825), (306, 2843), (319, 2876), (326, 2900), (365, 2969), (382, 3002), (489, 3158), (525, 3209), (537, 3239), (549, 3263), (574, 3305), (602, 3374), (618, 3392), (645, 3440), (674, 3512), (741, 3683), (762, 3716), (787, 3776), (798, 3797), (811, 3830), (835, 3890), (836, 3893), (923, 4004),

Gene: Elliott_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Elliott_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Elle_13 Start: 8093, Stop: 9571, Start Num: 127

Candidate Starts for Elle_13:

(Start: 127 @8093 has 330 MA's), (135, 8105), (182, 8159), (225, 8246), (231, 8261), (233, 8264), (365, 8546), (484, 8729), (488, 8735), (534, 8810), (545, 8837), (549, 8843), (563, 8864), (574, 8885), (605, 8939), (675, 9059), (735, 9209), (737, 9215), (741, 9227), (743, 9230), (757, 9257), (762, 9266), (810, 9377), (812, 9383), (824, 9413), (842, 9443), (857, 9458), (867, 9467),

Gene: Ellie_6 Start: 2649, Stop: 4202, Start Num: 83

Candidate Starts for Ellie_6:

(44, 2517), (46, 2544), (Start: 75 @2634 has 32 MA's), (Start: 83 @2649 has 142 MA's), (175, 2748), (182, 2757), (215, 2829), (Start: 222 @2838 has 4 MA's), (232, 2862), (248, 2895), (281, 2955), (314, 3027), (319, 3042), (362, 3132), (369, 3147), (414, 3222), (428, 3243), (441, 3267), (479, 3336), (495, 3372), (501, 3384), (522, 3417), (537, 3450), (546, 3471), (558, 3492), (575, 3522), (624, 3555), (635, 3573), (666, 3651), (670, 3663), (672, 3666), (676, 3678), (677, 3681), (687, 3708), (711, 3765), (741, 3834), (751, 3855), (768, 3879), (787, 3930), (803, 3951), (812, 3978), (813, 3987), (828, 4023),

Gene: Ellson_6 Start: 2768, Stop: 4411, Start Num: 131

Candidate Starts for Ellson_6:

(Start: 131 @2768 has 70 MA's), (178, 2828), (249, 2969), (253, 2978), (305, 3080), (328, 3146), (367, 3194), (441, 3287), (469, 3326), (492, 3383), (495, 3389), (510, 3416), (517, 3425), (527, 3440), (638, 3629), (668, 3701), (684, 3743), (767, 3926), (782, 3968), (799, 3995), (803, 4004), (824, 4064), (840, 4094), (849, 4103), (908, 4178), (925, 4211),

Gene: Emaanora_9 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Emaanora_9:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: Emalyn_4 Start: 2484, Stop: 3938, Start Num: 159

Candidate Starts for Emalyn_4:

(Start: 159 @2484 has 63 MA's), (184, 2508), (242, 2622), (246, 2631), (297, 2712), (322, 2796), (326, 2808), (365, 2877), (392, 2925), (466, 3024), (489, 3066), (525, 3117), (537, 3147), (545, 3165), (549, 3171), (633, 3321), (663, 3399), (674, 3426), (718, 3546), (762, 3630), (800, 3714), (807, 3732), (811, 3744), (812, 3747), (835, 3804), (836, 3807), (923, 3915),

Gene: Emerson_9 Start: 3029, Stop: 4582, Start Num: 83

Candidate Starts for Emerson_9:

(46, 2927), (Start: 75 @3014 has 32 MA's), (Start: 83 @3029 has 142 MA's), (175, 3131), (182, 3140), (215, 3212), (Start: 222 @3221 has 4 MA's), (232, 3245), (248, 3278), (252, 3287), (305, 3389), (314, 3410), (326, 3449), (327, 3452), (362, 3515), (369, 3530), (380, 3554), (414, 3605), (428, 3626), (458, 3680), (522, 3800), (537, 3833), (546, 3854), (558, 3875), (575, 3905), (624, 3938), (635, 3956), (659, 4016), (666, 4034), (670, 4046), (672, 4049), (676, 4061), (677, 4064), (699, 4100), (711, 4148), (735, 4199), (741, 4217), (787, 4313), (803, 4334), (812, 4361), (813, 4370), (828, 4406),

Gene: EmiMonkey_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for EmiMonkey_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: EmiRose_3 Start: 2568, Stop: 3956, Start Num: 151

Candidate Starts for EmiRose_3:

(Start: 151 @2568 has 63 MA's), (175, 2598), (253, 2760), (263, 2784), (266, 2790), (305, 2856), (310, 2865), (318, 2889), (326, 2916), (340, 2943), (374, 2982), (488, 3141), (500, 3168), (555, 3273), (573, 3303), (581, 3327), (626, 3390), (634, 3405), (652, 3444), (694, 3543), (708, 3591), (713, 3603), (734, 3645), (744, 3675), (778, 3738), (782, 3750), (799, 3777), (813, 3822), (859, 3897),

Gene: Emianna_25 Start: 14922, Stop: 16511, Start Num: 121

Candidate Starts for Emianna_25:

(Start: 121 @14922 has 32 MA's), (Start: 124 @14928 has 299 MA's), (138, 14943), (Start: 145 @14952 has 30 MA's), (182, 15006), (266, 15198), (305, 15276), (315, 15300), (323, 15330), (440, 15534), (460, 15561), (487, 15588), (533, 15678), (570, 15750), (576, 15765), (581, 15780), (633,

15861), (684, 16002), (722, 16101), (730, 16116), (735, 16125), (738, 16134), (750, 16170), (759, 16194), (799, 16278), (803, 16287), (818, 16332),

Gene: Emma_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Emma_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Emmaloid_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Emmaloid_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (735, 3298), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Emotion_3 Start: 2309, Stop: 3673, Start Num: 148

Candidate Starts for Emotion_3:

(Start: 148 @2309 has 57 MA's), (Start: 222 @2435 has 4 MA's), (492, 2903), (497, 2912), (548, 3005), (663, 3194), (789, 3491), (799, 3500),

Gene: Empress_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Empress_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (600, 3028), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: EmyBug_14 Start: 9923, Stop: 11410, Start Num: 127

Candidate Starts for EmyBug_14:

(Start: 127 @9923 has 330 MA's), (182, 9986), (233, 10091), (266, 10160), (329, 10301), (365, 10373), (400, 10427), (482, 10550), (508, 10586), (514, 10595), (534, 10634), (545, 10661), (549, 10667), (563, 10688), (587, 10739), (624, 10778), (735, 11033), (741, 11051), (757, 11081), (758, 11084), (762, 11090), (810, 11201), (812, 11207), (824, 11237), (857, 11282), (867, 11291),

Gene: EnalisNailo_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for EnalisNailo_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Enby_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Enby_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Enceladus_5 Start: 2626, Stop: 4299, Start Num: 131

Candidate Starts for Enceladus_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4264),

Gene: Engineer_32 Start: 10389, Stop: 12005, Start Num: 104

Candidate Starts for Engineer_32:

(Start: 104 @10389 has 19 MA's), (Start: 143 @10440 has 5 MA's), (Start: 151 @10449 has 63 MA's), (Start: 193 @10509 has 1 MA's), (Start: 222 @10566 has 4 MA's), (240, 10602), (258, 10647), (269, 10674), (365, 10878), (379, 10908), (403, 10944), (431, 10989), (435, 10998), (444, 11013), (532, 11151), (533, 11154), (539, 11172), (541, 11178), (566, 11220), (644, 11412), (675, 11499), (686, 11529), (704, 11574), (722, 11622), (730, 11637), (756, 11700), (769, 11724), (771, 11730), (775, 11739), (806, 11808), (824, 11859), (825, 11862), (829, 11874),

Gene: EniyanLRS_24 Start: 9432, Stop: 10871, Start Num: 132

Candidate Starts for EniyanLRS_24:

(Start: 110 @9399 has 11 MA's), (Start: 126 @9423 has 23 MA's), (Start: 132 @9432 has 11 MA's), (174, 9483), (182, 9495), (188, 9507), (249, 9639), (252, 9645), (253, 9648), (255, 9651), (263, 9672), (266, 9678), (304, 9738), (305, 9747), (314, 9768), (358, 9846), (482, 10026), (501, 10056), (512, 10074), (522, 10089), (535, 10116), (550, 10149), (557, 10161), (558, 10164), (580, 10209), (620, 10245), (634, 10266), (661, 10329), (682, 10380), (710, 10452), (735, 10506), (738, 10515), (778, 10596), (789, 10626), (811, 10668), (821, 10695), (855, 10746), (862, 10755), (914, 10812), (936, 10851),

Gene: Enkosi_5 Start: 2268, Stop: 3839, Start Num: 75

Candidate Starts for Enkosi_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Ennea_31 Start: 15546, Stop: 17129, Start Num: 120

Candidate Starts for Ennea_31:

(Start: 120 @15546 has 6 MA's), (Start: 127 @15555 has 330 MA's), (182, 15633), (305, 15900), (353, 16014), (529, 16284), (570, 16368), (576, 16383), (581, 16398), (633, 16479), (684, 16620), (722, 16719), (735, 16743), (738, 16752), (759, 16812), (788, 16878), (799, 16896), (803, 16905), (818, 16950),

Gene: EnochSoames_8 Start: 4237, Stop: 5679, Start Num: 155

Candidate Starts for EnochSoames_8:

(Start: 142 @4228 has 1 MA's), (Start: 144 @4231 has 15 MA's), (Start: 155 @4237 has 140 MA's),
(Start: 222 @4354 has 4 MA's), (246, 4402), (412, 4720), (444, 4762), (458, 4789), (530, 4915), (534,
4927), (579, 5020), (629, 5098), (645, 5143), (669, 5200), (678, 5224), (773, 5437), (908, 5665),

Gene: Enochoraptor_3 Start: 1893, Stop: 3218, Start Num: 154

Candidate Starts for Enochoraptor_3:

(Start: 154 @1893 has 46 MA's), (Start: 157 @1899 has 14 MA's), (164, 1908), (181, 1926), (191,
1947), (216, 1998), (224, 2007), (225, 2013), (233, 2031), (242, 2040), (246, 2049), (247, 2052), (255,
2073), (258, 2082), (301, 2142), (314, 2181), (316, 2187), (322, 2208), (324, 2217), (376, 2310), (385,
2325), (387, 2328), (426, 2370), (434, 2382), (468, 2427), (477, 2439), (479, 2445), (488, 2463), (489,
2466), (498, 2475), (539, 2553), (545, 2565), (552, 2577), (574, 2613), (577, 2622), (602, 2664), (614,
2673), (618, 2682), (649, 2715), (667, 2760), (670, 2769), (674, 2778), (702, 2853), (710, 2877), (737,
2937), (743, 2952), (767, 2997), (785, 3048), (800, 3075), (808, 3096), (809, 3099), (811, 3105), (812,
3108), (818, 3123), (824, 3138), (825, 3141), (839, 3171),

Gene: Enoki_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for Enoki_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225,
2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314,
2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (385, 2313), (387,
2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (479, 2433), (480, 2436), (489, 2454), (498,
2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (618,
2670), (649, 2703), (654, 2718), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710,
2865), (762, 2979), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812,
3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: EnzoK_13 Start: 8923, Stop: 10365, Start Num: 158

Candidate Starts for EnzoK_13:

(109, 8857), (Start: 158 @8923 has 220 MA's), (263, 9121), (365, 9334), (482, 9529), (489, 9541),
(545, 9640), (667, 9835), (687, 9889), (710, 9952), (712, 9958), (735, 10006), (739, 10018), (743,
10027), (762, 10060), (785, 10117), (824, 10207), (845, 10240), (857, 10252),

Gene: EpicPhail_14 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for EpicPhail_14:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298,
8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563,
9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812,
9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Eponine_10 Start: 3912, Stop: 5507, Start Num: 75

Candidate Starts for Eponine_10:

(Start: 75 @3912 has 32 MA's), (Start: 81 @3927 has 28 MA's), (Start: 101 @3951 has 1 MA's), (Start:
154 @4014 has 46 MA's), (215, 4122), (Start: 222 @4131 has 4 MA's), (248, 4188), (252, 4197), (253,
4200), (266, 4230), (305, 4299), (314, 4320), (324, 4356), (327, 4362), (345, 4386), (369, 4437), (388,
4476), (428, 4533), (476, 4611), (477, 4614), (479, 4620), (488, 4638), (500, 4665), (501, 4668), (522,
4701), (537, 4734), (546, 4755), (558, 4776), (624, 4839), (637, 4863), (645, 4887), (666, 4935), (670,
4947), (677, 4965), (697, 5004), (702, 5028), (737, 5112), (739, 5118), (741, 5124), (755, 5193), (767,
5217), (803, 5292), (812, 5319), (813, 5328), (828, 5364), (845, 5391), (857, 5403),

Gene: Epsocamisio_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for Epsocamisio_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827),
(382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220),

(663, 9310), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: Equemioh13_15 Start: 9710, Stop: 11170, Start Num: 127

Candidate Starts for Equemioh13_15:

(Start: 127 @9710 has 330 MA's), (182, 9770), (229, 9863), (233, 9875), (365, 10157), (382, 10190), (484, 10337), (489, 10346), (534, 10418), (545, 10445), (549, 10451), (563, 10472), (687, 10700), (735, 10817), (743, 10838), (757, 10865), (762, 10874), (812, 10991), (824, 11021), (842, 11051), (867, 11075),

Gene: Eradicator_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Eradicator_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Eraser_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Eraser_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: EricB_16 Start: 9275, Stop: 10738, Start Num: 127

Candidate Starts for EricB_16:

(Start: 127 @9275 has 330 MA's), (Start: 143 @9296 has 5 MA's), (182, 9335), (225, 9422), (230, 9434), (233, 9440), (365, 9722), (504, 9935), (534, 9986), (545, 10013), (549, 10019), (563, 10040), (743, 10406), (757, 10433), (762, 10442), (787, 10502), (812, 10559), (824, 10589), (842, 10619), (870, 10646),

Gene: Erik_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Erik_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Eris_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Eris_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Eros_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Eros_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (687, 9580), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Esperer_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Esperer_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: Espica_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Espica_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Espresso_12 Start: 8785, Stop: 10227, Start Num: 158

Candidate Starts for Espresso_12:

(109, 8719), (Start: 158 @8785 has 220 MA's), (263, 8983), (365, 9196), (482, 9391), (489, 9403), (545, 9502), (667, 9697), (682, 9736), (710, 9814), (712, 9820), (735, 9868), (739, 9880), (743, 9889), (785, 9979), (824, 10069), (845, 10102), (857, 10114),

Gene: Estave1_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Estave1_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Estes_20 Start: 7004, Stop: 8605, Start Num: 93

Candidate Starts for Estes_20:

(Start: 93 @7004 has 23 MA's), (215, 7193), (235, 7226), (243, 7238), (252, 7262), (263, 7289), (266, 7295), (305, 7367), (308, 7373), (318, 7400), (319, 7403), (361, 7466), (363, 7469), (371, 7487), (466, 7604), (495, 7661), (531, 7721), (534, 7730), (557, 7778), (558, 7781), (640, 7904), (659, 7940), (678, 7991), (680, 7994), (697, 8024), (701, 8033), (721, 8099), (722, 8102), (735, 8126), (778, 8216), (803, 8264), (862, 8375), (914, 8447),

Gene: Et2Brutus_12 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Et2Brutus_12:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: EtoileNova_13 Start: 8741, Stop: 10210, Start Num: 124

Candidate Starts for EtoileNova_13:

(Start: 124 @8741 has 299 MA's), (163, 8780), (233, 8906), (273, 8990), (308, 9053), (320, 9086), (324, 9104), (343, 9143), (355, 9170), (382, 9221), (476, 9347), (480, 9359), (488, 9374), (489, 9377), (534, 9449), (545, 9476), (549, 9482), (563, 9503), (566, 9509), (577, 9533), (599, 9575), (663, 9680), (710, 9806), (711, 9809), (735, 9860), (737, 9866), (743, 9881), (757, 9911), (812, 10037), (824, 10067), (845, 10097),

Gene: Euphoria_12 Start: 8681, Stop: 10123, Start Num: 158

Candidate Starts for Euphoria_12:

(109, 8615), (Start: 158 @8681 has 220 MA's), (263, 8879), (365, 9092), (482, 9287), (489, 9299), (545, 9398), (584, 9470), (667, 9593), (682, 9632), (710, 9710), (712, 9716), (735, 9764), (739, 9776), (743, 9785), (785, 9875), (824, 9965), (845, 9998), (857, 10010),

Gene: Eurydice_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Eurydice_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: EvePickles_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for EvePickles_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (432, 2776), (460, 2821), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (585, 3046), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (734, 3340), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: EvilGenius_15 Start: 9621, Stop: 11096, Start Num: 127

Candidate Starts for EvilGenius_15:

(Start: 127 @9621 has 330 MA's), (182, 9681), (233, 9786), (324, 9984), (365, 10068), (382, 10101), (466, 10212), (534, 10329), (545, 10356), (549, 10362), (563, 10383), (566, 10389), (587, 10434), (667, 10557), (735, 10728), (741, 10746), (743, 10749), (757, 10776), (762, 10785), (812, 10902), (824, 10932), (842, 10962), (867, 10986), (934, 11073),

Gene: Ewald_6 Start: 2915, Stop: 4390, Start Num: 157

Candidate Starts for Ewald_6:

(Start: 157 @2915 has 14 MA's), (226, 3038), (251, 3086), (256, 3098), (261, 3110), (265, 3119), (305, 3194), (318, 3227), (319, 3230), (320, 3233), (324, 3251), (327, 3257), (335, 3278), (350, 3296), (381, 3362), (384, 3368), (442, 3452), (444, 3455), (531, 3617), (537, 3635), (555, 3671), (557, 3674), (561, 3680), (575, 3707), (583, 3731), (594, 3761), (615, 3809), (639, 3857), (649, 3881), (698, 3992), (734, 4091), (751, 4130), (811, 4241), (825, 4280), (853, 4322), (856, 4325),

Gene: Exile_3 Start: 2293, Stop: 3681, Start Num: 148

Candidate Starts for Exile_3:

(Start: 148 @2293 has 57 MA's), (Start: 222 @2416 has 4 MA's), (363, 2686), (705, 3286), (778, 3445), (789, 3475), (799, 3484), (828, 3562),

Gene: Expelliarmus_9 Start: 7423, Stop: 8853, Start Num: 127

Candidate Starts for Expelliarmus_9:

(Start: 127 @7423 has 330 MA's), (232, 7573), (308, 7720), (365, 7855), (449, 7966), (482, 8029), (514, 8074), (545, 8140), (563, 8167), (584, 8212), (663, 8332), (702, 8434), (735, 8512), (737, 8518), (762, 8569), (812, 8686), (824, 8716), (867, 8770),

Gene: ExplosioNervosa_14 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for ExplosioNervosa_14:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (577, 10721), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Eyeball_12 Start: 8428, Stop: 9870, Start Num: 158

Candidate Starts for Eyeball_12:

(109, 8362), (Start: 158 @8428 has 220 MA's), (263, 8626), (365, 8839), (482, 9034), (489, 9046), (545, 9145), (667, 9340), (682, 9379), (710, 9457), (712, 9463), (735, 9511), (739, 9523), (743, 9532), (785, 9622), (824, 9712), (845, 9745), (857, 9757),

Gene: Ezurina_4 Start: 2400, Stop: 3884, Start Num: 123

Candidate Starts for Ezurina_4:

(Start: 123 @2400 has 47 MA's), (204, 2529), (224, 2550), (272, 2658), (298, 2688), (326, 2775), (328, 2781), (395, 2895), (532, 3093), (535, 3102), (549, 3132), (574, 3174), (602, 3243), (614, 3252), (658, 3318), (666, 3336), (667, 3339), (702, 3432), (735, 3510), (811, 3678), (882, 3780), (929, 3864),

Gene: FF47_06 Start: 3436, Stop: 4959, Start Num: 123

Candidate Starts for FF47_06:

(70, 3352), (Start: 123 @3436 has 47 MA's), (139, 3451), (182, 3493), (229, 3586), (233, 3598), (253, 3637), (257, 3646), (263, 3661), (296, 3724), (298, 3736), (303, 3751), (320, 3802), (324, 3820), (382, 3931), (549, 4195), (585, 4264), (601, 4303), (695, 4465), (705, 4504), (734, 4570), (740, 4588), (787, 4681), (795, 4696),

Gene: Faith1_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Faith1_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Faja_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for Faja_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Fajezeel_14 Start: 9005, Stop: 10447, Start Num: 158

Candidate Starts for Fajezeel_14:

(109, 8939), (Start: 158 @9005 has 220 MA's), (263, 9203), (365, 9416), (482, 9611), (545, 9722), (667, 9917), (682, 9956), (710, 10034), (712, 10040), (735, 10088), (739, 10100), (743, 10109), (785, 10199), (824, 10289), (845, 10322), (857, 10334),

Gene: Fameo_13 Start: 9238, Stop: 10701, Start Num: 127

Candidate Starts for Fameo_13:

(Start: 127 @9238 has 330 MA's), (182, 9298), (233, 9403), (324, 9601), (365, 9685), (382, 9718), (466, 9829), (484, 9865), (534, 9946), (545, 9973), (549, 9979), (563, 10000), (566, 10006), (587, 10051), (667, 10174), (735, 10345), (741, 10363), (743, 10366), (757, 10393), (762, 10402), (812, 10519), (824, 10549), (842, 10579), (867, 10603),

Gene: Fancypants_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Fancypants_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465,

2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (833, 3578),

Gene: Farber_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for Farber_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Farewell_3 Start: 2307, Stop: 3758, Start Num: 144

Candidate Starts for Farewell_3:

(Start: 142 @2304 has 1 MA's), (Start: 144 @2307 has 15 MA's), (Start: 151 @2313 has 63 MA's), (182, 2352), (207, 2418), (246, 2481), (253, 2502), (259, 2517), (266, 2532), (319, 2637), (326, 2661), (428, 2835), (433, 2844), (478, 2934), (488, 2955), (500, 2982), (501, 2985), (557, 3090), (622, 3159), (645, 3204), (689, 3312), (697, 3321), (702, 3345), (716, 3387), (735, 3423), (741, 3441), (780, 3522), (809, 3585), (820, 3615), (866, 3678),

Gene: FarmResident_5 Start: 2373, Stop: 4010, Start Num: 132

Candidate Starts for FarmResident_5:

(Start: 132 @2373 has 11 MA's), (189, 2448), (252, 2577), (253, 2580), (266, 2610), (305, 2682), (319, 2718), (332, 2757), (441, 2889), (469, 2928), (481, 2961), (492, 2985), (495, 2991), (506, 3012), (510, 3018), (512, 3021), (527, 3042), (555, 3105), (557, 3108), (626, 3210), (638, 3231), (684, 3345), (720, 3438), (734, 3465), (767, 3528), (782, 3570), (799, 3597), (801, 3600), (803, 3606), (824, 3666), (840, 3696), (849, 3705), (855, 3711), (919, 3801), (925, 3813), (950, 3891),

Gene: Fascinus_11 Start: 8431, Stop: 9873, Start Num: 158

Candidate Starts for Fascinus_11:

(109, 8365), (Start: 158 @8431 has 220 MA's), (263, 8629), (365, 8842), (482, 9037), (489, 9049), (545, 9148), (667, 9343), (682, 9382), (710, 9460), (712, 9466), (735, 9514), (739, 9526), (743, 9535), (785, 9625), (824, 9715), (845, 9748), (857, 9760),

Gene: Fastidio_3 Start: 2255, Stop: 3613, Start Num: 156

Candidate Starts for Fastidio_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (745, 3386), (751, 3401), (754, 3407), (769, 3431), (826, 3575),

Gene: FatCactus_11 Start: 7289, Stop: 8740, Start Num: 127

Candidate Starts for FatCactus_11:

(Start: 127 @7289 has 330 MA's), (182, 7349), (229, 7442), (233, 7454), (355, 7718), (365, 7736), (382, 7769), (449, 7850), (476, 7895), (482, 7913), (534, 7997), (545, 8024), (549, 8030), (563, 8051), (687, 8279), (710, 8342), (735, 8396), (743, 8417), (762, 8453), (812, 8561), (824, 8591), (854, 8633), (857, 8636),

Gene: Fayely_14 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Fayely_14:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (508, 10589), (514, 10598), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (577, 10721), (587, 10742), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Feastonyeet_4 Start: 2601, Stop: 4034, Start Num: 159

Candidate Starts for Feastonyeet_4:

(Start: 159 @2601 has 63 MA's), (184, 2625), (194, 2649), (255, 2769), (257, 2775), (276, 2811), (302, 2847), (306, 2865), (319, 2898), (326, 2922), (365, 2991), (382, 3024), (489, 3180), (525, 3231), (537, 3261), (549, 3285), (574, 3327), (602, 3396), (645, 3462), (674, 3534), (687, 3570), (741, 3705), (762, 3738), (787, 3798), (798, 3819), (811, 3852), (835, 3912), (836, 3915), (923, 4026),

Gene: Fefferhead_8 Start: 2819, Stop: 4372, Start Num: 83

Candidate Starts for Fefferhead_8:

(44, 2687), (46, 2714), (Start: 75 @2804 has 32 MA's), (Start: 83 @2819 has 142 MA's), (175, 2918), (182, 2927), (186, 2936), (Start: 222 @3008 has 4 MA's), (232, 3032), (248, 3065), (281, 3125), (305, 3176), (314, 3197), (319, 3212), (362, 3302), (369, 3317), (414, 3392), (428, 3413), (441, 3437), (479, 3506), (495, 3542), (501, 3554), (522, 3587), (537, 3620), (546, 3641), (558, 3662), (575, 3692), (624, 3725), (635, 3743), (645, 3773), (666, 3821), (670, 3833), (672, 3836), (676, 3848), (677, 3851), (687, 3878), (711, 3935), (741, 4004), (751, 4025), (787, 4100), (803, 4121), (812, 4148), (813, 4157), (828, 4193),

Gene: FeliMaine_38 Start: 12860, Stop: 14425, Start Num: 76

Candidate Starts for FeliMaine_38:

(Start: 76 @12860 has 19 MA's), (165, 12977), (231, 13097), (255, 13142), (258, 13151), (308, 13241), (323, 13289), (324, 13292), (353, 13334), (355, 13337), (368, 13361), (423, 13433), (425, 13436), (450, 13475), (460, 13496), (462, 13499), (488, 13544), (539, 13634), (542, 13643), (549, 13652), (574, 13694), (575, 13697), (592, 13736), (619, 13778), (625, 13784), (628, 13787), (647, 13832), (674, 13901), (710, 14000), (714, 14012), (763, 14111), (789, 14177), (802, 14198), (807, 14213), (856, 14306), (870, 14321),

Gene: Fenn_13 Start: 9995, Stop: 11437, Start Num: 158

Candidate Starts for Fenn_13:

(109, 9929), (Start: 158 @9995 has 220 MA's), (263, 10193), (365, 10406), (482, 10601), (489, 10613), (545, 10712), (667, 10907), (682, 10946), (710, 11024), (712, 11030), (735, 11078), (739, 11090), (743, 11099), (785, 11189), (824, 11279), (845, 11312), (857, 11324),

Gene: Fernando_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Fernando_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Feyre_7 Start: 2766, Stop: 4301, Start Num: 83

Candidate Starts for Feyre_7:

(Start: 83 @2766 has 142 MA's), (Start: 154 @2838 has 46 MA's), (182, 2874), (186, 2883), (201, 2928), (248, 3012), (253, 3024), (266, 3054), (281, 3072), (305, 3123), (319, 3159), (327, 3186), (356, 3237), (359, 3240), (362, 3246), (369, 3261), (370, 3264), (414, 3336), (428, 3357), (444, 3387), (473, 3432), (495, 3486), (522, 3531), (537, 3564), (555, 3600), (557, 3603), (558, 3606), (624, 3669), (635, 3687), (637, 3693), (666, 3765), (670, 3777), (672, 3780), (677, 3795), (701, 3840), (702, 3855), (709, 3876), (734, 3930), (735, 3933), (741, 3951), (749, 3966), (780, 4032), (787, 4047), (803, 4068), (809,

4086), (813, 4104), (828, 4140), (899, 4227),

Gene: Fibonacci_13 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Fibonacci_13:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Filuzino_3 Start: 2292, Stop: 3626, Start Num: 180

Candidate Starts for Filuzino_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: Findley_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for Findley_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (345, 2526), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (527, 2853), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: Finemlucis_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Finemlucis_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (951, 4186), (956, 4258),

Gene: Finnry_6 Start: 2753, Stop: 4396, Start Num: 131

Candidate Starts for Finnry_6:

(Start: 131 @2753 has 70 MA's), (178, 2813), (253, 2963), (266, 2993), (305, 3065), (328, 3131), (367, 3179), (441, 3272), (469, 3311), (492, 3368), (495, 3374), (510, 3401), (517, 3410), (527, 3425), (638, 3614), (652, 3647), (668, 3686), (684, 3728), (767, 3911), (782, 3953), (799, 3980), (803, 3989), (824, 4049), (840, 4079), (849, 4088), (908, 4163), (925, 4196),

Gene: Fionnbharth_10 Start: 3922, Stop: 5508, Start Num: 81

Candidate Starts for Fionnbharth_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845,

5392), (857, 5404),

Gene: Firehouse51_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Firehouse51_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: FiringLine_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for FiringLine_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (566, 9938), (587, 9983), (667, 10106), (735, 10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: First_0013 Start: 9230, Stop: 10690, Start Num: 127

Candidate Starts for First_0013:

(Start: 127 @9230 has 330 MA's), (182, 9290), (233, 9395), (355, 9659), (365, 9677), (382, 9710), (466, 9821), (534, 9938), (545, 9965), (549, 9971), (563, 9992), (566, 9998), (587, 10043), (675, 10187), (709, 10280), (735, 10337), (741, 10355), (743, 10358), (757, 10385), (762, 10394), (812, 10511), (818, 10526), (824, 10541), (842, 10571), (867, 10595),

Gene: FiveHead_3 Start: 2290, Stop: 3654, Start Num: 148

Candidate Starts for FiveHead_3:

(Start: 148 @2290 has 57 MA's), (215, 2404), (Start: 222 @2413 has 4 MA's), (535, 2956), (548, 2986), (663, 3175), (699, 3253), (789, 3472), (799, 3481), (828, 3559),

Gene: FlagStaff_3 Start: 1900, Stop: 3444, Start Num: 105

Candidate Starts for FlagStaff_3:

(Start: 105 @1900 has 79 MA's), (161, 1972), (164, 1975), (226, 2083), (246, 2116), (270, 2179), (315, 2263), (316, 2266), (355, 2350), (380, 2395), (382, 2401), (439, 2476), (442, 2482), (482, 2548), (494, 2560), (496, 2563), (516, 2593), (549, 2662), (571, 2698), (614, 2782), (649, 2839), (673, 2899), (741, 3076), (802, 3208), (825, 3271), (839, 3298), (887, 3343),

Gene: Flapper_29 Start: 15375, Stop: 16952, Start Num: 121

Candidate Starts for Flapper_29:

(Start: 121 @15375 has 32 MA's), (266, 15651), (440, 15987), (502, 16074), (570, 16191), (581, 16221), (633, 16302), (684, 16443), (722, 16542), (735, 16566), (738, 16575), (750, 16611), (759, 16635), (799, 16719), (803, 16728), (818, 16773),

Gene: Flare16_13 Start: 9268, Stop: 10728, Start Num: 127

Candidate Starts for Flare16_13:

(Start: 127 @9268 has 330 MA's), (182, 9328), (229, 9421), (233, 9433), (365, 9715), (382, 9748), (484, 9895), (489, 9904), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (687, 10258), (735, 10375), (743, 10396), (757, 10423), (762, 10432), (812, 10549), (824, 10579), (842, 10609), (867, 10633),

Gene: Flathead_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Flathead_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (527, 2898), (531, 2907), (546, 2946), (557, 2964), (558, 2967), (575, 2997), (637, 3054), (652, 3093), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Flaverint_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Flaverint_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Float294_27 Start: 14988, Stop: 16571, Start Num: 120

Candidate Starts for Float294_27:

(Start: 120 @14988 has 6 MA's), (Start: 127 @14997 has 330 MA's), (182, 15075), (305, 15342), (353, 15456), (529, 15726), (570, 15810), (576, 15825), (581, 15840), (633, 15921), (672, 16029), (684, 16062), (722, 16161), (735, 16185), (738, 16194), (759, 16254), (788, 16320), (799, 16338), (803, 16347), (818, 16392), (824, 16407),

Gene: Floof_3 Start: 2472, Stop: 4010, Start Num: 148

Candidate Starts for Floof_3:

(Start: 148 @2472 has 57 MA's), (Start: 222 @2592 has 4 MA's), (246, 2640), (266, 2691), (377, 2877), (583, 3225), (634, 3285), (639, 3300), (687, 3423), (689, 3426), (705, 3468), (782, 3633), (789, 3651), (799, 3660), (803, 3669), (928, 3849),

Gene: Floral_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for Floral_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Florean_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Florean_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Florence1_10 Start: 7727, Stop: 9160, Start Num: 127

Candidate Starts for Florence1_10:

(Start: 127 @7727 has 330 MA's), (241, 7883), (247, 7895), (252, 7910), (255, 7916), (329, 8084), (343, 8111), (382, 8189), (449, 8270), (488, 8342), (489, 8345), (534, 8417), (549, 8450), (563, 8471), (573, 8489), (577, 8501), (605, 8546), (710, 8762), (735, 8816), (741, 8834), (762, 8873), (812, 8990), (824, 9020), (842, 9050), (867, 9074),

Gene: Florence4_11 Start: 7727, Stop: 9160, Start Num: 127

Candidate Starts for Florence4_11:

(Start: 127 @7727 has 330 MA's), (241, 7883), (247, 7895), (252, 7910), (255, 7916), (329, 8084), (343, 8111), (382, 8189), (449, 8270), (488, 8342), (489, 8345), (534, 8417), (549, 8450), (563, 8471), (573, 8489), (577, 8501), (605, 8546), (710, 8762), (735, 8816), (741, 8834), (762, 8873), (812, 8990),

(824, 9020), (842, 9050), (867, 9074),

Gene: Florinda_3 Start: 2258, Stop: 3628, Start Num: 156

Candidate Starts for Florinda_3:

(Start: 156 @2258 has 163 MA's), (Start: 193 @2318 has 1 MA's), (196, 2327), (198, 2333), (199, 2336), (Start: 222 @2375 has 4 MA's), (252, 2441), (253, 2444), (290, 2513), (305, 2552), (309, 2561), (324, 2609), (365, 2669), (391, 2717), (423, 2762), (465, 2807), (490, 2834), (514, 2879), (532, 2900), (533, 2903), (534, 2906), (541, 2927), (546, 2936), (575, 2987), (576, 2990), (579, 2999), (592, 3029), (603, 3050), (641, 3119), (646, 3128), (662, 3179), (664, 3182), (684, 3236), (686, 3242), (688, 3248), (735, 3359), (754, 3410), (769, 3434), (833, 3596),

Gene: Flutur_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Flutur_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Flux_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Flux_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (687, 9580), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: FlyCatcher_16 Start: 9998, Stop: 11494, Start Num: 124

Candidate Starts for FlyCatcher_16:

(Start: 124 @9998 has 299 MA's), (233, 10163), (298, 10313), (320, 10379), (355, 10463), (368, 10487), (382, 10514), (395, 10532), (449, 10595), (476, 10643), (480, 10655), (488, 10670), (489, 10673), (534, 10745), (545, 10772), (549, 10778), (563, 10799), (574, 10820), (577, 10829), (599, 10877), (663, 10982), (710, 11108), (711, 11111), (735, 11162), (737, 11168), (743, 11183), (787, 11282), (798, 11303), (802, 11309), (812, 11339), (824, 11369), (842, 11399), (845, 11402), (861, 11420),

Gene: Footloose_3 Start: 2197, Stop: 3531, Start Num: 154

Candidate Starts for Footloose_3:

(94, 2122), (Start: 144 @2191 has 15 MA's), (147, 2194), (Start: 154 @2197 has 46 MA's), (162, 2212), (178, 2233), (182, 2236), (212, 2311), (249, 2383), (252, 2389), (253, 2392), (255, 2395), (263, 2416), (264, 2419), (284, 2449), (286, 2455), (293, 2464), (299, 2467), (303, 2479), (314, 2512), (328, 2557), (361, 2578), (363, 2581), (380, 2614), (386, 2626), (402, 2647), (437, 2674), (443, 2686), (479, 2746), (555, 2896), (579, 2944), (581, 2950), (618, 2980), (672, 3091), (678, 3109), (699, 3148), (707, 3187), (711, 3196), (734, 3244), (735, 3247), (762, 3301), (773, 3322), (778, 3337), (789, 3367), (799, 3376), (807, 3397), (814, 3421), (855, 3487),

Gene: ForGetIt_10 Start: 7783, Stop: 9216, Start Num: 127

Candidate Starts for ForGetIt_10:

(Start: 127 @7783 has 330 MA's), (247, 7951), (252, 7966), (255, 7972), (329, 8140), (343, 8167), (382, 8245), (449, 8326), (488, 8398), (489, 8401), (534, 8473), (549, 8506), (563, 8527), (577, 8557), (605, 8602), (710, 8818), (735, 8872), (741, 8890), (762, 8929), (812, 9046), (824, 9076), (842, 9106), (867, 9130),

Gene: Forester_3 Start: 2537, Stop: 3967, Start Num: 222

Candidate Starts for Forester_3:

(Start: 222 @2537 has 4 MA's), (266, 2636), (377, 2822), (546, 3095), (583, 3170), (634, 3230), (672, 3326), (687, 3368), (689, 3371), (705, 3413), (782, 3578), (789, 3596), (799, 3605),

Gene: ForesterFrank_14 Start: 10739, Stop: 12202, Start Num: 127

Candidate Starts for ForesterFrank_14:

(Start: 127 @10739 has 330 MA's), (182, 10799), (233, 10904), (365, 11186), (369, 11195), (484, 11366), (489, 11375), (534, 11447), (545, 11474), (549, 11480), (563, 11501), (735, 11846), (741, 11864), (743, 11867), (749, 11882), (757, 11894), (762, 11903), (812, 12020), (824, 12050), (842, 12080), (867, 12104),

Gene: ForeverHowLong_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for ForeverHowLong_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: Forsytheast_11 Start: 8695, Stop: 10137, Start Num: 158

Candidate Starts for Forsytheast_11:

(109, 8629), (Start: 158 @8695 has 220 MA's), (263, 8893), (365, 9106), (482, 9301), (489, 9313), (545, 9412), (584, 9484), (667, 9607), (682, 9646), (710, 9724), (712, 9730), (735, 9778), (739, 9790), (743, 9799), (785, 9889), (824, 9979), (845, 10012), (857, 10024),

Gene: FosterFrank_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for FosterFrank_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (400, 2860), (419, 2890), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Foxboro_26 Start: 15428, Stop: 17017, Start Num: 121

Candidate Starts for Foxboro_26:

(Start: 121 @15428 has 32 MA's), (Start: 124 @15434 has 299 MA's), (138, 15449), (Start: 145 @15458 has 30 MA's), (182, 15512), (266, 15704), (305, 15782), (315, 15806), (323, 15836), (440, 16040), (460, 16067), (487, 16094), (533, 16184), (570, 16256), (576, 16271), (581, 16286), (633, 16367), (684, 16508), (722, 16607), (730, 16622), (735, 16631), (738, 16640), (750, 16676), (759, 16700), (799, 16784), (803, 16793), (818, 16838),

Gene: Francis47_12 Start: 8932, Stop: 10374, Start Num: 158

Candidate Starts for Francis47_12:

(109, 8866), (Start: 158 @8932 has 220 MA's), (263, 9130), (365, 9343), (482, 9538), (489, 9550), (545, 9649), (584, 9721), (667, 9844), (682, 9883), (710, 9961), (712, 9967), (735, 10015), (739, 10027), (743, 10036), (785, 10126), (824, 10216), (845, 10249), (857, 10261),

Gene: Frankie_4 Start: 2198, Stop: 3793, Start Num: 151

Candidate Starts for Frankie_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (558, 2966), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (768, 3359), (803, 3431), (805, 3437), (808, 3446), (809, 3449), (811, 3455), (813, 3467), (835, 3518), (903, 3602), (915, 3617), (935, 3659), (941, 3680), (942, 3686), (943, 3689), (954, 3776),

Gene: FreakyGoo_16 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for FreakyGoo_16:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: Fred313_12 Start: 7896, Stop: 9362, Start Num: 127

Candidate Starts for Fred313_12:

(Start: 127 @7896 has 330 MA's), (163, 7941), (233, 8067), (266, 8136), (273, 8151), (308, 8214), (316, 8235), (320, 8247), (324, 8265), (343, 8304), (355, 8331), (480, 8520), (534, 8610), (542, 8634), (545, 8637), (549, 8643), (563, 8664), (663, 8841), (710, 8967), (711, 8970), (735, 9021), (737, 9027), (743, 9042), (757, 9072), (812, 9198), (824, 9228), (845, 9258),

Gene: FreddyB_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for FreddyB_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Fribs8_6 Start: 3474, Stop: 4919, Start Num: 159

Candidate Starts for Fribs8_6:

(Start: 159 @3474 has 63 MA's), (Start: 179 @3486 has 2 MA's), (182, 3492), (199, 3534), (214, 3564), (255, 3642), (301, 3711), (365, 3858), (471, 4017), (488, 4047), (496, 4056), (537, 4131), (549, 4155), (552, 4161), (598, 4257), (614, 4275), (633, 4305), (649, 4341), (674, 4404), (695, 4449), (725, 4539), (734, 4554), (738, 4566), (741, 4575), (757, 4599), (787, 4668), (791, 4677), (807, 4710), (811, 4722), (812, 4725), (850, 4797),

Gene: Frickyeh_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Frickyeh_4:

(Start: 123 @2191 has 47 MA's), (194, 2281), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (468, 2776), (532, 2878), (534, 2884), (542, 2908), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589),

Gene: Froghopper_13 Start: 8374, Stop: 9816, Start Num: 158

Candidate Starts for Froghopper_13:

(109, 8308), (Start: 158 @8374 has 220 MA's), (263, 8572), (365, 8785), (482, 8980), (489, 8992), (545, 9091), (667, 9286), (682, 9325), (710, 9403), (712, 9409), (735, 9457), (739, 9469), (743, 9478), (785, 9568), (824, 9658), (845, 9691), (857, 9703),

Gene: Frosty24_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Frosty24_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789,

3154), (811, 3205), (821, 3229),

Gene: Fruitloop_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Fruitloop_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Fryberger_35 Start: 11260, Stop: 12666, Start Num: 157

Candidate Starts for Fryberger_35:

(Start: 157 @11260 has 14 MA's), (189, 11299), (206, 11347), (243, 11407), (305, 11533), (327, 11596), (329, 11602), (356, 11647), (436, 11782), (480, 11851), (527, 11932), (535, 11953), (546, 11980), (624, 12064), (670, 12172), (716, 12295), (732, 12325), (734, 12328), (787, 12436), (789, 12442), (808, 12472), (811, 12481), (812, 12484), (813, 12493), (859, 12565), (867, 12574), (879, 12589),

Gene: Funston_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Funston_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Fury_34 Start: 14654, Stop: 16231, Start Num: 121

Candidate Starts for Fury_34:

(Start: 121 @14654 has 32 MA's), (Start: 124 @14660 has 299 MA's), (Start: 127 @14663 has 330 MA's), (Start: 148 @14690 has 57 MA's), (182, 14741), (305, 15008), (394, 15203), (406, 15218), (440, 15266), (570, 15470), (576, 15485), (581, 15500), (633, 15581), (667, 15677), (672, 15689), (684, 15722), (722, 15821), (735, 15845), (738, 15854), (750, 15890), (756, 15905), (759, 15914), (799, 15998), (814, 16046), (818, 16052),

Gene: Fushigi_13 Start: 9096, Stop: 10538, Start Num: 158

Candidate Starts for Fushigi_13:

(109, 9030), (Start: 158 @9096 has 220 MA's), (263, 9294), (365, 9507), (482, 9702), (545, 9813), (667, 10008), (682, 10047), (710, 10125), (712, 10131), (735, 10179), (739, 10191), (743, 10200), (785, 10290), (824, 10380), (845, 10413), (857, 10425),

Gene: G4_4 Start: 2407, Stop: 3918, Start Num: 107

Candidate Starts for G4_4:

(Start: 107 @2407 has 4 MA's), (Start: 145 @2461 has 30 MA's), (184, 2506), (197, 2539), (229, 2596), (246, 2629), (264, 2677), (319, 2788), (322, 2800), (332, 2830), (348, 2851), (352, 2854), (354, 2860), (451, 3004), (461, 3025), (488, 3067), (531, 3133), (532, 3136), (535, 3145), (539, 3157), (549, 3175), (605, 3280), (658, 3346), (682, 3406), (687, 3421), (739, 3550), (740, 3553), (741, 3556), (749, 3577), (775, 3625), (779, 3637), (785, 3655), (822, 3739), (828, 3757), (860, 3793),

Gene: GAL1_5 Start: 3245, Stop: 4624, Start Num: 107

Candidate Starts for GAL1_5:

(Start: 102 @3239 has 24 MA's), (Start: 107 @3245 has 4 MA's), (Start: 157 @3314 has 14 MA's), (196, 3368), (202, 3392), (Start: 222 @3416 has 4 MA's), (240, 3452), (252, 3482), (255, 3488), (258,

3497), (259, 3500), (263, 3509), (266, 3515), (302, 3578), (318, 3626), (321, 3635), (332, 3653), (379, 3710), (396, 3737), (401, 3743), (411, 3758), (533, 3914), (576, 4001), (577, 4004), (592, 4040), (622, 4091), (641, 4127), (672, 4208), (704, 4292), (705, 4295), (722, 4340), (728, 4352), (734, 4361), (752, 4409), (771, 4445), (786, 4487), (806, 4523), (820, 4562), (834, 4592),

Gene: GMA4_3 Start: 2101, Stop: 3495, Start Num: 143

Candidate Starts for GMA4_3:

(Start: 143 @2101 has 5 MA's), (197, 2191), (210, 2227), (257, 2317), (263, 2332), (300, 2386), (314, 2428), (324, 2464), (326, 2467), (327, 2470), (331, 2482), (351, 2521), (362, 2545), (373, 2569), (404, 2617), (412, 2629), (441, 2668), (458, 2701), (462, 2710), (492, 2779), (495, 2785), (500, 2794), (501, 2797), (512, 2815), (548, 2890), (576, 2941), (577, 2944), (586, 2953), (691, 3133), (734, 3241), (748, 3274), (749, 3277), (767, 3304), (799, 3373), (803, 3382), (830, 3451), (852, 3478),

Gene: GMonster_11 Start: 8300, Stop: 9742, Start Num: 158

Candidate Starts for GMonster_11:

(109, 8234), (Start: 158 @8300 has 220 MA's), (263, 8498), (365, 8711), (482, 8906), (489, 8918), (545, 9017), (667, 9212), (682, 9251), (710, 9329), (712, 9335), (735, 9383), (739, 9395), (743, 9404), (762, 9437), (785, 9494), (824, 9584), (845, 9617), (857, 9629),

Gene: GRU1_15 Start: 7260, Stop: 8837, Start Num: 121

Candidate Starts for GRU1_15:

(Start: 121 @7260 has 32 MA's), (266, 7536), (326, 7674), (440, 7872), (502, 7959), (570, 8076), (581, 8106), (633, 8187), (678, 8313), (684, 8328), (722, 8427), (735, 8451), (738, 8460), (750, 8496), (759, 8520), (799, 8604), (803, 8613), (818, 8658),

Gene: GTE2_03 Start: 2503, Stop: 3933, Start Num: 184

Candidate Starts for GTE2_03:

(Start: 159 @2479 has 63 MA's), (184, 2503), (238, 2614), (242, 2617), (246, 2626), (297, 2707), (301, 2725), (322, 2791), (365, 2872), (489, 3061), (525, 3112), (537, 3142), (545, 3160), (549, 3166), (663, 3394), (670, 3412), (674, 3421), (680, 3436), (687, 3457), (739, 3586), (762, 3625), (800, 3709), (807, 3727), (811, 3739), (812, 3742), (835, 3799), (836, 3802), (923, 3910),

Gene: GTE5_16 Start: 8269, Stop: 9846, Start Num: 121

Candidate Starts for GTE5_16:

(Start: 121 @8269 has 32 MA's), (266, 8545), (326, 8683), (440, 8881), (502, 8968), (570, 9085), (581, 9115), (633, 9196), (678, 9322), (684, 9337), (722, 9436), (735, 9460), (738, 9469), (750, 9505), (759, 9529), (799, 9613), (803, 9622), (818, 9667),

Gene: GTE8_14 Start: 8211, Stop: 9800, Start Num: 121

Candidate Starts for GTE8_14:

(Start: 121 @8211 has 32 MA's), (Start: 124 @8217 has 299 MA's), (138, 8232), (182, 8295), (266, 8487), (305, 8565), (315, 8589), (323, 8619), (440, 8823), (460, 8850), (487, 8877), (532, 8964), (533, 8967), (570, 9039), (576, 9054), (581, 9069), (633, 9150), (646, 9183), (684, 9291), (722, 9390), (735, 9414), (738, 9423), (750, 9459), (759, 9483), (799, 9567), (803, 9576), (818, 9621),

Gene: GUmble_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for GUmble_3:

(Start: 156 @2256 has 163 MA's), (Start: 179 @2289 has 2 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (250, 2436), (252, 2439), (253, 2442), (290, 2511), (293, 2517), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (686, 3240), (688, 3246), (718, 3324), (735, 3357), (739, 3369), (754, 3408), (769,

3432), (833, 3594),

Gene: Gabriela_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Gabriela_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Gachnar_12 Start: 8715, Stop: 10157, Start Num: 158

Candidate Starts for Gachnar_12:

(109, 8649), (Start: 158 @8715 has 220 MA's), (263, 8913), (365, 9126), (482, 9321), (489, 9333), (545, 9432), (584, 9504), (667, 9627), (682, 9666), (710, 9744), (712, 9750), (735, 9798), (739, 9810), (743, 9819), (785, 9909), (824, 9999), (845, 10032), (857, 10044),

Gene: Gadost_12 Start: 8582, Stop: 10033, Start Num: 124

Candidate Starts for Gadost_12:

(Start: 124 @8582 has 299 MA's), (229, 8729), (233, 8741), (316, 8909), (324, 8939), (343, 8978), (352, 8996), (382, 9056), (476, 9185), (482, 9203), (489, 9215), (545, 9314), (549, 9320), (563, 9341), (566, 9347), (599, 9416), (642, 9476), (663, 9521), (710, 9647), (711, 9650), (735, 9701), (743, 9722), (757, 9752), (798, 9842), (812, 9878), (824, 9908), (845, 9938),

Gene: GageAP_14 Start: 9421, Stop: 10863, Start Num: 158

Candidate Starts for GageAP_14:

(109, 9355), (Start: 158 @9421 has 220 MA's), (263, 9619), (365, 9832), (482, 10027), (484, 10030), (489, 10039), (545, 10138), (667, 10333), (682, 10372), (710, 10450), (712, 10456), (735, 10504), (739, 10516), (743, 10525), (785, 10615), (824, 10705), (845, 10738), (857, 10750),

Gene: Gagieri_29 Start: 15637, Stop: 17226, Start Num: 117

Candidate Starts for Gagieri_29:

(96, 15610), (Start: 117 @15637 has 8 MA's), (Start: 121 @15643 has 32 MA's), (Start: 127 @15652 has 330 MA's), (Start: 140 @15670 has 4 MA's), (Start: 143 @15673 has 5 MA's), (182, 15730), (227, 15823), (305, 15997), (307, 16003), (318, 16030), (360, 16123), (399, 16198), (406, 16207), (427, 16237), (487, 16306), (557, 16435), (570, 16456), (577, 16474), (581, 16486), (641, 16591), (653, 16618), (667, 16663), (672, 16675), (684, 16708), (713, 16786), (722, 16807), (735, 16831), (738, 16840), (746, 16864), (785, 16960), (799, 16984), (803, 16993), (811, 17017),

Gene: Gaia_3 Start: 3366, Stop: 4799, Start Num: 102

Candidate Starts for Gaia_3:

(Start: 102 @3366 has 24 MA's), (Start: 126 @3396 has 23 MA's), (Start: 136 @3405 has 3 MA's), (Start: 154 @3423 has 46 MA's), (236, 3561), (247, 3582), (257, 3609), (258, 3612), (292, 3672), (301, 3687), (302, 3690), (306, 3708), (308, 3711), (312, 3717), (327, 3768), (348, 3804), (352, 3807), (362, 3828), (395, 3885), (414, 3912), (426, 3927), (439, 3942), (484, 4008), (508, 4041), (531, 4080), (532, 4083), (534, 4089), (539, 4104), (542, 4113), (549, 4122), (575, 4167), (583, 4185), (593, 4212), (667, 4329), (670, 4338), (674, 4347), (684, 4374), (687, 4383), (709, 4443), (719, 4467), (733, 4494), (739, 4515), (762, 4563), (785, 4620), (797, 4641), (802, 4650), (825, 4713), (828, 4722), (889, 4785),

Gene: Gail_12 Start: 8302, Stop: 9762, Start Num: 127

Candidate Starts for Gail_12:

(Start: 127 @8302 has 330 MA's), (182, 8362), (233, 8467), (266, 8536), (329, 8677), (365, 8749), (432, 8842), (436, 8851), (484, 8929), (534, 9010), (545, 9037), (549, 9043), (560, 9061), (563, 9064),

(574, 9085), (587, 9115), (602, 9136), (624, 9154), (657, 9217), (682, 9277), (735, 9409), (741, 9427), (757, 9457), (762, 9466), (787, 9526), (812, 9583), (824, 9613), (842, 9643), (867, 9667),

Gene: Galactic_3 Start: 2239, Stop: 3597, Start Num: 156

Candidate Starts for Galactic_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: Gallia_21 Start: 12386, Stop: 14023, Start Num: 121

Candidate Starts for Gallia_21:

(Start: 121 @12386 has 32 MA's), (228, 12566), (247, 12608), (299, 12710), (305, 12734), (315, 12758), (326, 12794), (360, 12860), (420, 12968), (440, 13004), (454, 13031), (509, 13157), (581, 13289), (608, 13355), (646, 13415), (656, 13451), (684, 13523), (687, 13532), (696, 13544), (735, 13643), (741, 13661), (750, 13688), (791, 13784), (799, 13796), (802, 13802), (806, 13814), (818, 13850), (834, 13877), (843, 13889),

Gene: Gambol_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Gambol_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Gandalf20_13 Start: 9489, Stop: 10931, Start Num: 158

Candidate Starts for Gandalf20_13:

(109, 9423), (Start: 158 @9489 has 220 MA's), (263, 9687), (365, 9900), (482, 10095), (484, 10098), (545, 10206), (667, 10401), (682, 10440), (710, 10518), (712, 10524), (735, 10572), (739, 10584), (743, 10593), (785, 10683), (824, 10773), (845, 10806), (857, 10818),

Gene: Gandolph_3 Start: 2291, Stop: 3625, Start Num: 180

Candidate Starts for Gandolph_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (675, 3209), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Ganymede_9 Start: 3046, Stop: 4599, Start Num: 83

Candidate Starts for Ganymede_9:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3145), (182, 3154), (215, 3226), (Start: 222 @3235 has 4 MA's), (232, 3259), (248, 3292), (252, 3301), (266, 3334), (305, 3403), (314, 3424), (327, 3466), (362, 3532), (369, 3547), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (659, 4033), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: Garak_17 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Garak_17:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Gardann_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Gardann_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: GardenSalsa_19 Start: 6838, Stop: 8439, Start Num: 93

Candidate Starts for GardenSalsa_19:

(Start: 93 @6838 has 23 MA's), (215, 7027), (235, 7060), (243, 7072), (252, 7096), (263, 7123), (266, 7129), (305, 7201), (308, 7207), (318, 7234), (319, 7237), (361, 7300), (363, 7303), (371, 7321), (466, 7438), (495, 7495), (531, 7555), (534, 7564), (557, 7612), (558, 7615), (640, 7738), (659, 7774), (678, 7825), (680, 7828), (697, 7858), (701, 7867), (721, 7933), (722, 7936), (735, 7960), (778, 8050), (803, 8098), (862, 8209), (914, 8281),

Gene: GardenState_3 Start: 2211, Stop: 3590, Start Num: 148

Candidate Starts for GardenState_3:

(Start: 148 @2211 has 57 MA's), (Start: 222 @2331 has 4 MA's), (377, 2619), (501, 2811), (546, 2892), (689, 3168), (705, 3210), (789, 3393), (799, 3402), (803, 3411),

Gene: Gattaca_35 Start: 12039, Stop: 13604, Start Num: 76

Candidate Starts for Gattaca_35:

(Start: 76 @12039 has 19 MA's), (165, 12156), (231, 12276), (255, 12321), (258, 12330), (308, 12420), (323, 12468), (324, 12471), (353, 12513), (355, 12516), (368, 12540), (423, 12612), (425, 12615), (450, 12654), (460, 12675), (462, 12678), (488, 12723), (539, 12813), (542, 12822), (549, 12831), (574, 12873), (575, 12876), (592, 12915), (619, 12957), (625, 12963), (628, 12966), (647, 13011), (674, 13080), (710, 13179), (714, 13191), (763, 13290), (789, 13356), (802, 13377), (807, 13392), (856, 13485), (870, 13500),

Gene: GaugeLDP_15 Start: 10544, Stop: 11995, Start Num: 127

Candidate Starts for GaugeLDP_15:

(Start: 127 @10544 has 330 MA's), (Start: 143 @10565 has 5 MA's), (182, 10604), (233, 10709), (365, 10991), (438, 11096), (489, 11183), (534, 11255), (545, 11282), (549, 11288), (563, 11309), (735, 11654), (743, 11675), (757, 11702), (762, 11711), (789, 11777), (812, 11828), (824, 11858), (842, 11888), (867, 11912),

Gene: Geeche_30 Start: 10263, Stop: 11879, Start Num: 104

Candidate Starts for Geeche_30:

(Start: 104 @10263 has 19 MA's), (Start: 143 @10314 has 5 MA's), (Start: 151 @10323 has 63 MA's), (Start: 193 @10383 has 1 MA's), (Start: 222 @10440 has 4 MA's), (240, 10476), (258, 10521), (269, 10548), (365, 10752), (379, 10782), (403, 10818), (431, 10863), (435, 10872), (444, 10887), (532, 11025), (533, 11028), (539, 11046), (541, 11052), (566, 11094), (644, 11286), (675, 11373), (686, 11403), (704, 11448), (722, 11496), (730, 11511), (756, 11574), (769, 11598), (771, 11604), (775, 11613), (806, 11682), (824, 11733), (825, 11736), (829, 11748),

Gene: Gemma_14 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Gemma_14:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: GenevaB15_19 Start: 6859, Stop: 8460, Start Num: 93

Candidate Starts for GenevaB15_19:

(Start: 93 @6859 has 23 MA's), (215, 7048), (243, 7093), (252, 7117), (263, 7144), (266, 7150), (305, 7222), (308, 7228), (318, 7255), (319, 7258), (361, 7321), (363, 7324), (371, 7342), (466, 7459), (495, 7516), (531, 7576), (534, 7585), (555, 7630), (557, 7633), (558, 7636), (640, 7759), (659, 7795), (678, 7846), (680, 7849), (686, 7867), (697, 7879), (701, 7888), (721, 7954), (722, 7957), (735, 7981), (778, 8071), (803, 8119), (862, 8230), (914, 8302),

Gene: Gengar_7 Start: 2791, Stop: 4326, Start Num: 83

Candidate Starts for Gengar_7:

(Start: 83 @2791 has 142 MA's), (Start: 154 @2863 has 46 MA's), (182, 2899), (186, 2908), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (327, 3211), (356, 3262), (359, 3265), (362, 3271), (369, 3286), (370, 3289), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (546, 3610), (555, 3625), (557, 3628), (558, 3631), (624, 3694), (635, 3712), (637, 3718), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: George_9 Start: 7939, Stop: 9372, Start Num: 127

Candidate Starts for George_9:

(Start: 127 @7939 has 330 MA's), (241, 8095), (247, 8107), (252, 8122), (255, 8128), (329, 8296), (343, 8323), (382, 8401), (449, 8482), (488, 8554), (489, 8557), (534, 8629), (549, 8662), (563, 8683), (573, 8701), (577, 8713), (605, 8758), (710, 8974), (735, 9028), (741, 9046), (762, 9085), (812, 9202), (824, 9232), (842, 9262), (867, 9286),

Gene: Georgie2_14 Start: 9171, Stop: 10634, Start Num: 127

Candidate Starts for Georgie2_14:

(Start: 127 @9171 has 330 MA's), (182, 9231), (233, 9336), (324, 9534), (365, 9618), (382, 9651), (466, 9762), (534, 9879), (545, 9906), (549, 9912), (563, 9933), (566, 9939), (587, 9984), (667, 10107), (735, 10278), (741, 10296), (743, 10299), (757, 10326), (762, 10335), (812, 10452), (824, 10482), (842, 10512),

Gene: Geraldini_9 Start: 3049, Stop: 4605, Start Num: 83

Candidate Starts for Geraldini_9:

(46, 2947), (Start: 75 @3034 has 32 MA's), (Start: 83 @3049 has 142 MA's), (175, 3148), (182, 3157), (215, 3229), (Start: 222 @3238 has 4 MA's), (232, 3262), (243, 3280), (248, 3295), (252, 3304), (266, 3337), (305, 3406), (314, 3427), (327, 3469), (362, 3535), (414, 3625), (428, 3646), (458, 3700), (522, 3820), (537, 3853), (546, 3874), (558, 3895), (575, 3925), (624, 3958), (635, 3976), (659, 4036), (666, 4054), (670, 4066), (672, 4069), (676, 4081), (677, 4084), (699, 4120), (711, 4168), (735, 4219), (741, 4237), (787, 4333), (803, 4354), (812, 4381), (813, 4390), (828, 4426),

Gene: Geralt_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Geralt_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490,

2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Gerri43_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for Gerri43_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: Getalong_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Getalong_4:

(Start: 123 @2191 has 47 MA's), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (532, 2878), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (674, 3157), (682, 3178), (696, 3208), (741, 3331), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: Ghoulboy_10 Start: 8016, Stop: 9449, Start Num: 127

Candidate Starts for Ghoulboy_10:

(Start: 127 @8016 has 330 MA's), (229, 8151), (247, 8184), (252, 8199), (255, 8205), (266, 8232), (329, 8373), (343, 8400), (382, 8478), (449, 8559), (482, 8622), (484, 8625), (488, 8631), (489, 8634), (534, 8706), (549, 8739), (563, 8760), (577, 8790), (710, 9051), (735, 9105), (741, 9123), (762, 9162), (812, 9279), (824, 9309), (857, 9354), (867, 9363),

Gene: GiKK_8 Start: 3184, Stop: 4635, Start Num: 159

Candidate Starts for GiKK_8:

(Start: 159 @3184 has 63 MA's), (182, 3199), (231, 3301), (246, 3322), (257, 3352), (313, 3457), (320, 3478), (322, 3487), (327, 3502), (392, 3616), (430, 3652), (484, 3748), (531, 3820), (537, 3838), (549, 3862), (552, 3868), (633, 4012), (674, 4111), (757, 4309), (762, 4318), (768, 4327), (811, 4432), (835, 4492), (848, 4507), (923, 4618),

Gene: Gibbous_5 Start: 2920, Stop: 4368, Start Num: 159

Candidate Starts for Gibbous_5:

(88, 2833), (Start: 159 @2920 has 63 MA's), (197, 2974), (199, 2980), (231, 3043), (255, 3088), (301, 3157), (303, 3163), (365, 3304), (382, 3337), (423, 3382), (484, 3487), (488, 3493), (537, 3577), (549, 3601), (552, 3607), (585, 3670), (645, 3778), (674, 3850), (725, 3985), (738, 4012), (740, 4018), (741, 4021), (765, 4057), (787, 4114), (807, 4156), (847, 4240), (923, 4342),

Gene: Gibson_9 Start: 4531, Stop: 6078, Start Num: 102

Candidate Starts for Gibson_9:

(55, 4450), (65, 4471), (74, 4489), (80, 4501), (Start: 102 @4531 has 24 MA's), (139, 4582), (189, 4648), (190, 4651), (195, 4660), (206, 4693), (249, 4768), (255, 4780), (296, 4873), (333, 4948), (335, 4951), (352, 4963), (362, 4984), (365, 4990), (375, 5011), (479, 5158), (486, 5167), (545, 5281), (551, 5290), (649, 5479), (659, 5503), (667, 5524), (672, 5536), (675, 5545), (683, 5569), (734, 5698), (737, 5707), (746, 5734), (799, 5845), (854, 5950), (894, 6001),

Gene: Gideon_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Gideon_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: GigiOuiOui_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for GigiOuiOui_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (675, 3209), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Gilberta_13 Start: 9781, Stop: 11238, Start Num: 127

Candidate Starts for Gilberta_13:

(Start: 127 @9781 has 330 MA's), (169, 9826), (182, 9841), (233, 9946), (365, 10228), (382, 10261), (489, 10417), (534, 10489), (545, 10516), (549, 10522), (563, 10543), (587, 10594), (720, 10858), (735, 10888), (743, 10909), (749, 10924), (757, 10936), (762, 10945), (802, 11032), (812, 11062), (824, 11092), (842, 11122), (908, 11188),

Gene: GingkoMaracino_14 Start: 8540, Stop: 9994, Start Num: 124

Candidate Starts for GingkoMaracino_14:

(Start: 124 @8540 has 299 MA's), (Start: 157 @8570 has 14 MA's), (182, 8597), (233, 8702), (298, 8816), (320, 8882), (343, 8939), (382, 9017), (384, 9020), (482, 9161), (545, 9272), (549, 9278), (563, 9299), (663, 9464), (710, 9590), (735, 9644), (737, 9650), (743, 9665), (762, 9701), (802, 9788), (812, 9818), (824, 9848), (857, 9893), (867, 9902),

Gene: Giorgio_3 Start: 2308, Stop: 3876, Start Num: 145

Candidate Starts for Giorgio_3:

(Start: 145 @2308 has 30 MA's), (Start: 222 @2434 has 4 MA's), (324, 2659), (355, 2695), (363, 2704), (371, 2722), (421, 2797), (444, 2821), (495, 2926), (672, 3232), (675, 3241), (682, 3259), (687, 3274), (689, 3277), (799, 3517), (913, 3691),

Gene: Girafales_4 Start: 2197, Stop: 3618, Start Num: 151

Candidate Starts for Girafales_4:

(Start: 151 @2197 has 63 MA's), (172, 2224), (182, 2236), (246, 2365), (253, 2386), (266, 2416), (305, 2485), (314, 2506), (324, 2542), (327, 2548), (345, 2572), (347, 2575), (381, 2650), (384, 2656), (415, 2701), (441, 2743), (495, 2845), (500, 2854), (501, 2857), (506, 2866), (527, 2896), (531, 2905), (546, 2944), (557, 2962), (558, 2965), (575, 2995), (637, 3052), (652, 3091), (670, 3136), (677, 3154), (687, 3181), (697, 3193), (699, 3196), (701, 3202), (713, 3250), (768, 3358), (803, 3430), (808, 3445), (811, 3454), (812, 3457), (835, 3517), (845, 3529), (870, 3553), (889, 3577),

Gene: GirlDinner_7 Start: 3867, Stop: 5354, Start Num: 155

Candidate Starts for GirlDinner_7:

(Start: 155 @3867 has 140 MA's), (Start: 222 @3984 has 4 MA's), (266, 4083), (284, 4137), (305, 4176), (444, 4389), (534, 4557), (573, 4632), (576, 4641), (579, 4650), (585, 4668), (588, 4674), (645, 4815), (667, 4866), (669, 4872), (773, 5109), (813, 5208), (827, 5241), (841, 5262), (908, 5340),

Gene: Giroux_13 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for Giroux_13:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: Girr_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Girr_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Gladiator_16 Start: 9258, Stop: 10724, Start Num: 127

Candidate Starts for Gladiator_16:

(Start: 127 @9258 has 330 MA's), (Start: 143 @9279 has 5 MA's), (182, 9318), (225, 9405), (230, 9417), (233, 9423), (365, 9705), (400, 9759), (504, 9918), (534, 9969), (545, 9996), (549, 10002), (563, 10023), (682, 10236), (743, 10389), (749, 10404), (757, 10416), (762, 10425), (789, 10491), (802, 10512), (812, 10542), (824, 10572), (842, 10602),

Gene: Glaske16_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Glaske16_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Globfish_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for Globfish_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (432, 2776), (460, 2821), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (585, 3046), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (734, 3340), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: GlobiWarming_3 Start: 2383, Stop: 3741, Start Num: 145

Candidate Starts for GlobiWarming_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (787, 3589), (789, 3595), (851, 3709), (879, 3733),

Gene: Goby_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Goby_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (266, 4272), (361, 4455), (412, 4539), (444, 4581), (530, 4737), (534, 4749), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (908, 5478),

Gene: GodSpeed_3 Start: 1903, Stop: 3444, Start Num: 105

Candidate Starts for GodSpeed_3:

(49, 1765), (Start: 105 @1903 has 79 MA's), (161, 1975), (164, 1978), (226, 2086), (246, 2119), (270, 2182), (315, 2266), (316, 2269), (382, 2404), (395, 2422), (442, 2485), (482, 2551), (494, 2563), (516, 2596), (531, 2623), (534, 2632), (549, 2665), (571, 2701), (614, 2785), (649, 2842), (673, 2902), (811, 3238), (825, 3274), (839, 3301), (848, 3310),

Gene: Godpower_8 Start: 4059, Stop: 5495, Start Num: 155

Candidate Starts for Godpower_8:

(Start: 144 @4053 has 15 MA's), (Start: 155 @4059 has 140 MA's), (174, 4083), (188, 4107), (Start: 222 @4176 has 4 MA's), (246, 4224), (266, 4275), (361, 4458), (412, 4542), (444, 4584), (530, 4740), (534, 4752), (579, 4845), (629, 4923), (645, 4968), (669, 5025), (678, 5049), (760, 5238), (773, 5262), (908, 5481),

Gene: GoldHunter_6 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for GoldHunter_6:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: GoldenAsh_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for GoldenAsh_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: Gollum_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Gollum_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Gomashi_3 Start: 1889, Stop: 3403, Start Num: 105

Candidate Starts for Gomashi_3:

(14, 1322), (24, 1490), (26, 1505), (39, 1634), (Start: 105 @1889 has 79 MA's), (161, 1952), (164, 1955), (173, 1964), (246, 2096), (315, 2243), (316, 2246), (362, 2336), (382, 2375), (390, 2387), (439, 2450), (442, 2456), (471, 2498), (494, 2531), (532, 2594), (549, 2633), (574, 2675), (591, 2720), (602, 2744), (614, 2753), (649, 2810), (666, 2852), (673, 2870), (674, 2873), (735, 3029), (776, 3119), (789, 3155), (811, 3206), (821, 3230),

Gene: Gompeii16_12 Start: 8892, Stop: 10334, Start Num: 158

Candidate Starts for Gompeii16_12:

(109, 8826), (Start: 158 @8892 has 220 MA's), (263, 9090), (365, 9303), (482, 9498), (489, 9510), (545, 9609), (667, 9804), (682, 9843), (710, 9921), (712, 9927), (734, 9972), (735, 9975), (739, 9987), (743, 9996), (785, 10086), (824, 10176), (845, 10209), (857, 10221),

Gene: GoongGoong_35 Start: 12079, Stop: 13644, Start Num: 76

Candidate Starts for GoongGoong_35:

(Start: 76 @12079 has 19 MA's), (165, 12196), (231, 12316), (255, 12361), (258, 12370), (308, 12460), (323, 12508), (324, 12511), (353, 12553), (355, 12556), (368, 12580), (423, 12652), (425, 12655), (450, 12694), (460, 12715), (462, 12718), (488, 12763), (539, 12853), (542, 12862), (549, 12871), (574, 12913), (575, 12916), (592, 12955), (619, 12997), (625, 13003), (628, 13006), (647, 13051), (674, 13120), (710, 13219), (714, 13231), (763, 13330), (789, 13396), (802, 13417), (807, 13432), (856, 13525), (870, 13540),

Gene: Goose_12 Start: 8377, Stop: 9819, Start Num: 124

Candidate Starts for Goose_12:

(Start: 124 @8377 has 299 MA's), (233, 8536), (266, 8605), (308, 8683), (320, 8716), (324, 8734), (342, 8773), (344, 8776), (449, 8935), (480, 8992), (489, 9010), (545, 9109), (549, 9115), (563, 9136), (566, 9142), (663, 9316), (710, 9442), (711, 9445), (735, 9496), (737, 9502), (743, 9517), (757, 9547), (762, 9556), (798, 9637), (812, 9673), (824, 9703), (861, 9754),

Gene: Gorge_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Gorge_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (600, 3029), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Gorpy_4 Start: 2275, Stop: 3606, Start Num: 155

Candidate Starts for Gorpy_4:

(Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (161, 2284), (224, 2386), (229, 2398), (301, 2539), (316, 2584), (321, 2599), (327, 2620), (355, 2656), (365, 2674), (418, 2755), (450, 2800), (498, 2878), (541, 2959), (549, 2971), (551, 2974), (565, 2998), (585, 3040), (660, 3151), (667, 3166), (679, 3196), (713, 3292), (824, 3532), (825, 3535), (828, 3541), (877, 3592),

Gene: Graduation_14 Start: 9454, Stop: 10896, Start Num: 158

Candidate Starts for Graduation_14:

(109, 9388), (Start: 158 @9454 has 220 MA's), (263, 9652), (365, 9865), (482, 10060), (489, 10072), (545, 10171), (584, 10243), (667, 10366), (682, 10405), (710, 10483), (712, 10489), (735, 10537), (739, 10549), (743, 10558), (785, 10648), (824, 10738), (845, 10771), (857, 10783),

Gene: Gratitude_14 Start: 9710, Stop: 11170, Start Num: 127

Candidate Starts for Gratitude_14:

(Start: 127 @9710 has 330 MA's), (182, 9770), (229, 9863), (233, 9875), (365, 10157), (382, 10190), (484, 10337), (489, 10346), (534, 10418), (545, 10445), (549, 10451), (563, 10472), (687, 10700), (735, 10817), (743, 10838), (757, 10865), (762, 10874), (812, 10991), (824, 11021), (842, 11051), (867, 11075),

Gene: GrecoEtereo_13 Start: 8992, Stop: 10434, Start Num: 158

Candidate Starts for GrecoEtereo_13:

(109, 8926), (Start: 158 @8992 has 220 MA's), (263, 9190), (365, 9403), (482, 9598), (489, 9610), (545, 9709), (667, 9904), (682, 9943), (710, 10021), (712, 10027), (735, 10075), (739, 10087), (743, 10096), (785, 10186), (824, 10276), (845, 10309), (857, 10321),

Gene: GreedyLawyer_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for GreedyLawyer_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: GreenWeasel_9 Start: 4105, Stop: 5589, Start Num: 155

Candidate Starts for GreenWeasel_9:

(Start: 155 @4105 has 140 MA's), (Start: 222 @4222 has 4 MA's), (246, 4270), (328, 4477), (355, 4501), (404, 4576), (412, 4588), (414, 4591), (432, 4612), (444, 4630), (458, 4657), (477, 4690), (489, 4711), (492, 4720), (534, 4795), (548, 4828), (554, 4837), (557, 4843), (573, 4870), (579, 4888), (583,

4900), (585, 4906), (638, 5032), (645, 5053), (667, 5104), (669, 5110), (734, 5269), (767, 5332), (773, 5347), (812, 5437), (827, 5479), (894, 5551),

Gene: Greenbelt_10 Start: 4815, Stop: 6389, Start Num: 102

Candidate Starts for Greenbelt_10:

(87, 4797), (Start: 102 @4815 has 24 MA's), (150, 4878), (190, 4935), (195, 4944), (197, 4950), (204, 4974), (206, 4977), (226, 5007), (269, 5094), (277, 5112), (296, 5157), (302, 5184), (322, 5241), (351, 5283), (353, 5289), (365, 5313), (382, 5349), (581, 5667), (649, 5793), (659, 5817), (675, 5859), (737, 6021), (799, 6150), (845, 6246), (854, 6255), (894, 6306),

Gene: Greg_14 Start: 9005, Stop: 10447, Start Num: 158

Candidate Starts for Greg_14:

(109, 8939), (Start: 158 @9005 has 220 MA's), (263, 9203), (365, 9416), (482, 9611), (545, 9722), (667, 9917), (682, 9956), (710, 10034), (712, 10040), (735, 10088), (739, 10100), (743, 10109), (785, 10199), (824, 10289), (845, 10322), (857, 10334),

Gene: Gretchen_3 Start: 2531, Stop: 3961, Start Num: 222

Candidate Starts for Gretchen_3:

(Start: 222 @2531 has 4 MA's), (266, 2630), (377, 2816), (546, 3089), (583, 3164), (634, 3224), (672, 3320), (687, 3362), (689, 3365), (705, 3407), (782, 3572), (789, 3590), (799, 3599),

Gene: Grif_14 Start: 8737, Stop: 10191, Start Num: 124

Candidate Starts for Grif_14:

(Start: 124 @8737 has 299 MA's), (Start: 157 @8767 has 14 MA's), (182, 8794), (233, 8899), (298, 9013), (320, 9079), (343, 9136), (382, 9214), (384, 9217), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (663, 9661), (710, 9787), (735, 9841), (737, 9847), (743, 9862), (762, 9898), (802, 9985), (812, 10015), (824, 10045), (857, 10090), (867, 10099),

Gene: GrimEater_3 Start: 1981, Stop: 3408, Start Num: 123

Candidate Starts for GrimEater_3:

(Start: 123 @1981 has 47 MA's), (197, 2074), (240, 2149), (246, 2161), (328, 2347), (365, 2410), (419, 2482), (442, 2521), (532, 2659), (542, 2689), (574, 2740), (614, 2818), (643, 2863), (655, 2890), (658, 2896), (702, 3010), (740, 3103), (762, 3148), (809, 3256),

Gene: Grimmer_4 Start: 2936, Stop: 4261, Start Num: 179

Candidate Starts for Grimmer_4:

(Start: 156 @2903 has 163 MA's), (Start: 179 @2936 has 2 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (250, 3083), (252, 3086), (253, 3089), (290, 3158), (293, 3164), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (686, 3887), (688, 3893), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223),

Gene: Grizzly_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Grizzly_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (48, 1750), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (684, 2899), (735, 3028), (789, 3154), (811, 3205), (821, 3229),

Gene: GrootJr_27 Start: 14278, Stop: 15867, Start Num: 121

Candidate Starts for GrootJr_27:

(Start: 121 @14278 has 32 MA's), (Start: 124 @14284 has 299 MA's), (138, 14299), (182, 14362), (266, 14554), (305, 14632), (315, 14656), (323, 14686), (460, 14917), (533, 15034), (570, 15106), (576, 15121), (581, 15136), (633, 15217), (684, 15358), (722, 15457), (730, 15472), (735, 15481), (738, 15490), (750, 15526), (759, 15550), (799, 15634), (803, 15643), (818, 15688),

Gene: GroundGoblin_13 Start: 9244, Stop: 10686, Start Num: 158

Candidate Starts for GroundGoblin_13:

(109, 9178), (Start: 158 @9244 has 220 MA's), (263, 9442), (365, 9655), (482, 9850), (489, 9862), (545, 9961), (667, 10156), (682, 10195), (710, 10273), (712, 10279), (735, 10327), (739, 10339), (743, 10348), (785, 10438), (824, 10528), (845, 10561), (857, 10573),

Gene: Groundhog_9 Start: 7424, Stop: 8854, Start Num: 127

Candidate Starts for Groundhog_9:

(Start: 127 @7424 has 330 MA's), (232, 7574), (308, 7721), (365, 7856), (449, 7967), (482, 8030), (514, 8075), (545, 8141), (563, 8168), (584, 8213), (663, 8333), (702, 8435), (735, 8513), (737, 8519), (762, 8570), (812, 8687), (824, 8717), (867, 8771),

Gene: Groupthink_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Groupthink_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Grub_14 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for Grub_14:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Grum1_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for Grum1_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Gruunaga_16 Start: 9258, Stop: 10724, Start Num: 127

Candidate Starts for Gruunaga_16:

(Start: 127 @9258 has 330 MA's), (Start: 143 @9279 has 5 MA's), (182, 9318), (225, 9405), (230, 9417), (233, 9423), (365, 9705), (400, 9759), (504, 9918), (534, 9969), (545, 9996), (549, 10002), (563, 10023), (682, 10236), (743, 10389), (749, 10404), (757, 10416), (762, 10425), (789, 10491), (802, 10512), (812, 10542), (824, 10572), (842, 10602),

Gene: GtownJaz_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for GtownJaz_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: Guanica15_9 Start: 3023, Stop: 4576, Start Num: 83

Candidate Starts for Guanica15_9:

(Start: 75 @3008 has 32 MA's), (Start: 83 @3023 has 142 MA's), (175, 3116), (182, 3125), (195, 3155), (232, 3230), (248, 3263), (252, 3272), (305, 3374), (314, 3395), (319, 3410), (324, 3431), (327, 3437), (369, 3515), (388, 3554), (428, 3611), (522, 3785), (546, 3839), (558, 3860), (575, 3890), (624, 3923), (666, 4019), (670, 4031), (672, 4034), (676, 4046), (677, 4049), (682, 4061), (693, 4082), (699, 4085), (741, 4202), (785, 4295), (803, 4319), (811, 4343), (812, 4346), (813, 4355), (857, 4430), (899, 4478),

Gene: Guey18_40 Start: 12453, Stop: 13859, Start Num: 157

Candidate Starts for Guey18_40:

(Start: 157 @12453 has 14 MA's), (189, 12492), (206, 12540), (243, 12600), (305, 12726), (327, 12789), (329, 12795), (356, 12840), (436, 12975), (480, 13044), (527, 13125), (535, 13146), (546, 13173), (624, 13257), (670, 13365), (716, 13488), (732, 13518), (734, 13521), (767, 13575), (782, 13617), (787, 13629), (789, 13635), (813, 13686), (859, 13758), (867, 13767), (879, 13782),

Gene: Guillsminger_7 Start: 2766, Stop: 4301, Start Num: 83

Candidate Starts for Guillsminger_7:

(Start: 83 @2766 has 142 MA's), (Start: 154 @2838 has 46 MA's), (182, 2874), (186, 2883), (201, 2928), (248, 3012), (253, 3024), (266, 3054), (281, 3072), (305, 3123), (319, 3159), (327, 3186), (356, 3237), (359, 3240), (362, 3246), (369, 3261), (370, 3264), (414, 3336), (428, 3357), (444, 3387), (473, 3432), (495, 3486), (522, 3531), (537, 3564), (546, 3585), (555, 3600), (557, 3603), (558, 3606), (624, 3669), (635, 3687), (637, 3693), (666, 3765), (670, 3777), (672, 3780), (677, 3795), (701, 3840), (702, 3855), (709, 3876), (734, 3930), (735, 3933), (741, 3951), (749, 3966), (780, 4032), (787, 4047), (803, 4068), (813, 4104), (828, 4140), (899, 4227),

Gene: GumGum_4 Start: 2278, Stop: 3615, Start Num: 155

Candidate Starts for GumGum_4:

(68, 2155), (Start: 69 @2158 has 1 MA's), (89, 2197), (97, 2206), (Start: 129 @2251 has 6 MA's), (Start: 140 @2266 has 4 MA's), (Start: 155 @2278 has 140 MA's), (188, 2320), (217, 2380), (224, 2389), (229, 2401), (266, 2488), (355, 2665), (365, 2683), (382, 2716), (482, 2866), (484, 2869), (498, 2887), (541, 2968), (549, 2980), (551, 2983), (565, 3007), (585, 3049), (667, 3175), (681, 3208), (713, 3301), (722, 3322), (738, 3355), (739, 3358), (778, 3436), (787, 3460), (791, 3469), (824, 3541), (828, 3550), (877, 3601),

Gene: Gumpizza_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Gumpizza_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690), (949, 3804),

Gene: Guppsters_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Guppsters_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: GuuelaD_5 Start: 2644, Stop: 4299, Start Num: 131

Candidate Starts for GuuelaD_5:

(Start: 131 @2644 has 70 MA's), (182, 2707), (189, 2722), (196, 2740), (219, 2785), (249, 2845), (263, 2878), (305, 2956), (327, 3019), (367, 3070), (377, 3088), (441, 3163), (469, 3202), (492, 3259), (495, 3265), (501, 3277), (506, 3286), (510, 3292), (512, 3295), (527, 3316), (535, 3337), (537, 3343), (557, 3382), (622, 3478), (638, 3505), (682, 3613), (684, 3619), (720, 3712), (734, 3739), (741, 3760), (767, 3802), (775, 3823), (782, 3844), (799, 3871), (803, 3880), (824, 3940), (840, 3970), (849, 3979), (925, 4087), (938, 4120), (945, 4159), (956, 4264),

Gene: Gwendoluna_14 Start: 9873, Stop: 11315, Start Num: 158

Candidate Starts for Gwendoluna_14:

(109, 9807), (Start: 158 @9873 has 220 MA's), (263, 10071), (365, 10284), (482, 10479), (489, 10491), (545, 10590), (667, 10785), (682, 10824), (710, 10902), (712, 10908), (735, 10956), (739, 10968), (743, 10977), (785, 11067), (824, 11157), (845, 11190), (857, 11202),

Gene: Gwennie_13 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for Gwennie_13:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Gyzlar_14 Start: 9635, Stop: 11077, Start Num: 158

Candidate Starts for Gyzlar_14:

(109, 9569), (Start: 158 @9635 has 220 MA's), (263, 9833), (365, 10046), (482, 10241), (545, 10352), (667, 10547), (682, 10586), (710, 10664), (712, 10670), (735, 10718), (739, 10730), (743, 10739), (785, 10829), (824, 10919), (845, 10952), (857, 10964),

Gene: HINdeR_12 Start: 9860, Stop: 11317, Start Num: 124

Candidate Starts for HINdeR_12:

(Start: 124 @9860 has 299 MA's), (182, 9920), (229, 10013), (233, 10025), (243, 10037), (298, 10139), (324, 10223), (335, 10250), (352, 10280), (482, 10484), (489, 10496), (508, 10520), (534, 10568), (545, 10595), (549, 10601), (563, 10622), (566, 10628), (574, 10643), (577, 10652), (632, 10736), (663, 10799), (687, 10862), (710, 10925), (711, 10928), (735, 10979), (737, 10985), (743, 11000), (762, 11036), (798, 11117), (812, 11153), (824, 11183),

Gene: Hades_3 Start: 2255, Stop: 3613, Start Num: 156

Candidate Starts for Hades_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575),

Gene: Hafay_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Hafay_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Haizum_7 Start: 3857, Stop: 5332, Start Num: 155

Candidate Starts for Haizum_7:

(Start: 155 @3857 has 140 MA's), (Start: 222 @3974 has 4 MA's), (266, 4073), (305, 4166), (380, 4289), (477, 4439), (534, 4544), (573, 4619), (579, 4637), (583, 4649), (585, 4655), (645, 4802), (667, 4853), (669, 4859), (687, 4907), (741, 5039), (773, 5096), (812, 5186), (908, 5318),

Gene: Halena_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Halena_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Halo_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Halo_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: Halsey_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Halsey_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (444, 2820), (495, 2925), (672, 3231), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690),

Gene: HamSlice_11 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for HamSlice_11:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (489, 9212), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (737, 9704), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Hami1_14 Start: 9076, Stop: 10518, Start Num: 158

Candidate Starts for Hami1_14:

(109, 9010), (Start: 158 @9076 has 220 MA's), (263, 9274), (365, 9487), (482, 9682), (489, 9694), (545, 9793), (584, 9865), (667, 9988), (682, 10027), (710, 10105), (712, 10111), (735, 10159), (739, 10171), (743, 10180), (785, 10270), (824, 10360), (845, 10393), (857, 10405),

Gene: Hammer_16 Start: 9258, Stop: 10724, Start Num: 127

Candidate Starts for Hammer_16:

(Start: 127 @9258 has 330 MA's), (Start: 143 @9279 has 5 MA's), (182, 9318), (225, 9405), (230, 9417), (233, 9423), (365, 9705), (400, 9759), (504, 9918), (534, 9969), (545, 9996), (549, 10002), (563, 10023), (682, 10236), (743, 10389), (749, 10404), (757, 10416), (762, 10425), (789, 10491), (802, 10512), (812, 10542), (824, 10572), (842, 10602),

Gene: Hammy_8 Start: 2820, Stop: 4373, Start Num: 83

Candidate Starts for Hammy_8:

(13, 2265), (22, 2406), (46, 2715), (Start: 75 @2805 has 32 MA's), (Start: 83 @2820 has 142 MA's), (175, 2919), (182, 2928), (185, 2934), (Start: 222 @3009 has 4 MA's), (232, 3033), (248, 3066), (281, 3126), (305, 3177), (314, 3198), (319, 3213), (362, 3303), (369, 3318), (414, 3393), (428, 3414), (441,

3438), (479, 3507), (501, 3555), (522, 3588), (527, 3594), (537, 3621), (546, 3642), (558, 3663), (624, 3726), (635, 3744), (666, 3822), (670, 3834), (672, 3837), (677, 3852), (687, 3879), (711, 3936), (734, 3984), (735, 3987), (741, 4005), (751, 4026), (767, 4047), (780, 4086), (787, 4101), (811, 4146), (812, 4149), (813, 4158), (828, 4194), (835, 4209),

Gene: Hamulus_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for Hamulus_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: HanShotFirst_12 Start: 8296, Stop: 9738, Start Num: 158

Candidate Starts for HanShotFirst_12:

(109, 8230), (Start: 158 @8296 has 220 MA's), (263, 8494), (365, 8707), (482, 8902), (489, 8914), (545, 9013), (584, 9085), (667, 9208), (682, 9247), (710, 9325), (712, 9331), (735, 9379), (739, 9391), (743, 9400), (762, 9433), (785, 9490), (824, 9580), (845, 9613), (857, 9625),

Gene: Hank144_8 Start: 4150, Stop: 5634, Start Num: 155

Candidate Starts for Hank144_8:

(Start: 155 @4150 has 140 MA's), (Start: 222 @4267 has 4 MA's), (246, 4315), (249, 4327), (266, 4366), (305, 4459), (414, 4633), (444, 4672), (477, 4732), (527, 4819), (530, 4825), (534, 4837), (573, 4912), (579, 4930), (583, 4942), (585, 4948), (588, 4954), (645, 5095), (667, 5146), (669, 5152), (773, 5389), (813, 5488), (827, 5521), (908, 5620),

Gene: Hanray_13 Start: 9929, Stop: 11416, Start Num: 127

Candidate Starts for Hanray_13:

(Start: 127 @9929 has 330 MA's), (182, 9992), (233, 10097), (266, 10166), (329, 10307), (349, 10346), (365, 10379), (382, 10412), (482, 10556), (534, 10640), (545, 10667), (549, 10673), (563, 10694), (577, 10724), (587, 10745), (605, 10769), (624, 10784), (735, 11039), (741, 11057), (757, 11087), (758, 11090), (762, 11096), (810, 11207), (812, 11213), (824, 11243), (857, 11288), (867, 11297),

Gene: Happiness_12 Start: 8583, Stop: 10034, Start Num: 124

Candidate Starts for Happiness_12:

(Start: 124 @8583 has 299 MA's), (229, 8730), (233, 8742), (316, 8910), (324, 8940), (343, 8979), (352, 8997), (382, 9057), (476, 9186), (482, 9204), (489, 9216), (545, 9315), (549, 9321), (563, 9342), (566, 9348), (599, 9417), (642, 9477), (710, 9648), (711, 9651), (735, 9702), (737, 9708), (743, 9723), (757, 9753), (798, 9843), (812, 9879), (816, 9891), (824, 9909), (845, 9939),

Gene: Harlequin_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Harlequin_9:

(72, 4754), (Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (342, 5222), (349, 5237), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Harley_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Harley_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253,

2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: HarryHoudini_15 Start: 9724, Stop: 11184, Start Num: 127

Candidate Starts for HarryHoudini_15:

(Start: 127 @9724 has 330 MA's), (182, 9784), (229, 9877), (233, 9889), (365, 10171), (382, 10204), (484, 10351), (489, 10360), (534, 10432), (545, 10459), (549, 10465), (563, 10486), (687, 10714), (735, 10831), (743, 10852), (757, 10879), (762, 10888), (812, 11005), (824, 11035), (842, 11065), (867, 11089),

Gene: HarryOW_13 Start: 8992, Stop: 10434, Start Num: 158

Candidate Starts for HarryOW_13:

(109, 8926), (Start: 158 @8992 has 220 MA's), (263, 9190), (365, 9403), (482, 9598), (489, 9610), (545, 9709), (667, 9904), (682, 9943), (710, 10021), (712, 10027), (735, 10075), (739, 10087), (743, 10096), (785, 10186), (824, 10276), (845, 10309), (857, 10321),

Gene: HashRod_15 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for HashRod_15:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: HaveUMetTed_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for HaveUMetTed_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Heathen_12 Start: 7994, Stop: 9460, Start Num: 127

Candidate Starts for Heathen_12:

(Start: 127 @7994 has 330 MA's), (233, 8165), (273, 8249), (308, 8312), (320, 8345), (324, 8363), (343, 8402), (355, 8429), (381, 8477), (480, 8618), (484, 8627), (534, 8708), (542, 8732), (545, 8735), (549, 8741), (563, 8762), (663, 8939), (710, 9065), (711, 9068), (735, 9119), (737, 9125), (743, 9140), (757, 9170), (812, 9296), (824, 9326), (845, 9356),

Gene: HedwigODU_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for HedwigODU_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Heffalump_15 Start: 11037, Stop: 12500, Start Num: 127

Candidate Starts for Heffalump_15:

(Start: 127 @11037 has 330 MA's), (182, 11097), (233, 11202), (365, 11484), (382, 11517), (466, 11628), (545, 11772), (549, 11778), (563, 11799), (566, 11805), (587, 11850), (675, 11994), (710,

12090), (735, 12144), (741, 12162), (743, 12165), (757, 12192), (762, 12201), (812, 12318), (818, 12333), (824, 12348), (842, 12378),

Gene: Heftyboy_7 Start: 2788, Stop: 4323, Start Num: 83

Candidate Starts for Heftyboy_7:

(Start: 83 @2788 has 142 MA's), (Start: 154 @2860 has 46 MA's), (182, 2896), (186, 2905), (201, 2950), (248, 3034), (253, 3046), (266, 3076), (281, 3094), (305, 3145), (319, 3181), (327, 3208), (356, 3259), (359, 3262), (362, 3268), (369, 3283), (370, 3286), (414, 3358), (428, 3379), (444, 3409), (473, 3454), (495, 3508), (522, 3553), (537, 3586), (546, 3607), (555, 3622), (557, 3625), (558, 3628), (624, 3691), (635, 3709), (637, 3715), (666, 3787), (670, 3799), (672, 3802), (677, 3817), (701, 3862), (702, 3877), (709, 3898), (734, 3952), (735, 3955), (741, 3973), (749, 3988), (780, 4054), (787, 4069), (803, 4090), (813, 4126), (828, 4162), (899, 4249),

Gene: Hegedechwinu_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Hegedechwinu_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (441, 2745), (495, 2847), (501, 2859), (506, 2868), (527, 2898), (531, 2907), (546, 2946), (557, 2964), (558, 2967), (575, 2997), (637, 3054), (652, 3093), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: HelDan_12 Start: 8246, Stop: 9712, Start Num: 127

Candidate Starts for HelDan_12:

(Start: 127 @8246 has 330 MA's), (233, 8417), (273, 8501), (308, 8564), (320, 8597), (324, 8615), (343, 8654), (355, 8681), (381, 8729), (480, 8870), (484, 8879), (534, 8960), (542, 8984), (545, 8987), (549, 8993), (563, 9014), (566, 9020), (663, 9191), (710, 9317), (711, 9320), (735, 9371), (737, 9377), (743, 9392), (757, 9422), (812, 9548), (824, 9578), (845, 9608),

Gene: Heliosoles_14 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Heliosoles_14:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Helmet_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Helmet_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Henrique_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for Henrique_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (298, 2653), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (787, 3589), (789, 3595), (884, 3739),

Gene: Herbertwm_11 Start: 8071, Stop: 9552, Start Num: 127

Candidate Starts for Herbertwm_11:

(Start: 127 @8071 has 330 MA's), (182, 8131), (233, 8236), (329, 8446), (365, 8518), (378, 8542), (488, 8704), (534, 8779), (545, 8806), (549, 8812), (563, 8833), (577, 8863), (587, 8884), (720, 9148),

(735, 9178), (741, 9196), (757, 9226), (762, 9235), (812, 9352), (824, 9382), (842, 9412), (857, 9427), (867, 9436),

Gene: Hercules11_14 Start: 8661, Stop: 10115, Start Num: 124

Candidate Starts for Hercules11_14:

(Start: 124 @8661 has 299 MA's), (Start: 157 @8691 has 14 MA's), (182, 8718), (233, 8823), (298, 8937), (320, 9003), (343, 9060), (382, 9138), (384, 9141), (482, 9282), (545, 9393), (549, 9399), (563, 9420), (663, 9585), (710, 9711), (735, 9765), (737, 9771), (743, 9786), (762, 9822), (802, 9909), (812, 9939), (824, 9969), (857, 10014), (867, 10023),

Gene: Hermia_14 Start: 9436, Stop: 10878, Start Num: 158

Candidate Starts for Hermia_14:

(109, 9370), (Start: 158 @9436 has 220 MA's), (263, 9634), (365, 9847), (482, 10042), (489, 10054), (545, 10153), (667, 10348), (682, 10387), (710, 10465), (712, 10471), (735, 10519), (739, 10531), (743, 10540), (785, 10630), (824, 10720), (845, 10753), (857, 10765),

Gene: HermioneGrange_13 Start: 8405, Stop: 9847, Start Num: 158

Candidate Starts for HermioneGrange_13:

(109, 8339), (Start: 158 @8405 has 220 MA's), (263, 8603), (365, 8816), (482, 9011), (484, 9014), (545, 9122), (584, 9194), (667, 9317), (682, 9356), (710, 9434), (712, 9440), (735, 9488), (739, 9500), (743, 9509), (785, 9599), (824, 9689), (845, 9722), (857, 9734),

Gene: Hestia_3 Start: 2347, Stop: 3684, Start Num: 155

Candidate Starts for Hestia_3:

(Start: 129 @2320 has 6 MA's), (Start: 140 @2335 has 4 MA's), (Start: 155 @2347 has 140 MA's), (190, 2395), (224, 2458), (229, 2470), (353, 2728), (382, 2785), (418, 2833), (480, 2929), (489, 2947), (498, 2956), (541, 3037), (549, 3049), (551, 3052), (565, 3076), (585, 3118), (667, 3244), (687, 3298), (710, 3361), (713, 3370), (734, 3412), (738, 3424), (758, 3463), (778, 3505), (787, 3529), (824, 3610), (828, 3619), (877, 3670),

Gene: Hexamo_16 Start: 9239, Stop: 10705, Start Num: 127

Candidate Starts for Hexamo_16:

(Start: 127 @9239 has 330 MA's), (Start: 143 @9260 has 5 MA's), (182, 9299), (225, 9386), (230, 9398), (233, 9404), (365, 9686), (400, 9740), (504, 9899), (534, 9950), (545, 9977), (549, 9983), (563, 10004), (682, 10217), (743, 10370), (749, 10385), (757, 10397), (762, 10406), (789, 10472), (802, 10493), (812, 10523), (824, 10553), (842, 10583),

Gene: Hexbug_6 Start: 2787, Stop: 4229, Start Num: 159

Candidate Starts for Hexbug_6:

(Start: 159 @2787 has 63 MA's), (182, 2802), (231, 2904), (313, 3060), (320, 3081), (322, 3090), (353, 3147), (357, 3156), (392, 3219), (484, 3351), (531, 3423), (537, 3441), (549, 3465), (552, 3471), (633, 3615), (674, 3714), (737, 3873), (741, 3885), (762, 3921), (768, 3930), (791, 3990), (807, 4023), (835, 4095), (848, 4110), (923, 4221),

Gene: Hillester_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for Hillester_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Hippo_7 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Hippo_7:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: HippoHollow_14 Start: 10976, Stop: 12436, Start Num: 127

Candidate Starts for HippoHollow_14:

(Start: 127 @10976 has 330 MA's), (182, 11036), (233, 11141), (324, 11339), (365, 11423), (382, 11456), (466, 11567), (534, 11684), (545, 11711), (549, 11717), (563, 11738), (566, 11744), (587, 11789), (735, 12083), (741, 12101), (743, 12104), (757, 12131), (762, 12140), (812, 12257), (824, 12287), (842, 12317), (867, 12341),

Gene: HippoPololi_7 Start: 3560, Stop: 5008, Start Num: 159

Candidate Starts for HippoPololi_7:

(88, 3467), (Start: 159 @3560 has 63 MA's), (197, 3614), (199, 3620), (255, 3728), (257, 3734), (301, 3797), (335, 3899), (365, 3944), (423, 4022), (466, 4094), (484, 4127), (488, 4133), (537, 4217), (549, 4241), (552, 4247), (585, 4310), (645, 4418), (674, 4490), (695, 4535), (725, 4625), (734, 4640), (738, 4652), (741, 4661), (765, 4697), (787, 4754), (807, 4796), (812, 4811), (844, 4877), (923, 4982),

Gene: Hiro_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Hiro_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Hlubikazi_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Hlubikazi_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Halex_13 Start: 9929, Stop: 11416, Start Num: 127

Candidate Starts for Halex_13:

(Start: 127 @9929 has 330 MA's), (182, 9992), (233, 10097), (266, 10166), (329, 10307), (349, 10346), (365, 10379), (382, 10412), (482, 10556), (534, 10640), (545, 10667), (549, 10673), (563, 10694), (577, 10724), (587, 10745), (605, 10769), (624, 10784), (735, 11039), (741, 11057), (757, 11087), (758, 11090), (762, 11096), (810, 11207), (812, 11213), (824, 11243), (857, 11288), (867, 11297),

Gene: Holli_12 Start: 8371, Stop: 9822, Start Num: 124

Candidate Starts for Holli_12:

(Start: 124 @8371 has 299 MA's), (229, 8518), (233, 8530), (316, 8698), (324, 8728), (343, 8767), (352, 8785), (382, 8845), (476, 8974), (482, 8992), (545, 9103), (549, 9109), (563, 9130), (566, 9136), (599, 9205), (642, 9265), (663, 9310), (710, 9436), (711, 9439), (735, 9490), (737, 9496), (743, 9511), (757, 9541), (798, 9631), (812, 9667), (816, 9679), (824, 9697), (845, 9727),

Gene: Holliday_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for Holliday_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: HomeFry_31 Start: 13323, Stop: 14900, Start Num: 121

Candidate Starts for HomeFry_31:

(Start: 121 @13323 has 32 MA's), (Start: 124 @13329 has 299 MA's), (Start: 127 @13332 has 330 MA's), (Start: 148 @13359 has 57 MA's), (182, 13410), (305, 13677), (406, 13887), (427, 13917), (557, 14118), (570, 14139), (573, 14145), (576, 14154), (581, 14169), (633, 14250), (672, 14358), (678, 14376), (684, 14391), (722, 14490), (735, 14514), (738, 14523), (750, 14559), (756, 14574), (759, 14583), (799, 14667), (814, 14715), (818, 14721), (915, 14865),

Gene: Homines_12 Start: 8711, Stop: 10153, Start Num: 158

Candidate Starts for Homines_12:

(109, 8645), (Start: 158 @8711 has 220 MA's), (263, 8909), (365, 9122), (482, 9317), (489, 9329), (545, 9428), (667, 9623), (682, 9662), (710, 9740), (712, 9746), (735, 9794), (739, 9806), (743, 9815), (785, 9905), (824, 9995), (845, 10028), (857, 10040),

Gene: Homura_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Homura_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Honk_3 Start: 2397, Stop: 3779, Start Num: 148

Candidate Starts for Honk_3:

(Start: 148 @2397 has 57 MA's), (Start: 222 @2517 has 4 MA's), (253, 2586), (324, 2742), (478, 2961), (497, 3000), (531, 3051), (557, 3108), (697, 3357), (701, 3366), (767, 3513), (778, 3543), (799, 3582), (803, 3591), (812, 3618), (813, 3627),

Gene: Hookmount_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Hookmount_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Hoot_16 Start: 9263, Stop: 10726, Start Num: 127

Candidate Starts for Hoot_16:

(Start: 127 @9263 has 330 MA's), (Start: 143 @9284 has 5 MA's), (182, 9323), (225, 9410), (230, 9422), (233, 9428), (365, 9710), (504, 9923), (534, 9974), (545, 10001), (549, 10007), (563, 10028), (743, 10394), (757, 10421), (762, 10430), (787, 10490), (812, 10547), (824, 10577), (842, 10607), (870, 10634),

Gene: Hope_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Hope_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Hope4ever_12 Start: 8813, Stop: 10255, Start Num: 158

Candidate Starts for Hope4ever_12:

(109, 8747), (Start: 158 @8813 has 220 MA's), (263, 9011), (365, 9224), (482, 9419), (489, 9431), (545, 9530), (584, 9602), (667, 9725), (682, 9764), (710, 9842), (712, 9848), (735, 9896), (739, 9908), (743, 9917), (785, 10007), (824, 10097), (845, 10130), (857, 10142),

Gene: Horseradish_6 Start: 2693, Stop: 4147, Start Num: 159

Candidate Starts for Horseradish_6:

(Start: 159 @2693 has 63 MA's), (184, 2717), (242, 2831), (246, 2840), (305, 2957), (320, 2996), (322, 3005), (365, 3086), (466, 3233), (489, 3275), (537, 3356), (545, 3374), (549, 3380), (601, 3488), (663, 3608), (674, 3635), (687, 3671), (730, 3779), (739, 3800), (800, 3923), (811, 3953), (835, 4013), (836, 4016), (845, 4025), (923, 4124),

Gene: HortumSL17_14 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for HortumSL17_14:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (577, 10688), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Horus_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Horus_4:

(Start: 123 @2191 has 47 MA's), (173, 2245), (194, 2281), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (258, 2410), (301, 2482), (312, 2512), (319, 2536), (324, 2557), (355, 2605), (395, 2674), (432, 2716), (479, 2794), (494, 2815), (496, 2818), (532, 2878), (542, 2908), (545, 2911), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (642, 3079), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (709, 3256), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589),

Gene: HotPotato_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for HotPotato_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (435, 2905), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Hotshotbaby7_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Hotshotbaby7_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Houdini22_12 Start: 8582, Stop: 10033, Start Num: 124

Candidate Starts for Houdini22_12:

(Start: 124 @8582 has 299 MA's), (229, 8729), (233, 8741), (316, 8909), (324, 8939), (343, 8978), (352, 8996), (382, 9056), (476, 9185), (482, 9203), (489, 9215), (545, 9314), (549, 9320), (563, 9341), (566, 9347), (599, 9416), (642, 9476), (663, 9521), (710, 9647), (711, 9650), (735, 9701), (743, 9722),

(757, 9752), (798, 9842), (812, 9878), (824, 9908), (845, 9938),

Gene: HubbaBubba_23 Start: 10808, Stop: 12430, Start Num: 84

Candidate Starts for HubbaBubba_23:

(Start: 84 @10808 has 7 MA's), (Start: 121 @10853 has 32 MA's), (Start: 148 @10886 has 57 MA's), (324, 11264), (370, 11357), (460, 11492), (496, 11537), (570, 11669), (581, 11699), (633, 11780), (667, 11876), (678, 11906), (684, 11921), (735, 12044), (738, 12053), (750, 12089), (759, 12113), (799, 12197), (803, 12206), (818, 12251),

Gene: HuhtaEnerson15_10 Start: 7939, Stop: 9372, Start Num: 127

Candidate Starts for HuhtaEnerson15_10:

(Start: 127 @7939 has 330 MA's), (241, 8095), (247, 8107), (252, 8122), (255, 8128), (329, 8296), (343, 8323), (382, 8401), (449, 8482), (488, 8554), (489, 8557), (534, 8629), (549, 8662), (563, 8683), (573, 8701), (577, 8713), (605, 8758), (710, 8974), (735, 9028), (741, 9046), (762, 9085), (812, 9202), (824, 9232), (842, 9262), (867, 9286),

Gene: Hum25_3 Start: 2091, Stop: 3464, Start Num: 142

Candidate Starts for Hum25_3:

(Start: 142 @2091 has 1 MA's), (185, 2136), (188, 2142), (233, 2235), (245, 2250), (266, 2304), (270, 2316), (292, 2346), (298, 2349), (327, 2439), (365, 2499), (370, 2511), (432, 2595), (449, 2622), (450, 2625), (468, 2649), (489, 2700), (494, 2703), (525, 2751), (542, 2793), (549, 2802), (553, 2808), (577, 2853), (627, 2922), (674, 3015), (682, 3036), (687, 3051), (696, 3066), (711, 3117), (734, 3165), (752, 3207), (785, 3276), (789, 3285),

Gene: Huphlepuuff_38 Start: 12664, Stop: 14229, Start Num: 76

Candidate Starts for Huphlepuuff_38:

(Start: 76 @12664 has 19 MA's), (165, 12781), (231, 12901), (255, 12946), (258, 12955), (308, 13045), (323, 13093), (324, 13096), (353, 13138), (355, 13141), (368, 13165), (423, 13237), (425, 13240), (450, 13279), (460, 13300), (462, 13303), (488, 13348), (539, 13438), (542, 13447), (549, 13456), (574, 13498), (575, 13501), (592, 13540), (619, 13582), (625, 13588), (628, 13591), (647, 13636), (674, 13705), (710, 13804), (714, 13816), (763, 13915), (789, 13981), (802, 14002), (807, 14017), (856, 14110), (870, 14125),

Gene: Hurricane_8 Start: 2929, Stop: 4494, Start Num: 83

Candidate Starts for Hurricane_8:

(58, 2896), (Start: 83 @2929 has 142 MA's), (175, 3034), (182, 3043), (189, 3058), (232, 3148), (248, 3181), (253, 3193), (266, 3223), (305, 3292), (314, 3313), (319, 3328), (327, 3355), (356, 3406), (362, 3415), (369, 3430), (388, 3469), (414, 3505), (423, 3520), (428, 3526), (433, 3535), (441, 3550), (501, 3667), (522, 3700), (527, 3706), (537, 3733), (546, 3754), (558, 3775), (624, 3838), (635, 3856), (666, 3934), (670, 3946), (672, 3949), (677, 3964), (701, 4009), (709, 4045), (711, 4051), (734, 4099), (741, 4120), (803, 4237), (812, 4264), (813, 4273), (828, 4309),

Gene: Hutc2_13 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Hutc2_13:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Huxley_12 Start: 8642, Stop: 10093, Start Num: 124

Candidate Starts for Huxley_12:

(Start: 124 @8642 has 299 MA's), (229, 8789), (233, 8801), (316, 8969), (324, 8999), (343, 9038), (352, 9056), (382, 9116), (476, 9245), (482, 9263), (489, 9275), (545, 9374), (549, 9380), (563, 9401),

(566, 9407), (599, 9476), (642, 9536), (663, 9581), (710, 9707), (711, 9710), (735, 9761), (743, 9782), (757, 9812), (798, 9902), (812, 9938), (824, 9968), (845, 9998),

Gene: Hydra_9 Start: 4618, Stop: 6060, Start Num: 155

Candidate Starts for Hydra_9:

(Start: 142 @4609 has 1 MA's), (Start: 144 @4612 has 15 MA's), (Start: 155 @4618 has 140 MA's), (Start: 222 @4735 has 4 MA's), (246, 4783), (412, 5101), (444, 5143), (458, 5170), (477, 5203), (530, 5296), (534, 5308), (579, 5401), (629, 5479), (645, 5524), (669, 5581), (678, 5605), (773, 5818), (908, 6046),

Gene: Hyperbowlee_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Hyperbowlee_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: IAmGroot_3 Start: 2211, Stop: 3590, Start Num: 148

Candidate Starts for IAmGroot_3:

(Start: 148 @2211 has 57 MA's), (Start: 222 @2331 has 4 MA's), (377, 2619), (546, 2892), (689, 3168), (705, 3210), (789, 3393), (799, 3402), (803, 3411),

Gene: ICleared_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for ICleared_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: IDyn_26 Start: 12204, Stop: 13826, Start Num: 84

Candidate Starts for IDyn_26:

(Start: 84 @12204 has 7 MA's), (Start: 121 @12249 has 32 MA's), (Start: 148 @12282 has 57 MA's), (324, 12660), (460, 12888), (496, 12933), (570, 13065), (581, 13095), (667, 13272), (678, 13302), (684, 13317), (735, 13440), (738, 13449), (750, 13485), (759, 13509), (799, 13593), (803, 13602), (818, 13647),

Gene: ILeeKay_14 Start: 8865, Stop: 10307, Start Num: 158

Candidate Starts for ILeeKay_14:

(109, 8799), (Start: 158 @8865 has 220 MA's), (263, 9063), (365, 9276), (482, 9471), (545, 9582), (584, 9654), (667, 9777), (682, 9816), (710, 9894), (712, 9900), (735, 9948), (739, 9960), (743, 9969), (785, 10059), (824, 10149), (845, 10182), (857, 10194),

Gene: IMpilo_3 Start: 2292, Stop: 3614, Start Num: 180

Candidate Starts for IMpilo_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (754, 3408), (769, 3432), (826, 3576),

Gene: IPhone7_15 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for IPhone7_15:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: IUFootball_3 Start: 2290, Stop: 3813, Start Num: 148

Candidate Starts for IUFootball_3:

(Start: 148 @2290 has 57 MA's), (Start: 154 @2296 has 46 MA's), (162, 2311), (199, 2374), (Start: 222 @2413 has 4 MA's), (444, 2800), (495, 2890), (548, 2986), (663, 3175), (675, 3205), (682, 3223), (699, 3253), (705, 3283), (789, 3472), (799, 3481), (913, 3652), (935, 3697), (946, 3757),

Gene: IbOuu_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for IbOuu_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (826, 3559), (833, 3577),

Gene: Ibantik_69 Start: 30801, Stop: 32300, Start Num: 115

Candidate Starts for Ibantik_69:

(Start: 115 @30801 has 2 MA's), (189, 30903), (197, 30924), (263, 31065), (273, 31086), (305, 31146), (355, 31245), (464, 31386), (503, 31434), (520, 31461), (530, 31479), (586, 31593), (663, 31731), (666, 31737), (669, 31746), (672, 31752), (686, 31794), (718, 31878), (735, 31911), (753, 31953), (782, 32010), (827, 32109), (910, 32226),

Gene: Ibhubesi_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Ibhubesi_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Ibrahim_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for Ibrahim_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: Iceman_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Iceman_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Ichabod_13 Start: 8717, Stop: 10159, Start Num: 158

Candidate Starts for Ichabod_13:

(109, 8651), (Start: 158 @8717 has 220 MA's), (263, 8915), (365, 9128), (482, 9323), (484, 9326), (489, 9335), (545, 9434), (667, 9629), (682, 9668), (710, 9746), (712, 9752), (735, 9800), (739, 9812), (743, 9821), (762, 9854), (785, 9911), (824, 10001), (845, 10034), (857, 10046),

Gene: IdentityCrisis_3 Start: 2144, Stop: 3616, Start Num: 128

Candidate Starts for IdentityCrisis_3:

(Start: 128 @2144 has 2 MA's), (Start: 136 @2156 has 3 MA's), (153, 2171), (198, 2243), (216, 2276), (246, 2330), (301, 2435), (362, 2570), (395, 2627), (430, 2666), (471, 2735), (482, 2756), (531, 2828), (532, 2831), (539, 2852), (541, 2858), (549, 2870), (574, 2912), (601, 2981), (602, 2984), (668, 3098), (690, 3155), (735, 3269), (741, 3287), (797, 3407), (862, 3515), (884, 3539),

Gene: Idleandcovert_12 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for Idleandcovert_12:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: IgnatiusPatJac_11 Start: 8691, Stop: 10133, Start Num: 158

Candidate Starts for IgnatiusPatJac_11:

(109, 8625), (Start: 158 @8691 has 220 MA's), (263, 8889), (365, 9102), (482, 9297), (545, 9408), (584, 9480), (667, 9603), (682, 9642), (710, 9720), (712, 9726), (735, 9774), (739, 9786), (743, 9795), (785, 9885), (824, 9975), (845, 10008), (857, 10020),

Gene: Illumine_9 Start: 3022, Stop: 4590, Start Num: 75

Candidate Starts for Illumine_9:

(38, 2794), (44, 2908), (46, 2935), (Start: 75 @3022 has 32 MA's), (Start: 83 @3037 has 142 MA's), (175, 3139), (182, 3148), (Start: 222 @3229 has 4 MA's), (232, 3253), (252, 3295), (266, 3328), (305, 3397), (314, 3418), (327, 3460), (362, 3523), (369, 3538), (414, 3613), (428, 3634), (444, 3664), (501, 3775), (522, 3808), (537, 3841), (558, 3883), (575, 3913), (624, 3946), (635, 3964), (666, 4042), (670, 4054), (672, 4057), (676, 4069), (677, 4072), (699, 4108), (711, 4156), (741, 4225), (758, 4255), (787, 4321), (803, 4342), (812, 4369), (813, 4378), (828, 4414), (873, 4468),

Gene: InLimbo_3 Start: 1754, Stop: 3208, Start Num: 126

Candidate Starts for InLimbo_3:

(Start: 126 @1754 has 23 MA's), (Start: 154 @1781 has 46 MA's), (186, 1823), (214, 1883), (229, 1907), (246, 1937), (292, 2027), (301, 2042), (316, 2087), (322, 2108), (326, 2120), (355, 2165), (395, 2234), (432, 2276), (452, 2306), (482, 2357), (532, 2432), (556, 2483), (574, 2513), (591, 2558), (602, 2582), (642, 2630), (649, 2645), (710, 2810), (735, 2864), (736, 2867), (797, 3002), (811, 3038), (880, 3143),

Gene: Indigo_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Indigo_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908,

5509),

Gene: Indra_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Indra_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Inky_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Inky_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Insomnia_13 Start: 9836, Stop: 11293, Start Num: 127

Candidate Starts for Insomnia_13:

(Start: 127 @9836 has 330 MA's), (169, 9881), (182, 9896), (233, 10001), (365, 10283), (382, 10316), (489, 10472), (534, 10544), (545, 10571), (549, 10577), (563, 10598), (587, 10649), (720, 10913), (735, 10943), (743, 10964), (749, 10979), (757, 10991), (762, 11000), (802, 11087), (812, 11117), (824, 11147), (842, 11177), (908, 11243),

Gene: Inventum_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Inventum_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: InvictusManeo_7 Start: 2770, Stop: 4308, Start Num: 83

Candidate Starts for InvictusManeo_7:

(Start: 83 @2770 has 142 MA's), (175, 2872), (182, 2881), (201, 2935), (248, 3019), (253, 3031), (266, 3061), (281, 3079), (305, 3130), (319, 3166), (326, 3190), (327, 3193), (359, 3247), (369, 3268), (414, 3343), (428, 3364), (444, 3394), (473, 3439), (495, 3493), (522, 3538), (537, 3571), (555, 3607), (558, 3613), (624, 3676), (635, 3694), (666, 3772), (670, 3784), (672, 3787), (677, 3802), (701, 3847), (702, 3862), (709, 3883), (711, 3889), (734, 3937), (735, 3940), (741, 3958), (749, 3973), (780, 4039), (787, 4054), (803, 4075), (813, 4111), (828, 4147), (899, 4234),

Gene: Inyanga_11 Start: 8480, Stop: 9922, Start Num: 158

Candidate Starts for Inyanga_11:

(109, 8414), (Start: 158 @8480 has 220 MA's), (263, 8678), (365, 8891), (482, 9086), (489, 9098), (545, 9197), (667, 9392), (682, 9431), (710, 9509), (712, 9515), (735, 9563), (739, 9575), (743, 9584), (785, 9674), (824, 9764), (845, 9797), (857, 9809),

Gene: Iqorha_11 Start: 8480, Stop: 9922, Start Num: 158

Candidate Starts for Iqorha_11:

(109, 8414), (Start: 158 @8480 has 220 MA's), (263, 8678), (365, 8891), (482, 9086), (489, 9098), (545, 9197), (584, 9269), (667, 9392), (682, 9431), (710, 9509), (712, 9515), (735, 9563), (739, 9575),

(743, 9584), (785, 9674), (824, 9764), (845, 9797), (857, 9809),

Gene: Iracema64_12 Start: 8555, Stop: 10006, Start Num: 124

Candidate Starts for Iracema64_12:

(Start: 124 @8555 has 299 MA's), (233, 8714), (316, 8882), (324, 8912), (343, 8951), (352, 8969), (382, 9029), (476, 9158), (482, 9176), (545, 9287), (549, 9293), (563, 9314), (566, 9320), (599, 9389), (642, 9449), (663, 9494), (710, 9620), (711, 9623), (735, 9674), (737, 9680), (743, 9695), (757, 9725), (798, 9815), (812, 9851), (824, 9881), (845, 9911),

Gene: IrishSherpFalk_3 Start: 2243, Stop: 3613, Start Num: 156

Candidate Starts for IrishSherpFalk_3:

(Start: 156 @2243 has 163 MA's), (Start: 180 @2279 has 9 MA's), (Start: 193 @2303 has 1 MA's), (196, 2312), (198, 2318), (199, 2321), (Start: 222 @2360 has 4 MA's), (252, 2426), (253, 2429), (290, 2498), (305, 2537), (309, 2546), (324, 2594), (365, 2654), (391, 2702), (423, 2747), (465, 2792), (490, 2819), (514, 2864), (532, 2885), (533, 2888), (534, 2891), (541, 2912), (546, 2921), (575, 2972), (576, 2975), (579, 2984), (592, 3014), (603, 3035), (641, 3104), (646, 3113), (662, 3164), (664, 3167), (686, 3227), (688, 3233), (735, 3344), (739, 3356), (751, 3389), (754, 3395), (769, 3419), (833, 3581),

Gene: IronMan_15 Start: 10935, Stop: 12389, Start Num: 127

Candidate Starts for IronMan_15:

(Start: 127 @10935 has 330 MA's), (182, 10995), (233, 11100), (298, 11214), (329, 11310), (365, 11382), (489, 11571), (534, 11643), (545, 11670), (549, 11676), (563, 11697), (587, 11748), (735, 12042), (741, 12060), (757, 12090), (762, 12099), (787, 12159), (802, 12186), (812, 12216), (824, 12246), (842, 12276), (867, 12300),

Gene: Isca_12 Start: 8065, Stop: 9531, Start Num: 127

Candidate Starts for Isca_12:

(Start: 127 @8065 has 330 MA's), (163, 8110), (233, 8236), (273, 8320), (308, 8383), (316, 8404), (320, 8416), (324, 8434), (343, 8473), (355, 8500), (480, 8689), (534, 8779), (542, 8803), (545, 8806), (549, 8812), (563, 8833), (566, 8839), (663, 9010), (710, 9136), (711, 9139), (735, 9190), (737, 9196), (743, 9211), (757, 9241), (812, 9367), (824, 9397), (845, 9427),

Gene: Isiphiwo_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Isiphiwo_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Isolde_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Isolde_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (196, 2337), (224, 2385), (229, 2397), (301, 2538), (324, 2613), (365, 2679), (418, 2760), (498, 2883), (538, 2955), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (713, 3297), (734, 3339), (738, 3351), (824, 3537), (828, 3546), (877, 3597),

Gene: Isperia_8 Start: 3780, Stop: 5666, Start Num: 111

Candidate Starts for Isperia_8:

(56, 3690), (87, 3750), (Start: 111 @3780 has 1 MA's), (Start: 160 @3846 has 1 MA's), (Start: 187 @3888 has 1 MA's), (280, 4095), (395, 4380), (430, 4422), (497, 4560), (521, 4602), (523, 4608), (618, 4797), (636, 4824), (638, 4833), (675, 4929), (678, 4938), (695, 4977), (758, 5130), (786, 5193), (892, 5382), (901, 5397), (933, 5463), (944, 5511),

Gene: Issmi_8 Start: 4133, Stop: 5614, Start Num: 155

Candidate Starts for Issmi_8:

(Start: 155 @4133 has 140 MA's), (168, 4151), (Start: 222 @4250 has 4 MA's), (246, 4298), (249, 4310), (266, 4349), (305, 4442), (327, 4499), (355, 4526), (415, 4619), (444, 4655), (458, 4682), (530, 4808), (534, 4820), (573, 4895), (579, 4913), (585, 4931), (588, 4937), (596, 4958), (620, 5021), (629, 5033), (645, 5078), (669, 5135), (734, 5294), (741, 5315), (773, 5372), (812, 5462), (813, 5471), (827, 5504), (908, 5600),

Gene: Iter_3 Start: 2280, Stop: 3656, Start Num: 148

Candidate Starts for Iter_3:

(Start: 148 @2280 has 57 MA's), (Start: 222 @2400 has 4 MA's), (266, 2499), (421, 2763), (580, 3036), (675, 3195), (699, 3243), (705, 3273), (713, 3297), (799, 3471), (864, 3591),

Gene: Itos_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Itos_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: IttyBittyPiggy_3 Start: 2272, Stop: 3651, Start Num: 145

Candidate Starts for IttyBittyPiggy_3:

(Start: 145 @2272 has 30 MA's), (Start: 222 @2392 has 4 MA's), (421, 2755), (580, 3028), (699, 3232), (705, 3262), (713, 3286), (799, 3460),

Gene: Itza_7 Start: 4278, Stop: 5753, Start Num: 155

Candidate Starts for Itza_7:

(19, 3741), (33, 3885), (Start: 155 @4278 has 140 MA's), (Start: 171 @4299 has 1 MA's), (Start: 222 @4395 has 4 MA's), (249, 4455), (305, 4587), (314, 4608), (327, 4644), (444, 4806), (466, 4848), (512, 4932), (534, 4971), (557, 5019), (573, 5046), (579, 5064), (588, 5088), (589, 5091), (596, 5109), (609, 5145), (629, 5184), (645, 5229), (669, 5286), (678, 5310), (773, 5523), (812, 5613), (827, 5655),

Gene: Iwokeuplikedis_13 Start: 8972, Stop: 10429, Start Num: 127

Candidate Starts for Iwokeuplikedis_13:

(Start: 127 @8972 has 330 MA's), (182, 9032), (230, 9131), (233, 9137), (329, 9347), (355, 9401), (365, 9419), (382, 9452), (488, 9605), (489, 9608), (534, 9680), (545, 9707), (549, 9713), (563, 9734), (587, 9785), (605, 9809), (682, 9947), (735, 10079), (741, 10097), (757, 10127), (762, 10136), (787, 10196), (812, 10253), (824, 10283), (842, 10313), (867, 10337), (890, 10358),

Gene: Izel_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Izel_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Izzy_8 Start: 4288, Stop: 5730, Start Num: 155

Candidate Starts for Izzy_8:

(Start: 142 @4279 has 1 MA's), (Start: 144 @4282 has 15 MA's), (Start: 155 @4288 has 140 MA's), (Start: 222 @4405 has 4 MA's), (246, 4453), (255, 4477), (412, 4771), (444, 4813), (458, 4840), (530, 4966), (534, 4978), (579, 5071), (629, 5149), (645, 5194), (669, 5251), (678, 5275), (773, 5488), (908, 5716),

Gene: JAWS_9 Start: 3020, Stop: 4576, Start Num: 83

Candidate Starts for JAWS_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3119), (182, 3128), (215, 3200), (Start: 222 @3209 has 4 MA's), (232, 3233), (248, 3266), (252, 3275), (266, 3308), (281, 3326), (305, 3377), (314, 3398), (327, 3440), (362, 3506), (369, 3521), (414, 3596), (428, 3617), (458, 3671), (522, 3791), (537, 3824), (546, 3845), (558, 3866), (575, 3896), (624, 3929), (635, 3947), (666, 4025), (670, 4037), (672, 4040), (676, 4052), (677, 4055), (699, 4091), (711, 4139), (735, 4190), (741, 4208), (787, 4304), (803, 4325), (812, 4352), (813, 4361), (828, 4397),

Gene: JC27_14 Start: 9317, Stop: 10759, Start Num: 158

Candidate Starts for JC27_14:

(109, 9251), (Start: 158 @9317 has 220 MA's), (263, 9515), (365, 9728), (482, 9923), (545, 10034), (584, 10106), (667, 10229), (682, 10268), (710, 10346), (712, 10352), (735, 10400), (739, 10412), (743, 10421), (785, 10511), (824, 10601), (845, 10634), (857, 10646),

Gene: JF1_10 Start: 3907, Stop: 5508, Start Num: 75

Candidate Starts for JF1_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (319, 4333), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: JF2_12 Start: 7830, Stop: 9296, Start Num: 127

Candidate Starts for JF2_12:

(Start: 127 @7830 has 330 MA's), (163, 7875), (233, 8001), (273, 8085), (308, 8148), (320, 8181), (324, 8199), (343, 8238), (355, 8265), (480, 8454), (534, 8544), (542, 8568), (545, 8571), (549, 8577), (563, 8598), (566, 8604), (663, 8775), (710, 8901), (711, 8904), (735, 8955), (737, 8961), (743, 8976), (757, 9006), (812, 9132), (824, 9162), (845, 9192),

Gene: JF4_12 Start: 7830, Stop: 9296, Start Num: 127

Candidate Starts for JF4_12:

(Start: 127 @7830 has 330 MA's), (163, 7875), (233, 8001), (273, 8085), (308, 8148), (320, 8181), (324, 8199), (343, 8238), (355, 8265), (480, 8454), (534, 8544), (542, 8568), (545, 8571), (549, 8577), (563, 8598), (566, 8604), (663, 8775), (710, 8901), (711, 8904), (735, 8955), (737, 8961), (743, 8976), (757, 9006), (812, 9132), (824, 9162), (845, 9192),

Gene: JHC117_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for JHC117_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: JSwag_15 Start: 8373, Stop: 9833, Start Num: 127

Candidate Starts for JSwag_15:

(Start: 127 @8373 has 330 MA's), (182, 8433), (233, 8538), (349, 8787), (365, 8820), (382, 8853), (534, 9084), (545, 9111), (549, 9117), (563, 9138), (574, 9159), (587, 9189), (605, 9213), (663, 9303), (675, 9333), (710, 9429), (721, 9456), (735, 9483), (741, 9501), (743, 9504), (757, 9537), (762, 9546), (812, 9663), (824, 9693), (867, 9747),

Gene: Jaan_16 Start: 11325, Stop: 12779, Start Num: 127

Candidate Starts for Jaan_16:

(Start: 127 @11325 has 330 MA's), (182, 11385), (233, 11490), (298, 11604), (329, 11700), (365, 11772), (534, 12033), (545, 12060), (549, 12066), (563, 12087), (587, 12138), (735, 12432), (741, 12450), (757, 12480), (762, 12489), (787, 12549), (802, 12576), (812, 12606), (824, 12636), (842, 12666), (867, 12690),

Gene: Jabbawokkie_5 Start: 2704, Stop: 4128, Start Num: 123

Candidate Starts for Jabbawokkie_5:

(Start: 123 @2704 has 47 MA's), (Start: 154 @2737 has 46 MA's), (192, 2791), (224, 2851), (226, 2860), (246, 2893), (258, 2926), (270, 2956), (302, 3001), (306, 3019), (316, 3043), (319, 3052), (352, 3112), (382, 3172), (388, 3181), (390, 3184), (421, 3217), (435, 3238), (460, 3280), (482, 3319), (494, 3331), (496, 3334), (531, 3391), (532, 3394), (534, 3400), (539, 3415), (556, 3445), (559, 3451), (596, 3529), (649, 3610), (671, 3664), (687, 3709), (696, 3724), (719, 3796), (739, 3841), (741, 3847), (787, 3955), (791, 3964), (797, 3973), (809, 4003), (813, 4018), (825, 4045),

Gene: Jabiru_10 Start: 7815, Stop: 9248, Start Num: 127

Candidate Starts for Jabiru_10:

(Start: 127 @7815 has 330 MA's), (225, 7944), (247, 7983), (252, 7998), (255, 8004), (298, 8076), (329, 8172), (343, 8199), (449, 8358), (484, 8424), (488, 8430), (489, 8433), (534, 8505), (549, 8538), (563, 8559), (577, 8589), (710, 8850), (735, 8904), (741, 8922), (762, 8961), (812, 9078), (824, 9108), (842, 9138), (857, 9153), (867, 9162),

Gene: Jabith_13 Start: 9836, Stop: 11293, Start Num: 127

Candidate Starts for Jabith_13:

(Start: 127 @9836 has 330 MA's), (169, 9881), (182, 9896), (233, 10001), (365, 10283), (382, 10316), (489, 10472), (534, 10544), (545, 10571), (549, 10577), (563, 10598), (587, 10649), (720, 10913), (735, 10943), (743, 10964), (749, 10979), (757, 10991), (762, 11000), (802, 11087), (812, 11117), (824, 11147), (842, 11177), (908, 11243),

Gene: Jablanski_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for Jablanski_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (314, 2605), (442, 2815), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: JackSparrow_13 Start: 8973, Stop: 10415, Start Num: 158

Candidate Starts for JackSparrow_13:

(109, 8907), (Start: 158 @8973 has 220 MA's), (263, 9171), (365, 9384), (482, 9579), (489, 9591), (545, 9690), (667, 9885), (682, 9924), (710, 10002), (712, 10008), (735, 10056), (739, 10068), (743, 10077), (785, 10167), (824, 10257), (845, 10290), (857, 10302),

Gene: JacoRen57_3 Start: 2321, Stop: 3976, Start Num: 112

Candidate Starts for JacoRen57_3:

(Start: 112 @2321 has 1 MA's), (Start: 134 @2336 has 1 MA's), (Start: 137 @2339 has 1 MA's), (233, 2489), (255, 2531), (263, 2552), (295, 2669), (313, 2738), (390, 2894), (423, 2927), (433, 2942), (504, 3062), (549, 3146), (649, 3308), (695, 3416), (740, 3539), (741, 3542), (762, 3572), (778, 3608), (845,

3758), (890, 3806), (918, 3857),

Gene: JakeTheSnake_4 Start: 2269, Stop: 3615, Start Num: 155

Candidate Starts for JakeTheSnake_4:

(92, 2191), (Start: 140 @2257 has 4 MA's), (Start: 155 @2269 has 140 MA's), (224, 2377), (229, 2389), (301, 2530), (327, 2611), (353, 2647), (365, 2671), (418, 2752), (498, 2875), (509, 2893), (527, 2920), (531, 2926), (538, 2947), (541, 2956), (549, 2968), (551, 2971), (565, 2995), (585, 3037), (667, 3163), (710, 3280), (713, 3289), (738, 3343), (768, 3397), (778, 3424), (824, 3541), (828, 3550), (877, 3601),

Gene: JalFarm20_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for JalFarm20_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: James_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for James_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (215, 2348), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Jamzy_8 Start: 3189, Stop: 4634, Start Num: 159

Candidate Starts for Jamzy_8:

(86, 3096), (Start: 159 @3189 has 63 MA's), (182, 3204), (231, 3306), (246, 3327), (257, 3357), (276, 3393), (299, 3420), (313, 3462), (322, 3492), (327, 3507), (332, 3522), (392, 3621), (430, 3657), (484, 3753), (531, 3825), (537, 3843), (539, 3849), (549, 3867), (552, 3873), (633, 4017), (674, 4116), (757, 4314), (762, 4323), (791, 4392), (811, 4437), (835, 4497), (845, 4509), (923, 4623),

Gene: Jane_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Jane_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Janeemi_4 Start: 3363, Stop: 4736, Start Num: 148

Candidate Starts for Janeemi_4:

(Start: 148 @3363 has 57 MA's), (Start: 222 @3483 has 4 MA's), (266, 3582), (421, 3846), (580, 4119), (675, 4275), (699, 4323), (705, 4353), (713, 4377), (799, 4551), (803, 4560), (864, 4671),

Gene: Jankie_3 Start: 1980, Stop: 3407, Start Num: 123

Candidate Starts for Jankie_3:

(Start: 123 @1980 has 47 MA's), (197, 2073), (240, 2148), (246, 2160), (328, 2346), (365, 2409), (419, 2481), (532, 2658), (542, 2688), (574, 2739), (614, 2817), (643, 2862), (655, 2889), (658, 2895), (702, 3009), (740, 3102), (762, 3147), (809, 3255),

Gene: Jant_3 Start: 2291, Stop: 3625, Start Num: 180

Candidate Starts for Jant_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Janus_8 Start: 4204, Stop: 5691, Start Num: 155

Candidate Starts for Janus_8:

(Start: 155 @4204 has 140 MA's), (Start: 222 @4321 has 4 MA's), (266, 4420), (284, 4474), (305, 4513), (444, 4726), (534, 4894), (573, 4969), (576, 4978), (579, 4987), (583, 4999), (585, 5005), (645, 5152), (667, 5203), (669, 5209), (773, 5446), (813, 5545), (827, 5578), (908, 5677),

Gene: Jacob_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Jacob_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Jarvi_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Jarvi_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Jash_8 Start: 4241, Stop: 5683, Start Num: 155

Candidate Starts for Jash_8:

(Start: 142 @4232 has 1 MA's), (Start: 144 @4235 has 15 MA's), (Start: 155 @4241 has 140 MA's), (Start: 222 @4358 has 4 MA's), (246, 4406), (255, 4430), (412, 4724), (444, 4766), (458, 4793), (530, 4919), (534, 4931), (579, 5024), (629, 5102), (645, 5147), (669, 5204), (678, 5228), (773, 5441), (908, 5669),

Gene: JasmineDragon_3 Start: 2299, Stop: 3663, Start Num: 148

Candidate Starts for JasmineDragon_3:

(Start: 148 @2299 has 57 MA's), (215, 2413), (Start: 222 @2422 has 4 MA's), (266, 2521), (534, 2962), (535, 2965), (663, 3184), (699, 3262), (789, 3481), (799, 3490),

Gene: Jasper_13 Start: 8528, Stop: 9970, Start Num: 158

Candidate Starts for Jasper_13:

(109, 8462), (Start: 158 @8528 has 220 MA's), (263, 8726), (365, 8939), (482, 9134), (489, 9146), (545, 9245), (584, 9317), (667, 9440), (682, 9479), (710, 9557), (712, 9563), (734, 9608), (735, 9611), (739, 9623), (743, 9632), (785, 9722), (824, 9812), (845, 9845), (857, 9857),

Gene: Jayhawk_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Jayhawk_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Jaykayelowell_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Jaykayelowell_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (545, 9309), (549, 9315), (563, 9336), (566, 9342), (599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (737, 9702), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (816, 9885), (824, 9903), (845, 9933),

Gene: Jeckyll_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for Jeckyll_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Jeeves_12 Start: 8315, Stop: 9775, Start Num: 127

Candidate Starts for Jeeves_12:

(Start: 127 @8315 has 330 MA's), (135, 8327), (182, 8375), (233, 8480), (243, 8492), (266, 8549), (365, 8762), (484, 8942), (534, 9023), (545, 9050), (549, 9056), (560, 9074), (563, 9077), (574, 9098), (587, 9128), (602, 9149), (624, 9167), (657, 9230), (735, 9422), (743, 9443), (749, 9458), (757, 9470), (762, 9479), (787, 9539), (812, 9596), (824, 9626), (842, 9656), (867, 9680),

Gene: Jeffabunny_16 Start: 9287, Stop: 10750, Start Num: 127

Candidate Starts for Jeffabunny_16:

(Start: 127 @9287 has 330 MA's), (Start: 143 @9308 has 5 MA's), (182, 9347), (225, 9434), (230, 9446), (233, 9452), (365, 9734), (504, 9947), (534, 9998), (545, 10025), (549, 10031), (563, 10052), (743, 10418), (757, 10445), (762, 10454), (787, 10514), (812, 10571), (824, 10601), (842, 10631), (870, 10658),

Gene: Jeilious_3 Start: 1887, Stop: 3401, Start Num: 105

Candidate Starts for Jeilious_3:

(14, 1320), (24, 1488), (26, 1503), (39, 1632), (Start: 105 @1887 has 79 MA's), (161, 1950), (164, 1953), (173, 1962), (246, 2094), (315, 2241), (316, 2244), (362, 2334), (382, 2373), (390, 2385), (439, 2448), (442, 2454), (471, 2496), (494, 2529), (532, 2592), (549, 2631), (574, 2673), (591, 2718), (602, 2742), (614, 2751), (649, 2808), (666, 2850), (673, 2868), (674, 2871), (735, 3027), (776, 3117), (789, 3153), (811, 3204), (821, 3228),

Gene: JellyBread_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for JellyBread_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: JenCasNa_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for JenCasNa_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Jennelsea_3 Start: 2300, Stop: 3598, Start Num: 193

Candidate Starts for Jennelsea_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: JeppNRM_15 Start: 8724, Stop: 10178, Start Num: 124

Candidate Starts for JeppNRM_15:

(Start: 124 @8724 has 299 MA's), (Start: 157 @8754 has 14 MA's), (182, 8781), (233, 8886), (298, 9000), (320, 9066), (343, 9123), (382, 9201), (384, 9204), (482, 9345), (545, 9456), (549, 9462), (563, 9483), (663, 9648), (710, 9774), (735, 9828), (737, 9834), (743, 9849), (762, 9885), (802, 9972), (812, 10002), (824, 10032), (857, 10077), (867, 10086),

Gene: Jerm_15 Start: 9635, Stop: 11095, Start Num: 127

Candidate Starts for Jerm_15:

(Start: 127 @9635 has 330 MA's), (182, 9695), (233, 9800), (324, 9998), (365, 10082), (382, 10115), (482, 10259), (534, 10343), (545, 10370), (549, 10376), (563, 10397), (566, 10403), (587, 10448), (735, 10742), (741, 10760), (743, 10763), (757, 10790), (762, 10799), (812, 10916), (824, 10946), (842, 10976), (867, 11000),

Gene: Jerm2_13 Start: 8906, Stop: 10348, Start Num: 158

Candidate Starts for Jerm2_13:

(109, 8840), (Start: 158 @8906 has 220 MA's), (263, 9104), (365, 9317), (482, 9512), (484, 9515), (545, 9623), (584, 9695), (667, 9818), (682, 9857), (710, 9935), (712, 9941), (735, 9989), (739, 10001), (743, 10010), (785, 10100), (824, 10190), (845, 10223), (857, 10235),

Gene: Jester_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Jester_9:

(72, 4754), (Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (342, 5222), (349, 5237), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: JetBlade_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for JetBlade_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Jevington_9 Start: 4426, Stop: 5907, Start Num: 155

Candidate Starts for Jevington_9:

(Start: 155 @4426 has 140 MA's), (Start: 222 @4543 has 4 MA's), (246, 4591), (249, 4603), (266, 4642), (314, 4756), (412, 4906), (444, 4948), (458, 4975), (531, 5104), (534, 5113), (554, 5155), (573, 5188), (579, 5206), (585, 5224), (589, 5233), (620, 5314), (638, 5350), (645, 5371), (667, 5422), (669, 5428), (741, 5608), (773, 5665), (812, 5755), (813, 5764), (908, 5893),

Gene: JewelBug_16 Start: 9285, Stop: 10748, Start Num: 127

Candidate Starts for JewelBug_16:

(Start: 127 @9285 has 330 MA's), (Start: 143 @9306 has 5 MA's), (182, 9345), (225, 9432), (230, 9444), (233, 9450), (365, 9732), (504, 9945), (534, 9996), (545, 10023), (549, 10029), (563, 10050), (743, 10416), (757, 10443), (762, 10452), (787, 10512), (812, 10569), (824, 10599), (842, 10629), (870, 10656),

Gene: Jhitchelle_6 Start: 3821, Stop: 5254, Start Num: 155

Candidate Starts for Jhitchelle_6:

(Start: 155 @3821 has 140 MA's), (Start: 222 @3938 has 4 MA's), (246, 3986), (249, 3998), (314, 4154), (371, 4241), (477, 4406), (479, 4412), (530, 4499), (534, 4511), (573, 4586), (579, 4604), (629, 4679), (669, 4781), (734, 4940), (735, 4943), (741, 4961), (748, 4973), (773, 5018), (812, 5108), (827, 5150), (850, 5180), (908, 5240),

Gene: Jiawan_13 Start: 9929, Stop: 11416, Start Num: 127

Candidate Starts for Jiawan_13:

(Start: 127 @9929 has 330 MA's), (182, 9992), (233, 10097), (266, 10166), (329, 10307), (349, 10346), (365, 10379), (382, 10412), (482, 10556), (534, 10640), (545, 10667), (549, 10673), (563, 10694), (577, 10724), (587, 10745), (605, 10769), (624, 10784), (735, 11039), (741, 11057), (757, 11087), (758, 11090), (762, 11096), (810, 11207), (812, 11213), (824, 11243), (842, 11273), (857, 11288), (867, 11297),

Gene: Jifall16_24 Start: 14552, Stop: 16141, Start Num: 121

Candidate Starts for Jifall16_24:

(Start: 121 @14552 has 32 MA's), (Start: 124 @14558 has 299 MA's), (138, 14573), (Start: 145 @14582 has 30 MA's), (182, 14636), (266, 14828), (305, 14906), (315, 14930), (323, 14960), (440, 15164), (460, 15191), (487, 15218), (533, 15308), (570, 15380), (576, 15395), (581, 15410), (633, 15491), (684, 15632), (722, 15731), (730, 15746), (735, 15755), (738, 15764), (750, 15800), (759, 15824), (799, 15908), (803, 15917), (818, 15962),

Gene: Jinglebell_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for Jinglebell_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Job42_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for Job42_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (501, 2858), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (803, 3431), (805,

3437), (808, 3446), (811, 3455), (813, 3467), (845, 3530), (889, 3578),

Gene: Jobu08_14 Start: 8723, Stop: 10177, Start Num: 124

Candidate Starts for Jobu08_14:

(Start: 124 @8723 has 299 MA's), (Start: 157 @8753 has 14 MA's), (182, 8780), (233, 8885), (298, 8999), (320, 9065), (343, 9122), (382, 9200), (384, 9203), (482, 9344), (545, 9455), (549, 9461), (563, 9482), (663, 9647), (710, 9773), (735, 9827), (737, 9833), (743, 9848), (762, 9884), (802, 9971), (812, 10001), (824, 10031), (857, 10076), (867, 10085),

Gene: Jobypre_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Jobypre_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: JoeDirt_5 Start: 2626, Stop: 4299, Start Num: 131

Candidate Starts for JoeDirt_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4264),

Gene: Joemato_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Joemato_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: JoeyJr_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for JoeyJr_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: JohnDoe_3 Start: 2268, Stop: 3644, Start Num: 148

Candidate Starts for JohnDoe_3:

(Start: 148 @2268 has 57 MA's), (Start: 222 @2388 has 4 MA's), (266, 2487), (290, 2526), (421, 2751), (439, 2766), (484, 2844), (580, 3024), (678, 3192), (699, 3231), (705, 3261), (713, 3285), (799, 3459), (803, 3468), (864, 3579),

Gene: JohnThicc_3 Start: 2290, Stop: 3654, Start Num: 148

Candidate Starts for JohnThicc_3:

(Start: 148 @2290 has 57 MA's), (215, 2404), (Start: 222 @2413 has 4 MA's), (535, 2956), (548, 2986), (663, 3175), (699, 3253), (789, 3472), (799, 3481), (828, 3559),

Gene: JoieB_37 Start: 12883, Stop: 14448, Start Num: 76

Candidate Starts for JoieB_37:

(Start: 76 @12883 has 19 MA's), (165, 13000), (231, 13120), (255, 13165), (258, 13174), (308, 13264), (323, 13312), (324, 13315), (353, 13357), (355, 13360), (368, 13384), (423, 13456), (425, 13459), (450, 13498), (460, 13519), (462, 13522), (488, 13567), (539, 13657), (542, 13666), (549, 13675), (574, 13717), (575, 13720), (592, 13759), (619, 13801), (625, 13807), (628, 13810), (647, 13855), (674, 13924), (710, 14023), (714, 14035), (763, 14134), (789, 14200), (802, 14221), (807, 14236), (856, 14329), (870, 14344),

Gene: Jolene_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Jolene_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Jolie2_3 Start: 1947, Stop: 3434, Start Num: 105

Candidate Starts for Jolie2_3:

(48, 1812), (49, 1818), (Start: 105 @1947 has 79 MA's), (161, 2013), (214, 2103), (246, 2157), (313, 2301), (315, 2307), (320, 2322), (355, 2388), (382, 2439), (388, 2448), (442, 2520), (482, 2586), (496, 2601), (549, 2700), (559, 2718), (574, 2742), (599, 2805), (649, 2877), (666, 2919), (674, 2940), (729, 3084), (735, 3096), (789, 3222), (811, 3273), (916, 3408),

Gene: JonJames_31 Start: 14631, Stop: 16202, Start Num: 104

Candidate Starts for JonJames_31:

(54, 14547), (Start: 104 @14631 has 19 MA's), (Start: 143 @14682 has 5 MA's), (Start: 151 @14691 has 63 MA's), (Start: 222 @14808 has 4 MA's), (238, 14841), (258, 14889), (259, 14892), (266, 14907), (269, 14916), (304, 14976), (311, 14997), (330, 15054), (365, 15120), (368, 15126), (379, 15150), (401, 15183), (433, 15237), (435, 15240), (508, 15360), (539, 15414), (541, 15420), (576, 15483), (606, 15555), (617, 15591), (678, 15750), (686, 15771), (704, 15816), (710, 15834), (737, 15894), (741, 15906), (742, 15909), (820, 16089), (825, 16104), (831, 16119),

Gene: Jonghyun_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Jonghyun_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: JoongJeon_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for JoongJeon_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: JorRay_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for JorRay_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Jordennis_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Jordennis_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Jorgensen_12 Start: 8489, Stop: 9931, Start Num: 158

Candidate Starts for Jorgensen_12:

(109, 8423), (Start: 158 @8489 has 220 MA's), (263, 8687), (365, 8900), (482, 9095), (489, 9107), (545, 9206), (667, 9401), (682, 9440), (710, 9518), (712, 9524), (735, 9572), (739, 9584), (743, 9593), (785, 9683), (824, 9773), (845, 9806), (857, 9818),

Gene: Joselito_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Joselito_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: JoshKayV_15 Start: 9626, Stop: 11101, Start Num: 127

Candidate Starts for JoshKayV_15:

(Start: 127 @9626 has 330 MA's), (182, 9686), (233, 9791), (324, 9989), (365, 10073), (382, 10106), (466, 10217), (534, 10334), (545, 10361), (549, 10367), (563, 10388), (566, 10394), (587, 10439), (735, 10733), (741, 10751), (743, 10754), (757, 10781), (762, 10790), (812, 10907), (824, 10937), (842, 10967), (934, 11078),

Gene: Journey13_11 Start: 8338, Stop: 9777, Start Num: 127

Candidate Starts for Journey13_11:

(Start: 127 @8338 has 330 MA's), (Start: 143 @8359 has 5 MA's), (182, 8398), (229, 8491), (233, 8503), (349, 8752), (365, 8785), (489, 8977), (534, 9049), (545, 9076), (549, 9082), (563, 9103), (605, 9178), (735, 9448), (743, 9469), (757, 9496), (762, 9505), (812, 9622), (824, 9652), (842, 9682), (867, 9706),

Gene: Jovo_10 Start: 8048, Stop: 9481, Start Num: 127

Candidate Starts for Jovo_10:

(Start: 127 @8048 has 330 MA's), (247, 8216), (252, 8231), (255, 8237), (329, 8405), (343, 8432), (382, 8510), (449, 8591), (488, 8663), (489, 8666), (534, 8738), (549, 8771), (563, 8792), (577, 8822), (605, 8867), (710, 9083), (735, 9137), (741, 9155), (762, 9194), (812, 9311), (824, 9341), (842, 9371), (867, 9395),

Gene: Joy99_9 Start: 2999, Stop: 4555, Start Num: 83

Candidate Starts for Joy99_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (175, 3098), (182, 3107), (215, 3179), (Start: 222 @3188 has 4 MA's), (232, 3212), (248, 3245), (252, 3254), (266, 3287), (305, 3356), (314, 3377), (327, 3419), (362, 3485), (369, 3500), (414, 3575), (428, 3596), (458, 3650), (522, 3770), (537, 3803), (546, 3824), (558, 3845), (575, 3875), (624, 3908), (635, 3926), (659, 3986), (666, 4004), (670, 4016), (672, 4019), (676, 4031), (677, 4034), (699, 4070), (711, 4118), (735, 4169), (741, 4187), (787, 4283), (803, 4304), (812, 4331), (813, 4340), (828, 4376), (873, 4430),

Gene: Jsquared_12 Start: 8109, Stop: 9566, Start Num: 127

Candidate Starts for Jsquared_12:

(Start: 127 @8109 has 330 MA's), (Start: 143 @8130 has 5 MA's), (182, 8169), (233, 8274), (365, 8556), (382, 8589), (438, 8661), (489, 8745), (534, 8817), (545, 8844), (549, 8850), (563, 8871), (682, 9084), (721, 9189), (735, 9216), (743, 9237), (757, 9264), (762, 9273), (812, 9390), (824, 9420), (842, 9450), (867, 9474),

Gene: Jstan_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Jstan_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: Jubie_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Jubie_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: Judy_3 Start: 2383, Stop: 3744, Start Num: 145

Candidate Starts for Judy_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (298, 2653), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (789, 3595), (851, 3709),

Gene: Juice456_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Juice456_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (441, 2746), (495, 2848), (501, 2860), (506, 2869), (527, 2899), (531, 2908), (546, 2947), (557, 2965), (558, 2968), (575, 2998), (637, 3055), (652, 3094), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Juicebox_4 Start: 2953, Stop: 4350, Start Num: 143

Candidate Starts for Juicebox_4:

(Start: 143 @2953 has 5 MA's), (197, 3043), (210, 3079), (213, 3085), (244, 3130), (253, 3157), (305, 3253), (362, 3370), (427, 3475), (479, 3571), (492, 3601), (501, 3619), (512, 3637), (515, 3640), (586, 3775), (620, 3799), (682, 3934), (687, 3949), (803, 4204),

Gene: JuliaChild_14 Start: 9164, Stop: 10606, Start Num: 158

Candidate Starts for JuliaChild_14:

(109, 9098), (Start: 158 @9164 has 220 MA's), (263, 9362), (365, 9575), (482, 9770), (489, 9782), (545, 9881), (584, 9953), (667, 10076), (682, 10115), (710, 10193), (712, 10199), (735, 10247), (739, 10259), (743, 10268), (785, 10358), (824, 10448), (845, 10481), (857, 10493),

Gene: Juliette_10 Start: 3927, Stop: 5507, Start Num: 81

Candidate Starts for Juliette_10:

(Start: 75 @3912 has 32 MA's), (Start: 81 @3927 has 28 MA's), (Start: 101 @3951 has 1 MA's), (Start: 154 @4014 has 46 MA's), (215, 4122), (Start: 222 @4131 has 4 MA's), (248, 4188), (252, 4197), (253, 4200), (266, 4230), (305, 4299), (314, 4320), (324, 4356), (327, 4362), (345, 4386), (369, 4437), (388, 4476), (428, 4533), (476, 4611), (477, 4614), (479, 4620), (488, 4638), (500, 4665), (501, 4668), (522, 4701), (537, 4734), (546, 4755), (558, 4776), (624, 4839), (637, 4863), (645, 4887), (666, 4935), (670, 4947), (677, 4965), (697, 5004), (702, 5028), (737, 5112), (739, 5118), (741, 5124), (755, 5193), (767, 5217), (803, 5292), (812, 5319), (813, 5328), (828, 5364), (845, 5391), (857, 5403),

Gene: JuneStar_3 Start: 2262, Stop: 3800, Start Num: 145

Candidate Starts for JuneStar_3:

(Start: 145 @2262 has 30 MA's), (Start: 222 @2382 has 4 MA's), (266, 2481), (421, 2745), (580, 3018), (678, 3186), (699, 3225), (705, 3255), (713, 3279), (799, 3453), (813, 3498), (857, 3564), (913, 3642), (924, 3663), (942, 3714),

Gene: Juniper1_3 Start: 2275, Stop: 3597, Start Num: 180

Candidate Starts for Juniper1_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: KADY_15 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for KADY_15:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: KBG_13 Start: 9597, Stop: 11039, Start Num: 158

Candidate Starts for KBG_13:

(109, 9531), (Start: 158 @9597 has 220 MA's), (263, 9795), (365, 10008), (482, 10203), (545, 10314), (667, 10509), (682, 10548), (710, 10626), (712, 10632), (735, 10680), (739, 10692), (743, 10701), (785, 10791), (824, 10881), (845, 10914), (857, 10926),

Gene: KFPoly_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for KFPoly_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: KSSJEB_12 Start: 8502, Stop: 9944, Start Num: 158

Candidate Starts for KSSJEB_12:

(109, 8436), (Start: 158 @8502 has 220 MA's), (263, 8700), (365, 8913), (482, 9108), (484, 9111), (489, 9120), (545, 9219), (667, 9414), (682, 9453), (710, 9531), (712, 9537), (735, 9585), (739, 9597), (743, 9606), (762, 9639), (785, 9696), (824, 9786), (845, 9819), (857, 9831),

Gene: Kabloowy_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Kabloowy_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (182, 2304), (196, 2337), (224, 2385), (229, 2397), (301, 2538), (324, 2613), (365, 2679), (484, 2865), (498, 2883), (538, 2955), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (713, 3297), (734, 3339), (738, 3351), (824, 3537), (825, 3540), (828, 3546), (877, 3597),

Gene: Kabluna_28 Start: 13690, Stop: 15267, Start Num: 121

Candidate Starts for Kabluna_28:

(Start: 121 @13690 has 32 MA's), (Start: 124 @13696 has 299 MA's), (138, 13711), (Start: 140 @13714 has 4 MA's), (266, 13966), (305, 14044), (315, 14068), (416, 14269), (440, 14302), (460, 14329), (502, 14389), (577, 14524), (581, 14536), (633, 14617), (667, 14713), (684, 14758), (722, 14857), (735, 14881), (738, 14890), (759, 14950), (785, 15010), (791, 15022), (799, 15034), (803, 15043), (814, 15082),

Gene: Kachowdy_12 Start: 8246, Stop: 9712, Start Num: 127

Candidate Starts for Kachowdy_12:

(Start: 127 @8246 has 330 MA's), (233, 8417), (273, 8501), (308, 8564), (320, 8597), (324, 8615), (343, 8654), (355, 8681), (381, 8729), (480, 8870), (484, 8879), (534, 8960), (542, 8984), (545, 8987), (549, 8993), (563, 9014), (663, 9191), (710, 9317), (711, 9320), (735, 9371), (737, 9377), (743, 9392), (757, 9422), (812, 9548), (824, 9578), (845, 9608),

Gene: Kahlid_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Kahlid_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Kaine_7 Start: 3895, Stop: 5328, Start Num: 155

Candidate Starts for Kaine_7:

(Start: 155 @3895 has 140 MA's), (Start: 222 @4012 has 4 MA's), (246, 4060), (249, 4072), (371, 4315), (432, 4402), (466, 4462), (477, 4480), (479, 4486), (534, 4585), (573, 4660), (579, 4678), (610, 4717), (629, 4753), (669, 4855), (735, 5017), (741, 5035), (773, 5092), (812, 5182), (827, 5224), (882, 5290), (908, 5314),

Gene: Kalb97_15 Start: 8724, Stop: 10178, Start Num: 124

Candidate Starts for Kalb97_15:

(Start: 124 @8724 has 299 MA's), (Start: 157 @8754 has 14 MA's), (182, 8781), (233, 8886), (298, 9000), (320, 9066), (343, 9123), (382, 9201), (384, 9204), (482, 9345), (545, 9456), (549, 9462), (563, 9483), (663, 9648), (710, 9774), (735, 9828), (737, 9834), (743, 9849), (762, 9885), (802, 9972), (812, 10002), (824, 10032), (857, 10077), (867, 10086),

Gene: Kalimba_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Kalimba_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Kalnoky_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Kalnoky_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (624, 9575), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Kalpine_16 Start: 10999, Stop: 12459, Start Num: 127

Candidate Starts for Kalpine_16:

(Start: 127 @10999 has 330 MA's), (182, 11059), (233, 11164), (365, 11446), (382, 11479), (484, 11626), (489, 11635), (534, 11707), (545, 11734), (549, 11740), (563, 11761), (587, 11812), (735,

12106), (741, 12124), (743, 12127), (749, 12142), (757, 12154), (762, 12163), (812, 12280), (824, 12310), (842, 12340), (867, 12364),

Gene: Kamaru_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for Kamaru_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: Kamy_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Kamy_12:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (489, 9212), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Kanely_13 Start: 9274, Stop: 10716, Start Num: 158

Candidate Starts for Kanely_13:

(109, 9208), (Start: 158 @9274 has 220 MA's), (263, 9472), (365, 9685), (482, 9880), (484, 9883), (545, 9991), (584, 10063), (667, 10186), (682, 10225), (710, 10303), (712, 10309), (735, 10357), (739, 10369), (743, 10378), (785, 10468), (824, 10558), (845, 10591), (857, 10603),

Gene: Kareem_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Kareem_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Karhdo_3 Start: 2256, Stop: 3614, Start Num: 156

Candidate Starts for Karhdo_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (718, 3324), (735, 3357), (739, 3369), (754, 3408), (769, 3432), (826, 3576),

Gene: Karkharias_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for Karkharias_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (298, 2653), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (787, 3589), (789, 3595), (884, 3739),

Gene: Kasen3_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Kasen3_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743),

2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Katalie_8 Start: 4327, Stop: 5763, Start Num: 155

Candidate Starts for Katalie_8:

(Start: 142 @4318 has 1 MA's), (Start: 144 @4321 has 15 MA's), (Start: 155 @4327 has 140 MA's), (174, 4351), (188, 4375), (Start: 222 @4444 has 4 MA's), (246, 4492), (255, 4516), (266, 4543), (328, 4696), (412, 4810), (444, 4852), (450, 4864), (458, 4879), (479, 4918), (530, 5008), (534, 5020), (579, 5113), (629, 5191), (645, 5236), (669, 5293), (773, 5530), (908, 5749),

Gene: Katalie136_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for Katalie136_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (355, 9013), (382, 9064), (476, 9193), (482, 9211), (514, 9256), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (599, 9424), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (737, 9715), (741, 9727), (743, 9730), (757, 9757), (802, 9853), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: KatherineG_15 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for KatherineG_15:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: KayGee_5 Start: 2579, Stop: 4012, Start Num: 159

Candidate Starts for KayGee_5:

(Start: 159 @2579 has 63 MA's), (184, 2603), (229, 2693), (255, 2747), (257, 2753), (276, 2789), (289, 2795), (302, 2825), (306, 2843), (326, 2900), (365, 2969), (382, 3002), (489, 3158), (525, 3209), (537, 3239), (549, 3263), (574, 3305), (602, 3374), (618, 3392), (645, 3440), (674, 3512), (741, 3683), (762, 3716), (787, 3776), (798, 3797), (811, 3830), (835, 3890), (836, 3893), (923, 4004),

Gene: KayMoney_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for KayMoney_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (537, 3082), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (722, 3463), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Kaylissa_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Kaylissa_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Kazan_16 Start: 9290, Stop: 10753, Start Num: 127

Candidate Starts for Kazan_16:

(Start: 127 @9290 has 330 MA's), (Start: 143 @9311 has 5 MA's), (182, 9350), (225, 9437), (230, 9449), (233, 9455), (365, 9737), (504, 9950), (534, 10001), (545, 10028), (549, 10034), (563, 10055), (743, 10421), (757, 10448), (762, 10457), (787, 10517), (812, 10574), (824, 10604), (842, 10634), (870, 10661),

Gene: KeAlii_3 Start: 2252, Stop: 3619, Start Num: 148

Candidate Starts for KeAlii_3:

(Start: 148 @2252 has 57 MA's), (215, 2363), (Start: 222 @2372 has 4 MA's), (266, 2471), (441, 2753), (580, 3008), (663, 3134), (705, 3242), (713, 3266), (799, 3440), (864, 3560),

Gene: Keelan_33 Start: 11198, Stop: 12622, Start Num: 157

Candidate Starts for Keelan_33:

(Start: 157 @11198 has 14 MA's), (185, 11237), (189, 11246), (206, 11294), (243, 11354), (305, 11480), (327, 11543), (356, 11594), (436, 11729), (480, 11795), (534, 11894), (666, 12104), (670, 12116), (716, 12239), (728, 12263), (732, 12269), (734, 12272), (808, 12416), (811, 12425), (812, 12428), (813, 12437), (859, 12509),

Gene: Keiki_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Keiki_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (301, 2135), (314, 2174), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (383, 2315), (385, 2318), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (464, 2414), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737, 2930), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: KekoraPapaka_11 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for KekoraPapaka_11:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Kenmech_15 Start: 9778, Stop: 11220, Start Num: 158

Candidate Starts for Kenmech_15:

(109, 9712), (Start: 158 @9778 has 220 MA's), (263, 9976), (365, 10189), (482, 10384), (489, 10396), (545, 10495), (667, 10690), (682, 10729), (710, 10807), (712, 10813), (735, 10861), (739, 10873), (743, 10882), (762, 10915), (785, 10972), (824, 11062), (845, 11095), (857, 11107),

Gene: Kenna_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Kenna_4:

(Start: 123 @2191 has 47 MA's), (173, 2245), (194, 2281), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (258, 2410), (301, 2482), (312, 2512), (319, 2536), (324, 2557), (355, 2605), (395, 2674), (432, 2716), (479, 2794), (494, 2815), (496, 2818), (532, 2878), (542, 2908), (545, 2911), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (642, 3079), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (709, 3256), (729, 3301), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: Kenuha5_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Kenuha5_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (375, 2687), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Kerberos_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for Kerberos_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: Kersh_3 Start: 2243, Stop: 3601, Start Num: 156

Candidate Starts for Kersh_3:

(Start: 156 @2243 has 163 MA's), (Start: 180 @2279 has 9 MA's), (Start: 193 @2303 has 1 MA's), (196, 2312), (198, 2318), (199, 2321), (Start: 222 @2360 has 4 MA's), (252, 2426), (253, 2429), (290, 2498), (305, 2537), (309, 2546), (324, 2594), (365, 2654), (391, 2702), (423, 2747), (465, 2792), (490, 2819), (514, 2864), (532, 2885), (533, 2888), (534, 2891), (541, 2912), (546, 2921), (575, 2972), (576, 2975), (579, 2984), (592, 3014), (603, 3035), (641, 3104), (646, 3113), (662, 3164), (664, 3167), (686, 3227), (688, 3233), (735, 3344), (739, 3356), (751, 3389), (754, 3395), (769, 3419), (826, 3563),

Gene: Keshu_8 Start: 2908, Stop: 4476, Start Num: 83

Candidate Starts for Keshu_8:

(58, 2875), (Start: 83 @2908 has 142 MA's), (175, 3013), (182, 3022), (189, 3037), (232, 3127), (248, 3160), (253, 3172), (266, 3202), (305, 3271), (314, 3292), (319, 3307), (327, 3334), (356, 3385), (362, 3394), (369, 3409), (414, 3484), (423, 3499), (428, 3505), (433, 3514), (441, 3529), (473, 3580), (501, 3646), (522, 3679), (527, 3685), (537, 3712), (546, 3733), (558, 3754), (575, 3784), (624, 3817), (635, 3835), (666, 3913), (670, 3925), (672, 3928), (677, 3943), (709, 4024), (711, 4030), (734, 4078), (741, 4099), (803, 4219), (812, 4246), (813, 4255), (828, 4291),

Gene: Keziacharles14_12 Start: 8061, Stop: 9545, Start Num: 127

Candidate Starts for Keziacharles14_12:

(Start: 127 @8061 has 330 MA's), (182, 8121), (Start: 193 @8145 has 1 MA's), (225, 8208), (233, 8226), (298, 8340), (329, 8436), (349, 8475), (365, 8508), (382, 8541), (482, 8685), (508, 8721), (514, 8730), (534, 8769), (545, 8796), (549, 8802), (563, 8823), (587, 8874), (605, 8898), (624, 8913), (667, 8997), (735, 9168), (741, 9186), (757, 9216), (762, 9225), (810, 9336), (812, 9342), (824, 9372), (857, 9417), (867, 9426),

Gene: KiSi_8 Start: 2917, Stop: 4461, Start Num: 83

Candidate Starts for KiSi_8:

(Start: 75 @2902 has 32 MA's), (Start: 83 @2917 has 142 MA's), (116, 2953), (Start: 134 @2971 has 1 MA's), (172, 3016), (182, 3028), (186, 3037), (Start: 222 @3109 has 4 MA's), (232, 3133), (243, 3151), (248, 3166), (252, 3175), (253, 3178), (314, 3298), (319, 3313), (326, 3337), (327, 3340), (369, 3418), (388, 3457), (414, 3493), (428, 3514), (450, 3553), (467, 3583), (476, 3598), (495, 3643), (500, 3652), (501, 3655), (522, 3688), (537, 3721), (546, 3742), (558, 3763), (575, 3793), (624, 3826), (635, 3844), (666, 3922), (670, 3934), (672, 3937), (676, 3949), (677, 3952), (734, 4084), (741, 4105), (767, 4147), (780, 4186), (785, 4198), (803, 4222), (811, 4246), (812, 4249), (813, 4258), (828, 4294), (899, 4381),

Gene: KidneyBean_25 Start: 14685, Stop: 16274, Start Num: 121

Candidate Starts for KidneyBean_25:

(Start: 121 @14685 has 32 MA's), (Start: 124 @14691 has 299 MA's), (138, 14706), (Start: 145 @14715 has 30 MA's), (182, 14769), (266, 14961), (305, 15039), (315, 15063), (323, 15093), (440, 15297), (460, 15324), (487, 15351), (533, 15441), (570, 15513), (576, 15528), (581, 15543), (633, 15624), (684, 15765), (722, 15864), (730, 15879), (735, 15888), (738, 15897), (750, 15933), (759, 15957), (799, 16041), (803, 16050), (818, 16095),

Gene: KikiBouba_14 Start: 9245, Stop: 10687, Start Num: 158

Candidate Starts for KikiBouba_14:

(109, 9179), (Start: 158 @9245 has 220 MA's), (263, 9443), (365, 9656), (482, 9851), (489, 9863), (545, 9962), (667, 10157), (682, 10196), (710, 10274), (712, 10280), (735, 10328), (739, 10340), (743, 10349), (785, 10439), (824, 10529), (845, 10562), (857, 10574),

Gene: Killigrew_10 Start: 8139, Stop: 9581, Start Num: 158

Candidate Starts for Killigrew_10:

(109, 8073), (Start: 158 @8139 has 220 MA's), (263, 8337), (365, 8550), (370, 8562), (382, 8586), (482, 8745), (489, 8757), (545, 8856), (667, 9051), (682, 9090), (710, 9168), (712, 9174), (735, 9222), (739, 9234), (743, 9243), (762, 9276), (785, 9333), (824, 9423), (845, 9456), (857, 9468),

Gene: KimJongPhill_9 Start: 5975, Stop: 7729, Start Num: 52

Candidate Starts for KimJongPhill_9:

(Start: 52 @5975 has 2 MA's), (53, 5981), (59, 5993), (60, 5996), (67, 6011), (96, 6062), (Start: 112 @6083 has 1 MA's), (Start: 222 @6251 has 4 MA's), (230, 6272), (274, 6362), (279, 6380), (281, 6392), (290, 6416), (305, 6476), (318, 6509), (319, 6512), (351, 6581), (549, 6941), (551, 6944), (645, 7127), (675, 7202), (678, 7211), (683, 7226), (688, 7241), (713, 7316), (735, 7361), (781, 7457), (796, 7487), (851, 7592), (894, 7643), (937, 7724),

Gene: Kimba_13 Start: 9896, Stop: 11293, Start Num: 182

Candidate Starts for Kimba_13:

(Start: 127 @9836 has 330 MA's), (169, 9881), (182, 9896), (233, 10001), (365, 10283), (382, 10316), (489, 10472), (534, 10544), (545, 10571), (549, 10577), (563, 10598), (587, 10649), (720, 10913), (735, 10943), (743, 10964), (749, 10979), (757, 10991), (762, 11000), (802, 11087), (812, 11117), (824, 11147), (842, 11177), (908, 11243),

Gene: Kimberlium_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Kimberlium_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (441, 2746), (495, 2848), (501, 2860), (506, 2869), (527, 2899), (531, 2908), (546, 2947), (557, 2965), (558, 2968), (575, 2998), (637, 3055), (652, 3094), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Kimchi1738_13 Start: 8378, Stop: 9940, Start Num: 129

Candidate Starts for Kimchi1738_13:

(Start: 117 @8363 has 8 MA's), (Start: 129 @8378 has 6 MA's), (178, 8441), (201, 8504), (234, 8564), (238, 8573), (244, 8582), (258, 8621), (301, 8699), (305, 8717), (355, 8837), (360, 8843), (389, 8906), (394, 8912), (477, 9026), (515, 9101), (532, 9125), (570, 9200), (576, 9215), (581, 9230), (641, 9335), (646, 9344), (684, 9452), (739, 9584), (764, 9647), (782, 9692), (804, 9737), (806, 9743), (813, 9770), (818, 9779), (824, 9794), (899, 9878),

Gene: Kimona_9 Start: 6002, Stop: 7459, Start Num: 124

Candidate Starts for Kimona_9:

(Start: 124 @6002 has 299 MA's), (Start: 157 @6029 has 14 MA's), (229, 6149), (233, 6161), (308, 6308), (324, 6359), (355, 6425), (484, 6623), (508, 6656), (514, 6665), (534, 6704), (545, 6731), (549, 6737), (563, 6758), (577, 6788), (599, 6836), (663, 6941), (710, 7067), (711, 7070), (735, 7121), (741, 7139), (743, 7142), (762, 7178), (787, 7238), (798, 7259), (802, 7265), (812, 7295), (824, 7325), (854, 7364),

Gene: KingCyrus_15 Start: 9611, Stop: 11086, Start Num: 127

Candidate Starts for KingCyrus_15:

(Start: 127 @9611 has 330 MA's), (182, 9671), (233, 9776), (324, 9974), (365, 10058), (382, 10091), (466, 10202), (534, 10319), (545, 10346), (549, 10352), (563, 10373), (566, 10379), (587, 10424), (667, 10547), (735, 10718), (741, 10736), (743, 10739), (757, 10766), (762, 10775), (812, 10892), (824, 10922), (842, 10952), (867, 10976), (934, 11063),

Gene: KingJulian_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for KingJulian_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (833, 3593),

Gene: KingMidas_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for KingMidas_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Kingmustik0402_12 Start: 8570, Stop: 10021, Start Num: 124

Candidate Starts for Kingmustik0402_12:

(Start: 124 @8570 has 299 MA's), (229, 8717), (233, 8729), (316, 8897), (324, 8927), (343, 8966), (352, 8984), (382, 9044), (476, 9173), (482, 9191), (531, 9266), (545, 9302), (549, 9308), (563, 9329), (566, 9335), (599, 9404), (642, 9464), (663, 9509), (710, 9635), (711, 9638), (735, 9689), (743, 9710), (757, 9740), (798, 9830), (812, 9866), (824, 9896), (845, 9926),

Gene: Kingsley_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Kingsley_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Kingsolomon_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Kingsolomon_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: Kinmap_12 Start: 9135, Stop: 10586, Start Num: 127

Candidate Starts for Kinmap_12:

(Start: 127 @9135 has 330 MA's), (182, 9195), (225, 9282), (233, 9300), (349, 9549), (365, 9582), (382, 9615), (489, 9771), (534, 9843), (545, 9870), (549, 9876), (563, 9897), (663, 10062), (665, 10065), (710, 10188), (735, 10242), (741, 10260), (743, 10263), (749, 10278), (757, 10290), (762, 10299), (810, 10410), (812, 10416), (824, 10446), (842, 10476), (867, 10500),

Gene: Kipper29_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for Kipper29_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: KirDoubleO7_4 Start: 2768, Stop: 4411, Start Num: 131

Candidate Starts for KirDoubleO7_4:

(Start: 131 @2768 has 70 MA's), (178, 2828), (249, 2969), (253, 2978), (305, 3080), (367, 3194), (441, 3287), (469, 3326), (492, 3383), (495, 3389), (510, 3416), (517, 3425), (527, 3440), (638, 3629), (668, 3701), (684, 3743), (767, 3926), (782, 3968), (799, 3995), (803, 4004), (824, 4064), (840, 4094), (849, 4103), (908, 4178), (925, 4211),

Gene: KittenMittens_11 Start: 6470, Stop: 7930, Start Num: 124

Candidate Starts for KittenMittens_11:

(Start: 124 @6470 has 299 MA's), (Start: 157 @6497 has 14 MA's), (198, 6563), (229, 6617), (233, 6629), (241, 6638), (266, 6698), (308, 6776), (320, 6809), (324, 6827), (342, 6866), (344, 6869), (382, 6947), (480, 7085), (489, 7103), (545, 7202), (549, 7208), (563, 7229), (566, 7235), (577, 7259), (599, 7310), (663, 7415), (710, 7541), (711, 7544), (735, 7595), (737, 7601), (743, 7616), (757, 7646), (762, 7655), (798, 7736), (812, 7772), (824, 7802), (861, 7853), (864, 7856),

Gene: KleverKiS_15 Start: 6256, Stop: 7878, Start Num: 93

Candidate Starts for KleverKiS_15:

(Start: 93 @6256 has 23 MA's), (Start: 108 @6271 has 1 MA's), (186, 6379), (194, 6397), (215, 6445), (235, 6478), (243, 6490), (252, 6514), (263, 6541), (266, 6547), (305, 6619), (308, 6625), (319, 6655), (359, 6736), (361, 6742), (363, 6745), (371, 6763), (482, 6919), (495, 6937), (501, 6949), (531, 6997), (557, 7054), (558, 7057), (600, 7126), (640, 7180), (659, 7216), (678, 7267), (680, 7270), (697, 7300), (701, 7309), (721, 7375), (722, 7378), (734, 7399), (735, 7402), (760, 7453), (803, 7540), (862, 7651), (890, 7681), (911, 7717), (914, 7723), (922, 7738), (931, 7750), (952, 7834),

Gene: Klodlith_13 Start: 8077, Stop: 9561, Start Num: 127

Candidate Starts for Klodlith_13:

(Start: 127 @8077 has 330 MA's), (182, 8137), (233, 8242), (291, 8350), (298, 8356), (329, 8452), (365, 8524), (382, 8557), (466, 8668), (482, 8701), (508, 8737), (514, 8746), (534, 8785), (542, 8809), (545, 8812), (549, 8818), (560, 8836), (563, 8839), (587, 8890), (735, 9184), (741, 9202), (757, 9232), (762, 9241), (802, 9328), (810, 9352), (812, 9358), (824, 9388), (857, 9433), (867, 9442),

Gene: Koan_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Koan_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Koduck_14 Start: 8396, Stop: 9856, Start Num: 127

Candidate Starts for Koduck_14:

(Start: 127 @8396 has 330 MA's), (Start: 143 @8417 has 5 MA's), (182, 8456), (233, 8561), (365, 8843), (382, 8876), (438, 8948), (489, 9032), (534, 9104), (545, 9131), (547, 9134), (549, 9137), (563, 9158), (682, 9371), (721, 9476), (735, 9503), (743, 9524), (757, 9551), (762, 9560), (812, 9677), (824, 9707), (842, 9737), (857, 9752), (867, 9761),

Gene: Koella_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Koella_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (833, 3578),

Gene: Koko_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Koko_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Koreni_11 Start: 8227, Stop: 9678, Start Num: 124

Candidate Starts for Koreni_11:

(Start: 124 @8227 has 299 MA's), (229, 8374), (233, 8386), (316, 8554), (324, 8584), (343, 8623), (352, 8641), (382, 8701), (476, 8830), (482, 8848), (489, 8860), (545, 8959), (549, 8965), (563, 8986), (566, 8992), (599, 9061), (642, 9121), (663, 9166), (710, 9292), (711, 9295), (735, 9346), (737, 9352), (743, 9367), (757, 9397), (798, 9487), (812, 9523), (816, 9535), (824, 9553), (845, 9583),

Gene: Krakatau_4 Start: 2939, Stop: 4273, Start Num: 180

Candidate Starts for Krakatau_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (686, 3887), (688, 3893), (718, 3971), (735, 4004), (739, 4016), (745, 4034), (754, 4055), (769, 4079), (833, 4241),

Gene: Kratak_12 Start: 8573, Stop: 10024, Start Num: 124

Candidate Starts for Kratak_12:

(Start: 124 @8573 has 299 MA's), (233, 8732), (316, 8900), (324, 8930), (343, 8969), (352, 8987), (382, 9047), (476, 9176), (482, 9194), (545, 9305), (549, 9311), (563, 9332), (566, 9338), (599, 9407), (642, 9467), (663, 9512), (710, 9638), (711, 9641), (735, 9692), (737, 9698), (743, 9713), (757, 9743), (798, 9833), (812, 9869), (824, 9899), (845, 9929),

Gene: Kratio_6 Start: 2527, Stop: 4065, Start Num: 83

Candidate Starts for Kratio_6:

(Start: 83 @2527 has 142 MA's), (175, 2629), (182, 2638), (201, 2692), (248, 2776), (253, 2788), (266, 2818), (281, 2836), (305, 2887), (319, 2923), (326, 2947), (327, 2950), (359, 3004), (369, 3025), (414, 3100), (428, 3121), (444, 3151), (473, 3196), (495, 3250), (522, 3295), (537, 3328), (555, 3364), (558, 3370), (624, 3433), (635, 3451), (666, 3529), (670, 3541), (672, 3544), (677, 3559), (701, 3604), (702, 3619), (709, 3640), (711, 3646), (734, 3694), (735, 3697), (741, 3715), (780, 3796), (787, 3811), (803, 3832), (813, 3868), (828, 3904), (899, 3991),

Gene: Kraw_10 Start: 3922, Stop: 5508, Start Num: 81

Candidate Starts for Kraw_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253,

4198), (266, 4228), (305, 4297), (314, 4318), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Kremtemulon_12 Start: 8623, Stop: 10077, Start Num: 124

Candidate Starts for Kremtemulon_12:

(Start: 124 @8623 has 299 MA's), (229, 8773), (233, 8785), (316, 8953), (324, 8983), (343, 9022), (352, 9040), (382, 9100), (476, 9229), (482, 9247), (545, 9358), (549, 9364), (563, 9385), (566, 9391), (599, 9460), (642, 9520), (663, 9565), (687, 9628), (710, 9691), (711, 9694), (735, 9745), (743, 9766), (757, 9796), (798, 9886), (812, 9922), (824, 9952), (845, 9982),

Gene: Krishelle_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Krishelle_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: KristaRAM_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for KristaRAM_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (687, 3890), (688, 3893), (710, 3950), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: Kristoff_13 Start: 8553, Stop: 9998, Start Num: 124

Candidate Starts for Kristoff_13:

(Start: 124 @8553 has 299 MA's), (233, 8712), (308, 8859), (313, 8871), (320, 8892), (324, 8910), (327, 8916), (342, 8949), (382, 9030), (390, 9042), (480, 9168), (489, 9186), (534, 9258), (545, 9285), (549, 9291), (560, 9309), (563, 9312), (663, 9492), (710, 9618), (711, 9621), (735, 9672), (737, 9678), (743, 9693), (757, 9723), (762, 9732), (798, 9813), (812, 9849), (824, 9879), (861, 9930), (864, 9933),

Gene: Kromp_3 Start: 2437, Stop: 3882, Start Num: 140

Candidate Starts for Kromp_3:

(Start: 140 @2437 has 4 MA's), (224, 2551), (229, 2563), (240, 2587), (252, 2617), (253, 2620), (320, 2761), (321, 2764), (390, 2890), (442, 2962), (508, 3073), (549, 3151), (551, 3154), (552, 3157), (572, 3190), (604, 3247), (682, 3397), (735, 3529), (757, 3574), (778, 3619), (787, 3643), (803, 3667), (824, 3724), (849, 3757), (852, 3760), (877, 3784), (916, 3841), (925, 3859),

Gene: Kropertea_5 Start: 2328, Stop: 3965, Start Num: 132

Candidate Starts for Kropertea_5:

(Start: 132 @2328 has 11 MA's), (189, 2403), (253, 2535), (266, 2565), (305, 2637), (327, 2700), (367, 2751), (441, 2844), (444, 2850), (469, 2883), (481, 2916), (492, 2940), (495, 2946), (506, 2967), (510, 2973), (512, 2976), (527, 2997), (557, 3063), (626, 3165), (638, 3186), (682, 3294), (684, 3300), (720, 3393), (734, 3420), (767, 3483), (799, 3552), (801, 3555), (803, 3561), (824, 3621), (840, 3651), (849, 3660), (855, 3666), (919, 3756), (925, 3768), (950, 3846), (955, 3897),

Gene: Krueger_8 Start: 2958, Stop: 4505, Start Num: 83

Candidate Starts for Krueger_8:

(44, 2826), (46, 2853), (Start: 75 @2943 has 32 MA's), (Start: 83 @2958 has 142 MA's), (182, 3063), (Start: 222 @3144 has 4 MA's), (232, 3168), (252, 3210), (305, 3312), (314, 3333), (319, 3348), (327, 3375), (369, 3453), (388, 3492), (428, 3549), (467, 3618), (479, 3642), (495, 3678), (501, 3690), (522, 3723), (537, 3756), (546, 3777), (558, 3798), (575, 3828), (624, 3861), (635, 3879), (670, 3969), (672, 3972), (677, 3987), (699, 4023), (701, 4029), (711, 4071), (735, 4122), (741, 4140), (785, 4233), (787, 4236), (811, 4281), (812, 4284), (813, 4293),

Gene: Krypton555_6 Start: 2751, Stop: 4391, Start Num: 131

Candidate Starts for Krypton555_6:

(Start: 131 @2751 has 70 MA's), (178, 2811), (253, 2961), (266, 2991), (305, 3063), (328, 3129), (367, 3177), (441, 3270), (469, 3309), (492, 3366), (510, 3399), (517, 3408), (527, 3423), (638, 3612), (668, 3684), (684, 3726), (767, 3909), (799, 3978), (803, 3987), (824, 4047), (840, 4077), (849, 4086), (908, 4161), (925, 4194),

Gene: Kubed_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Kubed_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (385, 2318), (387, 2321), (405, 2345), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (480, 2441), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: Kudfre_13 Start: 6422, Stop: 7918, Start Num: 102

Candidate Starts for Kudfre_13:

(Start: 102 @6422 has 24 MA's), (133, 6464), (135, 6467), (182, 6533), (263, 6704), (301, 6764), (305, 6782), (363, 6890), (367, 6899), (374, 6914), (380, 6923), (408, 6965), (481, 7061), (495, 7091), (512, 7121), (517, 7127), (555, 7205), (620, 7295), (634, 7316), (686, 7442), (687, 7445), (702, 7481), (713, 7514), (735, 7559), (737, 7565), (758, 7607), (760, 7610), (767, 7619), (773, 7634), (785, 7670), (789, 7679), (794, 7685), (801, 7691), (808, 7712), (811, 7721), (829, 7772), (840, 7787), (846, 7793), (860, 7808),

Gene: Kugel_13 Start: 8737, Stop: 10203, Start Num: 127

Candidate Starts for Kugel_13:

(Start: 127 @8737 has 330 MA's), (233, 8887), (329, 9127), (355, 9181), (370, 9211), (382, 9232), (449, 9313), (482, 9376), (545, 9487), (549, 9493), (563, 9514), (605, 9589), (624, 9604), (687, 9745), (735, 9862), (741, 9880), (762, 9919), (812, 10036), (824, 10066), (829, 10078),

Gene: Kumao_14 Start: 5842, Stop: 7305, Start Num: 93

Candidate Starts for Kumao_14:

(90, 5839), (Start: 93 @5842 has 23 MA's), (Start: 154 @5920 has 46 MA's), (182, 5959), (184, 5962), (215, 6034), (235, 6067), (243, 6079), (249, 6097), (253, 6106), (266, 6136), (305, 6205), (314, 6226), (332, 6280), (361, 6307), (363, 6310), (497, 6499), (537, 6574), (558, 6616), (686, 6847), (699, 6862), (710, 6907), (721, 6934), (722, 6937), (780, 7060), (791, 7084), (862, 7210),

Gene: Kurt_25 Start: 14922, Stop: 16511, Start Num: 121

Candidate Starts for Kurt_25:

(Start: 121 @14922 has 32 MA's), (Start: 124 @14928 has 299 MA's), (138, 14943), (Start: 145 @14952 has 30 MA's), (182, 15006), (266, 15198), (305, 15276), (315, 15300), (323, 15330), (440, 15534), (460, 15561), (487, 15588), (533, 15678), (570, 15750), (576, 15765), (581, 15780), (633,

15861), (684, 16002), (722, 16101), (730, 16116), (735, 16125), (738, 16134), (750, 16170), (759, 16194), (799, 16278), (803, 16287), (818, 16332),

Gene: Kuwabara_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for Kuwabara_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (233, 2330), (242, 2342), (247, 2354), (255, 2375), (300, 2441), (348, 2561), (353, 2567), (355, 2573), (368, 2597), (390, 2636), (447, 2705), (454, 2717), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (539, 2864), (549, 2882), (575, 2927), (587, 2954), (595, 2972), (647, 3065), (674, 3134), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: KyMonks1A_14 Start: 9008, Stop: 10450, Start Num: 158

Candidate Starts for KyMonks1A_14:

(109, 8942), (Start: 158 @9008 has 220 MA's), (263, 9206), (365, 9419), (482, 9614), (545, 9725), (667, 9920), (682, 9959), (710, 10037), (712, 10043), (735, 10091), (739, 10103), (743, 10112), (785, 10202), (824, 10292), (845, 10325), (857, 10337),

Gene: Kyee_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Kyee_12:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (824, 9905), (845, 9935),

Gene: Kykar_10 Start: 8234, Stop: 9700, Start Num: 127

Candidate Starts for Kykar_10:

(Start: 127 @8234 has 330 MA's), (233, 8384), (329, 8624), (355, 8678), (370, 8708), (382, 8729), (449, 8810), (482, 8873), (545, 8984), (549, 8990), (563, 9011), (605, 9086), (624, 9101), (687, 9242), (735, 9359), (741, 9377), (762, 9416), (812, 9533), (824, 9563), (829, 9575),

Gene: L5_14 Start: 8404, Stop: 9864, Start Num: 127

Candidate Starts for L5_14:

(Start: 127 @8404 has 330 MA's), (Start: 143 @8425 has 5 MA's), (182, 8464), (233, 8569), (365, 8851), (382, 8884), (438, 8956), (489, 9040), (534, 9112), (545, 9139), (547, 9142), (549, 9145), (563, 9166), (682, 9379), (721, 9484), (735, 9511), (743, 9532), (757, 9559), (762, 9568), (812, 9685), (824, 9715), (842, 9745), (857, 9760), (867, 9769),

Gene: LBerry_14 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for LBerry_14:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: LHTSCC_12 Start: 8555, Stop: 10006, Start Num: 124

Candidate Starts for LHTSCC_12:

(Start: 124 @8555 has 299 MA's), (233, 8714), (316, 8882), (324, 8912), (343, 8951), (352, 8969), (382, 9029), (476, 9158), (482, 9176), (545, 9287), (549, 9293), (563, 9314), (566, 9320), (599, 9389), (642, 9449), (710, 9620), (711, 9623), (735, 9674), (737, 9680), (743, 9695), (757, 9725), (798, 9815), (812, 9851), (816, 9863), (824, 9881), (845, 9911),

Gene: LadyAstra_3 Start: 2290, Stop: 3654, Start Num: 148

Candidate Starts for LadyAstra_3:

(Start: 148 @2290 has 57 MA's), (215, 2404), (Start: 222 @2413 has 4 MA's), (535, 2956), (548, 2986), (663, 3175), (699, 3253), (789, 3472), (799, 3481), (828, 3559),

Gene: LadyBird_13 Start: 9194, Stop: 10654, Start Num: 127

Candidate Starts for LadyBird_13:

(Start: 127 @9194 has 330 MA's), (182, 9254), (233, 9359), (324, 9557), (365, 9641), (382, 9674), (466, 9785), (534, 9902), (545, 9929), (549, 9935), (563, 9956), (566, 9962), (587, 10007), (735, 10301), (741, 10319), (743, 10322), (757, 10349), (762, 10358), (812, 10475), (824, 10505), (842, 10535), (867, 10559),

Gene: Lambert1_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Lambert1_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Lamina13_12 Start: 8284, Stop: 9726, Start Num: 158

Candidate Starts for Lamina13_12:

(109, 8218), (Start: 158 @8284 has 220 MA's), (263, 8482), (365, 8695), (482, 8890), (489, 8902), (545, 9001), (667, 9196), (682, 9235), (710, 9313), (712, 9319), (735, 9367), (739, 9379), (743, 9388), (785, 9478), (824, 9568), (845, 9601), (857, 9613),

Gene: Landor_14 Start: 10977, Stop: 12431, Start Num: 127

Candidate Starts for Landor_14:

(Start: 127 @10977 has 330 MA's), (182, 11037), (233, 11142), (298, 11256), (329, 11352), (355, 11406), (365, 11424), (534, 11685), (545, 11712), (547, 11715), (549, 11718), (563, 11739), (587, 11790), (735, 12084), (741, 12102), (757, 12132), (762, 12141), (787, 12201), (802, 12228), (812, 12258), (824, 12288), (842, 12318), (867, 12342),

Gene: Lannister_8 Start: 4063, Stop: 5496, Start Num: 155

Candidate Starts for Lannister_8:

(Start: 142 @4054 has 1 MA's), (Start: 144 @4057 has 15 MA's), (Start: 155 @4063 has 140 MA's), (Start: 222 @4180 has 4 MA's), (246, 4228), (266, 4279), (328, 4432), (412, 4546), (444, 4588), (458, 4615), (530, 4741), (534, 4753), (579, 4846), (629, 4924), (645, 4969), (669, 5026), (773, 5263), (908, 5482),

Gene: LappelDuVide_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for LappelDuVide_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Larenn_14 Start: 9490, Stop: 10953, Start Num: 127

Candidate Starts for Larenn_14:

(Start: 127 @9490 has 330 MA's), (182, 9550), (229, 9643), (233, 9655), (365, 9937), (484, 10117), (489, 10126), (534, 10198), (545, 10225), (549, 10231), (563, 10252), (687, 10480), (735, 10597), (741, 10615), (743, 10618), (757, 10645), (762, 10654), (812, 10771), (824, 10801), (842, 10831), (867, 10855),

Gene: LarryKay_14 Start: 8740, Stop: 10194, Start Num: 124

Candidate Starts for LarryKay_14:

(Start: 124 @8740 has 299 MA's), (Start: 157 @8770 has 14 MA's), (182, 8797), (233, 8902), (298, 9016), (320, 9082), (343, 9139), (382, 9217), (384, 9220), (482, 9361), (545, 9472), (549, 9478), (563, 9499), (663, 9664), (710, 9790), (735, 9844), (737, 9850), (743, 9865), (762, 9901), (802, 9988), (812, 10018), (824, 10048), (857, 10093), (867, 10102),

Gene: Larva_7 Start: 2529, Stop: 4067, Start Num: 83

Candidate Starts for Larva_7:

(Start: 83 @2529 has 142 MA's), (175, 2631), (182, 2640), (201, 2694), (248, 2778), (253, 2790), (266, 2820), (281, 2838), (305, 2889), (319, 2925), (326, 2949), (327, 2952), (359, 3006), (369, 3027), (414, 3102), (428, 3123), (444, 3153), (473, 3198), (495, 3252), (522, 3297), (537, 3330), (555, 3366), (558, 3372), (624, 3435), (635, 3453), (666, 3531), (670, 3543), (672, 3546), (677, 3561), (701, 3606), (702, 3621), (709, 3642), (711, 3648), (734, 3696), (735, 3699), (741, 3717), (749, 3732), (780, 3798), (787, 3813), (803, 3834), (813, 3870), (828, 3906), (899, 3993),

Gene: Lasker_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for Lasker_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: LastHope_9 Start: 3053, Stop: 4603, Start Num: 83

Candidate Starts for LastHope_9:

(Start: 75 @3038 has 32 MA's), (Start: 83 @3053 has 142 MA's), (175, 3149), (182, 3158), (195, 3188), (Start: 222 @3239 has 4 MA's), (232, 3263), (248, 3296), (252, 3305), (305, 3407), (314, 3428), (319, 3443), (324, 3464), (362, 3533), (369, 3548), (388, 3587), (428, 3644), (433, 3653), (501, 3785), (522, 3818), (537, 3851), (546, 3872), (558, 3893), (575, 3923), (635, 3974), (666, 4052), (667, 4055), (670, 4064), (672, 4067), (676, 4079), (677, 4082), (682, 4094), (699, 4118), (741, 4235), (785, 4328), (787, 4331), (803, 4352), (811, 4376), (812, 4379), (813, 4388), (857, 4463), (877, 4484), (899, 4511),

Gene: LastJedi_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for LastJedi_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560),

Gene: LastNadiia_8 Start: 5135, Stop: 6613, Start Num: 126

Candidate Starts for LastNadiia_8:

(Start: 126 @5135 has 23 MA's), (204, 5261), (224, 5282), (326, 5507), (328, 5513), (357, 5561), (452, 5696), (525, 5810), (532, 5825), (549, 5864), (602, 5975), (658, 6050), (666, 6068), (667, 6071), (687, 6125), (702, 6164), (735, 6242), (811, 6410), (818, 6428), (845, 6482), (929, 6596),

Gene: LastResort_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for LastResort_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (663, 9310), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544),

(762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: LaterM_9 Start: 3001, Stop: 4554, Start Num: 83

Candidate Starts for LaterM_9:

(38, 2758), (44, 2872), (46, 2899), (Start: 75 @2986 has 32 MA's), (Start: 83 @3001 has 142 MA's), (175, 3103), (182, 3112), (Start: 222 @3193 has 4 MA's), (232, 3217), (248, 3250), (252, 3259), (266, 3292), (305, 3361), (314, 3382), (327, 3424), (362, 3487), (369, 3502), (414, 3577), (428, 3598), (444, 3628), (501, 3739), (522, 3772), (537, 3805), (558, 3847), (575, 3877), (624, 3910), (635, 3928), (666, 4006), (670, 4018), (672, 4021), (676, 4033), (677, 4036), (699, 4072), (711, 4120), (741, 4189), (758, 4219), (787, 4285), (803, 4306), (812, 4333), (813, 4342), (828, 4378), (873, 4432),

Gene: Latretium_3 Start: 2239, Stop: 3597, Start Num: 156

Candidate Starts for Latretium_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: Lauchelly_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Lauchelly_3:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (247, 2045), (255, 2066), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (383, 2315), (385, 2318), (405, 2345), (426, 2363), (434, 2375), (443, 2387), (489, 2459), (498, 2468), (552, 2570), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737, 2930), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (821, 3122), (825, 3134), (839, 3164), (857, 3173),

Gene: Lauer_4 Start: 2631, Stop: 4064, Start Num: 159

Candidate Starts for Lauer_4:

(Start: 159 @2631 has 63 MA's), (184, 2655), (Start: 193 @2676 has 1 MA's), (255, 2799), (257, 2805), (276, 2841), (302, 2877), (306, 2895), (319, 2928), (326, 2952), (365, 3021), (382, 3054), (489, 3210), (525, 3261), (537, 3291), (549, 3315), (574, 3357), (602, 3426), (618, 3444), (645, 3492), (674, 3564), (741, 3735), (762, 3768), (787, 3828), (798, 3849), (811, 3882), (835, 3942), (836, 3945), (923, 4056),

Gene: Lavahound_7 Start: 2617, Stop: 4170, Start Num: 83

Candidate Starts for Lavahound_7:

(44, 2485), (46, 2512), (Start: 75 @2602 has 32 MA's), (Start: 83 @2617 has 142 MA's), (175, 2716), (182, 2725), (Start: 222 @2806 has 4 MA's), (232, 2830), (248, 2863), (281, 2923), (305, 2974), (314, 2995), (319, 3010), (362, 3100), (369, 3115), (414, 3190), (428, 3211), (441, 3235), (479, 3304), (495, 3340), (501, 3352), (522, 3385), (537, 3418), (546, 3439), (558, 3460), (575, 3490), (624, 3523), (635, 3541), (645, 3571), (666, 3619), (670, 3631), (672, 3634), (676, 3646), (677, 3649), (687, 3676), (711, 3733), (741, 3802), (751, 3823), (787, 3898), (803, 3919), (812, 3946), (813, 3955), (828, 3991),

Gene: Lawnathon_4 Start: 2276, Stop: 3613, Start Num: 155

Candidate Starts for Lawnathon_4:

(68, 2153), (Start: 69 @2156 has 1 MA's), (89, 2195), (92, 2198), (Start: 140 @2264 has 4 MA's), (Start: 155 @2276 has 140 MA's), (188, 2318), (190, 2324), (224, 2387), (229, 2399), (305, 2558), (353, 2657), (382, 2714), (418, 2762), (432, 2777), (460, 2822), (480, 2858), (498, 2885), (541, 2966),

(549, 2978), (551, 2981), (565, 3005), (585, 3047), (667, 3173), (687, 3227), (710, 3290), (713, 3299), (734, 3341), (738, 3353), (758, 3392), (778, 3434), (787, 3458), (824, 3539), (825, 3542), (828, 3548), (877, 3599),

Gene: LeBron_5 Start: 2626, Stop: 4299, Start Num: 131

Candidate Starts for LeBron_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4264),

Gene: LeBruni_4 Start: 2273, Stop: 3610, Start Num: 155

Candidate Starts for LeBruni_4:

(68, 2153), (Start: 69 @2156 has 1 MA's), (92, 2198), (Start: 102 @2210 has 24 MA's), (Start: 129 @2246 has 6 MA's), (Start: 140 @2261 has 4 MA's), (Start: 155 @2273 has 140 MA's), (188, 2315), (190, 2321), (224, 2384), (229, 2396), (316, 2582), (353, 2654), (382, 2711), (418, 2759), (477, 2846), (480, 2855), (489, 2873), (498, 2882), (541, 2963), (549, 2975), (551, 2978), (565, 3002), (585, 3044), (667, 3170), (687, 3224), (710, 3287), (713, 3296), (734, 3338), (738, 3350), (758, 3389), (787, 3455), (824, 3536), (828, 3545), (877, 3596),

Gene: LeMond_8 Start: 2917, Stop: 4461, Start Num: 83

Candidate Starts for LeMond_8:

(46, 2812), (Start: 75 @2902 has 32 MA's), (Start: 83 @2917 has 142 MA's), (116, 2953), (Start: 134 @2971 has 1 MA's), (172, 3016), (182, 3028), (186, 3037), (Start: 222 @3109 has 4 MA's), (232, 3133), (243, 3151), (248, 3166), (252, 3175), (314, 3298), (319, 3313), (326, 3337), (327, 3340), (369, 3418), (388, 3457), (414, 3493), (428, 3514), (450, 3553), (476, 3598), (495, 3643), (500, 3652), (522, 3688), (537, 3721), (546, 3742), (558, 3763), (575, 3793), (624, 3826), (635, 3844), (666, 3922), (670, 3934), (672, 3937), (676, 3949), (677, 3952), (734, 4084), (735, 4087), (741, 4105), (767, 4147), (780, 4186), (785, 4198), (803, 4222), (811, 4246), (812, 4249), (813, 4258), (828, 4294), (899, 4381),

Gene: Lea83_8 Start: 2923, Stop: 4488, Start Num: 83

Candidate Starts for Lea83_8:

(58, 2890), (Start: 83 @2923 has 142 MA's), (175, 3028), (182, 3037), (189, 3052), (232, 3142), (248, 3175), (253, 3187), (266, 3217), (305, 3286), (319, 3322), (327, 3349), (356, 3400), (362, 3409), (369, 3424), (414, 3499), (423, 3514), (428, 3520), (433, 3529), (441, 3544), (473, 3595), (501, 3661), (522, 3694), (527, 3700), (537, 3727), (546, 3748), (558, 3769), (624, 3832), (635, 3850), (666, 3928), (670, 3940), (672, 3943), (677, 3958), (709, 4039), (711, 4045), (734, 4093), (741, 4114), (803, 4231), (812, 4258), (813, 4267), (828, 4303),

Gene: Lebo14_10 Start: 3920, Stop: 5521, Start Num: 75

Candidate Starts for Lebo14_10:

(Start: 75 @3920 has 32 MA's), (Start: 81 @3935 has 28 MA's), (Start: 101 @3959 has 1 MA's), (Start: 154 @4025 has 46 MA's), (186, 4070), (Start: 222 @4142 has 4 MA's), (248, 4199), (252, 4208), (253, 4211), (266, 4241), (305, 4310), (314, 4331), (324, 4367), (327, 4373), (345, 4397), (362, 4433), (369, 4448), (388, 4487), (476, 4622), (479, 4631), (488, 4649), (500, 4676), (501, 4679), (522, 4712), (537, 4745), (546, 4766), (558, 4787), (624, 4850), (637, 4874), (645, 4898), (666, 4946), (670, 4958), (675, 4970), (677, 4976), (697, 5015), (739, 5129), (741, 5135), (803, 5306), (812, 5333), (813, 5342), (845, 5405), (857, 5417),

Gene: Legacy_7 Start: 4061, Stop: 5503, Start Num: 155

Candidate Starts for Legacy_7:

(Start: 142 @4052 has 1 MA's), (Start: 144 @4055 has 15 MA's), (Start: 155 @4061 has 140 MA's), (Start: 222 @4178 has 4 MA's), (246, 4226), (412, 4544), (444, 4586), (458, 4613), (477, 4646), (530, 4739), (534, 4751), (579, 4844), (629, 4922), (645, 4967), (669, 5024), (678, 5048), (773, 5261), (908, 5489),

Gene: Lego_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Lego_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Lemur_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Lemur_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Lemuria_3 Start: 1956, Stop: 3443, Start Num: 105

Candidate Starts for Lemuria_3:

(48, 1821), (Start: 105 @1956 has 79 MA's), (200, 2091), (246, 2166), (315, 2316), (320, 2331), (382, 2448), (388, 2457), (496, 2607), (514, 2634), (545, 2700), (549, 2706), (559, 2724), (599, 2811), (614, 2826), (649, 2883), (666, 2925), (674, 2946), (703, 3027), (729, 3090), (735, 3102), (789, 3228),

Gene: LeoAvram_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for LeoAvram_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Leogania_15 Start: 11359, Stop: 12822, Start Num: 127

Candidate Starts for Leogania_15:

(Start: 127 @11359 has 330 MA's), (182, 11419), (233, 11524), (324, 11722), (365, 11806), (382, 11839), (534, 12067), (545, 12094), (549, 12100), (563, 12121), (566, 12127), (587, 12172), (735, 12466), (741, 12484), (743, 12487), (757, 12514), (762, 12523), (812, 12640), (824, 12670), (842, 12700), (867, 12724),

Gene: Leozinho_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Leozinho_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Leperchaun_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Leperchaun_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575,

2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Leroy_4 Start: 2192, Stop: 3628, Start Num: 123

Candidate Starts for Leroy_4:

(Start: 123 @2192 has 47 MA's), (194, 2282), (Start: 222 @2333 has 4 MA's), (224, 2336), (270, 2441), (301, 2483), (312, 2513), (319, 2537), (329, 2570), (468, 2777), (532, 2879), (534, 2885), (542, 2909), (556, 2930), (559, 2936), (575, 2963), (583, 2981), (596, 3014), (632, 3065), (649, 3095), (671, 3149), (682, 3179), (696, 3209), (741, 3332), (780, 3425), (787, 3440), (813, 3503), (860, 3563), (883, 3590),

Gene: Lesedi_11 Start: 8443, Stop: 9885, Start Num: 158

Candidate Starts for Lesedi_11:

(109, 8377), (Start: 158 @8443 has 220 MA's), (263, 8641), (365, 8854), (482, 9049), (489, 9061), (545, 9160), (584, 9232), (667, 9355), (682, 9394), (710, 9472), (712, 9478), (735, 9526), (739, 9538), (743, 9547), (785, 9637), (824, 9727), (845, 9760), (857, 9772),

Gene: Leston_7 Start: 2791, Stop: 4326, Start Num: 83

Candidate Starts for Leston_7:

(Start: 83 @2791 has 142 MA's), (Start: 154 @2863 has 46 MA's), (182, 2899), (186, 2908), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (327, 3211), (356, 3262), (359, 3265), (362, 3271), (369, 3286), (370, 3289), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (555, 3625), (557, 3628), (558, 3631), (624, 3694), (635, 3712), (637, 3718), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: Lev2_10 Start: 7756, Stop: 9189, Start Num: 127

Candidate Starts for Lev2_10:

(Start: 127 @7756 has 330 MA's), (247, 7924), (252, 7939), (255, 7945), (329, 8113), (343, 8140), (382, 8218), (449, 8299), (488, 8371), (489, 8374), (534, 8446), (549, 8479), (563, 8500), (577, 8530), (605, 8575), (710, 8791), (735, 8845), (741, 8863), (762, 8902), (812, 9019), (824, 9049), (842, 9079), (867, 9103),

Gene: Levia_12 Start: 9471, Stop: 10913, Start Num: 158

Candidate Starts for Levia_12:

(109, 9405), (Start: 158 @9471 has 220 MA's), (263, 9669), (365, 9882), (482, 10077), (489, 10089), (545, 10188), (667, 10383), (682, 10422), (710, 10500), (712, 10506), (735, 10554), (739, 10566), (743, 10575), (762, 10608), (785, 10665), (824, 10755), (845, 10788), (857, 10800),

Gene: Leviathan_15 Start: 9667, Stop: 11127, Start Num: 127

Candidate Starts for Leviathan_15:

(Start: 127 @9667 has 330 MA's), (182, 9727), (233, 9832), (324, 10030), (365, 10114), (382, 10147), (482, 10291), (534, 10375), (545, 10402), (549, 10408), (563, 10429), (566, 10435), (587, 10480), (735, 10774), (741, 10792), (743, 10795), (757, 10822), (762, 10831), (812, 10948), (824, 10978), (842, 11008), (867, 11032),

Gene: Leviosa_3 Start: 1888, Stop: 3213, Start Num: 154

Candidate Starts for Leviosa_3:

(Start: 154 @1888 has 46 MA's), (Start: 157 @1894 has 14 MA's), (164, 1903), (181, 1921), (191, 1942), (216, 1993), (224, 2002), (225, 2008), (242, 2035), (247, 2047), (255, 2068), (258, 2077), (298, 2128), (301, 2137), (314, 2176), (316, 2182), (322, 2203), (324, 2212), (383, 2317), (385, 2320), (405, 2347), (424, 2362), (426, 2365), (434, 2377), (488, 2458), (489, 2461), (498, 2470), (542, 2557), (545,

2560), (552, 2572), (574, 2608), (577, 2617), (598, 2650), (599, 2653), (602, 2659), (614, 2668), (618, 2677), (649, 2710), (667, 2755), (674, 2773), (702, 2848), (710, 2872), (737, 2932), (762, 2986), (767, 2992), (785, 3043), (808, 3091), (809, 3094), (811, 3100), (812, 3103), (813, 3109), (818, 3118), (824, 3133), (825, 3136), (839, 3166),

Gene: Leviticus_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Leviticus_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: Lewan_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Lewan_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (196, 2734), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Licorice_14 Start: 9300, Stop: 10742, Start Num: 158

Candidate Starts for Licorice_14:

(109, 9234), (Start: 158 @9300 has 220 MA's), (263, 9498), (365, 9711), (482, 9906), (489, 9918), (545, 10017), (667, 10212), (682, 10251), (710, 10329), (712, 10335), (735, 10383), (739, 10395), (743, 10404), (785, 10494), (824, 10584), (845, 10617), (857, 10629),

Gene: Liebe_3 Start: 2290, Stop: 3813, Start Num: 148

Candidate Starts for Liebe_3:

(Start: 148 @2290 has 57 MA's), (Start: 154 @2296 has 46 MA's), (162, 2311), (199, 2374), (Start: 222 @2413 has 4 MA's), (444, 2800), (495, 2890), (548, 2986), (663, 3175), (675, 3205), (682, 3223), (699, 3253), (705, 3283), (789, 3472), (799, 3481), (913, 3652), (935, 3697), (946, 3757),

Gene: Liefie_3 Start: 1887, Stop: 3401, Start Num: 105

Candidate Starts for Liefie_3:

(14, 1320), (24, 1488), (26, 1503), (39, 1632), (Start: 105 @1887 has 79 MA's), (161, 1950), (164, 1953), (173, 1962), (246, 2094), (315, 2241), (316, 2244), (362, 2334), (382, 2373), (454, 2466), (494, 2529), (532, 2592), (549, 2631), (574, 2673), (591, 2718), (602, 2742), (614, 2751), (649, 2808), (666, 2850), (673, 2868), (674, 2871), (735, 3027), (789, 3153), (811, 3204),

Gene: Lika_7 Start: 4060, Stop: 5496, Start Num: 155

Candidate Starts for Lika_7:

(Start: 144 @4054 has 15 MA's), (Start: 155 @4060 has 140 MA's), (174, 4084), (188, 4108), (Start: 222 @4177 has 4 MA's), (246, 4225), (266, 4276), (361, 4459), (412, 4543), (444, 4585), (530, 4741), (534, 4753), (579, 4846), (629, 4924), (645, 4969), (669, 5026), (678, 5050), (760, 5239), (773, 5263), (908, 5482),

Gene: LilBandit_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for LilBandit_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (539,

2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (682, 2792), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: LilBib_13 Start: 9243, Stop: 10685, Start Num: 158

Candidate Starts for LilBib_13:

(109, 9177), (Start: 158 @9243 has 220 MA's), (263, 9441), (365, 9654), (482, 9849), (489, 9861), (545, 9960), (667, 10155), (682, 10194), (710, 10272), (712, 10278), (734, 10323), (735, 10326), (739, 10338), (743, 10347), (785, 10437), (824, 10527), (845, 10560), (857, 10572),

Gene: LilDestine_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for LilDestine_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: LilDirt_6 Start: 2528, Stop: 4066, Start Num: 83

Candidate Starts for LilDirt_6:

(Start: 83 @2528 has 142 MA's), (175, 2630), (182, 2639), (201, 2693), (248, 2777), (253, 2789), (266, 2819), (281, 2837), (305, 2888), (319, 2924), (326, 2948), (327, 2951), (359, 3005), (369, 3026), (414, 3101), (428, 3122), (444, 3152), (473, 3197), (495, 3251), (522, 3296), (537, 3329), (555, 3365), (558, 3371), (624, 3434), (635, 3452), (666, 3530), (670, 3542), (672, 3545), (677, 3560), (701, 3605), (702, 3620), (709, 3641), (711, 3647), (734, 3695), (735, 3698), (741, 3716), (749, 3731), (780, 3797), (787, 3812), (803, 3833), (813, 3869), (828, 3905), (899, 3992),

Gene: LilJank_13 Start: 6314, Stop: 7813, Start Num: 102

Candidate Starts for LilJank_13:

(Start: 102 @6314 has 24 MA's), (Start: 140 @6368 has 4 MA's), (174, 6410), (182, 6428), (190, 6446), (Start: 222 @6509 has 4 MA's), (237, 6539), (239, 6542), (244, 6548), (252, 6572), (263, 6599), (305, 6677), (367, 6794), (374, 6809), (402, 6851), (408, 6860), (469, 6929), (495, 6986), (501, 6998), (536, 7061), (537, 7064), (541, 7076), (579, 7148), (603, 7181), (620, 7190), (634, 7211), (678, 7316), (702, 7376), (713, 7409), (720, 7424), (741, 7472), (748, 7484), (758, 7502), (773, 7529), (789, 7574), (794, 7580), (808, 7607), (811, 7616), (828, 7664), (846, 7688), (915, 7772),

Gene: LilMoolah_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for LilMoolah_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: LilPharaoh_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for LilPharaoh_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624,

3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: LilSpotty_3 Start: 1782, Stop: 3245, Start Num: 110

Candidate Starts for LilSpotty_3:

(Start: 110 @1782 has 11 MA's), (Start: 140 @1818 has 4 MA's), (Start: 154 @1833 has 46 MA's), (185, 1872), (188, 1878), (190, 1884), (192, 1887), (233, 1971), (240, 1980), (246, 1992), (247, 1995), (255, 2016), (294, 2070), (301, 2085), (302, 2088), (308, 2109), (316, 2130), (353, 2202), (368, 2232), (425, 2307), (435, 2322), (459, 2364), (468, 2373), (488, 2409), (496, 2418), (498, 2421), (549, 2517), (583, 2580), (587, 2589), (628, 2652), (649, 2706), (667, 2751), (709, 2865), (710, 2868), (725, 2904), (740, 2937), (767, 2985), (787, 3039), (798, 3060), (824, 3126), (837, 3153), (853, 3162), (856, 3165), (863, 3174), (906, 3222),

Gene: LilTurb_15 Start: 9694, Stop: 11154, Start Num: 127

Candidate Starts for LilTurb_15:

(Start: 127 @9694 has 330 MA's), (182, 9754), (233, 9859), (324, 10057), (365, 10141), (382, 10174), (482, 10318), (534, 10402), (545, 10429), (549, 10435), (563, 10456), (566, 10462), (587, 10507), (735, 10801), (741, 10819), (743, 10822), (757, 10849), (762, 10858), (812, 10975), (824, 11005), (842, 11035), (867, 11059),

Gene: Lilas_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for Lilas_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Lilbit_35 Start: 12860, Stop: 14425, Start Num: 76

Candidate Starts for Lilbit_35:

(Start: 76 @12860 has 19 MA's), (165, 12977), (231, 13097), (255, 13142), (258, 13151), (308, 13241), (323, 13289), (324, 13292), (353, 13334), (355, 13337), (368, 13361), (423, 13433), (425, 13436), (450, 13475), (460, 13496), (462, 13499), (488, 13544), (539, 13634), (542, 13643), (549, 13652), (574, 13694), (575, 13697), (592, 13736), (619, 13778), (625, 13784), (628, 13787), (647, 13832), (674, 13901), (710, 14000), (714, 14012), (763, 14111), (789, 14177), (802, 14198), (807, 14213), (856, 14306), (870, 14321),

Gene: Lilbunny_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for Lilbunny_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: LilhomieP_14 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for LilhomieP_14:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: Lilith_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for Lilith_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Lilleskat_12 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for Lilleskat_12:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (266, 10130), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (566, 10664), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Lillie_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Lillie_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: LilyBell_3 Start: 2383, Stop: 3762, Start Num: 145

Candidate Starts for LilyBell_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (353, 2779), (419, 2890), (432, 2899), (476, 2980), (484, 3001), (507, 3040), (513, 3049), (537, 3097), (569, 3154), (657, 3313), (672, 3346), (695, 3400), (735, 3502), (787, 3604), (789, 3610), (884, 3754),

Gene: LindNT_9 Start: 2980, Stop: 4548, Start Num: 75

Candidate Starts for LindNT_9:

(46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (266, 3283), (305, 3352), (314, 3373), (326, 3412), (369, 3496), (414, 3571), (428, 3592), (458, 3646), (522, 3766), (537, 3799), (546, 3820), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: LionsBait_14 Start: 10970, Stop: 12430, Start Num: 127

Candidate Starts for LionsBait_14:

(Start: 127 @10970 has 330 MA's), (182, 11030), (233, 11135), (324, 11333), (365, 11417), (382, 11450), (466, 11561), (534, 11678), (545, 11705), (549, 11711), (563, 11732), (566, 11738), (587, 11783), (735, 12077), (741, 12095), (743, 12098), (757, 12125), (762, 12134), (812, 12251), (824, 12281), (842, 12311), (867, 12335),

Gene: LisoBros_3 Start: 1958, Stop: 3604, Start Num: 123

Candidate Starts for LisoBros_3:

(Start: 123 @1958 has 47 MA's), (173, 2009), (182, 2018), (197, 2054), (229, 2111), (236, 2123), (240, 2129), (332, 2339), (348, 2360), (365, 2390), (369, 2399), (370, 2402), (395, 2441), (442, 2501), (449, 2504), (477, 2546), (496, 2579), (532, 2639), (542, 2669), (574, 2720), (575, 2723), (614, 2798), (643, 2843), (655, 2870), (658, 2876), (666, 2894), (670, 2906), (674, 2915), (702, 2990), (710, 3014), (731, 3059), (740, 3083), (749, 3107), (757, 3119), (762, 3128), (787, 3188), (921, 3413),

Gene: LitninMcQueen_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for LitninMcQueen_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: LittleB_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for LittleB_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: LittleCherry_10 Start: 7940, Stop: 9373, Start Num: 127

Candidate Starts for LittleCherry_10:

(Start: 127 @7940 has 330 MA's), (241, 8096), (247, 8108), (252, 8123), (255, 8129), (329, 8297), (343, 8324), (382, 8402), (449, 8483), (488, 8555), (489, 8558), (534, 8630), (549, 8663), (563, 8684), (573, 8702), (577, 8714), (605, 8759), (710, 8975), (735, 9029), (741, 9047), (762, 9086), (812, 9203), (824, 9233), (842, 9263), (867, 9287),

Gene: LittleGuy_12 Start: 8521, Stop: 9975, Start Num: 124

Candidate Starts for LittleGuy_12:

(Start: 124 @8521 has 299 MA's), (229, 8671), (233, 8683), (316, 8851), (324, 8881), (343, 8920), (352, 8938), (382, 8998), (482, 9145), (489, 9157), (545, 9256), (549, 9262), (563, 9283), (566, 9289), (599, 9358), (642, 9418), (663, 9463), (710, 9589), (711, 9592), (735, 9643), (743, 9664), (757, 9694), (798, 9784), (812, 9820), (824, 9850), (845, 9880),

Gene: LittleLaf_36 Start: 12589, Stop: 14154, Start Num: 76

Candidate Starts for LittleLaf_36:

(Start: 76 @12589 has 19 MA's), (165, 12706), (231, 12826), (255, 12871), (258, 12880), (308, 12970), (323, 13018), (324, 13021), (353, 13063), (355, 13066), (368, 13090), (423, 13162), (425, 13165), (450, 13204), (460, 13225), (462, 13228), (488, 13273), (539, 13363), (542, 13372), (549, 13381), (574, 13423), (575, 13426), (592, 13465), (619, 13507), (625, 13513), (628, 13516), (647, 13561), (674, 13630), (710, 13729), (714, 13741), (763, 13840), (789, 13906), (802, 13927), (807, 13942), (856, 14035), (870, 14050),

Gene: LittleRon_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for LittleRon_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (537, 3082), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (722, 3463), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: LittleShirley_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for LittleShirley_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (735, 3298), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: LiyuLake_6 Start: 2759, Stop: 4402, Start Num: 131

Candidate Starts for LiyuLake_6:

(Start: 131 @2759 has 70 MA's), (178, 2819), (253, 2969), (266, 2999), (305, 3071), (328, 3137), (367, 3185), (441, 3278), (469, 3317), (492, 3374), (495, 3380), (510, 3407), (517, 3416), (527, 3431), (638, 3620), (668, 3692), (684, 3734), (767, 3917), (782, 3959), (799, 3986), (803, 3995), (824, 4055), (840, 4085), (849, 4094), (908, 4169), (925, 4202),

Gene: Lizalica_3 Start: 2267, Stop: 3640, Start Num: 148

Candidate Starts for Lizalica_3:

(Start: 148 @2267 has 57 MA's), (Start: 222 @2387 has 4 MA's), (266, 2486), (290, 2525), (421, 2750), (484, 2843), (548, 2960), (580, 3023), (678, 3188), (699, 3227), (705, 3257), (713, 3281), (799, 3455), (864, 3575),

Gene: Lizz_9 Start: 4504, Stop: 6054, Start Num: 102

Candidate Starts for Lizz_9:

(65, 4444), (78, 4468), (Start: 102 @4504 has 24 MA's), (Start: 179 @4600 has 2 MA's), (189, 4621), (190, 4624), (196, 4636), (206, 4666), (226, 4696), (249, 4741), (275, 4792), (296, 4846), (333, 4921), (335, 4924), (362, 4957), (365, 4963), (479, 5131), (486, 5140), (545, 5254), (551, 5263), (624, 5395), (632, 5407), (649, 5452), (659, 5476), (667, 5497), (672, 5509), (675, 5518), (683, 5542), (734, 5671), (737, 5680), (812, 5854), (836, 5905), (854, 5923), (864, 5935),

Gene: Lizziana_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Lizziana_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Llama_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for Llama_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Llij_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Llij_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Llorens_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Llorens_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522,

3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Loadrie_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Loadrie_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: LochMonster_12 Start: 8553, Stop: 10004, Start Num: 124

Candidate Starts for LochMonster_12:

(Start: 124 @8553 has 299 MA's), (229, 8700), (233, 8712), (316, 8880), (324, 8910), (343, 8949), (352, 8967), (382, 9027), (476, 9156), (482, 9174), (545, 9285), (549, 9291), (563, 9312), (566, 9318), (599, 9387), (642, 9447), (663, 9492), (710, 9618), (711, 9621), (735, 9672), (737, 9678), (743, 9693), (757, 9723), (798, 9813), (812, 9849), (824, 9879), (845, 9909),

Gene: Lockley_12 Start: 8622, Stop: 10064, Start Num: 158

Candidate Starts for Lockley_12:

(109, 8556), (Start: 158 @8622 has 220 MA's), (263, 8820), (365, 9033), (482, 9228), (489, 9240), (545, 9339), (667, 9534), (682, 9573), (710, 9651), (712, 9657), (734, 9702), (735, 9705), (739, 9717), (743, 9726), (762, 9759), (785, 9816), (824, 9906), (845, 9939), (857, 9951),

Gene: LogiBear_16 Start: 9091, Stop: 10548, Start Num: 127

Candidate Starts for LogiBear_16:

(Start: 127 @9091 has 330 MA's), (166, 9133), (182, 9151), (233, 9256), (365, 9538), (489, 9730), (534, 9802), (545, 9829), (549, 9835), (560, 9853), (563, 9856), (605, 9931), (663, 10021), (720, 10171), (735, 10201), (743, 10222), (757, 10249), (762, 10258), (812, 10375), (824, 10405), (842, 10435), (857, 10450), (867, 10459),

Gene: Lokk_16 Start: 10919, Stop: 12376, Start Num: 127

Candidate Starts for Lokk_16:

(Start: 127 @10919 has 330 MA's), (182, 10979), (Start: 193 @11003 has 1 MA's), (229, 11072), (233, 11084), (329, 11294), (343, 11321), (365, 11366), (432, 11459), (489, 11555), (534, 11627), (545, 11654), (549, 11660), (563, 11681), (587, 11732), (735, 12026), (741, 12044), (749, 12062), (757, 12074), (762, 12083), (798, 12164), (802, 12170), (812, 12200), (816, 12212), (824, 12230), (842, 12260),

Gene: Lollipop1437_30 Start: 15534, Stop: 17117, Start Num: 120

Candidate Starts for Lollipop1437_30:

(Start: 120 @15534 has 6 MA's), (Start: 127 @15543 has 330 MA's), (182, 15621), (305, 15888), (353, 16002), (529, 16272), (570, 16356), (576, 16371), (581, 16386), (633, 16467), (684, 16608), (722, 16707), (735, 16731), (738, 16740), (759, 16800), (788, 16866), (799, 16884), (803, 16893), (818, 16938),

Gene: Lolly9_6 Start: 2762, Stop: 4405, Start Num: 131

Candidate Starts for Lolly9_6:

(Start: 131 @2762 has 70 MA's), (178, 2822), (249, 2963), (253, 2972), (266, 3002), (305, 3074), (328, 3140), (367, 3188), (441, 3281), (469, 3320), (492, 3377), (495, 3383), (501, 3395), (510, 3410), (517, 3419), (527, 3434), (638, 3623), (652, 3656), (668, 3695), (684, 3737), (767, 3920), (782, 3962), (799,

3989), (803, 3998), (824, 4058), (840, 4088), (849, 4097), (908, 4172), (925, 4205),

Gene: London_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for London_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: LoneWolf_14 Start: 9740, Stop: 11221, Start Num: 127

Candidate Starts for LoneWolf_14:

(Start: 127 @9740 has 330 MA's), (182, 9803), (233, 9908), (298, 10022), (329, 10118), (365, 10190), (382, 10223), (482, 10367), (508, 10403), (514, 10412), (534, 10451), (545, 10478), (549, 10484), (560, 10502), (563, 10505), (587, 10556), (605, 10580), (624, 10595), (735, 10850), (741, 10868), (757, 10898), (762, 10907), (810, 11018), (812, 11024), (824, 11054), (857, 11099), (867, 11108),

Gene: LonelyBoi_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for LonelyBoi_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (298, 2557), (314, 2605), (421, 2779), (442, 2815), (484, 2884), (488, 2890), (489, 2893), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (709, 3337), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: LongHai_7 Start: 3761, Stop: 5284, Start Num: 123

Candidate Starts for LongHai_7:

(70, 3677), (Start: 123 @3761 has 47 MA's), (139, 3776), (182, 3818), (229, 3911), (233, 3923), (257, 3971), (263, 3986), (296, 4049), (298, 4061), (303, 4076), (320, 4127), (324, 4145), (382, 4256), (549, 4520), (585, 4589), (601, 4628), (695, 4790), (705, 4829), (734, 4895), (740, 4913), (787, 5006), (791, 5015), (795, 5021),

Gene: Loofah_8 Start: 3938, Stop: 5407, Start Num: 155

Candidate Starts for Loofah_8:

(Start: 155 @3938 has 140 MA's), (Start: 222 @4055 has 4 MA's), (246, 4103), (249, 4115), (266, 4154), (305, 4247), (408, 4412), (412, 4418), (534, 4625), (573, 4700), (579, 4718), (583, 4730), (585, 4736), (588, 4742), (645, 4883), (667, 4934), (669, 4940), (701, 5009), (712, 5054), (741, 5120), (773, 5177), (812, 5267), (827, 5309), (908, 5393),

Gene: Looper_16 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for Looper_16:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (663, 9310), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: Lopton_13 Start: 10050, Stop: 11492, Start Num: 158

Candidate Starts for Lopton_13:

(109, 9984), (Start: 158 @10050 has 220 MA's), (263, 10248), (365, 10461), (482, 10656), (484, 10659), (545, 10767), (584, 10839), (667, 10962), (682, 11001), (710, 11079), (712, 11085), (735, 11133), (739, 11145), (743, 11154), (785, 11244), (824, 11334), (845, 11367), (857, 11379),

Gene: LordVader_4 Start: 2194, Stop: 3615, Start Num: 151

Candidate Starts for LordVader_4:

(Start: 151 @2194 has 63 MA's), (172, 2221), (182, 2233), (246, 2362), (252, 2380), (266, 2413), (305, 2482), (314, 2503), (316, 2509), (319, 2518), (324, 2539), (327, 2545), (345, 2569), (347, 2572), (359, 2599), (381, 2647), (384, 2653), (404, 2680), (415, 2698), (453, 2758), (474, 2791), (495, 2842), (500,

2851), (531, 2902), (534, 2911), (546, 2941), (555, 2956), (557, 2959), (558, 2962), (575, 2992), (670, 3133), (677, 3151), (687, 3178), (697, 3190), (699, 3193), (701, 3199), (702, 3214), (713, 3247), (735, 3292), (767, 3352), (768, 3355), (780, 3391), (782, 3394), (805, 3433), (808, 3442), (809, 3445), (811, 3451), (812, 3454), (813, 3463), (845, 3526), (889, 3574),

Gene: Lorde_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Lorde_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Lorelei_7 Start: 4047, Stop: 5489, Start Num: 144

Candidate Starts for Lorelei_7:

(Start: 144 @4047 has 15 MA's), (Start: 155 @4053 has 140 MA's), (174, 4077), (188, 4101), (Start: 222 @4170 has 4 MA's), (246, 4218), (249, 4230), (266, 4269), (328, 4422), (361, 4452), (412, 4536), (444, 4578), (479, 4644), (530, 4734), (534, 4746), (573, 4821), (579, 4839), (629, 4917), (645, 4962), (669, 5019), (760, 5232), (773, 5256), (827, 5388), (908, 5475),

Gene: Lorenzo_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Lorenzo_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Loser_16 Start: 10998, Stop: 12458, Start Num: 127

Candidate Starts for Loser_16:

(Start: 127 @10998 has 330 MA's), (Start: 155 @11028 has 140 MA's), (182, 11058), (229, 11151), (233, 11163), (365, 11445), (482, 11622), (488, 11631), (534, 11706), (545, 11733), (549, 11739), (563, 11760), (605, 11835), (735, 12105), (741, 12123), (743, 12126), (749, 12141), (757, 12153), (762, 12162), (812, 12279), (824, 12309), (842, 12339), (867, 12363),

Gene: Louie6_14 Start: 8741, Stop: 10195, Start Num: 124

Candidate Starts for Louie6_14:

(Start: 124 @8741 has 299 MA's), (Start: 157 @8771 has 14 MA's), (182, 8798), (233, 8903), (298, 9017), (320, 9083), (343, 9140), (382, 9218), (384, 9221), (482, 9362), (545, 9473), (549, 9479), (563, 9500), (663, 9665), (710, 9791), (735, 9845), (737, 9851), (743, 9866), (762, 9902), (802, 9989), (812, 10019), (824, 10049), (857, 10094), (867, 10103),

Gene: LouisV14_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for LouisV14_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Iowa_14 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for Iowa_14:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Lozinak_31 Start: 10444, Stop: 12060, Start Num: 104

Candidate Starts for Lozinak_31:

(Start: 104 @10444 has 19 MA's), (Start: 143 @10495 has 5 MA's), (Start: 151 @10504 has 63 MA's), (Start: 193 @10564 has 1 MA's), (Start: 222 @10621 has 4 MA's), (240, 10657), (258, 10702), (269, 10729), (365, 10933), (379, 10963), (403, 10999), (431, 11044), (435, 11053), (444, 11068), (532, 11206), (533, 11209), (539, 11227), (541, 11233), (566, 11275), (644, 11467), (675, 11554), (686, 11584), (704, 11629), (722, 11677), (730, 11692), (756, 11755), (769, 11779), (771, 11785), (775, 11794), (806, 11863), (824, 11914), (825, 11917), (829, 11929),

Gene: Luchador_13 Start: 9300, Stop: 10760, Start Num: 127

Candidate Starts for Luchador_13:

(Start: 127 @9300 has 330 MA's), (135, 9312), (182, 9360), (233, 9465), (243, 9477), (266, 9534), (365, 9747), (484, 9927), (534, 10008), (545, 10035), (549, 10041), (560, 10059), (563, 10062), (574, 10083), (587, 10113), (602, 10134), (624, 10152), (657, 10215), (682, 10275), (735, 10407), (743, 10428), (757, 10455), (762, 10464), (787, 10524), (812, 10581), (824, 10611), (842, 10641), (867, 10665),

Gene: Lucia_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Lucia_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Lucivia_13 Start: 9833, Stop: 11290, Start Num: 127

Candidate Starts for Lucivia_13:

(Start: 127 @9833 has 330 MA's), (169, 9878), (182, 9893), (233, 9998), (365, 10280), (382, 10313), (489, 10469), (534, 10541), (545, 10568), (549, 10574), (563, 10595), (587, 10646), (720, 10910), (735, 10940), (743, 10961), (749, 10976), (757, 10988), (762, 10997), (802, 11084), (812, 11114), (824, 11144), (842, 11174), (908, 11240),

Gene: Lucky10_3 Start: 1755, Stop: 3197, Start Num: 126

Candidate Starts for Lucky10_3:

(Start: 126 @1755 has 23 MA's), (173, 1806), (229, 1908), (246, 1938), (255, 1962), (259, 1974), (316, 2088), (428, 2271), (441, 2295), (442, 2298), (468, 2328), (496, 2370), (532, 2427), (556, 2478), (559, 2484), (574, 2508), (583, 2529), (591, 2553), (601, 2574), (649, 2640), (739, 2871), (749, 2898), (762, 2919), (774, 2943), (797, 2997), (807, 3021), (811, 3033), (842, 3102), (880, 3135),

Gene: Lucyedi_14 Start: 9278, Stop: 10750, Start Num: 127

Candidate Starts for Lucyedi_14:

(Start: 127 @9278 has 330 MA's), (182, 9338), (225, 9425), (229, 9431), (233, 9443), (365, 9725), (382, 9758), (482, 9902), (488, 9911), (534, 9986), (542, 10010), (545, 10013), (549, 10019), (563, 10040), (735, 10385), (741, 10403), (743, 10406), (757, 10433), (762, 10442), (812, 10559), (824, 10589), (842, 10619), (857, 10634), (867, 10643), (920, 10703),

Gene: LugYA_16 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for LugYA_16:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Lumos_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Lumos_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: LunaBlu_3 Start: 2239, Stop: 3597, Start Num: 156

Candidate Starts for LunaBlu_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: LunaStella_3 Start: 2233, Stop: 3708, Start Num: 110

Candidate Starts for LunaStella_3:

(Start: 110 @2233 has 11 MA's), (119, 2245), (135, 2266), (Start: 154 @2287 has 46 MA's), (240, 2434), (246, 2446), (253, 2467), (255, 2470), (298, 2530), (305, 2557), (308, 2563), (316, 2584), (348, 2656), (352, 2659), (353, 2662), (355, 2668), (368, 2692), (378, 2710), (407, 2752), (423, 2764), (425, 2767), (447, 2800), (459, 2824), (466, 2830), (484, 2863), (488, 2869), (514, 2905), (531, 2935), (532, 2938), (534, 2944), (542, 2968), (549, 2977), (575, 3022), (583, 3040), (587, 3049), (628, 3112), (637, 3133), (647, 3160), (667, 3211), (675, 3232), (687, 3265), (695, 3274), (709, 3325), (710, 3328), (725, 3364), (739, 3394), (740, 3397), (752, 3427), (767, 3445), (798, 3520), (807, 3541), (824, 3586), (862, 3634),

Gene: Lunahalos_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Lunahalos_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: LunarLander_12 Start: 8410, Stop: 9852, Start Num: 158

Candidate Starts for LunarLander_12:

(109, 8344), (Start: 158 @8410 has 220 MA's), (263, 8608), (365, 8821), (482, 9016), (489, 9028), (545, 9127), (584, 9199), (667, 9322), (682, 9361), (710, 9439), (712, 9445), (735, 9493), (739, 9505), (743, 9514), (785, 9604), (824, 9694), (845, 9727), (857, 9739),

Gene: Lunsford_13 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Lunsford_13:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343),

(599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Lutum_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Lutum_4:

(Start: 123 @2191 has 47 MA's), (173, 2245), (194, 2281), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (258, 2410), (301, 2482), (312, 2512), (319, 2536), (324, 2557), (355, 2605), (395, 2674), (432, 2716), (479, 2794), (494, 2815), (496, 2818), (532, 2878), (542, 2908), (545, 2911), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (642, 3079), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (709, 3256), (729, 3301), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: Lynnae_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Lynnae_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (626, 3478), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: MA5_12 Start: 7793, Stop: 9259, Start Num: 127

Candidate Starts for MA5_12:

(Start: 127 @7793 has 330 MA's), (163, 7838), (233, 7964), (273, 8048), (308, 8111), (320, 8144), (324, 8162), (343, 8201), (480, 8417), (534, 8507), (542, 8531), (545, 8534), (549, 8540), (563, 8561), (566, 8567), (663, 8738), (710, 8864), (711, 8867), (735, 8918), (737, 8924), (743, 8939), (757, 8969), (812, 9095), (824, 9125), (845, 9155),

Gene: MAckerman_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for MAckerman_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: MAnor_5 Start: 2570, Stop: 4018, Start Num: 159

Candidate Starts for MAnor_5:

(Start: 159 @2570 has 63 MA's), (184, 2600), (188, 2609), (255, 2744), (257, 2750), (276, 2786), (302, 2822), (306, 2840), (319, 2873), (326, 2897), (365, 2966), (382, 2999), (489, 3155), (525, 3206), (537, 3236), (549, 3260), (574, 3302), (602, 3371), (645, 3437), (674, 3509), (741, 3680), (762, 3713), (787, 3773), (798, 3794), (811, 3827), (835, 3887), (836, 3890), (923, 4001),

Gene: MEAK_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for MEAK_3:

(Start: 154 @1881 has 46 MA's), (Start: 157 @1887 has 14 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (298, 2121), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (376, 2298), (383, 2310), (385, 2313), (405, 2340), (426, 2358), (434, 2370), (468, 2415), (479, 2433), (480, 2436), (489, 2454), (498, 2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (737, 2925), (743, 2940), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: MK4_12 Start: 8064, Stop: 9530, Start Num: 127

Candidate Starts for MK4_12:

(Start: 127 @8064 has 330 MA's), (163, 8109), (233, 8235), (273, 8319), (308, 8382), (320, 8415), (324, 8433), (343, 8472), (355, 8499), (480, 8688), (534, 8778), (542, 8802), (545, 8805), (549, 8811), (563, 8832), (566, 8838), (663, 9009), (710, 9135), (711, 9138), (735, 9189), (737, 9195), (743, 9210), (757, 9240), (812, 9366), (824, 9396), (845, 9426),

Gene: MOOREtheMARYer_3 Start: 1934, Stop: 3484, Start Num: 105

Candidate Starts for MOOREtheMARYer_3:

(Start: 105 @1934 has 79 MA's), (Start: 140 @1985 has 4 MA's), (164, 2012), (315, 2300), (362, 2399), (382, 2438), (488, 2588), (516, 2627), (543, 2687), (549, 2696), (571, 2732), (591, 2783), (649, 2873), (666, 2915), (673, 2933), (741, 3110), (807, 3257), (839, 3332), (845, 3338), (902, 3401),

Gene: MPlant7149_11 Start: 8260, Stop: 9702, Start Num: 158

Candidate Starts for MPlant7149_11:

(109, 8194), (Start: 158 @8260 has 220 MA's), (263, 8458), (365, 8671), (482, 8866), (484, 8869), (545, 8977), (584, 9049), (667, 9172), (682, 9211), (710, 9289), (712, 9295), (735, 9343), (739, 9355), (743, 9364), (785, 9454), (824, 9544), (845, 9577), (857, 9589),

Gene: MScarn_7 Start: 2787, Stop: 4241, Start Num: 159

Candidate Starts for MScarn_7:

(Start: 159 @2787 has 63 MA's), (184, 2811), (242, 2925), (246, 2934), (320, 3090), (322, 3099), (365, 3180), (466, 3327), (489, 3369), (537, 3450), (545, 3468), (549, 3474), (663, 3702), (674, 3729), (687, 3765), (730, 3873), (739, 3894), (800, 4017), (811, 4047), (835, 4107), (836, 4110), (923, 4218),

Gene: MUWow_3 Start: 2335, Stop: 3684, Start Num: 140

Candidate Starts for MUWow_3:

(Start: 129 @2320 has 6 MA's), (Start: 140 @2335 has 4 MA's), (Start: 155 @2347 has 140 MA's), (188, 2389), (190, 2395), (224, 2458), (229, 2470), (305, 2629), (353, 2728), (382, 2785), (418, 2833), (432, 2848), (460, 2893), (480, 2929), (498, 2956), (541, 3037), (549, 3049), (551, 3052), (565, 3076), (585, 3118), (667, 3244), (687, 3298), (710, 3361), (734, 3412), (738, 3424), (758, 3463), (787, 3529), (824, 3610), (825, 3613), (828, 3619), (877, 3670),

Gene: MZKinsey_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for MZKinsey_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: MaCh_13 Start: 9781, Stop: 11238, Start Num: 127

Candidate Starts for MaCh_13:

(Start: 127 @9781 has 330 MA's), (169, 9826), (182, 9841), (233, 9946), (365, 10228), (382, 10261), (489, 10417), (534, 10489), (545, 10516), (549, 10522), (563, 10543), (587, 10594), (720, 10858), (735, 10888), (743, 10909), (749, 10924), (757, 10936), (762, 10945), (802, 11032), (812, 11062), (824, 11092), (842, 11122), (908, 11188),

Gene: MaGuCo_3 Start: 2290, Stop: 3672, Start Num: 148

Candidate Starts for MaGuCo_3:

(Start: 148 @2290 has 57 MA's), (Start: 154 @2296 has 46 MA's), (162, 2311), (199, 2374), (Start: 222 @2413 has 4 MA's), (444, 2800), (548, 2986), (663, 3175), (675, 3205), (682, 3223), (699, 3253), (705,

3283), (789, 3472), (799, 3481),

Gene: MaVan_7 Start: 3686, Stop: 5131, Start Num: 159

Candidate Starts for MaVan_7:

(Start: 159 @3686 has 63 MA's), (Start: 179 @3698 has 2 MA's), (182, 3704), (199, 3746), (214, 3776), (255, 3854), (301, 3923), (365, 4070), (471, 4229), (488, 4259), (496, 4268), (537, 4343), (549, 4367), (552, 4373), (598, 4469), (614, 4487), (633, 4517), (649, 4553), (674, 4616), (695, 4661), (725, 4751), (734, 4766), (738, 4778), (741, 4787), (757, 4811), (787, 4880), (807, 4922), (811, 4934), (812, 4937), (844, 5003), (850, 5009),

Gene: Mabel_13 Start: 9848, Stop: 11305, Start Num: 127

Candidate Starts for Mabel_13:

(Start: 127 @9848 has 330 MA's), (169, 9893), (182, 9908), (233, 10013), (365, 10295), (382, 10328), (489, 10484), (534, 10556), (545, 10583), (549, 10589), (563, 10610), (587, 10661), (720, 10925), (735, 10955), (743, 10976), (749, 10991), (757, 11003), (762, 11012), (802, 11099), (812, 11129), (824, 11159), (842, 11189), (908, 11255),

Gene: Mabodamaca_3 Start: 2378, Stop: 3763, Start Num: 148

Candidate Starts for Mabodamaca_3:

(Start: 148 @2378 has 57 MA's), (Start: 222 @2498 has 4 MA's), (266, 2597), (314, 2687), (361, 2756), (414, 2840), (546, 3059), (583, 3134), (634, 3194), (689, 3335), (705, 3377), (789, 3560), (799, 3569), (803, 3578), (912, 3731),

Gene: MacGully_33 Start: 15830, Stop: 17416, Start Num: 121

Candidate Starts for MacGully_33:

(Start: 121 @15830 has 32 MA's), (Start: 127 @15839 has 330 MA's), (Start: 179 @15911 has 2 MA's), (305, 16184), (307, 16190), (318, 16217), (354, 16301), (360, 16310), (364, 16319), (366, 16325), (368, 16328), (399, 16385), (440, 16442), (502, 16526), (532, 16568), (570, 16643), (581, 16673), (641, 16778), (653, 16805), (667, 16850), (684, 16895), (722, 16994), (735, 17018), (738, 17027), (746, 17051), (799, 17174), (811, 17207), (880, 17321),

Gene: MacKat_9 Start: 3031, Stop: 4599, Start Num: 75

Candidate Starts for MacKat_9:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3145), (182, 3154), (215, 3226), (Start: 222 @3235 has 4 MA's), (232, 3259), (248, 3292), (252, 3301), (266, 3334), (305, 3403), (314, 3424), (327, 3466), (362, 3532), (369, 3547), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (659, 4033), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: MacnCheese_9 Start: 3139, Stop: 4695, Start Num: 83

Candidate Starts for MacnCheese_9:

(Start: 75 @3124 has 32 MA's), (Start: 83 @3139 has 142 MA's), (175, 3232), (182, 3241), (232, 3346), (248, 3379), (253, 3391), (305, 3490), (314, 3511), (319, 3526), (327, 3553), (356, 3604), (362, 3613), (369, 3628), (414, 3703), (423, 3718), (428, 3724), (445, 3757), (495, 3853), (501, 3865), (522, 3898), (527, 3904), (537, 3931), (575, 4003), (624, 4036), (635, 4054), (666, 4132), (670, 4144), (672, 4147), (677, 4162), (687, 4189), (709, 4243), (711, 4249), (734, 4297), (741, 4318), (803, 4438), (812, 4465), (813, 4474), (828, 4510),

Gene: Maco6_4 Start: 2715, Stop: 4238, Start Num: 123

Candidate Starts for Maco6_4:

(70, 2631), (Start: 123 @2715 has 47 MA's), (139, 2730), (182, 2772), (229, 2865), (233, 2877), (253, 2916), (257, 2925), (263, 2940), (296, 3003), (298, 3015), (303, 3030), (320, 3081), (324, 3099), (382,

3210), (549, 3474), (585, 3543), (601, 3582), (695, 3744), (705, 3783), (734, 3849), (740, 3867), (787, 3960), (795, 3975),

Gene: MadMarie_14 Start: 8656, Stop: 10110, Start Num: 124

Candidate Starts for MadMarie_14:

(Start: 124 @8656 has 299 MA's), (Start: 157 @8686 has 14 MA's), (182, 8713), (233, 8818), (298, 8932), (320, 8998), (343, 9055), (382, 9133), (384, 9136), (482, 9277), (545, 9388), (549, 9394), (563, 9415), (663, 9580), (710, 9706), (735, 9760), (737, 9766), (743, 9781), (762, 9817), (802, 9904), (812, 9934), (824, 9964), (857, 10009), (867, 10018),

Gene: MadMen_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for MadMen_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Madiba_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for Madiba_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (501, 2858), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (803, 3431), (805, 3437), (808, 3446), (811, 3455), (813, 3467), (845, 3530), (889, 3578),

Gene: Magnar_12 Start: 8408, Stop: 9850, Start Num: 158

Candidate Starts for Magnar_12:

(109, 8342), (Start: 158 @8408 has 220 MA's), (263, 8606), (365, 8819), (482, 9014), (545, 9125), (667, 9320), (682, 9359), (710, 9437), (712, 9443), (735, 9491), (739, 9503), (743, 9512), (785, 9602), (824, 9692), (845, 9725), (857, 9737),

Gene: Magnito_11 Start: 8159, Stop: 9601, Start Num: 158

Candidate Starts for Magnito_11:

(109, 8093), (Start: 158 @8159 has 220 MA's), (263, 8357), (365, 8570), (482, 8765), (489, 8777), (545, 8876), (584, 8948), (667, 9071), (682, 9110), (710, 9188), (712, 9194), (735, 9242), (739, 9254), (743, 9263), (785, 9353), (824, 9443), (845, 9476), (857, 9488),

Gene: Mahavrat_3 Start: 2239, Stop: 3597, Start Num: 156

Candidate Starts for Mahavrat_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: Mainiac_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for Mainiac_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: MajorMajor_12 Start: 8157, Stop: 9614, Start Num: 127

Candidate Starts for MajorMajor_12:

(Start: 127 @8157 has 330 MA's), (Start: 143 @8178 has 5 MA's), (182, 8217), (233, 8322), (365, 8604), (382, 8637), (438, 8709), (489, 8793), (534, 8865), (545, 8892), (549, 8898), (563, 8919), (682, 9132), (721, 9237), (735, 9264), (743, 9285), (757, 9312), (762, 9321), (812, 9438), (824, 9468), (842, 9498), (867, 9522),

Gene: Makemake_12 Start: 9892, Stop: 11334, Start Num: 158

Candidate Starts for Makemake_12:

(109, 9826), (Start: 158 @9892 has 220 MA's), (263, 10090), (365, 10303), (482, 10498), (484, 10501), (489, 10510), (545, 10609), (584, 10681), (667, 10804), (682, 10843), (710, 10921), (712, 10927), (734, 10972), (735, 10975), (739, 10987), (743, 10996), (785, 11086), (824, 11176), (845, 11209), (857, 11221),

Gene: Makima_6 Start: 4251, Stop: 5723, Start Num: 123

Candidate Starts for Makima_6:

(Start: 123 @4251 has 47 MA's), (224, 4401), (263, 4488), (308, 4572), (328, 4632), (398, 4743), (435, 4785), (532, 4938), (549, 4977), (602, 5088), (614, 5097), (658, 5163), (666, 5181), (702, 5277), (711, 5304), (735, 5355), (739, 5367), (807, 5511), (811, 5523), (845, 5595), (882, 5625), (929, 5709),

Gene: MalagasyRose_8 Start: 3844, Stop: 5301, Start Num: 137

Candidate Starts for MalagasyRose_8:

(Start: 137 @3844 has 1 MA's), (161, 3871), (162, 3874), (208, 3973), (211, 3976), (253, 4051), (257, 4060), (263, 4075), (266, 4081), (300, 4129), (305, 4150), (318, 4183), (319, 4186), (328, 4216), (331, 4225), (348, 4261), (366, 4300), (402, 4360), (421, 4390), (441, 4414), (454, 4438), (462, 4453), (472, 4471), (495, 4528), (500, 4537), (501, 4540), (526, 4579), (527, 4582), (548, 4633), (557, 4648), (576, 4684), (666, 4813), (682, 4855), (691, 4876), (699, 4888), (716, 4951), (720, 4957), (789, 5107), (799, 5116), (812, 5152), (842, 5218), (851, 5227), (893, 5278),

Gene: Malec_14 Start: 9495, Stop: 10958, Start Num: 127

Candidate Starts for Malec_14:

(Start: 127 @9495 has 330 MA's), (182, 9555), (229, 9648), (233, 9660), (365, 9942), (484, 10122), (489, 10131), (534, 10203), (545, 10230), (549, 10236), (563, 10257), (687, 10485), (735, 10602), (741, 10620), (743, 10623), (757, 10650), (762, 10659), (812, 10776), (824, 10806), (842, 10836), (867, 10860),

Gene: Maliketh_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Maliketh_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Malinsilva_16 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for Malinsilva_16:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563,

9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Malisha_4 Start: 2187, Stop: 3626, Start Num: 123

Candidate Starts for Malisha_4:

(Start: 123 @2187 has 47 MA's), (135, 2202), (Start: 222 @2331 has 4 MA's), (224, 2334), (245, 2373), (258, 2409), (301, 2481), (319, 2535), (355, 2604), (395, 2673), (423, 2703), (428, 2709), (432, 2715), (479, 2793), (494, 2814), (496, 2817), (532, 2877), (534, 2883), (539, 2898), (542, 2907), (545, 2910), (556, 2928), (559, 2934), (575, 2961), (583, 2979), (596, 3012), (632, 3063), (649, 3093), (671, 3147), (682, 3177), (696, 3207), (741, 3330), (787, 3438), (807, 3480), (813, 3501), (860, 3561), (883, 3588),

Gene: Malthus_10 Start: 3922, Stop: 5508, Start Num: 81

Candidate Starts for Malthus_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Malvina_7 Start: 3563, Stop: 5011, Start Num: 159

Candidate Starts for Malvina_7:

(88, 3470), (Start: 159 @3563 has 63 MA's), (197, 3617), (199, 3623), (255, 3731), (257, 3737), (301, 3800), (335, 3902), (365, 3947), (423, 4025), (466, 4097), (484, 4130), (488, 4136), (537, 4220), (549, 4244), (552, 4250), (585, 4313), (645, 4421), (674, 4493), (695, 4538), (725, 4628), (734, 4643), (738, 4655), (741, 4664), (765, 4700), (787, 4757), (807, 4799), (812, 4814), (844, 4880), (923, 4985),

Gene: Maminiaina_14 Start: 9663, Stop: 11144, Start Num: 127

Candidate Starts for Maminiaina_14:

(Start: 127 @9663 has 330 MA's), (182, 9726), (233, 9831), (298, 9945), (329, 10041), (365, 10113), (382, 10146), (482, 10290), (534, 10374), (545, 10401), (549, 10407), (563, 10428), (624, 10518), (735, 10773), (741, 10791), (757, 10821), (762, 10830), (810, 10941), (812, 10947), (824, 10977), (857, 11022), (867, 11031),

Gene: Manatee_13 Start: 8692, Stop: 10134, Start Num: 158

Candidate Starts for Manatee_13:

(109, 8626), (Start: 158 @8692 has 220 MA's), (263, 8890), (365, 9103), (482, 9298), (489, 9310), (545, 9409), (584, 9481), (667, 9604), (682, 9643), (710, 9721), (712, 9727), (735, 9775), (739, 9787), (743, 9796), (785, 9886), (824, 9976), (845, 10009), (857, 10021),

Gene: Mandlovu_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Mandlovu_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Maneekul_7 Start: 4052, Stop: 5494, Start Num: 144

Candidate Starts for Maneekul_7:

(Start: 144 @4052 has 15 MA's), (Start: 155 @4058 has 140 MA's), (174, 4082), (188, 4106), (Start: 222 @4175 has 4 MA's), (246, 4223), (249, 4235), (266, 4274), (328, 4427), (361, 4457), (412, 4541), (444, 4583), (477, 4643), (479, 4649), (530, 4739), (534, 4751), (573, 4826), (579, 4844), (629, 4922), (645, 4967), (669, 5024), (760, 5237), (773, 5261), (827, 5393), (908, 5480),

Gene: Manilisa_7 Start: 3225, Stop: 4700, Start Num: 157

Candidate Starts for Manilisa_7:

(Start: 157 @3225 has 14 MA's), (182, 3258), (226, 3348), (256, 3408), (265, 3429), (303, 3492), (318, 3537), (319, 3540), (320, 3543), (323, 3558), (324, 3561), (327, 3567), (342, 3600), (359, 3624), (381, 3672), (412, 3717), (423, 3735), (432, 3747), (439, 3756), (442, 3762), (457, 3786), (482, 3834), (522, 3906), (537, 3939), (561, 3984), (582, 4032), (615, 4113), (634, 4146), (639, 4161), (649, 4185), (666, 4227), (682, 4269), (698, 4296), (702, 4320), (728, 4386), (734, 4395), (761, 4446), (785, 4497), (811, 4545), (825, 4584), (856, 4629), (899, 4683),

Gene: Mantra_3 Start: 2315, Stop: 3625, Start Num: 193

Candidate Starts for Mantra_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (675, 3209), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Manu_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Manu_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Mapleville_3 Start: 2346, Stop: 3683, Start Num: 155

Candidate Starts for Mapleville_3:

(Start: 102 @2283 has 24 MA's), (Start: 129 @2319 has 6 MA's), (Start: 140 @2334 has 4 MA's), (Start: 155 @2346 has 140 MA's), (190, 2394), (224, 2457), (229, 2469), (353, 2727), (382, 2784), (418, 2832), (477, 2919), (480, 2928), (498, 2955), (541, 3036), (549, 3048), (551, 3051), (565, 3075), (660, 3228), (667, 3243), (687, 3297), (710, 3360), (713, 3369), (738, 3423), (758, 3462), (787, 3528), (824, 3609), (828, 3618), (877, 3669),

Gene: MarQuardt_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for MarQuardt_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: Marav_10 Start: 4776, Stop: 6257, Start Num: 155

Candidate Starts for Marav_10:

(Start: 155 @4776 has 140 MA's), (Start: 222 @4893 has 4 MA's), (246, 4941), (249, 4953), (266, 4992), (314, 5106), (412, 5256), (444, 5298), (458, 5325), (531, 5454), (534, 5463), (554, 5505), (573, 5538), (579, 5556), (585, 5574), (589, 5583), (620, 5664), (638, 5700), (645, 5721), (667, 5772), (669, 5778), (741, 5958), (773, 6015), (812, 6105), (813, 6114), (908, 6243),

Gene: Maravista_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Maravista_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560),

Gene: Marcell_12 Start: 8619, Stop: 10061, Start Num: 158

Candidate Starts for Marcell_12:

(109, 8553), (Start: 158 @8619 has 220 MA's), (263, 8817), (365, 9030), (482, 9225), (489, 9237), (545, 9336), (667, 9531), (682, 9570), (710, 9648), (712, 9654), (735, 9702), (739, 9714), (743, 9723), (785, 9813), (824, 9903), (845, 9936), (857, 9948),

Gene: Marchesa_12 Start: 8244, Stop: 9710, Start Num: 127

Candidate Starts for Marchesa_12:

(Start: 127 @8244 has 330 MA's), (233, 8415), (273, 8499), (308, 8562), (320, 8595), (324, 8613), (343, 8652), (355, 8679), (381, 8727), (480, 8868), (484, 8877), (534, 8958), (542, 8982), (545, 8985), (549, 8991), (563, 9012), (566, 9018), (663, 9189), (710, 9315), (711, 9318), (735, 9369), (737, 9375), (743, 9390), (757, 9420), (812, 9546), (824, 9576), (845, 9606),

Gene: Marchy_11 Start: 8246, Stop: 9688, Start Num: 158

Candidate Starts for Marchy_11:

(109, 8180), (Start: 158 @8246 has 220 MA's), (263, 8444), (365, 8657), (370, 8669), (382, 8693), (482, 8852), (489, 8864), (545, 8963), (667, 9158), (682, 9197), (710, 9275), (712, 9281), (735, 9329), (739, 9341), (743, 9350), (785, 9440), (824, 9530), (845, 9563), (857, 9575),

Gene: Marco3_12 Start: 8891, Stop: 10333, Start Num: 158

Candidate Starts for Marco3_12:

(109, 8825), (Start: 158 @8891 has 220 MA's), (263, 9089), (365, 9302), (482, 9497), (489, 9509), (545, 9608), (667, 9803), (682, 9842), (710, 9920), (712, 9926), (735, 9974), (739, 9986), (743, 9995), (785, 10085), (824, 10175), (845, 10208), (857, 10220),

Gene: Marcoliusprime_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for Marcoliusprime_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (527, 2853), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: Margaret_8 Start: 3559, Stop: 5004, Start Num: 159

Candidate Starts for Margaret_8:

(Start: 159 @3559 has 63 MA's), (182, 3574), (231, 3676), (246, 3697), (247, 3700), (276, 3763), (299, 3790), (313, 3832), (322, 3862), (324, 3871), (353, 3919), (392, 3991), (430, 4027), (484, 4123), (531, 4195), (537, 4213), (539, 4219), (549, 4237), (552, 4243), (633, 4387), (674, 4486), (757, 4684), (762, 4693), (791, 4762), (811, 4807), (835, 4867), (845, 4879), (923, 4993),

Gene: Marge_13 Start: 9142, Stop: 10584, Start Num: 158

Candidate Starts for Marge_13:

(109, 9076), (Start: 158 @9142 has 220 MA's), (263, 9340), (365, 9553), (482, 9748), (545, 9859), (667, 10054), (682, 10093), (710, 10171), (712, 10177), (735, 10225), (739, 10237), (743, 10246), (785, 10336), (824, 10426), (845, 10459), (857, 10471),

Gene: Margo_13 Start: 8763, Stop: 10232, Start Num: 124

Candidate Starts for Margo_13:

(Start: 124 @8763 has 299 MA's), (163, 8802), (233, 8928), (273, 9012), (308, 9075), (320, 9108), (324, 9126), (343, 9165), (355, 9192), (382, 9243), (476, 9369), (480, 9381), (488, 9396), (489, 9399), (534, 9471), (542, 9495), (545, 9498), (549, 9504), (563, 9525), (566, 9531), (577, 9555), (599, 9597), (663, 9702), (710, 9828), (711, 9831), (735, 9882), (737, 9888), (743, 9903), (757, 9933), (812, 10059), (824, 10089), (845, 10119),

Gene: Marie_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Marie_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Marietta_27 Start: 12175, Stop: 13752, Start Num: 121

Candidate Starts for Marietta_27:

(Start: 84 @12130 has 7 MA's), (Start: 121 @12175 has 32 MA's), (Start: 148 @12208 has 57 MA's), (324, 12586), (460, 12814), (496, 12859), (570, 12991), (581, 13021), (667, 13198), (678, 13228), (684, 13243), (735, 13366), (738, 13375), (750, 13411), (759, 13435), (799, 13519), (803, 13528), (818, 13573),

Gene: Marius_15 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Marius_15:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (624, 9575), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: MarkPhew_8 Start: 2868, Stop: 4424, Start Num: 83

Candidate Starts for MarkPhew_8:

(46, 2763), (Start: 75 @2853 has 32 MA's), (Start: 83 @2868 has 142 MA's), (116, 2904), (Start: 134 @2922 has 1 MA's), (182, 2979), (186, 2988), (Start: 222 @3060 has 4 MA's), (232, 3084), (243, 3102), (248, 3117), (252, 3126), (314, 3249), (319, 3264), (326, 3288), (327, 3291), (369, 3369), (388, 3408), (428, 3465), (473, 3540), (479, 3558), (495, 3594), (500, 3603), (522, 3639), (537, 3672), (546, 3693), (558, 3714), (624, 3777), (635, 3795), (666, 3873), (670, 3885), (672, 3888), (676, 3900), (677, 3903), (734, 4035), (741, 4056), (751, 4077), (767, 4098), (780, 4137), (785, 4149), (787, 4152), (811, 4197), (812, 4200), (813, 4209), (828, 4245),

Gene: Marker_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for Marker_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (501, 2858), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (803, 3431), (805, 3437), (808, 3446), (811, 3455), (813, 3467), (845, 3530), (889, 3578),

Gene: Marmie_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Marmie_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Maroc7_11 Start: 8432, Stop: 9874, Start Num: 158

Candidate Starts for Maroc7_11:

(109, 8366), (Start: 158 @8432 has 220 MA's), (263, 8630), (365, 8843), (482, 9038), (489, 9050), (545, 9149), (667, 9344), (682, 9383), (710, 9461), (712, 9467), (735, 9515), (739, 9527), (743, 9536), (785, 9626), (824, 9716), (845, 9749), (857, 9761),

Gene: Marsha_12 Start: 8876, Stop: 10318, Start Num: 158

Candidate Starts for Marsha_12:

(109, 8810), (Start: 158 @8876 has 220 MA's), (233, 9011), (263, 9074), (365, 9287), (482, 9482), (489, 9494), (545, 9593), (667, 9788), (682, 9827), (710, 9905), (712, 9911), (735, 9959), (739, 9971), (743, 9980), (785, 10070), (824, 10160), (845, 10193), (857, 10205),

Gene: Marshawn_10 Start: 3463, Stop: 5013, Start Num: 83

Candidate Starts for Marshawn_10:

(44, 3331), (46, 3358), (Start: 75 @3448 has 32 MA's), (Start: 83 @3463 has 142 MA's), (89, 3472), (Start: 137 @3523 has 1 MA's), (182, 3577), (215, 3649), (Start: 222 @3658 has 4 MA's), (232, 3682), (248, 3715), (252, 3724), (305, 3826), (314, 3847), (319, 3862), (327, 3889), (334, 3901), (369, 3967), (388, 4006), (428, 4063), (467, 4132), (479, 4156), (500, 4201), (501, 4204), (522, 4237), (537, 4270), (546, 4291), (558, 4312), (624, 4375), (635, 4393), (637, 4399), (659, 4453), (666, 4471), (670, 4483), (677, 4501), (687, 4528), (735, 4636), (741, 4654), (780, 4735), (787, 4750), (803, 4771), (811, 4795), (812, 4798), (813, 4807), (828, 4843),

Gene: Marteena_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for Marteena_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Martik_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Martik_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Marvin_34 Start: 12859, Stop: 14424, Start Num: 76

Candidate Starts for Marvin_34:

(Start: 76 @12859 has 19 MA's), (165, 12976), (Start: 171 @12982 has 1 MA's), (231, 13096), (255, 13141), (258, 13150), (308, 13240), (323, 13288), (324, 13291), (353, 13333), (355, 13336), (368, 13360), (423, 13432), (425, 13435), (450, 13474), (460, 13495), (462, 13498), (488, 13543), (539, 13633), (542, 13642), (549, 13651), (574, 13693), (575, 13696), (592, 13735), (619, 13777), (625, 13783), (628, 13786), (647, 13831), (674, 13900), (710, 13999), (714, 14011), (763, 14110), (789, 14176), (802, 14197), (807, 14212), (856, 14305), (870, 14320),

Gene: MaryBeth_12 Start: 8854, Stop: 10296, Start Num: 158

Candidate Starts for MaryBeth_12:

(109, 8788), (Start: 158 @8854 has 220 MA's), (263, 9052), (365, 9265), (482, 9460), (489, 9472), (545, 9571), (667, 9766), (682, 9805), (710, 9883), (712, 9889), (735, 9937), (739, 9949), (743, 9958), (785, 10048), (824, 10138), (845, 10171), (857, 10183),

Gene: MaryV_27 Start: 9704, Stop: 11143, Start Num: 132

Candidate Starts for MaryV_27:

(Start: 110 @9671 has 11 MA's), (Start: 126 @9695 has 23 MA's), (Start: 132 @9704 has 11 MA's), (174, 9755), (182, 9767), (188, 9779), (249, 9911), (252, 9917), (253, 9920), (255, 9923), (263, 9944), (266, 9950), (304, 10010), (305, 10019), (314, 10040), (358, 10118), (482, 10298), (501, 10328), (512, 10346), (522, 10361), (535, 10388), (550, 10421), (557, 10433), (558, 10436), (580, 10481), (620, 10517), (634, 10538), (661, 10601), (682, 10652), (710, 10724), (735, 10778), (738, 10787), (778, 10868), (789, 10898), (811, 10940), (821, 10967), (855, 11018), (862, 11027), (914, 11084), (936, 11123),

Gene: MarysWell_9 Start: 7907, Stop: 9340, Start Num: 127

Candidate Starts for MarysWell_9:

(Start: 127 @7907 has 330 MA's), (229, 8042), (247, 8075), (252, 8090), (255, 8096), (329, 8264), (343, 8291), (382, 8369), (449, 8450), (488, 8522), (489, 8525), (534, 8597), (549, 8630), (563, 8651), (577, 8681), (584, 8696), (605, 8726), (710, 8942), (735, 8996), (741, 9014), (762, 9053), (812, 9170), (824, 9200), (842, 9230), (867, 9254),

Gene: Maselop_29 Start: 15885, Stop: 17474, Start Num: 117

Candidate Starts for Maselop_29:

(96, 15858), (Start: 117 @15885 has 8 MA's), (Start: 121 @15891 has 32 MA's), (Start: 127 @15900 has 330 MA's), (Start: 140 @15918 has 4 MA's), (Start: 143 @15921 has 5 MA's), (182, 15978), (227, 16071), (305, 16245), (307, 16251), (360, 16371), (399, 16446), (406, 16455), (440, 16503), (557, 16683), (570, 16704), (577, 16722), (581, 16734), (641, 16839), (653, 16866), (667, 16911), (672, 16923), (684, 16956), (713, 17034), (722, 17055), (735, 17079), (738, 17088), (746, 17112), (799, 17232), (803, 17241), (811, 17265),

Gene: MaterMagnus_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for MaterMagnus_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Mattes_3 Start: 2276, Stop: 3598, Start Num: 180

Candidate Starts for Mattes_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (215, 2348), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Maureen_3 Start: 2290, Stop: 3813, Start Num: 148

Candidate Starts for Maureen_3:

(Start: 148 @2290 has 57 MA's), (Start: 154 @2296 has 46 MA's), (162, 2311), (199, 2374), (Start: 222 @2413 has 4 MA's), (444, 2800), (495, 2890), (548, 2986), (663, 3175), (675, 3205), (682, 3223), (699, 3253), (705, 3283), (789, 3472), (799, 3481), (913, 3652), (935, 3697), (946, 3757),

Gene: Maverick_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Maverick_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Maxo_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Maxo_12:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (489, 9212), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: Mayonnaise_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Mayonnaise_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Mayweather_6 Start: 3191, Stop: 4639, Start Num: 159

Candidate Starts for Mayweather_6:

(Start: 159 @3191 has 63 MA's), (184, 3221), (223, 3299), (255, 3365), (257, 3371), (276, 3407), (302, 3443), (326, 3518), (365, 3587), (382, 3620), (386, 3626), (423, 3662), (488, 3773), (489, 3776), (496, 3782), (537, 3857), (545, 3875), (549, 3881), (574, 3923), (602, 3992), (645, 4058), (674, 4130), (741, 4301), (762, 4334), (787, 4394), (789, 4400), (798, 4415), (811, 4448), (835, 4508), (836, 4511), (923, 4622),

Gene: Mazhar510_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Mazhar510_12:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (489, 9212), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (824, 9905), (845, 9935),

Gene: McDazzle_4 Start: 3038, Stop: 4483, Start Num: 159

Candidate Starts for McDazzle_4:

(91, 2951), (Start: 159 @3038 has 63 MA's), (184, 3068), (223, 3146), (229, 3158), (257, 3218), (276, 3254), (302, 3290), (326, 3365), (365, 3434), (382, 3467), (386, 3473), (423, 3509), (488, 3620), (489, 3623), (496, 3629), (525, 3674), (537, 3704), (545, 3722), (549, 3728), (574, 3770), (674, 3977), (741, 4148), (762, 4181), (787, 4241), (789, 4247), (798, 4262), (811, 4295), (835, 4355), (836, 4358), (923, 4466),

Gene: McFly_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for McFly_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628),

(870, 10655),

Gene: McGuire_13 Start: 8737, Stop: 10179, Start Num: 158

Candidate Starts for McGuire_13:

(109, 8671), (Start: 158 @8737 has 220 MA's), (263, 8935), (365, 9148), (482, 9343), (489, 9355), (545, 9454), (667, 9649), (682, 9688), (710, 9766), (712, 9772), (735, 9820), (739, 9832), (743, 9841), (785, 9931), (824, 10021), (845, 10054), (857, 10066),

Gene: McMater_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for McMater_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: McSinger_13 Start: 8817, Stop: 10259, Start Num: 158

Candidate Starts for McSinger_13:

(109, 8751), (Start: 158 @8817 has 220 MA's), (263, 9015), (365, 9228), (482, 9423), (545, 9534), (584, 9606), (667, 9729), (682, 9768), (710, 9846), (712, 9852), (735, 9900), (739, 9912), (743, 9921), (785, 10011), (824, 10101), (845, 10134), (857, 10146),

Gene: Mdavu_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Mdavu_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: MeaningOfLife_9 Start: 2996, Stop: 4552, Start Num: 83

Candidate Starts for MeaningOfLife_9:

(46, 2894), (Start: 75 @2981 has 32 MA's), (Start: 83 @2996 has 142 MA's), (175, 3095), (182, 3104), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (252, 3251), (266, 3284), (305, 3353), (327, 3416), (362, 3482), (369, 3497), (414, 3572), (428, 3593), (458, 3647), (522, 3767), (537, 3800), (546, 3821), (558, 3842), (575, 3872), (624, 3905), (635, 3923), (659, 3983), (666, 4001), (670, 4013), (672, 4016), (676, 4028), (677, 4031), (699, 4067), (711, 4115), (735, 4166), (741, 4184), (787, 4280), (803, 4301), (812, 4328), (813, 4337), (828, 4373),

Gene: Medindi_3 Start: 2292, Stop: 3614, Start Num: 180

Candidate Starts for Medindi_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576),

Gene: Medusa_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Medusa_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: MeeZee_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for MeeZee_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: MegTheThird_12 Start: 8001, Stop: 9485, Start Num: 127

Candidate Starts for MegTheThird_12:

(Start: 127 @8001 has 330 MA's), (182, 8061), (225, 8148), (233, 8166), (266, 8235), (298, 8280), (329, 8376), (349, 8415), (365, 8448), (466, 8592), (482, 8625), (508, 8661), (514, 8670), (534, 8709), (545, 8736), (549, 8742), (563, 8763), (587, 8814), (667, 8937), (735, 9108), (741, 9126), (757, 9156), (762, 9165), (810, 9276), (812, 9282), (824, 9312), (857, 9357), (867, 9366),

Gene: Megsy_9 Start: 2995, Stop: 4548, Start Num: 83

Candidate Starts for Megsy_9:

(44, 2866), (46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (266, 3283), (305, 3352), (314, 3373), (326, 3412), (362, 3481), (369, 3496), (414, 3571), (428, 3592), (458, 3646), (522, 3766), (537, 3799), (546, 3820), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: Melissauren88_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Melissauren88_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Melvin_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Melvin_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Mendokysei_3 Start: 2531, Stop: 4096, Start Num: 85

Candidate Starts for Mendokysei_3:

(Start: 85 @2531 has 7 MA's), (100, 2549), (166, 2639), (205, 2717), (246, 2777), (267, 2831), (273, 2843), (298, 2873), (319, 2936), (324, 2957), (330, 2969), (335, 2981), (352, 2993), (365, 3020), (438, 3137), (453, 3155), (494, 3224), (521, 3263), (523, 3269), (525, 3272), (545, 3320), (568, 3356), (635, 3455), (643, 3470), (675, 3554), (704, 3635), (720, 3677), (722, 3683), (735, 3707), (798, 3839), (857,

3953), (928, 4064),

Gene: MerCougar_26 Start: 14884, Stop: 16461, Start Num: 121

Candidate Starts for MerCougar_26:

(Start: 121 @14884 has 32 MA's), (Start: 124 @14890 has 299 MA's), (Start: 140 @14908 has 4 MA's), (182, 14968), (266, 15160), (305, 15238), (315, 15262), (416, 15463), (440, 15496), (502, 15583), (529, 15616), (577, 15718), (581, 15730), (633, 15811), (684, 15952), (722, 16051), (735, 16075), (738, 16084), (759, 16144), (799, 16228), (803, 16237),

Gene: Mercurio_4 Start: 2602, Stop: 4089, Start Num: 105

Candidate Starts for Mercurio_4:

(48, 2467), (Start: 105 @2602 has 79 MA's), (214, 2758), (246, 2812), (315, 2962), (316, 2965), (382, 3094), (442, 3175), (482, 3238), (545, 3346), (549, 3352), (559, 3370), (591, 3439), (599, 3457), (614, 3472), (649, 3529), (666, 3571), (674, 3592), (703, 3673), (735, 3748), (789, 3874),

Gene: Merpity_4 Start: 1758, Stop: 3161, Start Num: 105

Candidate Starts for Merpity_4:

(Start: 105 @1758 has 79 MA's), (Start: 154 @1809 has 46 MA's), (164, 1821), (182, 1839), (184, 1842), (197, 1875), (236, 1944), (252, 1980), (255, 1986), (260, 2001), (269, 2022), (272, 2028), (298, 2055), (308, 2088), (312, 2094), (322, 2130), (323, 2136), (382, 2238), (400, 2262), (402, 2265), (407, 2271), (432, 2295), (439, 2310), (441, 2313), (531, 2451), (532, 2454), (537, 2469), (549, 2493), (574, 2535), (577, 2544), (588, 2568), (602, 2598), (645, 2640), (649, 2649), (652, 2658), (658, 2673), (666, 2691), (684, 2739), (709, 2808), (740, 2883), (787, 2988), (789, 2994), (802, 3015), (807, 3030), (824, 3075),

Gene: MetalQZJ_12 Start: 8854, Stop: 10296, Start Num: 158

Candidate Starts for MetalQZJ_12:

(109, 8788), (Start: 158 @8854 has 220 MA's), (263, 9052), (365, 9265), (482, 9460), (489, 9472), (545, 9571), (667, 9766), (682, 9805), (710, 9883), (712, 9889), (735, 9937), (739, 9949), (743, 9958), (785, 10048), (824, 10138), (845, 10171), (857, 10183),

Gene: Methuselah_14 Start: 8737, Stop: 10191, Start Num: 124

Candidate Starts for Methuselah_14:

(Start: 124 @8737 has 299 MA's), (Start: 157 @8767 has 14 MA's), (182, 8794), (233, 8899), (298, 9013), (320, 9079), (343, 9136), (382, 9214), (384, 9217), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (663, 9661), (710, 9787), (735, 9841), (737, 9847), (743, 9862), (762, 9898), (802, 9985), (812, 10015), (824, 10045), (857, 10090), (867, 10099),

Gene: Meyran_5 Start: 3062, Stop: 4528, Start Num: 157

Candidate Starts for Meyran_5:

(Start: 157 @3062 has 14 MA's), (182, 3095), (226, 3185), (256, 3245), (261, 3257), (265, 3266), (303, 3329), (318, 3374), (319, 3377), (320, 3380), (323, 3395), (324, 3398), (327, 3404), (342, 3437), (359, 3461), (381, 3509), (412, 3554), (423, 3572), (432, 3584), (439, 3593), (442, 3599), (457, 3623), (482, 3671), (537, 3776), (561, 3821), (582, 3869), (615, 3950), (634, 3983), (639, 3998), (649, 4022), (666, 4064), (682, 4106), (698, 4133), (702, 4157), (728, 4223), (734, 4232), (761, 4283), (785, 4334), (811, 4382), (821, 4409), (825, 4421), (856, 4466), (899, 4511),

Gene: Micasa_10 Start: 7908, Stop: 9341, Start Num: 127

Candidate Starts for Micasa_10:

(Start: 127 @7908 has 330 MA's), (241, 8064), (247, 8076), (252, 8091), (255, 8097), (329, 8265), (343, 8292), (382, 8370), (449, 8451), (488, 8523), (489, 8526), (534, 8598), (549, 8631), (563, 8652), (573, 8670), (577, 8682), (605, 8727), (710, 8943), (735, 8997), (741, 9015), (762, 9054), (812, 9171), (824, 9201), (842, 9231), (867, 9255),

Gene: Michkear_6 Start: 4141, Stop: 5526, Start Num: 148

Candidate Starts for Michkear_6:

(Start: 148 @4141 has 57 MA's), (Start: 222 @4264 has 4 MA's), (460, 4684), (480, 4714), (495, 4744), (535, 4810), (663, 5029), (699, 5107), (705, 5137), (799, 5332), (813, 5377),

Gene: Michley_12 Start: 8602, Stop: 10044, Start Num: 158

Candidate Starts for Michley_12:

(109, 8536), (Start: 158 @8602 has 220 MA's), (263, 8800), (365, 9013), (482, 9208), (489, 9220), (545, 9319), (667, 9514), (682, 9553), (710, 9631), (712, 9637), (735, 9685), (739, 9697), (743, 9706), (785, 9796), (824, 9886), (845, 9919), (857, 9931),

Gene: Microwolf_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for Microwolf_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: MiculUcigas_13 Start: 9268, Stop: 10728, Start Num: 127

Candidate Starts for MiculUcigas_13:

(Start: 127 @9268 has 330 MA's), (182, 9328), (229, 9421), (233, 9433), (365, 9715), (382, 9748), (484, 9895), (489, 9904), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (687, 10258), (735, 10375), (743, 10396), (757, 10423), (762, 10432), (812, 10549), (824, 10579), (842, 10609), (867, 10633),

Gene: Midas2_10 Start: 7907, Stop: 9340, Start Num: 127

Candidate Starts for Midas2_10:

(Start: 127 @7907 has 330 MA's), (241, 8063), (247, 8075), (252, 8090), (255, 8096), (329, 8264), (343, 8291), (382, 8369), (449, 8450), (488, 8522), (489, 8525), (534, 8597), (549, 8630), (563, 8651), (573, 8669), (577, 8681), (605, 8726), (710, 8942), (735, 8996), (741, 9014), (762, 9053), (812, 9170), (824, 9200), (842, 9230), (867, 9254),

Gene: MidnightRain_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for MidnightRain_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Miko_16 Start: 10888, Stop: 12345, Start Num: 127

Candidate Starts for Miko_16:

(Start: 127 @10888 has 330 MA's), (182, 10948), (Start: 193 @10972 has 1 MA's), (233, 11053), (329, 11263), (343, 11290), (365, 11335), (432, 11428), (489, 11524), (534, 11596), (545, 11623), (549, 11629), (563, 11650), (566, 11656), (587, 11701), (735, 11995), (741, 12013), (749, 12031), (757, 12043), (762, 12052), (802, 12139), (812, 12169), (816, 12181), (824, 12199), (842, 12229),

Gene: MilanaBonita_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for MilanaBonita_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576,

3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (688, 3893), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: Milcery_10 Start: 7944, Stop: 9377, Start Num: 127

Candidate Starts for Milcery_10:

(Start: 127 @7944 has 330 MA's), (241, 8100), (247, 8112), (252, 8127), (255, 8133), (329, 8301), (343, 8328), (382, 8406), (449, 8487), (488, 8559), (489, 8562), (534, 8634), (549, 8667), (563, 8688), (573, 8706), (577, 8718), (605, 8763), (710, 8979), (735, 9033), (741, 9051), (762, 9090), (812, 9207), (824, 9237), (842, 9267), (867, 9291),

Gene: Miley16_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Miley16_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: MilleFeuille_11 Start: 8170, Stop: 9612, Start Num: 158

Candidate Starts for MilleFeuille_11:

(109, 8104), (Start: 158 @8170 has 220 MA's), (263, 8368), (365, 8581), (482, 8776), (489, 8788), (545, 8887), (667, 9082), (682, 9121), (710, 9199), (712, 9205), (734, 9250), (735, 9253), (739, 9265), (743, 9274), (762, 9307), (785, 9364), (824, 9454), (845, 9487), (857, 9499),

Gene: MilleniumForce_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for MilleniumForce_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (675, 3857), (684, 3881), (686, 3887), (688, 3893), (710, 3950), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: Millski_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Millski_12:

(Start: 124 @8581 has 299 MA's), (229, 8728), (233, 8740), (316, 8908), (324, 8938), (343, 8977), (352, 8995), (382, 9055), (476, 9184), (482, 9202), (489, 9214), (545, 9313), (549, 9319), (563, 9340), (566, 9346), (599, 9415), (642, 9475), (663, 9520), (710, 9646), (711, 9649), (735, 9700), (743, 9721), (757, 9751), (798, 9841), (812, 9877), (824, 9907), (845, 9937),

Gene: Milly_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for Milly_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (345, 2526), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: MinecraftSteve_16 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for MinecraftSteve_16:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: MiniLon_6 Start: 2762, Stop: 4405, Start Num: 131

Candidate Starts for MiniLon_6:

(Start: 131 @2762 has 70 MA's), (178, 2822), (249, 2963), (253, 2972), (266, 3002), (305, 3074), (328, 3140), (367, 3188), (441, 3281), (469, 3320), (492, 3377), (495, 3383), (501, 3395), (510, 3410), (517, 3419), (527, 3434), (638, 3623), (652, 3656), (668, 3695), (684, 3737), (767, 3920), (782, 3962), (799, 3989), (803, 3998), (824, 4058), (840, 4088), (849, 4097), (908, 4172), (925, 4205),

Gene: MiniMac_6 Start: 2762, Stop: 4405, Start Num: 131

Candidate Starts for MiniMac_6:

(Start: 131 @2762 has 70 MA's), (178, 2822), (253, 2972), (266, 3002), (305, 3074), (328, 3140), (367, 3188), (441, 3281), (469, 3320), (492, 3377), (495, 3383), (501, 3395), (510, 3410), (517, 3419), (527, 3434), (638, 3623), (652, 3656), (668, 3695), (684, 3737), (767, 3920), (782, 3962), (799, 3989), (803, 3998), (824, 4058), (840, 4088), (849, 4097), (908, 4172), (925, 4205),

Gene: MiniMommy_3 Start: 2299, Stop: 3663, Start Num: 148

Candidate Starts for MiniMommy_3:

(Start: 148 @2299 has 57 MA's), (215, 2413), (Start: 222 @2422 has 4 MA's), (266, 2521), (534, 2962), (535, 2965), (663, 3184), (699, 3262), (789, 3481), (799, 3490),

Gene: MinionDave_4 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for MinionDave_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (687, 3890), (688, 3893), (710, 3950), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: Minispark_11 Start: 7969, Stop: 9453, Start Num: 127

Candidate Starts for Minispark_11:

(Start: 127 @7969 has 330 MA's), (182, 8029), (225, 8116), (233, 8134), (329, 8344), (365, 8416), (402, 8473), (466, 8560), (482, 8593), (508, 8629), (514, 8638), (534, 8677), (545, 8704), (549, 8710), (563, 8731), (566, 8737), (587, 8782), (624, 8821), (735, 9079), (741, 9097), (757, 9127), (762, 9136), (810, 9247), (812, 9253), (824, 9283), (857, 9328), (867, 9337),

Gene: Minnie_3 Start: 2291, Stop: 3625, Start Num: 180

Candidate Starts for Minnie_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Miramae_12 Start: 8532, Stop: 9986, Start Num: 124

Candidate Starts for Miramae_12:

(Start: 124 @8532 has 299 MA's), (229, 8682), (233, 8694), (308, 8841), (316, 8862), (324, 8892), (343, 8931), (352, 8949), (382, 9009), (476, 9138), (482, 9156), (489, 9168), (545, 9267), (549, 9273), (563, 9294), (566, 9300), (599, 9369), (663, 9474), (687, 9537), (710, 9600), (711, 9603), (735, 9654), (737, 9660), (743, 9675), (757, 9705), (798, 9795), (812, 9831), (824, 9861), (845, 9891), (917, 9972),

Gene: Mireles_5 Start: 2660, Stop: 4129, Start Num: 123

Candidate Starts for Mireles_5:

(Start: 123 @2660 has 47 MA's), (188, 2741), (224, 2810), (258, 2885), (263, 2897), (308, 2981), (328, 3041), (441, 3203), (532, 3344), (549, 3383), (602, 3494), (614, 3503), (655, 3563), (658, 3569), (666, 3587), (702, 3683), (711, 3710), (735, 3761), (739, 3773), (800, 3899), (807, 3917), (811, 3929), (845, 4001), (929, 4115),

Gene: Miryou_7 Start: 2766, Stop: 4301, Start Num: 83

Candidate Starts for Miryou_7:

(Start: 83 @2766 has 142 MA's), (Start: 154 @2838 has 46 MA's), (182, 2874), (186, 2883), (201, 2928), (248, 3012), (253, 3024), (266, 3054), (281, 3072), (305, 3123), (319, 3159), (327, 3186), (356, 3237), (359, 3240), (362, 3246), (369, 3261), (370, 3264), (414, 3336), (428, 3357), (444, 3387), (473, 3432), (495, 3486), (522, 3531), (537, 3564), (555, 3600), (557, 3603), (558, 3606), (624, 3669), (635, 3687), (637, 3693), (666, 3765), (670, 3777), (672, 3780), (677, 3795), (701, 3840), (702, 3855), (709, 3876), (734, 3930), (735, 3933), (741, 3951), (749, 3966), (780, 4032), (787, 4047), (803, 4068), (809, 4086), (813, 4104), (828, 4140), (899, 4227),

Gene: Misha28_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for Misha28_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Miskis_29 Start: 10219, Stop: 11835, Start Num: 104

Candidate Starts for Miskis_29:

(Start: 104 @10219 has 19 MA's), (Start: 143 @10270 has 5 MA's), (Start: 151 @10279 has 63 MA's), (Start: 193 @10339 has 1 MA's), (Start: 222 @10396 has 4 MA's), (240, 10432), (258, 10477), (269, 10504), (365, 10708), (379, 10738), (403, 10774), (431, 10819), (435, 10828), (444, 10843), (532, 10981), (533, 10984), (539, 11002), (541, 11008), (566, 11050), (644, 11242), (675, 11329), (686, 11359), (704, 11404), (722, 11452), (730, 11467), (756, 11530), (769, 11554), (771, 11560), (775, 11569), (806, 11638), (824, 11689), (825, 11692), (829, 11704),

Gene: Misomonster_16 Start: 8737, Stop: 10191, Start Num: 124

Candidate Starts for Misomonster_16:

(Start: 124 @8737 has 299 MA's), (Start: 157 @8767 has 14 MA's), (182, 8794), (233, 8899), (298, 9013), (320, 9079), (343, 9136), (382, 9214), (384, 9217), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (663, 9661), (710, 9787), (735, 9841), (737, 9847), (743, 9862), (762, 9898), (802, 9985), (812, 10015), (824, 10045), (857, 10090), (867, 10099),

Gene: MissDaisy_10 Start: 3878, Stop: 5464, Start Num: 81

Candidate Starts for MissDaisy_10:

(Start: 75 @3863 has 32 MA's), (Start: 81 @3878 has 28 MA's), (Start: 101 @3902 has 1 MA's), (Start: 154 @3968 has 46 MA's), (186, 4013), (Start: 222 @4085 has 4 MA's), (248, 4142), (249, 4145), (253,

4154), (266, 4184), (305, 4253), (314, 4274), (319, 4289), (324, 4310), (327, 4316), (345, 4340), (362, 4376), (369, 4391), (388, 4430), (476, 4565), (479, 4574), (488, 4592), (500, 4619), (501, 4622), (522, 4655), (537, 4688), (546, 4709), (558, 4730), (624, 4793), (637, 4817), (645, 4841), (666, 4889), (670, 4901), (675, 4913), (677, 4919), (697, 4958), (739, 5072), (741, 5078), (803, 5249), (812, 5276), (813, 5285), (845, 5348), (857, 5360),

Gene: MissSwiss_3 Start: 2285, Stop: 3661, Start Num: 148

Candidate Starts for MissSwiss_3:

(Start: 148 @2285 has 57 MA's), (215, 2396), (Start: 222 @2405 has 4 MA's), (266, 2504), (355, 2666), (536, 2951), (580, 3041), (675, 3200), (699, 3248), (705, 3278), (713, 3302), (799, 3476),

Gene: MissWhite_13 Start: 8253, Stop: 9710, Start Num: 127

Candidate Starts for MissWhite_13:

(Start: 127 @8253 has 330 MA's), (Start: 143 @8274 has 5 MA's), (182, 8313), (233, 8418), (365, 8700), (438, 8805), (489, 8892), (534, 8964), (545, 8991), (549, 8997), (563, 9018), (735, 9363), (743, 9384), (757, 9411), (762, 9420), (812, 9537), (824, 9567), (842, 9597), (867, 9621),

Gene: MisterCuddles_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for MisterCuddles_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Mitti_10 Start: 3935, Stop: 5521, Start Num: 81

Candidate Starts for Mitti_10:

(Start: 75 @3920 has 32 MA's), (Start: 81 @3935 has 28 MA's), (Start: 101 @3959 has 1 MA's), (Start: 154 @4025 has 46 MA's), (186, 4070), (248, 4199), (252, 4208), (253, 4211), (266, 4241), (305, 4310), (314, 4331), (324, 4367), (327, 4373), (345, 4397), (362, 4433), (369, 4448), (388, 4487), (476, 4622), (479, 4631), (488, 4649), (500, 4676), (501, 4679), (522, 4712), (537, 4745), (546, 4766), (558, 4787), (624, 4850), (637, 4874), (645, 4898), (666, 4946), (670, 4958), (675, 4970), (677, 4976), (697, 5015), (739, 5129), (741, 5135), (803, 5306), (812, 5333), (813, 5342), (845, 5405), (857, 5417),

Gene: MkaliMitinis3_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for MkaliMitinis3_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Mkhuseli_13 Start: 8763, Stop: 10205, Start Num: 158

Candidate Starts for Mkhuseli_13:

(109, 8697), (Start: 158 @8763 has 220 MA's), (233, 8898), (263, 8961), (365, 9174), (482, 9369), (489, 9381), (545, 9480), (667, 9675), (682, 9714), (710, 9792), (712, 9798), (735, 9846), (739, 9858), (743, 9867), (785, 9957), (824, 10047), (845, 10080), (857, 10092),

Gene: Modragons_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for Modragons_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Molly_13 Start: 8462, Stop: 9904, Start Num: 158

Candidate Starts for Molly_13:

(109, 8396), (Start: 158 @8462 has 220 MA's), (263, 8660), (365, 8873), (482, 9068), (484, 9071), (545, 9179), (667, 9374), (682, 9413), (710, 9491), (712, 9497), (735, 9545), (739, 9557), (743, 9566), (785, 9656), (824, 9746), (845, 9779), (857, 9791),

Gene: Mollymur_14 Start: 8741, Stop: 10309, Start Num: 102

Candidate Starts for Mollymur_14:

(Start: 102 @8741 has 24 MA's), (Start: 143 @8792 has 5 MA's), (201, 8894), (238, 8954), (240, 8957), (258, 9002), (309, 9107), (365, 9206), (366, 9209), (409, 9281), (413, 9287), (447, 9347), (507, 9440), (530, 9467), (532, 9473), (533, 9476), (541, 9500), (576, 9563), (590, 9602), (617, 9671), (672, 9809), (684, 9842), (686, 9848), (705, 9896), (713, 9920), (741, 9983), (774, 10055), (779, 10070), (806, 10127), (824, 10178), (825, 10181), (829, 10193),

Gene: Monet_14 Start: 9659, Stop: 11101, Start Num: 158

Candidate Starts for Monet_14:

(109, 9593), (Start: 158 @9659 has 220 MA's), (263, 9857), (365, 10070), (482, 10265), (489, 10277), (545, 10376), (584, 10448), (667, 10571), (682, 10610), (710, 10688), (712, 10694), (735, 10742), (739, 10754), (743, 10763), (785, 10853), (824, 10943), (845, 10976), (857, 10988),

Gene: MoneyMay_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for MoneyMay_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Montavir_13 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for Montavir_13:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Moonbeam_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Moonbeam_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (675, 3194), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Moose_11 Start: 8695, Stop: 10137, Start Num: 158

Candidate Starts for Moose_11:

(109, 8629), (Start: 158 @8695 has 220 MA's), (263, 8893), (365, 9106), (482, 9301), (489, 9313), (545, 9412), (584, 9484), (667, 9607), (682, 9646), (710, 9724), (712, 9730), (735, 9778), (739, 9790), (743, 9799), (785, 9889), (824, 9979), (845, 10012), (857, 10024),

Gene: Moostard_6 Start: 2752, Stop: 4395, Start Num: 131

Candidate Starts for Moostard_6:

(Start: 131 @2752 has 70 MA's), (178, 2812), (253, 2962), (266, 2992), (305, 3064), (328, 3130), (367, 3178), (441, 3271), (469, 3310), (492, 3367), (495, 3373), (510, 3400), (517, 3409), (527, 3424), (638, 3613), (652, 3646), (668, 3685), (684, 3727), (767, 3910), (782, 3952), (799, 3979), (803, 3988), (824, 4048), (840, 4078), (849, 4087), (908, 4162), (925, 4195),

Gene: Morkie_3 Start: 1754, Stop: 3208, Start Num: 126

Candidate Starts for Morkie_3:

(Start: 126 @1754 has 23 MA's), (Start: 154 @1781 has 46 MA's), (186, 1823), (214, 1883), (229, 1907), (246, 1937), (292, 2027), (301, 2042), (316, 2087), (322, 2108), (326, 2120), (355, 2165), (395, 2234), (432, 2276), (452, 2306), (482, 2357), (532, 2432), (556, 2483), (574, 2513), (591, 2558), (602, 2582), (642, 2630), (649, 2645), (710, 2810), (735, 2864), (736, 2867), (797, 3002), (811, 3038), (880, 3143),

Gene: Morpher26_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for Morpher26_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (355, 9013), (382, 9064), (476, 9193), (482, 9211), (514, 9256), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (599, 9424), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (737, 9715), (741, 9727), (743, 9730), (757, 9757), (802, 9853), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: Morrow_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Morrow_12:

(Start: 124 @8581 has 299 MA's), (229, 8728), (233, 8740), (316, 8908), (324, 8938), (343, 8977), (352, 8995), (382, 9055), (476, 9184), (482, 9202), (489, 9214), (545, 9313), (549, 9319), (563, 9340), (566, 9346), (599, 9415), (642, 9475), (663, 9520), (710, 9646), (711, 9649), (735, 9700), (737, 9706), (743, 9721), (757, 9751), (798, 9841), (812, 9877), (824, 9907), (845, 9937),

Gene: MortyNRick_3 Start: 2144, Stop: 3622, Start Num: 110

Candidate Starts for MortyNRick_3:

(Start: 110 @2144 has 11 MA's), (Start: 140 @2177 has 4 MA's), (Start: 148 @2186 has 57 MA's), (182, 2225), (192, 2246), (Start: 193 @2249 has 1 MA's), (194, 2252), (242, 2342), (246, 2351), (247, 2354), (300, 2441), (301, 2444), (319, 2498), (335, 2546), (348, 2561), (355, 2573), (368, 2597), (390, 2636), (435, 2687), (447, 2705), (466, 2735), (468, 2738), (480, 2759), (484, 2768), (496, 2783), (498, 2786), (514, 2810), (542, 2873), (549, 2882), (575, 2927), (583, 2945), (587, 2954), (631, 3023), (647, 3065), (695, 3179), (710, 3233), (725, 3269), (741, 3305), (762, 3344), (767, 3350), (798, 3425), (800, 3428), (807, 3446), (888, 3569),

Gene: MosMoris_34 Start: 12039, Stop: 13604, Start Num: 76

Candidate Starts for MosMoris_34:

(Start: 76 @12039 has 19 MA's), (165, 12156), (231, 12276), (255, 12321), (258, 12330), (308, 12420), (323, 12468), (324, 12471), (353, 12513), (355, 12516), (368, 12540), (423, 12612), (425, 12615), (450, 12654), (460, 12675), (462, 12678), (488, 12723), (539, 12813), (542, 12822), (549, 12831), (574, 12873), (575, 12876), (592, 12915), (619, 12957), (625, 12963), (628, 12966), (647, 13011), (674, 13080), (710, 13179), (714, 13191), (763, 13290), (789, 13356), (802, 13377), (807, 13392), (856, 13485), (870, 13500),

Gene: Moss_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Moss_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (672, 3231), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690),

Gene: Mova_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Mova_4:

(122, 2164), (Start: 123 @2167 has 47 MA's), (Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532),

Gene: Mowgli_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Mowgli_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Moyashi_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Moyashi_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: Mozy_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for Mozy_4:

(122, 2162), (Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (253, 2387), (266, 2417), (305, 2486), (314, 2507), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (415, 2702), (441, 2744), (492, 2840), (500, 2855), (501, 2858), (506, 2867), (527, 2897), (531, 2906), (546, 2945), (557, 2963), (558, 2966), (575, 2996), (637, 3053), (652, 3092), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (713, 3251), (768, 3359), (803, 3431), (805, 3437), (808, 3446), (811, 3455), (812, 3458), (835, 3518), (845, 3530), (870, 3554), (889, 3578),

Gene: MrAK_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for MrAK_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737,

2930), (743, 2945), (762, 2984), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: MrGordo_12 Start: 8414, Stop: 9856, Start Num: 158

Candidate Starts for MrGordo_12:

(109, 8348), (Start: 158 @8414 has 220 MA's), (263, 8612), (365, 8825), (482, 9020), (489, 9032), (545, 9131), (667, 9326), (682, 9365), (710, 9443), (712, 9449), (735, 9497), (739, 9509), (743, 9518), (762, 9551), (785, 9608), (824, 9698), (845, 9731), (857, 9743),

Gene: MrMagoo_19 Start: 6838, Stop: 8439, Start Num: 93

Candidate Starts for MrMagoo_19:

(Start: 93 @6838 has 23 MA's), (215, 7027), (235, 7060), (243, 7072), (252, 7096), (263, 7123), (266, 7129), (305, 7201), (308, 7207), (318, 7234), (319, 7237), (361, 7300), (363, 7303), (371, 7321), (466, 7438), (495, 7495), (531, 7555), (534, 7564), (557, 7612), (558, 7615), (640, 7738), (659, 7774), (678, 7825), (680, 7828), (697, 7858), (701, 7867), (721, 7933), (722, 7936), (735, 7960), (778, 8050), (803, 8098), (862, 8209), (914, 8281),

Gene: MrSmee_3 Start: 1758, Stop: 3161, Start Num: 105

Candidate Starts for MrSmee_3:

(Start: 105 @1758 has 79 MA's), (Start: 154 @1809 has 46 MA's), (164, 1821), (182, 1839), (184, 1842), (197, 1875), (236, 1944), (252, 1980), (255, 1986), (260, 2001), (269, 2022), (272, 2028), (298, 2055), (308, 2088), (312, 2094), (322, 2130), (323, 2136), (382, 2238), (400, 2262), (402, 2265), (407, 2271), (432, 2295), (439, 2310), (441, 2313), (531, 2451), (532, 2454), (537, 2469), (549, 2493), (574, 2535), (577, 2544), (588, 2568), (602, 2598), (645, 2640), (649, 2649), (652, 2658), (658, 2673), (666, 2691), (709, 2808), (740, 2883), (787, 2988), (789, 2994), (802, 3015), (807, 3030), (824, 3075), (876, 3132),

Gene: Mryolo_11 Start: 8444, Stop: 9886, Start Num: 158

Candidate Starts for Mryolo_11:

(109, 8378), (Start: 158 @8444 has 220 MA's), (263, 8642), (365, 8855), (482, 9050), (489, 9062), (545, 9161), (584, 9233), (667, 9356), (682, 9395), (710, 9473), (712, 9479), (735, 9527), (739, 9539), (743, 9548), (785, 9638), (824, 9728), (845, 9761), (857, 9773),

Gene: Ms6_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Ms6_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: MsGreen_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for MsGreen_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: MuchMore_16 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for MuchMore_16:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Muddy_6 Start: 3669, Stop: 5192, Start Num: 123

Candidate Starts for Muddy_6:

(70, 3585), (Start: 123 @3669 has 47 MA's), (139, 3684), (182, 3726), (229, 3819), (233, 3831), (253, 3870), (257, 3879), (263, 3894), (296, 3957), (298, 3969), (303, 3984), (320, 4035), (324, 4053), (382, 4164), (549, 4428), (585, 4497), (601, 4536), (695, 4698), (705, 4737), (734, 4803), (740, 4821), (787, 4914), (795, 4929),

Gene: Mudpuppy_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Mudpuppy_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Mufasa_5 Start: 2085, Stop: 3590, Start Num: 81

Candidate Starts for Mufasa_5:

(43, 1944), (Start: 81 @2085 has 28 MA's), (98, 2103), (Start: 123 @2130 has 47 MA's), (Start: 154 @2151 has 46 MA's), (182, 2187), (Start: 222 @2268 has 4 MA's), (248, 2325), (253, 2337), (263, 2361), (266, 2367), (301, 2418), (305, 2436), (314, 2457), (324, 2493), (327, 2499), (345, 2523), (362, 2559), (414, 2649), (428, 2670), (442, 2697), (467, 2739), (473, 2745), (479, 2763), (501, 2811), (522, 2844), (546, 2898), (558, 2919), (575, 2949), (624, 2982), (635, 3000), (637, 3006), (645, 3030), (670, 3090), (675, 3102), (677, 3108), (697, 3147), (741, 3267), (767, 3309), (811, 3408), (812, 3411), (813, 3420), (835, 3471), (877, 3516), (924, 3567),

Gene: MulchExplorer_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for MulchExplorer_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (441, 2746), (495, 2848), (501, 2860), (506, 2869), (527, 2899), (531, 2908), (546, 2947), (557, 2965), (558, 2968), (575, 2998), (637, 3055), (652, 3094), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: MulchSalad_3 Start: 2290, Stop: 3612, Start Num: 180

Candidate Starts for MulchSalad_3:

(Start: 156 @2254 has 163 MA's), (Start: 180 @2290 has 9 MA's), (Start: 193 @2314 has 1 MA's), (196, 2323), (198, 2329), (199, 2332), (Start: 222 @2371 has 4 MA's), (250, 2434), (252, 2437), (253, 2440), (290, 2509), (293, 2515), (305, 2548), (309, 2557), (324, 2605), (365, 2665), (375, 2686), (391, 2713), (423, 2758), (465, 2803), (490, 2830), (514, 2875), (532, 2896), (533, 2899), (534, 2902), (541, 2923), (546, 2932), (575, 2983), (576, 2986), (579, 2995), (592, 3025), (603, 3046), (641, 3115), (646, 3124), (662, 3175), (664, 3178), (686, 3238), (688, 3244), (735, 3355), (739, 3367), (751, 3400), (754, 3406), (769, 3430),

Gene: Mulciber_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Mulciber_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Mule_12 Start: 8730, Stop: 10172, Start Num: 158

Candidate Starts for Mule_12:

(109, 8664), (Start: 158 @8730 has 220 MA's), (263, 8928), (365, 9141), (482, 9336), (545, 9447), (667, 9642), (682, 9681), (710, 9759), (712, 9765), (735, 9813), (739, 9825), (743, 9834), (785, 9924), (824, 10014), (845, 10047), (857, 10059),

Gene: Munch_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Munch_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Mundrea_12 Start: 8540, Stop: 9991, Start Num: 124

Candidate Starts for Mundrea_12:

(Start: 124 @8540 has 299 MA's), (229, 8690), (233, 8702), (243, 8714), (263, 8765), (316, 8870), (324, 8900), (343, 8939), (352, 8957), (382, 9017), (476, 9143), (482, 9161), (489, 9173), (542, 9269), (545, 9272), (549, 9278), (563, 9299), (566, 9305), (574, 9320), (599, 9374), (642, 9434), (663, 9479), (710, 9605), (711, 9608), (735, 9659), (743, 9680), (802, 9806), (812, 9836), (824, 9866), (845, 9896),

Gene: MunkgeeRoachy_5 Start: 2837, Stop: 4294, Start Num: 159

Candidate Starts for MunkgeeRoachy_5:

(Start: 159 @2837 has 63 MA's), (184, 2861), (238, 2972), (242, 2975), (246, 2984), (297, 3065), (322, 3149), (326, 3161), (365, 3230), (466, 3377), (489, 3419), (531, 3482), (537, 3500), (539, 3506), (545, 3518), (549, 3524), (602, 3635), (663, 3752), (674, 3779), (687, 3815), (739, 3944), (741, 3950), (762, 3983), (785, 4040), (787, 4043), (800, 4067), (811, 4097), (835, 4157), (836, 4160), (923, 4271),

Gene: MurphyJoseph_4 Start: 2272, Stop: 3609, Start Num: 155

Candidate Starts for MurphyJoseph_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (89, 2194), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 129 @2245 has 6 MA's), (Start: 140 @2260 has 4 MA's), (Start: 155 @2272 has 140 MA's), (190, 2320), (224, 2383), (229, 2395), (353, 2653), (382, 2710), (418, 2758), (435, 2779), (477, 2845), (480, 2854), (498, 2881), (541, 2962), (549, 2974), (551, 2977), (565, 3001), (585, 3043), (667, 3169), (687, 3223), (710, 3286), (734, 3337), (738, 3349), (758, 3388), (787, 3454), (824, 3535), (825, 3538), (828, 3544), (877, 3595),

Gene: Murucutumbu_9 Start: 2995, Stop: 4548, Start Num: 83

Candidate Starts for Murucutumbu_9:

(38, 2752), (44, 2866), (46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3097), (182, 3106), (Start: 222 @3187 has 4 MA's), (232, 3211), (248, 3244), (252, 3253), (266, 3286), (305, 3355), (314, 3376), (327, 3418), (362, 3481), (369, 3496), (414, 3571), (428, 3592), (444, 3622), (501, 3733), (522, 3766), (537, 3799), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (758, 4213), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: Museum_14 Start: 8748, Stop: 10190, Start Num: 158

Candidate Starts for Museum_14:

(109, 8682), (Start: 158 @8748 has 220 MA's), (263, 8946), (365, 9159), (482, 9354), (484, 9357), (545, 9465), (584, 9537), (667, 9660), (682, 9699), (710, 9777), (712, 9783), (735, 9831), (739, 9843), (743, 9852), (785, 9942), (824, 10032), (845, 10065), (857, 10077),

Gene: Mutaforma13_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Mutaforma13_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Mwanjiwa_3 Start: 2272, Stop: 3597, Start Num: 179

Candidate Starts for Mwanjiwa_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: Mynx_9 Start: 3031, Stop: 4602, Start Num: 75

Candidate Starts for Mynx_9:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3145), (182, 3154), (215, 3226), (Start: 222 @3235 has 4 MA's), (232, 3259), (248, 3292), (252, 3301), (266, 3334), (305, 3403), (314, 3424), (327, 3466), (362, 3532), (369, 3547), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: MyraDee_10 Start: 6714, Stop: 8150, Start Num: 127

Candidate Starts for MyraDee_10:

(Start: 127 @6714 has 330 MA's), (233, 6867), (255, 6909), (482, 7326), (488, 7335), (534, 7410), (545, 7437), (549, 7443), (563, 7464), (605, 7539), (624, 7554), (663, 7629), (735, 7809), (737, 7815), (743, 7830), (762, 7866), (810, 7977), (816, 7995), (824, 8013), (842, 8043), (857, 8052), (867, 8061),

Gene: Mysterium_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Mysterium_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690), (949, 3804),

Gene: Myxus_14 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for Myxus_14:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (577, 10688), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: NEHalo_12 Start: 8256, Stop: 9698, Start Num: 158

Candidate Starts for NEHalo_12:

(109, 8190), (Start: 158 @8256 has 220 MA's), (263, 8454), (365, 8667), (482, 8862), (489, 8874), (545, 8973), (667, 9168), (682, 9207), (710, 9285), (712, 9291), (735, 9339), (739, 9351), (743, 9360), (762, 9393), (785, 9450), (824, 9540), (845, 9573), (857, 9585),

Gene: NaSiaTalie_13 Start: 9265, Stop: 10725, Start Num: 127

Candidate Starts for NaSiaTalie_13:

(Start: 127 @9265 has 330 MA's), (182, 9325), (229, 9418), (233, 9430), (365, 9712), (382, 9745), (484, 9892), (489, 9901), (508, 9925), (534, 9973), (545, 10000), (549, 10006), (563, 10027), (687, 10255), (735, 10372), (743, 10393), (757, 10420), (762, 10429), (812, 10546), (824, 10576), (842, 10606), (867, 10630),

Gene: Nabi_7 Start: 4053, Stop: 5489, Start Num: 155

Candidate Starts for Nabi_7:

(Start: 144 @4047 has 15 MA's), (Start: 155 @4053 has 140 MA's), (174, 4077), (188, 4101), (Start: 222 @4170 has 4 MA's), (246, 4218), (249, 4230), (266, 4269), (328, 4422), (361, 4452), (412, 4536), (444, 4578), (479, 4644), (530, 4734), (534, 4746), (573, 4821), (579, 4839), (629, 4917), (645, 4962), (669, 5019), (760, 5232), (773, 5256), (827, 5388), (908, 5475),

Gene: Naca_10 Start: 7848, Stop: 9281, Start Num: 127

Candidate Starts for Naca_10:

(Start: 127 @7848 has 330 MA's), (225, 7977), (247, 8016), (252, 8031), (329, 8205), (343, 8232), (365, 8277), (382, 8310), (400, 8331), (449, 8391), (488, 8463), (489, 8466), (534, 8538), (549, 8571), (563, 8592), (577, 8622), (710, 8883), (735, 8937), (741, 8955), (762, 8994), (812, 9111), (824, 9141), (842, 9171), (857, 9186), (867, 9195),

Gene: NadineRae_25 Start: 11379, Stop: 13001, Start Num: 84

Candidate Starts for NadineRae_25:

(20, 10932), (24, 10995), (31, 11043), (Start: 84 @11379 has 7 MA's), (Start: 121 @11424 has 32 MA's), (Start: 148 @11457 has 57 MA's), (370, 11928), (460, 12063), (496, 12108), (570, 12240), (581, 12270), (633, 12351), (667, 12447), (678, 12477), (684, 12492), (735, 12615), (738, 12624), (750, 12660), (759, 12684), (788, 12750), (799, 12768), (803, 12777), (818, 12822),

Gene: Naiad_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Naiad_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Naira_13 Start: 9995, Stop: 11437, Start Num: 158

Candidate Starts for Naira_13:

(109, 9929), (Start: 158 @9995 has 220 MA's), (263, 10193), (365, 10406), (482, 10601), (489, 10613), (545, 10712), (667, 10907), (682, 10946), (710, 11024), (712, 11030), (735, 11078), (739, 11090), (743, 11099), (785, 11189), (824, 11279), (845, 11312), (857, 11324),

Gene: Nairb_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for Nairb_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: Naji_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for Naji_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (355, 9588), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266),

(743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: Nancinator_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Nancinator_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Nanodon_9 Start: 4252, Stop: 5685, Start Num: 155

Candidate Starts for Nanodon_9:

(Start: 144 @4246 has 15 MA's), (Start: 155 @4252 has 140 MA's), (174, 4276), (188, 4300), (Start: 222 @4369 has 4 MA's), (246, 4417), (266, 4468), (328, 4621), (361, 4651), (412, 4735), (444, 4777), (458, 4804), (481, 4846), (530, 4930), (534, 4942), (579, 5035), (629, 5113), (645, 5158), (669, 5215), (773, 5452), (882, 5650), (908, 5671),

Gene: Nanosmite_19 Start: 7056, Stop: 8660, Start Num: 93

Candidate Starts for Nanosmite_19:

(Start: 93 @7056 has 23 MA's), (235, 7278), (243, 7290), (263, 7341), (266, 7347), (305, 7419), (308, 7425), (319, 7455), (320, 7458), (327, 7482), (359, 7515), (363, 7524), (367, 7533), (501, 7728), (531, 7776), (557, 7833), (573, 7860), (640, 7959), (659, 7995), (680, 8049), (697, 8079), (699, 8082), (721, 8154), (722, 8157), (734, 8178), (789, 8301), (891, 8460), (914, 8502), (922, 8517),

Gene: NatB6_25 Start: 13946, Stop: 15535, Start Num: 121

Candidate Starts for NatB6_25:

(Start: 121 @13946 has 32 MA's), (Start: 124 @13952 has 299 MA's), (138, 13967), (Start: 145 @13976 has 30 MA's), (182, 14030), (266, 14222), (305, 14300), (315, 14324), (323, 14354), (440, 14558), (460, 14585), (487, 14612), (533, 14702), (570, 14774), (576, 14789), (581, 14804), (633, 14885), (684, 15026), (722, 15125), (730, 15140), (735, 15149), (738, 15158), (750, 15194), (759, 15218), (799, 15302), (803, 15311), (818, 15356),

Gene: Natosaleda_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Natosaleda_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: NearlyHeadless_10 Start: 7460, Stop: 8890, Start Num: 127

Candidate Starts for NearlyHeadless_10:

(35, 7112), (Start: 127 @7460 has 330 MA's), (232, 7610), (308, 7757), (365, 7892), (449, 8003), (482, 8066), (514, 8111), (545, 8177), (563, 8204), (663, 8369), (702, 8471), (735, 8549), (737, 8555), (762, 8606), (812, 8723), (824, 8753), (867, 8807),

Gene: Nebkiss_3 Start: 3367, Stop: 4800, Start Num: 102

Candidate Starts for Nebkiss_3:

(Start: 102 @3367 has 24 MA's), (Start: 126 @3397 has 23 MA's), (Start: 136 @3406 has 3 MA's), (Start: 154 @3424 has 46 MA's), (236, 3562), (247, 3583), (257, 3610), (258, 3613), (292, 3673), (301, 3688), (302, 3691), (306, 3709), (308, 3712), (312, 3718), (327, 3769), (348, 3805), (352, 3808), (362, 3829), (395, 3886), (414, 3913), (426, 3928), (439, 3943), (484, 4009), (508, 4042), (531, 4081), (532, 4084), (534, 4090), (539, 4105), (542, 4114), (549, 4123), (575, 4168), (583, 4186), (593, 4213), (667, 4330), (670, 4339), (674, 4348), (684, 4375), (687, 4384), (709, 4444), (719, 4468), (733, 4495), (739,

4516), (762, 4564), (785, 4621), (797, 4642), (802, 4651), (825, 4714), (828, 4723), (889, 4786),

Gene: Nebs_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Nebs_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Nebulosus_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for Nebulosus_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (663, 9310), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: Nedarya_14 Start: 8970, Stop: 10430, Start Num: 127

Candidate Starts for Nedarya_14:

(Start: 127 @8970 has 330 MA's), (182, 9030), (233, 9135), (247, 9156), (264, 9201), (365, 9417), (382, 9450), (432, 9510), (534, 9681), (545, 9708), (549, 9714), (563, 9735), (574, 9756), (675, 9930), (709, 10023), (710, 10026), (721, 10053), (735, 10080), (743, 10101), (757, 10128), (762, 10137), (812, 10254), (824, 10284), (867, 10338),

Gene: Neeharika16_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Neeharika16_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Neighly_7 Start: 2528, Stop: 4066, Start Num: 83

Candidate Starts for Neighly_7:

(Start: 83 @2528 has 142 MA's), (175, 2630), (182, 2639), (201, 2693), (248, 2777), (253, 2789), (266, 2819), (281, 2837), (305, 2888), (319, 2924), (326, 2948), (327, 2951), (359, 3005), (369, 3026), (414, 3101), (428, 3122), (444, 3152), (473, 3197), (495, 3251), (522, 3296), (537, 3329), (555, 3365), (558, 3371), (624, 3434), (635, 3452), (666, 3530), (670, 3542), (672, 3545), (677, 3560), (701, 3605), (702, 3620), (709, 3641), (711, 3647), (734, 3695), (735, 3698), (741, 3716), (749, 3731), (780, 3797), (787, 3812), (803, 3833), (813, 3869), (828, 3905), (899, 3992),

Gene: Nemo27_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Nemo27_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (489, 9210), (545, 9309), (549, 9315), (563, 9336), (566, 9342), (599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (824, 9903), (845, 9933),

Gene: Neoh_3 Start: 1889, Stop: 3403, Start Num: 105

Candidate Starts for Neoh_3:

(14, 1322), (24, 1490), (26, 1505), (39, 1634), (Start: 105 @1889 has 79 MA's), (161, 1952), (164, 1955), (173, 1964), (246, 2096), (315, 2243), (316, 2246), (362, 2336), (382, 2375), (390, 2387), (439, 2450), (442, 2456), (471, 2498), (494, 2531), (532, 2594), (549, 2633), (574, 2675), (591, 2720), (602, 2744), (614, 2753), (649, 2810), (666, 2852), (673, 2870), (674, 2873), (735, 3029), (776, 3119), (789, 3155), (811, 3206), (821, 3230),

Gene: Nerdos_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Nerdos_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: Nergal_6 Start: 3615, Stop: 5081, Start Num: 134

Candidate Starts for Nergal_6:

(Start: 134 @3615 has 1 MA's), (Start: 137 @3618 has 1 MA's), (161, 3645), (185, 3684), (225, 3765), (238, 3789), (253, 3825), (257, 3834), (263, 3849), (305, 3924), (310, 3933), (318, 3957), (331, 3999), (441, 4188), (501, 4317), (527, 4359), (548, 4410), (557, 4425), (666, 4590), (682, 4632), (691, 4653), (705, 4695), (734, 4761), (735, 4764), (789, 4884), (799, 4893), (807, 4914), (812, 4929), (842, 4995), (900, 5067),

Gene: Nerujay_13 Start: 9091, Stop: 10533, Start Num: 158

Candidate Starts for Nerujay_13:

(109, 9025), (Start: 158 @9091 has 220 MA's), (263, 9289), (365, 9502), (482, 9697), (545, 9808), (584, 9880), (667, 10003), (682, 10042), (710, 10120), (712, 10126), (735, 10174), (739, 10186), (743, 10195), (785, 10285), (824, 10375), (845, 10408), (857, 10420),

Gene: Nesbitt_3 Start: 2376, Stop: 3785, Start Num: 156

Candidate Starts for Nesbitt_3:

(Start: 151 @2370 has 63 MA's), (Start: 156 @2376 has 163 MA's), (231, 2511), (252, 2556), (258, 2571), (259, 2574), (308, 2664), (326, 2718), (368, 2781), (382, 2808), (412, 2847), (438, 2880), (503, 2976), (511, 2991), (513, 2994), (540, 3051), (578, 3120), (587, 3144), (638, 3234), (669, 3315), (675, 3330), (700, 3384), (710, 3423), (735, 3477), (766, 3540), (812, 3642), (813, 3651), (820, 3663), (821, 3666), (827, 3684), (845, 3711), (869, 3732),

Gene: Nette_4 Start: 2531, Stop: 4096, Start Num: 85

Candidate Starts for Nette_4:

(Start: 85 @2531 has 7 MA's), (100, 2549), (166, 2639), (205, 2717), (246, 2777), (267, 2831), (273, 2843), (298, 2873), (319, 2936), (324, 2957), (330, 2969), (335, 2981), (352, 2993), (365, 3020), (438, 3137), (453, 3155), (494, 3224), (521, 3263), (523, 3269), (525, 3272), (545, 3320), (568, 3356), (635, 3455), (643, 3470), (675, 3554), (704, 3635), (720, 3677), (722, 3683), (735, 3707), (798, 3839), (857, 3953), (928, 4064),

Gene: Netyap_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Netyap_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Neuville_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for Neuville_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: Neville_13 Start: 6263, Stop: 7762, Start Num: 102

Candidate Starts for Neville_13:

(97, 6257), (Start: 102 @6263 has 24 MA's), (Start: 140 @6317 has 4 MA's), (174, 6359), (182, 6377), (190, 6395), (Start: 222 @6458 has 4 MA's), (237, 6488), (239, 6491), (244, 6497), (252, 6521), (263, 6548), (305, 6626), (367, 6743), (402, 6800), (454, 6863), (469, 6878), (495, 6935), (501, 6947), (536, 7010), (537, 7013), (541, 7025), (557, 7052), (579, 7097), (603, 7130), (620, 7139), (634, 7160), (678, 7265), (702, 7325), (713, 7358), (720, 7373), (741, 7421), (748, 7433), (758, 7451), (773, 7478), (789, 7523), (794, 7529), (808, 7556), (811, 7565), (828, 7613), (846, 7637), (915, 7721),

Gene: NewHope4_3 Start: 2239, Stop: 3597, Start Num: 156

Candidate Starts for NewHope4_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: NewKitty_4 Start: 2272, Stop: 3609, Start Num: 155

Candidate Starts for NewKitty_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (89, 2194), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 129 @2245 has 6 MA's), (Start: 140 @2260 has 4 MA's), (Start: 155 @2272 has 140 MA's), (190, 2320), (224, 2383), (229, 2395), (353, 2653), (382, 2710), (418, 2758), (477, 2845), (480, 2854), (498, 2881), (541, 2962), (549, 2974), (551, 2977), (565, 3001), (585, 3043), (667, 3169), (687, 3223), (710, 3286), (713, 3295), (738, 3349), (758, 3388), (787, 3454), (824, 3535), (828, 3544), (877, 3595),

Gene: Newwala_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Newwala_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Nhonho_12 Start: 8540, Stop: 9982, Start Num: 158

Candidate Starts for Nhonho_12:

(109, 8474), (Start: 158 @8540 has 220 MA's), (263, 8738), (365, 8951), (482, 9146), (489, 9158), (545, 9257), (584, 9329), (667, 9452), (682, 9491), (710, 9569), (712, 9575), (735, 9623), (739, 9635), (743, 9644), (785, 9734), (824, 9824), (845, 9857), (857, 9869),

Gene: Nibb_8 Start: 3011, Stop: 4555, Start Num: 83

Candidate Starts for Nibb_8:

(44, 2879), (45, 2885), (46, 2906), (Start: 75 @2996 has 32 MA's), (Start: 83 @3011 has 142 MA's), (182, 3119), (Start: 222 @3200 has 4 MA's), (232, 3224), (248, 3257), (314, 3389), (319, 3404), (326, 3428), (327, 3431), (369, 3509), (388, 3548), (428, 3605), (460, 3665), (473, 3680), (479, 3698), (495, 3734), (500, 3743), (522, 3779), (537, 3812), (546, 3833), (558, 3854), (575, 3884), (624, 3917), (635, 3935), (645, 3965), (666, 4013), (670, 4025), (672, 4028), (676, 4040), (677, 4043), (734, 4175), (741, 4196), (751, 4217), (767, 4238), (785, 4289), (787, 4292), (803, 4313), (811, 4337), (813, 4349), (828, 4385), (899, 4472),

Gene: Nibbles_7 Start: 3686, Stop: 5131, Start Num: 159

Candidate Starts for Nibbles_7:

(Start: 159 @3686 has 63 MA's), (Start: 179 @3698 has 2 MA's), (182, 3704), (199, 3746), (214, 3776), (255, 3854), (301, 3923), (365, 4070), (471, 4229), (488, 4259), (496, 4268), (537, 4343), (549, 4367), (552, 4373), (598, 4469), (614, 4487), (633, 4517), (649, 4553), (674, 4616), (695, 4661), (725, 4751), (734, 4766), (738, 4778), (741, 4787), (757, 4811), (787, 4880), (807, 4922), (811, 4934), (812, 4937), (844, 5003), (850, 5009),

Gene: Nichirin_3 Start: 2282, Stop: 3607, Start Num: 179

Candidate Starts for Nichirin_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Nicholas_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Nicholas_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: Nicholasp3_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Nicholasp3_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: NicoleTera_17 Start: 10971, Stop: 12434, Start Num: 127

Candidate Starts for NicoleTera_17:

(Start: 127 @10971 has 330 MA's), (182, 11031), (233, 11136), (365, 11418), (416, 11496), (484, 11601), (534, 11682), (545, 11709), (549, 11715), (563, 11736), (735, 12081), (741, 12099), (743, 12102), (749, 12117), (757, 12129), (762, 12138), (812, 12255), (824, 12285), (842, 12315), (867, 12339),

Gene: NidoQ_3 Start: 2383, Stop: 3762, Start Num: 145

Candidate Starts for NidoQ_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (353, 2779), (419, 2890), (432, 2899), (476, 2980), (484, 3001), (513, 3049), (537, 3097), (569, 3154), (657, 3313), (672, 3346), (695, 3400), (735, 3502), (787, 3604), (789, 3610), (808, 3640), (884, 3754),

Gene: Nikao_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Nikao_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811,

3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: NikkiHotWheels_3 Start: 2383, Stop: 3744, Start Num: 145

Candidate Starts for NikkiHotWheels_3:

(Start: 145 @2383 has 30 MA's), (218, 2500), (244, 2551), (249, 2569), (264, 2605), (298, 2653), (353, 2779), (400, 2860), (419, 2890), (476, 2965), (513, 3034), (518, 3040), (559, 3124), (569, 3139), (672, 3331), (695, 3385), (741, 3505), (787, 3589), (789, 3595), (851, 3709), (884, 3736),

Gene: Niklas_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for Niklas_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: Nimbo_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Nimbo_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Nina_5 Start: 2789, Stop: 4228, Start Num: 159

Candidate Starts for Nina_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4220),

Gene: Niobe_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Niobe_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: Nishikigoi_7 Start: 3857, Stop: 5332, Start Num: 155

Candidate Starts for Nishikigoi_7:

(Start: 155 @3857 has 140 MA's), (Start: 222 @3974 has 4 MA's), (266, 4073), (305, 4166), (477, 4439), (534, 4544), (573, 4619), (579, 4637), (583, 4649), (585, 4655), (645, 4802), (667, 4853), (669, 4859), (687, 4907), (741, 5039), (773, 5096), (812, 5186), (908, 5318),

Gene: Nitro_3 Start: 2266, Stop: 3648, Start Num: 148

Candidate Starts for Nitro_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (634, 3076), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: Nitzel_4 Start: 2903, Stop: 4261, Start Num: 156

Candidate Starts for Nitzel_4:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (686, 3887), (688, 3893), (718, 3971), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223),

Gene: Nivrat_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Nivrat_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Niza_14 Start: 9768, Stop: 11210, Start Num: 158

Candidate Starts for Niza_14:

(109, 9702), (Start: 158 @9768 has 220 MA's), (263, 9966), (365, 10179), (432, 10278), (482, 10374), (489, 10386), (545, 10485), (584, 10557), (667, 10680), (682, 10719), (710, 10797), (712, 10803), (735, 10851), (739, 10863), (743, 10872), (785, 10962), (824, 11052), (845, 11085), (857, 11097),

Gene: NoShow_3 Start: 2343, Stop: 4004, Start Num: 115

Candidate Starts for NoShow_3:

(Start: 115 @2343 has 2 MA's), (Start: 137 @2376 has 1 MA's), (147, 2388), (198, 2460), (229, 2514), (233, 2526), (246, 2544), (255, 2568), (257, 2574), (313, 2769), (316, 2778), (423, 2961), (457, 3015), (504, 3096), (549, 3180), (695, 3450), (740, 3573), (778, 3642), (795, 3681), (845, 3792),

Gene: Nodigi_6 Start: 2788, Stop: 4230, Start Num: 159

Candidate Starts for Nodigi_6:

(Start: 159 @2788 has 63 MA's), (182, 2803), (231, 2905), (313, 3061), (320, 3082), (322, 3091), (353, 3148), (392, 3220), (484, 3352), (531, 3424), (537, 3442), (549, 3466), (552, 3472), (614, 3586), (632, 3613), (633, 3616), (674, 3715), (737, 3874), (741, 3886), (762, 3922), (768, 3931), (791, 3991), (807, 4024), (835, 4096), (848, 4111), (923, 4222),

Gene: Noella_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Noella_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Noelle_12 Start: 8644, Stop: 10092, Start Num: 124

Candidate Starts for Noelle_12:

(Start: 124 @8644 has 299 MA's), (229, 8794), (233, 8806), (308, 8953), (316, 8974), (324, 9004), (343, 9043), (352, 9061), (382, 9121), (482, 9268), (489, 9280), (508, 9304), (545, 9379), (549, 9385), (563, 9406), (566, 9412), (642, 9541), (663, 9586), (710, 9712), (711, 9715), (735, 9766), (743, 9787), (757, 9814), (798, 9904), (812, 9940), (824, 9970), (845, 10000),

Gene: Norbert_12 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Norbert_12:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: NormanBulbieJr_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for NormanBulbieJr_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: NorthStar_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for NorthStar_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Norvs_32 Start: 10446, Stop: 12062, Start Num: 104

Candidate Starts for Norvs_32:

(Start: 104 @10446 has 19 MA's), (Start: 143 @10497 has 5 MA's), (Start: 151 @10506 has 63 MA's), (Start: 193 @10566 has 1 MA's), (Start: 222 @10623 has 4 MA's), (240, 10659), (258, 10704), (269, 10731), (365, 10935), (379, 10965), (403, 11001), (431, 11046), (435, 11055), (444, 11070), (532, 11208), (533, 11211), (539, 11229), (541, 11235), (566, 11277), (644, 11469), (675, 11556), (686, 11586), (704, 11631), (722, 11679), (730, 11694), (756, 11757), (769, 11781), (771, 11787), (775, 11796), (806, 11865), (824, 11916), (825, 11919), (829, 11931),

Gene: Norz_14 Start: 9403, Stop: 10845, Start Num: 158

Candidate Starts for Norz_14:

(109, 9337), (Start: 158 @9403 has 220 MA's), (263, 9601), (365, 9814), (482, 10009), (489, 10021), (545, 10120), (667, 10315), (682, 10354), (710, 10432), (712, 10438), (735, 10486), (739, 10498), (743, 10507), (785, 10597), (824, 10687), (845, 10720), (857, 10732),

Gene: NosilaM_28 Start: 14569, Stop: 16146, Start Num: 121

Candidate Starts for NosilaM_28:

(Start: 121 @14569 has 32 MA's), (Start: 124 @14575 has 299 MA's), (138, 14590), (Start: 140 @14593 has 4 MA's), (266, 14845), (305, 14923), (315, 14947), (416, 15148), (440, 15181), (460, 15208), (502, 15268), (577, 15403), (581, 15415), (633, 15496), (667, 15592), (684, 15637), (722, 15736), (735, 15760), (738, 15769), (759, 15829), (785, 15889), (791, 15901), (799, 15913), (803, 15922),

Gene: NotAPhaseMom_12 Start: 8582, Stop: 10033, Start Num: 124

Candidate Starts for NotAPhaseMom_12:

(Start: 124 @8582 has 299 MA's), (229, 8729), (233, 8741), (316, 8909), (324, 8939), (343, 8978), (352, 8996), (382, 9056), (476, 9185), (482, 9203), (489, 9215), (545, 9314), (549, 9320), (563, 9341), (566, 9347), (599, 9416), (642, 9476), (663, 9521), (710, 9647), (711, 9650), (735, 9701), (743, 9722), (757, 9752), (798, 9842), (812, 9878), (824, 9908), (845, 9938),

Gene: NothingSpecial_15 Start: 11236, Stop: 12693, Start Num: 127

Candidate Starts for NothingSpecial_15:

(Start: 127 @11236 has 330 MA's), (182, 11296), (225, 11383), (233, 11401), (324, 11599), (365, 11683), (534, 11944), (545, 11971), (549, 11977), (563, 11998), (587, 12049), (735, 12343), (741, 12361), (743, 12364), (757, 12391), (762, 12400), (802, 12487), (812, 12517), (824, 12547), (842, 12577), (867, 12601),

Gene: November_7 Start: 2677, Stop: 4227, Start Num: 83

Candidate Starts for November_7:

(46, 2572), (Start: 75 @2662 has 32 MA's), (Start: 83 @2677 has 142 MA's), (Start: 154 @2749 has 46 MA's), (175, 2776), (182, 2785), (199, 2827), (Start: 222 @2866 has 4 MA's), (232, 2890), (305, 3034), (319, 3070), (327, 3097), (362, 3160), (369, 3175), (428, 3271), (441, 3295), (444, 3301), (479, 3364), (501, 3412), (522, 3445), (527, 3451), (537, 3478), (546, 3499), (558, 3520), (624, 3583), (635, 3601), (666, 3679), (670, 3691), (672, 3694), (676, 3706), (677, 3709), (687, 3736), (711, 3793), (735, 3844), (741, 3862), (751, 3883), (787, 3958), (803, 3979), (811, 4003), (812, 4006), (813, 4015), (828, 4051), (835, 4066),

Gene: NovumRegina_25 Start: 14277, Stop: 15866, Start Num: 121

Candidate Starts for NovumRegina_25:

(Start: 121 @14277 has 32 MA's), (Start: 124 @14283 has 299 MA's), (138, 14298), (182, 14361), (266, 14553), (305, 14631), (315, 14655), (323, 14685), (460, 14916), (533, 15033), (570, 15105), (576, 15120), (581, 15135), (633, 15216), (684, 15357), (722, 15456), (730, 15471), (735, 15480), (738, 15489), (750, 15525), (759, 15549), (799, 15633), (803, 15642), (818, 15687),

Gene: Noxious_14 Start: 9436, Stop: 10878, Start Num: 158

Candidate Starts for Noxious_14:

(109, 9370), (Start: 158 @9436 has 220 MA's), (263, 9634), (365, 9847), (482, 10042), (489, 10054), (545, 10153), (667, 10348), (682, 10387), (710, 10465), (712, 10471), (735, 10519), (739, 10531), (743, 10540), (785, 10630), (824, 10720), (845, 10753), (857, 10765),

Gene: Nutello_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Nutello_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Nyceirae_7 Start: 3039, Stop: 4517, Start Num: 157

Candidate Starts for Nyceirae_7:

(Start: 157 @3039 has 14 MA's), (178, 3063), (182, 3072), (226, 3162), (256, 3222), (261, 3234), (265, 3243), (301, 3300), (318, 3351), (319, 3354), (320, 3357), (327, 3381), (342, 3414), (359, 3438), (381, 3486), (388, 3498), (412, 3531), (439, 3570), (442, 3576), (457, 3600), (482, 3648), (492, 3669), (522, 3720), (537, 3753), (561, 3798), (582, 3846), (607, 3906), (615, 3927), (638, 3972), (639, 3975), (649, 3999), (663, 4035), (666, 4041), (682, 4083), (698, 4110), (709, 4155), (728, 4200), (735, 4212), (787, 4314), (805, 4341), (811, 4359), (825, 4398), (856, 4443),

Gene: Nyilah_3 Start: 2345, Stop: 3682, Start Num: 155

Candidate Starts for Nyilah_3:

(Start: 140 @2333 has 4 MA's), (Start: 155 @2345 has 140 MA's), (190, 2393), (224, 2456), (229, 2468), (353, 2726), (382, 2783), (418, 2831), (480, 2927), (489, 2945), (541, 3035), (549, 3047), (551,

3050), (565, 3074), (585, 3116), (667, 3242), (687, 3296), (710, 3359), (713, 3368), (734, 3410), (738, 3422), (758, 3461), (778, 3503), (787, 3527), (824, 3608), (828, 3617), (877, 3668),

Gene: Nyxis_12 Start: 8524, Stop: 9975, Start Num: 124

Candidate Starts for Nyxis_12:

(Start: 124 @8524 has 299 MA's), (229, 8671), (233, 8683), (316, 8851), (324, 8881), (343, 8920), (352, 8938), (382, 8998), (476, 9127), (482, 9145), (489, 9157), (545, 9256), (549, 9262), (563, 9283), (566, 9289), (599, 9358), (642, 9418), (663, 9463), (710, 9589), (711, 9592), (735, 9643), (737, 9649), (743, 9664), (757, 9694), (798, 9784), (812, 9820), (824, 9850),

Gene: ODay_4 Start: 2189, Stop: 3631, Start Num: 123

Candidate Starts for ODay_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (709, 3254), (741, 3329), (787, 3437), (797, 3455), (807, 3479), (811, 3491), (813, 3500), (825, 3527),

Gene: OKCentral2016_12 Start: 8077, Stop: 9519, Start Num: 124

Candidate Starts for OKCentral2016_12:

(Start: 124 @8077 has 299 MA's), (233, 8236), (266, 8305), (308, 8383), (320, 8416), (324, 8434), (342, 8473), (344, 8476), (449, 8635), (480, 8692), (489, 8710), (545, 8809), (549, 8815), (563, 8836), (566, 8842), (663, 9016), (710, 9142), (711, 9145), (735, 9196), (737, 9202), (743, 9217), (757, 9247), (762, 9256), (798, 9337), (812, 9373), (824, 9403), (861, 9454),

Gene: OKaNui_12 Start: 8343, Stop: 9794, Start Num: 124

Candidate Starts for OKaNui_12:

(Start: 124 @8343 has 299 MA's), (229, 8490), (233, 8502), (316, 8670), (324, 8700), (343, 8739), (352, 8757), (382, 8817), (476, 8946), (482, 8964), (489, 8976), (545, 9075), (549, 9081), (563, 9102), (566, 9108), (599, 9177), (642, 9237), (663, 9282), (710, 9408), (711, 9411), (735, 9462), (743, 9483), (757, 9513), (798, 9603), (812, 9639), (824, 9669), (845, 9699),

Gene: Obama12_12 Start: 8557, Stop: 10008, Start Num: 124

Candidate Starts for Obama12_12:

(Start: 124 @8557 has 299 MA's), (233, 8716), (316, 8884), (324, 8914), (343, 8953), (352, 8971), (382, 9031), (476, 9160), (482, 9178), (545, 9289), (549, 9295), (563, 9316), (566, 9322), (599, 9391), (642, 9451), (710, 9622), (711, 9625), (735, 9676), (737, 9682), (743, 9697), (757, 9727), (798, 9817), (812, 9853), (816, 9865), (824, 9883), (845, 9913),

Gene: ObiToo_3 Start: 2292, Stop: 3827, Start Num: 148

Candidate Starts for ObiToo_3:

(Start: 148 @2292 has 57 MA's), (Start: 222 @2412 has 4 MA's), (266, 2511), (421, 2775), (484, 2868), (580, 3048), (675, 3204), (699, 3252), (705, 3282), (713, 3306), (799, 3480), (857, 3591), (913, 3669), (924, 3690),

Gene: Ochi17_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for Ochi17_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754,

3401), (769, 3425), (826, 3569),

Gene: OctaviousRex_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for OctaviousRex_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Octobien14_14 Start: 7493, Stop: 8989, Start Num: 102

Candidate Starts for Octobien14_14:

(Start: 102 @7493 has 24 MA's), (135, 7538), (174, 7586), (182, 7604), (263, 7775), (266, 7781), (305, 7853), (319, 7889), (359, 7952), (363, 7961), (367, 7970), (374, 7985), (380, 7994), (408, 8036), (481, 8132), (482, 8135), (501, 8174), (512, 8192), (557, 8279), (640, 8405), (652, 8426), (687, 8516), (699, 8531), (713, 8585), (720, 8600), (735, 8630), (758, 8678), (760, 8681), (767, 8690), (773, 8705), (789, 8750), (801, 8762), (806, 8777), (808, 8783), (811, 8792), (840, 8858), (846, 8864), (860, 8879),

Gene: Odin_12 Start: 8081, Stop: 9538, Start Num: 127

Candidate Starts for Odin_12:

(Start: 127 @8081 has 330 MA's), (182, 8141), (229, 8234), (233, 8246), (298, 8360), (365, 8528), (489, 8717), (534, 8789), (545, 8816), (549, 8822), (563, 8843), (682, 9056), (735, 9188), (741, 9206), (743, 9209), (757, 9236), (762, 9245), (802, 9332), (812, 9362), (824, 9392), (842, 9422), (867, 9446),

Gene: OfUltron_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for OfUltron_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Ogopogo_5 Start: 2442, Stop: 3866, Start Num: 123

Candidate Starts for Ogopogo_5:

(Start: 123 @2442 has 47 MA's), (Start: 154 @2475 has 46 MA's), (192, 2529), (224, 2589), (226, 2598), (246, 2631), (258, 2664), (270, 2694), (302, 2739), (306, 2757), (316, 2781), (319, 2790), (352, 2850), (382, 2910), (388, 2919), (390, 2922), (421, 2955), (435, 2976), (460, 3018), (482, 3057), (494, 3069), (531, 3129), (532, 3132), (534, 3138), (539, 3153), (556, 3183), (559, 3189), (596, 3267), (649, 3348), (671, 3402), (687, 3447), (696, 3462), (719, 3534), (739, 3579), (741, 3585), (787, 3693), (791, 3702), (797, 3711), (809, 3741), (813, 3756), (825, 3783),

Gene: OhShagHennessy_5 Start: 2598, Stop: 4271, Start Num: 131

Candidate Starts for OhShagHennessy_5:

(Start: 131 @2598 has 70 MA's), (182, 2661), (201, 2715), (219, 2739), (253, 2808), (263, 2832), (305, 2910), (319, 2946), (374, 3039), (441, 3117), (469, 3156), (495, 3219), (510, 3246), (512, 3249), (527, 3270), (535, 3291), (555, 3333), (557, 3336), (626, 3438), (634, 3453), (638, 3459), (672, 3540), (682, 3567), (684, 3573), (720, 3666), (734, 3693), (737, 3702), (767, 3756), (775, 3777), (782, 3798), (799, 3825), (803, 3834), (824, 3894), (840, 3924), (849, 3933), (925, 4041), (956, 4236),

Gene: Ohfah_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Ohfah_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Ohno789_12 Start: 8545, Stop: 9987, Start Num: 158

Candidate Starts for Ohno789_12:

(Start: 158 @8545 has 220 MA's), (263, 8743), (365, 8956), (482, 9151), (489, 9163), (545, 9262), (667, 9457), (682, 9496), (710, 9574), (712, 9580), (735, 9628), (739, 9640), (743, 9649), (785, 9739), (824, 9829), (845, 9862), (857, 9874),

Gene: Okabe_5 Start: 2939, Stop: 4273, Start Num: 180

Candidate Starts for Okabe_5:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (684, 3881), (686, 3887), (687, 3890), (688, 3893), (735, 4004), (739, 4016), (751, 4049), (754, 4055), (769, 4079), (826, 4223), (833, 4241),

Gene: OkiRoe_7 Start: 2767, Stop: 4302, Start Num: 83

Candidate Starts for OkiRoe_7:

(Start: 83 @2767 has 142 MA's), (Start: 154 @2839 has 46 MA's), (182, 2875), (186, 2884), (201, 2929), (248, 3013), (253, 3025), (266, 3055), (281, 3073), (305, 3124), (319, 3160), (327, 3187), (356, 3238), (359, 3241), (362, 3247), (369, 3262), (370, 3265), (414, 3337), (415, 3340), (428, 3358), (444, 3388), (473, 3433), (476, 3442), (495, 3487), (522, 3532), (537, 3565), (546, 3586), (555, 3601), (557, 3604), (558, 3607), (624, 3670), (635, 3688), (637, 3694), (666, 3766), (670, 3778), (672, 3781), (677, 3796), (701, 3841), (702, 3856), (709, 3877), (734, 3931), (735, 3934), (741, 3952), (749, 3967), (780, 4033), (787, 4048), (803, 4069), (813, 4105), (828, 4141), (899, 4228),

Gene: Oksu_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Oksu_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: OlanP_14 Start: 8906, Stop: 10360, Start Num: 124

Candidate Starts for OlanP_14:

(Start: 124 @8906 has 299 MA's), (Start: 157 @8936 has 14 MA's), (182, 8963), (233, 9068), (298, 9182), (320, 9248), (343, 9305), (382, 9383), (384, 9386), (482, 9527), (545, 9638), (549, 9644), (563, 9665), (663, 9830), (710, 9956), (735, 10010), (737, 10016), (743, 10031), (762, 10067), (802, 10154), (812, 10184), (824, 10214), (857, 10259), (867, 10268),

Gene: OldBen_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for OldBen_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576,

2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Olga_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Olga_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Oliynyk_8 Start: 4235, Stop: 5683, Start Num: 144

Candidate Starts for Oliynyk_8:

(Start: 142 @4232 has 1 MA's), (Start: 144 @4235 has 15 MA's), (Start: 155 @4241 has 140 MA's), (Start: 222 @4358 has 4 MA's), (246, 4406), (255, 4430), (412, 4724), (444, 4766), (458, 4793), (530, 4919), (534, 4931), (579, 5024), (629, 5102), (645, 5147), (669, 5204), (678, 5228), (773, 5441), (908, 5669),

Gene: Ollie_14 Start: 8525, Stop: 9979, Start Num: 124

Candidate Starts for Ollie_14:

(Start: 124 @8525 has 299 MA's), (Start: 157 @8555 has 14 MA's), (182, 8582), (233, 8687), (298, 8801), (320, 8867), (343, 8924), (382, 9002), (384, 9005), (482, 9146), (545, 9257), (549, 9263), (563, 9284), (663, 9449), (710, 9575), (735, 9629), (737, 9635), (743, 9650), (762, 9686), (802, 9773), (812, 9803), (824, 9833), (857, 9878), (867, 9887),

Gene: OlympiaSaint_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for OlympiaSaint_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Omar_8 Start: 4088, Stop: 5557, Start Num: 155

Candidate Starts for Omar_8:

(Start: 155 @4088 has 140 MA's), (176, 4118), (Start: 222 @4205 has 4 MA's), (246, 4253), (249, 4265), (266, 4304), (305, 4397), (314, 4418), (355, 4481), (415, 4574), (458, 4637), (477, 4670), (530, 4763), (534, 4775), (573, 4850), (579, 4868), (585, 4886), (645, 5033), (669, 5090), (741, 5270), (773, 5327), (808, 5405), (812, 5417), (813, 5426), (908, 5543),

Gene: OmniCritical_10 Start: 3907, Stop: 5508, Start Num: 75

Candidate Starts for OmniCritical_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Omnicron_7 Start: 2826, Stop: 4379, Start Num: 83

Candidate Starts for Omnicron_7:

(Start: 83 @2826 has 142 MA's), (Start: 154 @2901 has 46 MA's), (172, 2925), (182, 2937), (186, 2946), (201, 2991), (Start: 222 @3018 has 4 MA's), (248, 3075), (253, 3087), (305, 3186), (314, 3207), (319, 3222), (327, 3249), (356, 3300), (359, 3303), (369, 3324), (370, 3327), (414, 3399), (428, 3420), (495, 3549), (501, 3561), (522, 3594), (537, 3627), (546, 3648), (555, 3663), (557, 3666), (558, 3669), (624, 3732), (635, 3750), (659, 3810), (666, 3828), (670, 3840), (672, 3843), (677, 3858), (701, 3903), (702, 3918), (709, 3939), (713, 3951), (734, 3993), (735, 3996), (741, 4014), (780, 4095), (787, 4110), (803, 4131), (811, 4155), (813, 4167), (828, 4203), (899, 4290), (905, 4302),

Gene: OneUp_25 Start: 8258, Stop: 9868, Start Num: 104

Candidate Starts for OneUp_25:

(Start: 104 @8258 has 19 MA's), (Start: 143 @8309 has 5 MA's), (Start: 151 @8318 has 63 MA's), (Start: 222 @8435 has 4 MA's), (240, 8471), (258, 8516), (269, 8543), (365, 8747), (409, 8822), (435, 8867), (508, 8987), (533, 9023), (539, 9041), (541, 9047), (564, 9086), (566, 9089), (617, 9218), (686, 9398), (704, 9443), (722, 9491), (769, 9593), (771, 9599), (775, 9608), (806, 9677), (811, 9692), (824, 9728), (825, 9731), (829, 9743),

Gene: Onglai_13 Start: 8259, Stop: 9746, Start Num: 127

Candidate Starts for Onglai_13:

(Start: 127 @8259 has 330 MA's), (182, 8322), (233, 8427), (266, 8496), (329, 8637), (349, 8676), (365, 8709), (382, 8742), (482, 8886), (534, 8970), (545, 8997), (549, 9003), (563, 9024), (577, 9054), (587, 9075), (605, 9099), (624, 9114), (735, 9369), (741, 9387), (757, 9417), (758, 9420), (762, 9426), (810, 9537), (812, 9543), (824, 9573), (857, 9618), (867, 9627),

Gene: Oofda_15 Start: 8351, Stop: 9811, Start Num: 127

Candidate Starts for Oofda_15:

(Start: 127 @8351 has 330 MA's), (182, 8411), (233, 8516), (264, 8582), (349, 8765), (365, 8798), (382, 8831), (534, 9062), (545, 9089), (549, 9095), (563, 9116), (574, 9137), (587, 9167), (605, 9191), (675, 9311), (710, 9407), (721, 9434), (735, 9461), (741, 9479), (743, 9482), (757, 9515), (762, 9524), (812, 9641), (824, 9671), (867, 9725),

Gene: Oogway_11 Start: 8676, Stop: 10118, Start Num: 158

Candidate Starts for Oogway_11:

(109, 8610), (Start: 158 @8676 has 220 MA's), (263, 8874), (365, 9087), (482, 9282), (489, 9294), (545, 9393), (667, 9588), (682, 9627), (710, 9705), (712, 9711), (735, 9759), (739, 9771), (743, 9780), (785, 9870), (824, 9960), (845, 9993), (857, 10005),

Gene: Orange_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Orange_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Origami_3 Start: 2290, Stop: 3654, Start Num: 148

Candidate Starts for Origami_3:

(Start: 148 @2290 has 57 MA's), (215, 2404), (Start: 222 @2413 has 4 MA's), (535, 2956), (548, 2986), (663, 3175), (699, 3253), (789, 3472), (799, 3481), (828, 3559),

Gene: Orla_6 Start: 2790, Stop: 4232, Start Num: 159

Candidate Starts for Orla_6:

(Start: 159 @2790 has 63 MA's), (182, 2805), (229, 2898), (231, 2907), (313, 3063), (322, 3093), (353, 3150), (392, 3222), (484, 3354), (531, 3426), (537, 3444), (549, 3468), (552, 3474), (633, 3618), (674, 3717), (737, 3876), (741, 3888), (762, 3924), (768, 3933), (791, 3993), (807, 4026), (835, 4098), (848,

4113), (923, 4224),

Gene: Oscar_8 Start: 2918, Stop: 4462, Start Num: 83

Candidate Starts for Oscar_8:

(46, 2813), (Start: 75 @2903 has 32 MA's), (Start: 83 @2918 has 142 MA's), (116, 2954), (Start: 134 @2972 has 1 MA's), (172, 3017), (182, 3029), (186, 3038), (Start: 222 @3110 has 4 MA's), (232, 3134), (243, 3152), (248, 3167), (252, 3176), (253, 3179), (314, 3299), (319, 3314), (326, 3338), (327, 3341), (369, 3419), (388, 3458), (414, 3494), (428, 3515), (450, 3554), (476, 3599), (495, 3644), (500, 3653), (522, 3689), (537, 3722), (546, 3743), (558, 3764), (575, 3794), (624, 3827), (635, 3845), (666, 3923), (670, 3935), (672, 3938), (676, 3950), (677, 3953), (734, 4085), (735, 4088), (741, 4106), (767, 4148), (780, 4187), (785, 4199), (803, 4223), (811, 4247), (812, 4250), (813, 4259), (828, 4295), (899, 4382),

Gene: OscarSo_11 Start: 5978, Stop: 7726, Start Num: 187

Candidate Starts for OscarSo_11:

(Start: 187 @5978 has 1 MA's), (217, 6041), (280, 6185), (320, 6314), (369, 6425), (390, 6464), (395, 6470), (419, 6503), (430, 6512), (497, 6650), (499, 6653), (576, 6800), (638, 6920), (643, 6938), (675, 7016), (678, 7025), (738, 7181), (752, 7211), (786, 7280), (792, 7292), (796, 7298), (832, 7394), (892, 7469), (932, 7544), (940, 7568), (944, 7595), (947, 7613),

Gene: Ouroboros_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Ouroboros_3:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (170, 1907), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (383, 2315), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (743, 2945), (747, 2957), (767, 2990), (785, 3041), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: Outis_26 Start: 14578, Stop: 16155, Start Num: 121

Candidate Starts for Outis_26:

(Start: 121 @14578 has 32 MA's), (Start: 124 @14584 has 299 MA's), (Start: 140 @14602 has 4 MA's), (182, 14662), (266, 14854), (305, 14932), (315, 14956), (416, 15157), (440, 15190), (502, 15277), (529, 15310), (577, 15412), (581, 15424), (633, 15505), (684, 15646), (722, 15745), (735, 15769), (738, 15778), (759, 15838), (785, 15898), (799, 15922), (803, 15931),

Gene: Ovechkin_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Ovechkin_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: OverPar_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for OverPar_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682,

3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: OwlsT2W_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for OwlsT2W_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Ozzie_7 Start: 4061, Stop: 5503, Start Num: 155

Candidate Starts for Ozzie_7:

(Start: 142 @4052 has 1 MA's), (Start: 144 @4055 has 15 MA's), (Start: 155 @4061 has 140 MA's), (Start: 222 @4178 has 4 MA's), (246, 4226), (412, 4544), (444, 4586), (458, 4613), (477, 4646), (530, 4739), (534, 4751), (579, 4844), (629, 4922), (645, 4967), (669, 5024), (678, 5048), (773, 5261), (908, 5489),

Gene: OzzyJ_8 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for OzzyJ_8:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (458, 4608), (477, 4641), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: P1.1_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P1.1_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (477, 2432), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P100.1_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P100.1_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (542, 2555), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (737, 2930), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P100A_3 Start: 1891, Stop: 3216, Start Num: 154

Candidate Starts for P100A_3:

(Start: 154 @1891 has 46 MA's), (170, 1912), (181, 1924), (191, 1945), (224, 2005), (233, 2029), (242, 2038), (247, 2050), (255, 2071), (258, 2080), (301, 2140), (314, 2179), (316, 2185), (322, 2206), (324,

2215), (337, 2245), (339, 2248), (376, 2308), (385, 2323), (387, 2326), (405, 2350), (426, 2368), (434, 2380), (443, 2392), (476, 2434), (479, 2443), (488, 2461), (489, 2464), (498, 2473), (552, 2575), (574, 2611), (577, 2620), (598, 2653), (599, 2656), (602, 2662), (614, 2671), (618, 2680), (649, 2713), (667, 2758), (674, 2776), (710, 2875), (737, 2935), (762, 2989), (767, 2995), (785, 3046), (808, 3094), (809, 3097), (811, 3103), (812, 3106), (818, 3121), (824, 3136), (825, 3139), (839, 3169), (857, 3178),

Gene: P100D_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for P100D_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (298, 2121), (301, 2130), (322, 2196), (337, 2235), (376, 2298), (385, 2313), (387, 2316), (426, 2358), (434, 2370), (443, 2382), (468, 2415), (479, 2433), (480, 2436), (489, 2454), (498, 2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (618, 2670), (667, 2748), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: P101A_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P101A_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P104A_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P104A_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P104B_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for P104B_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (268, 2091), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (385, 2313), (387, 2316), (393, 2325), (405, 2340), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (477, 2427), (479, 2433), (480, 2436), (489, 2454), (498, 2463), (539, 2541), (542, 2550), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (599, 2646), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (682, 2787), (710, 2865), (767, 2985), (785, 3036), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159), (857, 3168),

Gene: P105_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for P105_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (298, 2121), (301, 2130), (322, 2196), (324, 2205), (376, 2298), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (464, 2409), (479, 2433), (480, 2436), (488, 2451), (489, 2454), (498, 2463), (542, 2550), (552, 2565), (577, 2610), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (654, 2718), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (762, 2979), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (813, 3102), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: P106A_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P106A_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P106C_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P106C_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P106I_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P106I_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P106L_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P106L_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674,

2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P106M_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P106M_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (743, 2945), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P107A_3 Start: 1894, Stop: 3219, Start Num: 154

Candidate Starts for P107A_3:

(Start: 154 @1894 has 46 MA's), (164, 1909), (181, 1927), (191, 1948), (224, 2008), (233, 2032), (242, 2041), (247, 2053), (255, 2074), (258, 2083), (298, 2134), (301, 2143), (314, 2182), (316, 2188), (322, 2209), (324, 2218), (337, 2248), (339, 2251), (385, 2326), (387, 2329), (405, 2353), (426, 2371), (434, 2383), (443, 2395), (477, 2440), (488, 2464), (489, 2467), (498, 2476), (542, 2563), (545, 2566), (598, 2656), (599, 2659), (602, 2665), (614, 2674), (618, 2683), (649, 2716), (667, 2761), (669, 2767), (670, 2770), (674, 2779), (682, 2800), (710, 2878), (737, 2938), (743, 2953), (762, 2992), (767, 2998), (785, 3049), (800, 3076), (808, 3097), (809, 3100), (811, 3106), (812, 3109), (818, 3124), (824, 3139), (825, 3142), (839, 3172), (845, 3178), (857, 3181),

Gene: P107C_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P107C_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (682, 2792), (702, 2846), (710, 2870), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P108C_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P108C_3:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (468, 2420), (477, 2432), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737, 2930), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P1201_28 Start: 15559, Stop: 17196, Start Num: 121

Candidate Starts for P1201_28:

(Start: 121 @15559 has 32 MA's), (228, 15739), (247, 15781), (282, 15850), (299, 15883), (305, 15907), (315, 15931), (327, 15970), (440, 16177), (454, 16204), (509, 16330), (581, 16462), (603,

16510), (641, 16579), (646, 16588), (656, 16624), (684, 16696), (696, 16717), (735, 16816), (741, 16834), (799, 16969), (806, 16987), (818, 17023), (834, 17050), (843, 17062),

Gene: P14.4_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for P14.4_3:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (376, 2303), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: P28Green_14 Start: 8653, Stop: 10107, Start Num: 124

Candidate Starts for P28Green_14:

(Start: 124 @8653 has 299 MA's), (Start: 157 @8683 has 14 MA's), (182, 8710), (233, 8815), (298, 8929), (320, 8995), (343, 9052), (382, 9130), (384, 9133), (482, 9274), (545, 9385), (549, 9391), (563, 9412), (663, 9577), (710, 9703), (735, 9757), (737, 9763), (743, 9778), (762, 9814), (802, 9901), (812, 9931), (824, 9961), (857, 10006), (867, 10015),

Gene: P3MA_4 Start: 2405, Stop: 3877, Start Num: 128

Candidate Starts for P3MA_4:

(Start: 128 @2405 has 2 MA's), (170, 2456), (224, 2549), (246, 2591), (255, 2615), (257, 2621), (292, 2681), (382, 2870), (390, 2882), (452, 2954), (482, 3011), (496, 3026), (498, 3029), (530, 3080), (531, 3083), (574, 3167), (599, 3230), (601, 3233), (690, 3407), (735, 3521), (736, 3524), (739, 3533), (746, 3551), (762, 3581), (809, 3689), (862, 3779),

Gene: P9.1_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for P9.1_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (429, 2361), (434, 2370), (443, 2382), (479, 2433), (480, 2436), (488, 2451), (489, 2454), (498, 2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (598, 2643), (599, 2646), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (654, 2718), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (730, 2910), (743, 2940), (767, 2985), (785, 3036), (791, 3048), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (813, 3102), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: PA6_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PA6_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (337, 2240), (376, 2303), (383, 2315), (385, 2318), (387, 2321), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (737, 2930), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164), (845, 3170),

Gene: PAD20_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PAD20_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (339, 2243), (385, 2318), (387, 2321), (405, 2345), (426, 2363), (429, 2366), (434, 2375), (443, 2387), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (737, 2930), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PAS50_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PAS50_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (337, 2240), (341, 2246), (383, 2315), (385, 2318), (405, 2345), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PGHhamlin_16 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for PGHhamlin_16:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: PHL010M04_03 Start: 1885, Stop: 3210, Start Num: 154

Candidate Starts for PHL010M04_03:

(Start: 154 @1885 has 46 MA's), (Start: 157 @1891 has 14 MA's), (164, 1900), (181, 1918), (191, 1939), (224, 1999), (233, 2023), (242, 2032), (246, 2041), (247, 2044), (255, 2065), (258, 2074), (298, 2125), (301, 2134), (314, 2173), (316, 2179), (322, 2200), (324, 2209), (337, 2239), (339, 2242), (385, 2317), (387, 2320), (426, 2362), (434, 2374), (468, 2419), (479, 2437), (480, 2440), (488, 2455), (489, 2458), (498, 2467), (552, 2569), (598, 2647), (599, 2650), (602, 2656), (614, 2665), (618, 2674), (667, 2752), (674, 2770), (682, 2791), (743, 2944), (747, 2956), (762, 2983), (767, 2989), (785, 3040), (791, 3052), (800, 3067), (808, 3088), (809, 3091), (811, 3097), (812, 3100), (813, 3106), (818, 3115), (824, 3130), (825, 3133), (839, 3163), (857, 3172),

Gene: PHL037M02_03 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PHL037M02_03:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (468, 2420), (479, 2438), (480, 2441), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PHL060L00_03 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for PHL060L00_03:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (383, 2310), (385, 2313), (405, 2340), (426, 2358), (434, 2370), (443, 2382), (468, 2415), (479, 2433), (480, 2436), (489, 2454), (498, 2463), (542, 2550), (552, 2565), (574, 2601), (577, 2610), (598, 2643), (599, 2646), (602, 2652), (614,

2661), (618, 2670), (649, 2703), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (730, 2910), (743, 2940), (762, 2979), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (813, 3102), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: PHL067M10_03 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PHL067M10_03:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (337, 2240), (376, 2303), (385, 2318), (387, 2321), (426, 2363), (434, 2375), (443, 2387), (464, 2414), (477, 2432), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (730, 2915), (762, 2984), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PHL071N05_03 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for PHL071N05_03:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (477, 2427), (488, 2451), (489, 2454), (498, 2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (743, 2940), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: PHL111M01_03 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PHL111M01_03:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (337, 2240), (376, 2303), (383, 2315), (385, 2318), (405, 2345), (426, 2363), (434, 2375), (443, 2387), (468, 2420), (479, 2438), (480, 2441), (489, 2459), (498, 2468), (539, 2546), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (743, 2945), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PHL112N00_03 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PHL112N00_03:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (322, 2201), (337, 2240), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (542, 2555), (552, 2570), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (654, 2723), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PHL113M01_03 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for PHL113M01_03:

(Start: 154 @1886 has 46 MA's), (164, 1901), (170, 1907), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (385, 2318), (387,

2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (479, 2438), (480, 2441), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (574, 2606), (577, 2615), (599, 2651), (602, 2657), (614, 2666), (649, 2708), (654, 2723), (667, 2753), (669, 2759), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (767, 2990), (785, 3041), (791, 3053), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (813, 3107), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: PHL114L00_03 Start: 1894, Stop: 3219, Start Num: 154

Candidate Starts for PHL114L00_03:

(Start: 154 @1894 has 46 MA's), (181, 1927), (191, 1948), (216, 1999), (224, 2008), (233, 2032), (242, 2041), (246, 2050), (247, 2053), (255, 2074), (258, 2083), (298, 2134), (301, 2143), (314, 2182), (322, 2209), (324, 2218), (337, 2248), (339, 2251), (383, 2323), (385, 2326), (405, 2353), (424, 2368), (426, 2371), (429, 2374), (434, 2383), (443, 2395), (479, 2446), (488, 2464), (489, 2467), (498, 2476), (539, 2554), (552, 2578), (574, 2614), (577, 2623), (602, 2665), (614, 2674), (649, 2716), (667, 2761), (669, 2767), (670, 2770), (674, 2779), (702, 2854), (710, 2878), (743, 2953), (762, 2992), (767, 2998), (785, 3049), (800, 3076), (808, 3097), (809, 3100), (811, 3106), (812, 3109), (813, 3115), (818, 3124), (824, 3139), (825, 3142), (839, 3172),

Gene: PHTowN_9 Start: 4504, Stop: 6054, Start Num: 102

Candidate Starts for PHTowN_9:

(65, 4444), (78, 4468), (Start: 102 @4504 has 24 MA's), (Start: 179 @4600 has 2 MA's), (189, 4621), (190, 4624), (196, 4636), (206, 4666), (226, 4696), (249, 4741), (275, 4792), (296, 4846), (333, 4921), (335, 4924), (362, 4957), (365, 4963), (479, 5131), (486, 5140), (545, 5254), (551, 5263), (624, 5395), (632, 5407), (649, 5452), (659, 5476), (667, 5497), (672, 5509), (675, 5518), (683, 5542), (734, 5671), (737, 5680), (812, 5854), (836, 5905), (854, 5923), (864, 5935),

Gene: PHappiness_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for PHappiness_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: PMC_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for PMC_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: PP_22 Start: 14143, Stop: 15684, Start Num: 124

Candidate Starts for PP_22:

(Start: 124 @14143 has 299 MA's), (233, 14308), (320, 14539), (355, 14623), (382, 14674), (449, 14755), (476, 14803), (480, 14815), (482, 14821), (488, 14830), (534, 14905), (545, 14932), (549, 14938), (563, 14959), (566, 14965), (577, 14989), (599, 15037), (663, 15142), (710, 15268), (711, 15271), (735, 15322), (737, 15328), (741, 15340), (743, 15343), (768, 15391), (787, 15442), (798, 15463), (802, 15469), (812, 15499), (842, 15559),

Gene: PSullivan_14 Start: 9164, Stop: 10606, Start Num: 158

Candidate Starts for PSullivan_14:

(109, 9098), (Start: 158 @9164 has 220 MA's), (263, 9362), (365, 9575), (482, 9770), (489, 9782), (545, 9881), (584, 9953), (667, 10076), (682, 10115), (710, 10193), (712, 10199), (735, 10247), (739, 10259), (743, 10268), (785, 10358), (824, 10448), (845, 10481), (857, 10493),

Gene: PYPDinur_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for PYPDinur_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (332, 2718), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (682, 3300), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: Pablito_7 Start: 3894, Stop: 5375, Start Num: 155

Candidate Starts for Pablito_7:

(Start: 155 @3894 has 140 MA's), (Start: 222 @4011 has 4 MA's), (246, 4059), (249, 4071), (281, 4152), (305, 4203), (414, 4377), (444, 4416), (477, 4476), (530, 4569), (534, 4581), (573, 4656), (579, 4674), (583, 4686), (585, 4692), (588, 4698), (645, 4839), (667, 4890), (669, 4896), (773, 5133), (813, 5232), (827, 5265), (908, 5361),

Gene: Pacc40_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Pacc40_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Pace1224_3 Start: 1900, Stop: 3444, Start Num: 105

Candidate Starts for Pace1224_3:

(Start: 105 @1900 has 79 MA's), (161, 1972), (164, 1975), (226, 2083), (246, 2116), (270, 2179), (315, 2263), (316, 2266), (355, 2350), (380, 2395), (382, 2401), (439, 2476), (442, 2482), (482, 2548), (494, 2560), (496, 2563), (516, 2593), (539, 2644), (549, 2662), (571, 2698), (614, 2782), (649, 2839), (673, 2899), (741, 3076), (802, 3208), (825, 3271), (839, 3298), (887, 3343),

Gene: PacerPaul_12 Start: 8932, Stop: 10374, Start Num: 158

Candidate Starts for PacerPaul_12:

(109, 8866), (Start: 158 @8932 has 220 MA's), (263, 9130), (365, 9343), (482, 9538), (489, 9550), (545, 9649), (584, 9721), (667, 9844), (682, 9883), (710, 9961), (712, 9967), (735, 10015), (739, 10027), (743, 10036), (785, 10126), (824, 10216), (845, 10249), (857, 10261),

Gene: PackMan_14 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for PackMan_14:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (577, 10688), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Padfoot_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Padfoot_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305,

3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Padpat_9 Start: 3014, Stop: 4582, Start Num: 75

Candidate Starts for Padpat_9:

(46, 2927), (Start: 75 @3014 has 32 MA's), (Start: 83 @3029 has 142 MA's), (175, 3131), (182, 3140), (215, 3212), (Start: 222 @3221 has 4 MA's), (232, 3245), (248, 3278), (252, 3287), (305, 3389), (314, 3410), (326, 3449), (327, 3452), (362, 3515), (369, 3530), (380, 3554), (414, 3605), (428, 3626), (458, 3680), (522, 3800), (537, 3833), (546, 3854), (558, 3875), (575, 3905), (624, 3938), (635, 3956), (659, 4016), (666, 4034), (670, 4046), (672, 4049), (676, 4061), (677, 4064), (699, 4100), (711, 4148), (735, 4199), (741, 4217), (787, 4313), (803, 4334), (812, 4361), (813, 4370), (828, 4406),

Gene: Paedore_7 Start: 3938, Stop: 5407, Start Num: 155

Candidate Starts for Paedore_7:

(Start: 155 @3938 has 140 MA's), (Start: 222 @4055 has 4 MA's), (246, 4103), (249, 4115), (266, 4154), (305, 4247), (408, 4412), (412, 4418), (534, 4625), (573, 4700), (579, 4718), (583, 4730), (585, 4736), (588, 4742), (645, 4883), (667, 4934), (669, 4940), (701, 5009), (712, 5054), (741, 5120), (773, 5177), (812, 5267), (827, 5309), (908, 5393),

Gene: PainterBoy_14 Start: 9278, Stop: 10750, Start Num: 127

Candidate Starts for PainterBoy_14:

(Start: 127 @9278 has 330 MA's), (182, 9338), (225, 9425), (229, 9431), (233, 9443), (365, 9725), (382, 9758), (482, 9902), (488, 9911), (534, 9986), (542, 10010), (545, 10013), (549, 10019), (563, 10040), (735, 10385), (741, 10403), (743, 10406), (757, 10433), (762, 10442), (812, 10559), (824, 10589), (842, 10619), (857, 10634), (867, 10643), (920, 10703),

Gene: Paito_3 Start: 1925, Stop: 3439, Start Num: 105

Candidate Starts for Paito_3:

(Start: 105 @1925 has 79 MA's), (161, 1988), (164, 1991), (246, 2132), (315, 2279), (316, 2282), (362, 2372), (382, 2411), (439, 2486), (442, 2492), (471, 2534), (532, 2630), (549, 2669), (574, 2711), (591, 2756), (602, 2780), (614, 2789), (649, 2846), (666, 2888), (673, 2906), (674, 2909), (735, 3065), (789, 3191), (807, 3230), (811, 3242), (825, 3278),

Gene: Palestino_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Palestino_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Panamaxus_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Panamaxus_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: PandaPo_3 Start: 2285, Stop: 3661, Start Num: 148

Candidate Starts for PandaPo_3:

(Start: 148 @2285 has 57 MA's), (215, 2396), (Start: 222 @2405 has 4 MA's), (266, 2504), (355, 2666), (536, 2951), (580, 3041), (675, 3200), (699, 3248), (705, 3278), (713, 3302), (799, 3476),

Gene: Paola_7 Start: 2766, Stop: 4301, Start Num: 83

Candidate Starts for Paola_7:

(Start: 83 @2766 has 142 MA's), (Start: 154 @2838 has 46 MA's), (182, 2874), (186, 2883), (201, 2928), (248, 3012), (253, 3024), (266, 3054), (281, 3072), (305, 3123), (319, 3159), (327, 3186), (356, 3237), (359, 3240), (362, 3246), (369, 3261), (370, 3264), (414, 3336), (428, 3357), (444, 3387), (473, 3432), (495, 3486), (522, 3531), (537, 3564), (546, 3585), (555, 3600), (557, 3603), (558, 3606), (624, 3669), (635, 3687), (637, 3693), (666, 3765), (670, 3777), (672, 3780), (677, 3795), (701, 3840), (702, 3855), (709, 3876), (734, 3930), (735, 3933), (741, 3951), (749, 3966), (780, 4032), (787, 4047), (803, 4068), (813, 4104), (828, 4140), (899, 4227),

Gene: Paolo_9 Start: 4480, Stop: 5949, Start Num: 155

Candidate Starts for Paolo_9:

(Start: 155 @4480 has 140 MA's), (Start: 222 @4597 has 4 MA's), (249, 4657), (266, 4696), (305, 4789), (314, 4810), (327, 4846), (444, 5002), (458, 5029), (500, 5107), (534, 5167), (554, 5209), (573, 5242), (579, 5260), (585, 5278), (589, 5287), (620, 5368), (645, 5425), (667, 5476), (669, 5482), (741, 5662), (773, 5719), (812, 5809), (813, 5818), (908, 5935),

Gene: Papez_14 Start: 10127, Stop: 11569, Start Num: 158

Candidate Starts for Papez_14:

(109, 10061), (Start: 158 @10127 has 220 MA's), (263, 10325), (365, 10538), (482, 10733), (489, 10745), (545, 10844), (584, 10916), (667, 11039), (682, 11078), (710, 11156), (712, 11162), (735, 11210), (739, 11222), (743, 11231), (762, 11264), (785, 11321), (824, 11411), (845, 11444), (857, 11456),

Gene: Paphu_11 Start: 8121, Stop: 9563, Start Num: 158

Candidate Starts for Paphu_11:

(109, 8055), (Start: 158 @8121 has 220 MA's), (263, 8319), (365, 8532), (482, 8727), (489, 8739), (545, 8838), (667, 9033), (682, 9072), (710, 9150), (712, 9156), (735, 9204), (739, 9216), (743, 9225), (785, 9315), (824, 9405), (845, 9438), (857, 9450),

Gene: Paraselene_11 Start: 8433, Stop: 9875, Start Num: 158

Candidate Starts for Paraselene_11:

(109, 8367), (Start: 158 @8433 has 220 MA's), (263, 8631), (365, 8844), (482, 9039), (489, 9051), (545, 9150), (667, 9345), (682, 9384), (710, 9462), (712, 9468), (735, 9516), (739, 9528), (743, 9537), (785, 9627), (824, 9717), (845, 9750), (857, 9762),

Gene: Pari_13 Start: 8900, Stop: 10342, Start Num: 158

Candidate Starts for Pari_13:

(109, 8834), (Start: 158 @8900 has 220 MA's), (263, 9098), (365, 9311), (482, 9506), (489, 9518), (545, 9617), (667, 9812), (682, 9851), (710, 9929), (712, 9935), (735, 9983), (739, 9995), (743, 10004), (762, 10037), (785, 10094), (824, 10184), (845, 10217), (857, 10229),

Gene: Parliament_11 Start: 8503, Stop: 9945, Start Num: 158

Candidate Starts for Parliament_11:

(109, 8437), (Start: 158 @8503 has 220 MA's), (263, 8701), (365, 8914), (482, 9109), (489, 9121), (545, 9220), (667, 9415), (682, 9454), (710, 9532), (712, 9538), (735, 9586), (739, 9598), (743, 9607), (785, 9697), (824, 9787), (845, 9820), (857, 9832),

Gene: Partridge_9 Start: 4894, Stop: 6324, Start Num: 124

Candidate Starts for Partridge_9:

(Start: 124 @4894 has 299 MA's), (247, 5071), (255, 5092), (266, 5119), (273, 5134), (308, 5197), (349, 5296), (355, 5311), (449, 5440), (488, 5512), (538, 5599), (541, 5608), (545, 5614), (574, 5662), (624, 5731), (630, 5740), (663, 5806), (667, 5815), (721, 5959), (741, 6004), (743, 6007), (787, 6100), (812, 6157), (824, 6187), (836, 6214), (848, 6226), (854, 6232),

Gene: PascalRango_11 Start: 8299, Stop: 9741, Start Num: 158

Candidate Starts for PascalRango_11:

(109, 8233), (Start: 158 @8299 has 220 MA's), (263, 8497), (365, 8710), (482, 8905), (484, 8908), (545, 9016), (584, 9088), (667, 9211), (682, 9250), (710, 9328), (712, 9334), (735, 9382), (739, 9394), (743, 9403), (785, 9493), (824, 9583), (845, 9616), (857, 9628),

Gene: Patio_28 Start: 14770, Stop: 16353, Start Num: 120

Candidate Starts for Patio_28:

(Start: 120 @14770 has 6 MA's), (Start: 127 @14779 has 330 MA's), (182, 14857), (305, 15124), (353, 15238), (529, 15508), (570, 15592), (576, 15607), (581, 15622), (633, 15703), (684, 15844), (722, 15943), (735, 15967), (738, 15976), (759, 16036), (788, 16102), (799, 16120), (803, 16129), (818, 16174),

Gene: PatoPoderoso_3 Start: 2291, Stop: 3625, Start Num: 180

Candidate Starts for PatoPoderoso_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (833, 3593),

Gene: Patt_10 Start: 3854, Stop: 5440, Start Num: 81

Candidate Starts for Patt_10:

(Start: 75 @3839 has 32 MA's), (Start: 81 @3854 has 28 MA's), (Start: 101 @3878 has 1 MA's), (Start: 154 @3944 has 46 MA's), (186, 3989), (Start: 222 @4061 has 4 MA's), (248, 4118), (249, 4121), (253, 4130), (266, 4160), (305, 4229), (314, 4250), (319, 4265), (324, 4286), (327, 4292), (345, 4316), (362, 4352), (369, 4367), (388, 4406), (476, 4541), (479, 4550), (488, 4568), (500, 4595), (501, 4598), (522, 4631), (537, 4664), (546, 4685), (558, 4706), (624, 4769), (637, 4793), (645, 4817), (666, 4865), (670, 4877), (675, 4889), (677, 4895), (697, 4934), (739, 5048), (741, 5054), (803, 5225), (812, 5252), (813, 5261), (845, 5324), (857, 5336),

Gene: PattyP_14 Start: 8957, Stop: 10399, Start Num: 158

Candidate Starts for PattyP_14:

(109, 8891), (Start: 158 @8957 has 220 MA's), (263, 9155), (365, 9368), (482, 9563), (484, 9566), (545, 9674), (584, 9746), (667, 9869), (682, 9908), (710, 9986), (712, 9992), (735, 10040), (739, 10052), (743, 10061), (785, 10151), (824, 10241), (845, 10274), (857, 10286),

Gene: Pavo_8 Start: 4175, Stop: 5608, Start Num: 155

Candidate Starts for Pavo_8:

(Start: 155 @4175 has 140 MA's), (Start: 222 @4292 has 4 MA's), (246, 4340), (249, 4352), (371, 4595), (432, 4682), (466, 4742), (477, 4760), (479, 4766), (534, 4865), (573, 4940), (579, 4958), (610, 4997), (629, 5033), (669, 5135), (735, 5297), (741, 5315), (773, 5372), (812, 5462), (827, 5504), (882, 5570), (908, 5594),

Gene: Pawn_14 Start: 8726, Stop: 10180, Start Num: 124

Candidate Starts for Pawn_14:

(Start: 124 @8726 has 299 MA's), (Start: 157 @8756 has 14 MA's), (182, 8783), (233, 8888), (298, 9002), (320, 9068), (343, 9125), (382, 9203), (384, 9206), (482, 9347), (545, 9458), (549, 9464), (563, 9485), (663, 9650), (710, 9776), (735, 9830), (737, 9836), (743, 9851), (762, 9887), (802, 9974), (812, 10004), (824, 10034), (857, 10079), (867, 10088),

Gene: Payneful_12 Start: 8246, Stop: 9688, Start Num: 158

Candidate Starts for Payneful_12:

(109, 8180), (Start: 158 @8246 has 220 MA's), (263, 8444), (365, 8657), (370, 8669), (382, 8693), (482, 8852), (489, 8864), (545, 8963), (667, 9158), (682, 9197), (710, 9275), (712, 9281), (735, 9329), (739, 9341), (743, 9350), (785, 9440), (824, 9530), (845, 9563), (857, 9575),

Gene: PeaceMeal1_11 Start: 6471, Stop: 7931, Start Num: 124

Candidate Starts for PeaceMeal1_11:

(Start: 124 @6471 has 299 MA's), (Start: 157 @6498 has 14 MA's), (198, 6564), (229, 6618), (233, 6630), (241, 6639), (308, 6777), (320, 6810), (324, 6828), (342, 6867), (344, 6870), (382, 6948), (480, 7086), (489, 7104), (545, 7203), (549, 7209), (563, 7230), (566, 7236), (577, 7260), (599, 7311), (663, 7416), (710, 7542), (711, 7545), (735, 7596), (737, 7602), (743, 7617), (757, 7647), (762, 7656), (798, 7737), (812, 7773), (824, 7803), (861, 7854), (864, 7857),

Gene: Peaches_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Peaches_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (542, 9307), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Peanam_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for Peanam_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: Peas_3 Start: 2383, Stop: 3747, Start Num: 145

Candidate Starts for Peas_3:

(Start: 145 @2383 has 30 MA's), (244, 2551), (249, 2569), (264, 2605), (327, 2743), (353, 2779), (419, 2890), (435, 2905), (450, 2920), (476, 2965), (484, 2986), (503, 3019), (569, 3139), (657, 3298), (672, 3331), (695, 3385), (735, 3487), (787, 3589), (789, 3595), (884, 3739),

Gene: Peeb_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Peeb_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (48, 1750), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: Peel_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Peel_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305,

3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: PegLeg_15 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for PegLeg_15:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: PeggyLeg03_3 Start: 2384, Stop: 3745, Start Num: 145

Candidate Starts for PeggyLeg03_3:

(Start: 145 @2384 has 30 MA's), (218, 2501), (244, 2552), (249, 2570), (264, 2606), (298, 2654), (353, 2780), (400, 2861), (419, 2891), (476, 2966), (513, 3035), (559, 3125), (569, 3140), (672, 3332), (695, 3386), (741, 3506), (789, 3596), (851, 3710),

Gene: Pelly_13 Start: 9132, Stop: 10574, Start Num: 158

Candidate Starts for Pelly_13:

(109, 9066), (Start: 158 @9132 has 220 MA's), (263, 9330), (365, 9543), (450, 9672), (482, 9738), (489, 9750), (545, 9849), (584, 9921), (667, 10044), (682, 10083), (710, 10161), (712, 10167), (735, 10215), (739, 10227), (743, 10236), (785, 10326), (824, 10416), (845, 10449), (857, 10461),

Gene: Pemberton_28 Start: 12143, Stop: 13720, Start Num: 121

Candidate Starts for Pemberton_28:

(Start: 84 @12098 has 7 MA's), (Start: 121 @12143 has 32 MA's), (Start: 140 @12167 has 4 MA's), (Start: 148 @12176 has 57 MA's), (460, 12782), (496, 12827), (570, 12959), (581, 12989), (667, 13166), (678, 13196), (684, 13211), (735, 13334), (738, 13343), (750, 13379), (759, 13403), (788, 13469), (799, 13487), (803, 13496), (818, 13541),

Gene: Pembroke_14 Start: 8655, Stop: 10109, Start Num: 124

Candidate Starts for Pembroke_14:

(Start: 124 @8655 has 299 MA's), (Start: 157 @8685 has 14 MA's), (182, 8712), (233, 8817), (298, 8931), (320, 8997), (343, 9054), (382, 9132), (384, 9135), (482, 9276), (545, 9387), (549, 9393), (563, 9414), (663, 9579), (710, 9705), (735, 9759), (737, 9765), (743, 9780), (762, 9816), (802, 9903), (812, 9933), (824, 9963), (857, 10008), (867, 10017),

Gene: Penny1_14 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for Penny1_14:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Pepe_13 Start: 9155, Stop: 10597, Start Num: 158

Candidate Starts for Pepe_13:

(109, 9089), (Start: 158 @9155 has 220 MA's), (263, 9353), (365, 9566), (482, 9761), (489, 9773), (545, 9872), (667, 10067), (682, 10106), (710, 10184), (712, 10190), (735, 10238), (739, 10250), (743, 10259), (762, 10292), (785, 10349), (824, 10439), (845, 10472), (857, 10484),

Gene: Percival_3 Start: 2531, Stop: 3802, Start Num: 222

Candidate Starts for Percival_3:

(Start: 222 @2531 has 4 MA's), (266, 2630), (377, 2816), (546, 3089), (583, 3164), (634, 3224), (672, 3320), (687, 3362), (689, 3365), (705, 3407), (782, 3572), (789, 3590), (799, 3599), (920, 3779),

Gene: Peridot_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Peridot_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Periodt_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Periodt_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Periwinkle_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Periwinkle_4:

(Start: 123 @2191 has 47 MA's), (173, 2245), (194, 2281), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (258, 2410), (301, 2482), (312, 2512), (319, 2536), (324, 2557), (355, 2605), (395, 2674), (432, 2716), (479, 2794), (494, 2815), (496, 2818), (532, 2878), (542, 2908), (545, 2911), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (642, 3079), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (709, 3256), (729, 3301), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: Perplexer_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Perplexer_12:

(Start: 124 @8581 has 299 MA's), (229, 8731), (233, 8743), (308, 8890), (316, 8911), (324, 8941), (343, 8980), (352, 8998), (355, 9007), (382, 9058), (476, 9187), (482, 9205), (514, 9250), (545, 9316), (549, 9322), (563, 9343), (566, 9349), (599, 9418), (642, 9478), (663, 9523), (710, 9649), (711, 9652), (735, 9703), (737, 9709), (741, 9721), (743, 9724), (757, 9751), (802, 9847), (812, 9877), (816, 9889), (824, 9907), (845, 9937),

Gene: Perseus_13 Start: 8816, Stop: 10258, Start Num: 158

Candidate Starts for Perseus_13:

(109, 8750), (Start: 158 @8816 has 220 MA's), (263, 9014), (365, 9227), (482, 9422), (489, 9434), (545, 9533), (584, 9605), (667, 9728), (682, 9767), (710, 9845), (712, 9851), (735, 9899), (739, 9911), (743, 9920), (785, 10010), (824, 10100), (845, 10133), (857, 10145),

Gene: Persistence_3 Start: 2346, Stop: 3683, Start Num: 155

Candidate Starts for Persistence_3:

(Start: 129 @2319 has 6 MA's), (Start: 140 @2334 has 4 MA's), (Start: 155 @2346 has 140 MA's), (188, 2388), (224, 2457), (229, 2469), (301, 2610), (353, 2727), (365, 2751), (382, 2784), (496, 2952), (541, 3036), (549, 3048), (551, 3051), (565, 3075), (585, 3117), (667, 3243), (713, 3369), (734, 3411), (768, 3477), (785, 3525), (824, 3609), (825, 3612), (828, 3618), (877, 3669),

Gene: PeterPeter_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for PeterPeter_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Petersenfast_12 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Petersenfast_12:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Peterson_15 Start: 10115, Stop: 11557, Start Num: 158

Candidate Starts for Peterson_15:

(109, 10049), (Start: 158 @10115 has 220 MA's), (263, 10313), (365, 10526), (482, 10721), (489, 10733), (545, 10832), (667, 11027), (682, 11066), (710, 11144), (712, 11150), (734, 11195), (735, 11198), (739, 11210), (743, 11219), (762, 11252), (785, 11309), (824, 11399), (845, 11432),

Gene: PeteyPab_13 Start: 8757, Stop: 10319, Start Num: 129

Candidate Starts for PeteyPab_13:

(Start: 117 @8742 has 8 MA's), (Start: 129 @8757 has 6 MA's), (178, 8820), (188, 8841), (201, 8883), (234, 8943), (238, 8952), (244, 8961), (258, 9000), (305, 9096), (355, 9216), (360, 9222), (389, 9285), (394, 9291), (477, 9405), (487, 9426), (515, 9480), (532, 9504), (570, 9579), (576, 9594), (581, 9609), (641, 9714), (646, 9723), (684, 9831), (739, 9963), (764, 10026), (782, 10071), (804, 10116), (806, 10122), (813, 10149), (818, 10158), (824, 10173), (899, 10257),

Gene: PetiteSangsue_12 Start: 8587, Stop: 10038, Start Num: 124

Candidate Starts for PetiteSangsue_12:

(Start: 124 @8587 has 299 MA's), (229, 8737), (233, 8749), (308, 8896), (316, 8917), (324, 8947), (343, 8986), (352, 9004), (355, 9013), (382, 9064), (476, 9193), (482, 9211), (514, 9256), (545, 9322), (549, 9328), (563, 9349), (566, 9355), (599, 9424), (642, 9484), (663, 9529), (710, 9655), (711, 9658), (735, 9709), (737, 9715), (741, 9727), (743, 9730), (757, 9757), (802, 9853), (812, 9883), (816, 9895), (824, 9913), (845, 9943),

Gene: Petp2012_14 Start: 9631, Stop: 11073, Start Num: 158

Candidate Starts for Petp2012_14:

(109, 9565), (Start: 158 @9631 has 220 MA's), (263, 9829), (365, 10042), (482, 10237), (484, 10240), (545, 10348), (584, 10420), (667, 10543), (682, 10582), (710, 10660), (712, 10666), (735, 10714), (739, 10726), (743, 10735), (785, 10825), (824, 10915), (845, 10948), (857, 10960),

Gene: Petruchio_12 Start: 8374, Stop: 9816, Start Num: 158

Candidate Starts for Petruchio_12:

(109, 8308), (Start: 158 @8374 has 220 MA's), (263, 8572), (365, 8785), (482, 8980), (489, 8992), (545, 9091), (667, 9286), (682, 9325), (710, 9403), (712, 9409), (735, 9457), (739, 9469), (743, 9478), (785, 9568), (824, 9658), (845, 9691), (857, 9703),

Gene: PetterN_11 Start: 7735, Stop: 9168, Start Num: 127

Candidate Starts for PetterN_11:

(Start: 127 @7735 has 330 MA's), (225, 7864), (247, 7903), (252, 7918), (329, 8092), (343, 8119), (365, 8164), (382, 8197), (400, 8218), (449, 8278), (488, 8350), (489, 8353), (534, 8425), (549, 8458), (563, 8479), (577, 8509), (710, 8770), (735, 8824), (741, 8842), (762, 8881), (812, 8998), (824, 9028), (842, 9058), (857, 9073), (867, 9082),

Gene: Ph8s_14 Start: 8043, Stop: 9500, Start Num: 127

Candidate Starts for Ph8s_14:

(Start: 127 @8043 has 330 MA's), (182, 8103), (233, 8208), (365, 8490), (489, 8679), (534, 8751), (545, 8778), (549, 8784), (563, 8805), (566, 8811), (682, 9018), (735, 9150), (741, 9168), (743, 9171), (757, 9198), (762, 9207), (802, 9294), (812, 9324), (824, 9354), (842, 9384), (867, 9408), (890, 9429),

Gene: Phabuloso_4 Start: 2189, Stop: 3625, Start Num: 123

Candidate Starts for Phabuloso_4:

(Start: 123 @2189 has 47 MA's), (198, 2291), (226, 2342), (255, 2399), (258, 2408), (301, 2480), (319, 2534), (329, 2567), (355, 2603), (390, 2666), (468, 2774), (482, 2801), (494, 2813), (496, 2816), (532, 2876), (534, 2882), (556, 2927), (559, 2933), (575, 2960), (583, 2978), (596, 3011), (632, 3062), (649, 3092), (671, 3146), (682, 3176), (696, 3206), (741, 3329), (780, 3422), (787, 3437), (807, 3479), (813, 3500), (825, 3527), (860, 3560), (883, 3587),

Gene: Phacado_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Phacado_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (489, 9210), (545, 9309), (549, 9315), (563, 9336), (566, 9342), (599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (824, 9903), (845, 9933),

Gene: Phaded_16 Start: 11324, Stop: 12778, Start Num: 127

Candidate Starts for Phaded_16:

(Start: 127 @11324 has 330 MA's), (182, 11384), (233, 11489), (298, 11603), (329, 11699), (365, 11771), (534, 12032), (545, 12059), (549, 12065), (563, 12086), (587, 12137), (735, 12431), (741, 12449), (757, 12479), (762, 12488), (787, 12548), (802, 12575), (812, 12605), (824, 12635), (842, 12665), (867, 12689),

Gene: Phaeder_14 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for Phaeder_14:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (577, 10688), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: PhailMary_8 Start: 4901, Stop: 6331, Start Num: 124

Candidate Starts for PhailMary_8:

(Start: 124 @4901 has 299 MA's), (247, 5078), (255, 5099), (266, 5126), (273, 5141), (308, 5204), (355, 5318), (449, 5447), (488, 5519), (538, 5606), (541, 5615), (545, 5621), (574, 5669), (624, 5738), (630, 5747), (663, 5813), (667, 5822), (721, 5966), (741, 6011), (743, 6014), (787, 6107), (812, 6164), (824, 6194), (836, 6221), (848, 6233), (854, 6239),

Gene: Phalconet_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Phalconet_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Phanphagia_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Phanphagia_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Phantastic_12 Start: 8155, Stop: 9621, Start Num: 127

Candidate Starts for Phantastic_12:

(Start: 127 @8155 has 330 MA's), (233, 8326), (273, 8410), (308, 8473), (320, 8506), (324, 8524), (343, 8563), (355, 8590), (381, 8638), (480, 8779), (484, 8788), (534, 8869), (542, 8893), (545, 8896), (549, 8902), (563, 8923), (566, 8929), (663, 9100), (710, 9226), (711, 9229), (735, 9280), (737, 9286), (743, 9301), (757, 9331), (812, 9457), (824, 9487), (845, 9517),

Gene: PhaoMing_2 Start: 2217, Stop: 3704, Start Num: 109

Candidate Starts for PhaoMing_2:

(109, 2217), (Start: 137 @2256 has 1 MA's), (139, 2259), (Start: 144 @2265 has 15 MA's), (167, 2295), (170, 2298), (178, 2310), (184, 2322), (195, 2349), (197, 2355), (203, 2379), (208, 2388), (233, 2418), (242, 2433), (248, 2451), (253, 2463), (262, 2484), (263, 2487), (305, 2580), (314, 2601), (319, 2616), (322, 2628), (327, 2643), (328, 2646), (331, 2655), (348, 2682), (362, 2712), (366, 2721), (373, 2736), (375, 2739), (402, 2784), (408, 2793), (441, 2838), (449, 2853), (462, 2877), (474, 2901), (495, 2952), (512, 2982), (515, 2985), (536, 3030), (537, 3033), (554, 3066), (623, 3150), (629, 3156), (659, 3219), (673, 3255), (675, 3261), (678, 3270), (687, 3294), (691, 3300), (702, 3333), (705, 3342), (767, 3471), (773, 3486), (799, 3540), (803, 3549), (821, 3600), (851, 3648), (875, 3675),

Gene: Pharaoh_13 Start: 9690, Stop: 11159, Start Num: 127

Candidate Starts for Pharaoh_13:

(35, 9345), (Start: 127 @9690 has 330 MA's), (182, 9750), (Start: 193 @9774 has 1 MA's), (233, 9855), (298, 9969), (329, 10065), (365, 10137), (382, 10170), (481, 10311), (534, 10398), (545, 10425), (549, 10431), (563, 10452), (587, 10503), (735, 10797), (741, 10815), (757, 10845), (762, 10854), (787, 10914), (812, 10971), (824, 11001), (828, 11010), (842, 11031), (867, 11055), (930, 11133),

Gene: Pharb_8 Start: 2724, Stop: 4280, Start Num: 83

Candidate Starts for Pharb_8:

(44, 2592), (Start: 75 @2709 has 32 MA's), (Start: 83 @2724 has 142 MA's), (95, 2733), (Start: 117 @2754 has 8 MA's), (175, 2817), (182, 2826), (232, 2931), (248, 2964), (253, 2976), (305, 3075), (314, 3096), (319, 3111), (327, 3138), (356, 3189), (362, 3198), (369, 3213), (414, 3288), (428, 3309), (445, 3342), (479, 3402), (501, 3450), (522, 3483), (537, 3516), (555, 3552), (624, 3621), (635, 3639), (659, 3699), (666, 3717), (670, 3729), (672, 3732), (677, 3747), (687, 3774), (709, 3828), (711, 3834), (734, 3882), (741, 3903), (803, 4023), (811, 4047), (812, 4050), (813, 4059), (828, 4095),

Gene: Phasih_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Phasih_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407),

3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Phatniss_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Phatniss_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (675, 3194), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560), (833, 3578),

Gene: Phelipe_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Phelipe_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: PhelpsODU_8 Start: 2988, Stop: 4538, Start Num: 83

Candidate Starts for PhelpsODU_8:

(44, 2856), (46, 2883), (Start: 75 @2973 has 32 MA's), (Start: 83 @2988 has 142 MA's), (182, 3096), (Start: 222 @3177 has 4 MA's), (232, 3201), (252, 3243), (266, 3276), (305, 3345), (314, 3366), (319, 3381), (327, 3408), (369, 3486), (428, 3582), (454, 3627), (479, 3675), (501, 3723), (522, 3756), (537, 3789), (546, 3810), (558, 3831), (575, 3861), (624, 3894), (635, 3912), (670, 4002), (672, 4005), (677, 4020), (699, 4056), (701, 4062), (711, 4104), (735, 4155), (741, 4173), (780, 4254), (785, 4266), (787, 4269), (811, 4314), (812, 4317), (813, 4326),

Gene: PherrisBueller_13 Start: 8584, Stop: 10026, Start Num: 158

Candidate Starts for PherrisBueller_13:

(109, 8518), (Start: 158 @8584 has 220 MA's), (263, 8782), (365, 8995), (482, 9190), (489, 9202), (545, 9301), (667, 9496), (682, 9535), (710, 9613), (712, 9619), (735, 9667), (739, 9679), (743, 9688), (785, 9778), (824, 9868), (845, 9901), (857, 9913),

Gene: PhesterPhotato_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for PhesterPhotato_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Phettuccine_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Phettuccine_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: Phighter1804_12 Start: 8554, Stop: 10005, Start Num: 124

Candidate Starts for Phighter1804_12:

(Start: 124 @8554 has 299 MA's), (233, 8713), (316, 8881), (324, 8911), (343, 8950), (352, 8968), (382, 9028), (476, 9157), (482, 9175), (545, 9286), (549, 9292), (563, 9313), (566, 9319), (599, 9388), (642, 9448), (663, 9493), (710, 9619), (711, 9622), (735, 9673), (737, 9679), (743, 9694), (757, 9724), (798, 9814), (812, 9850), (824, 9880), (845, 9910),

Gene: Phillis_10 Start: 7418, Stop: 8848, Start Num: 127

Candidate Starts for Phillis_10:

(Start: 127 @7418 has 330 MA's), (232, 7568), (308, 7715), (365, 7850), (449, 7961), (482, 8024), (514, 8069), (545, 8135), (563, 8162), (663, 8327), (702, 8429), (735, 8507), (737, 8513), (762, 8564), (812, 8681), (824, 8711), (867, 8765), (921, 8825),

Gene: Philus_3 Start: 2276, Stop: 3610, Start Num: 180

Candidate Starts for Philus_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: PhineBark_11 Start: 9471, Stop: 10913, Start Num: 158

Candidate Starts for PhineBark_11:

(109, 9405), (Start: 158 @9471 has 220 MA's), (263, 9669), (365, 9882), (482, 10077), (489, 10089), (545, 10188), (667, 10383), (682, 10422), (710, 10500), (712, 10506), (735, 10554), (739, 10566), (743, 10575), (762, 10608), (785, 10665), (824, 10755), (845, 10788), (857, 10800),

Gene: PhinkBoden_31 Start: 10827, Stop: 12443, Start Num: 104

Candidate Starts for PhinkBoden_31:

(Start: 104 @10827 has 19 MA's), (Start: 143 @10878 has 5 MA's), (Start: 151 @10887 has 63 MA's), (Start: 193 @10947 has 1 MA's), (Start: 222 @11004 has 4 MA's), (240, 11040), (258, 11085), (269, 11112), (365, 11316), (379, 11346), (403, 11382), (431, 11427), (435, 11436), (444, 11451), (532, 11589), (533, 11592), (539, 11610), (541, 11616), (566, 11658), (644, 11850), (675, 11937), (686, 11967), (704, 12012), (722, 12060), (730, 12075), (756, 12138), (769, 12162), (771, 12168), (775, 12177), (806, 12246), (824, 12297), (825, 12300), (829, 12312),

Gene: Phish_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Phish_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: PhishRPhriends_13 Start: 7917, Stop: 9371, Start Num: 124

Candidate Starts for PhishRPhriends_13:

(Start: 124 @7917 has 299 MA's), (Start: 157 @7947 has 14 MA's), (182, 7974), (233, 8079), (298, 8193), (320, 8259), (343, 8316), (382, 8394), (384, 8397), (482, 8538), (545, 8649), (549, 8655), (563, 8676), (663, 8841), (710, 8967), (735, 9021), (737, 9027), (743, 9042), (762, 9078), (802, 9165), (812, 9195), (824, 9225), (857, 9270), (867, 9279),

Gene: Phishy_6 Start: 3023, Stop: 4489, Start Num: 157

Candidate Starts for Phishy_6:

(Start: 157 @3023 has 14 MA's), (182, 3056), (226, 3146), (256, 3206), (261, 3218), (265, 3227), (303, 3290), (318, 3335), (319, 3338), (320, 3341), (323, 3356), (324, 3359), (327, 3365), (342, 3398), (359, 3422), (381, 3470), (412, 3515), (423, 3533), (432, 3545), (439, 3554), (442, 3560), (457, 3584), (482, 3632), (522, 3704), (537, 3737), (561, 3782), (582, 3830), (615, 3911), (634, 3944), (639, 3959), (649, 3983), (666, 4025), (682, 4067), (698, 4094), (702, 4118), (728, 4184), (734, 4193), (761, 4244), (785, 4295), (811, 4343), (821, 4370), (825, 4382), (856, 4427), (899, 4472),

Gene: Phistory_4 Start: 2190, Stop: 3626, Start Num: 123

Candidate Starts for Phistory_4:

(Start: 123 @2190 has 47 MA's), (194, 2280), (Start: 222 @2331 has 4 MA's), (224, 2334), (258, 2409), (270, 2439), (301, 2481), (312, 2511), (319, 2535), (329, 2568), (532, 2877), (534, 2883), (542, 2907), (556, 2928), (559, 2934), (575, 2961), (583, 2979), (596, 3012), (649, 3093), (671, 3147), (682, 3177), (696, 3207), (741, 3330), (780, 3423), (787, 3438), (813, 3501), (860, 3561),

Gene: Phives_4 Start: 3338, Stop: 4720, Start Num: 148

Candidate Starts for Phives_4:

(Start: 148 @3338 has 57 MA's), (Start: 222 @3458 has 4 MA's), (266, 3557), (421, 3821), (580, 4094), (675, 4253), (699, 4301), (705, 4331), (713, 4355), (799, 4529), (864, 4649),

Gene: Phlei_9 Start: 9660, Stop: 11111, Start Num: 127

Candidate Starts for Phlei_9:

(Start: 127 @9660 has 330 MA's), (233, 9825), (365, 10107), (482, 10287), (489, 10299), (496, 10305), (534, 10371), (545, 10398), (549, 10404), (560, 10422), (563, 10425), (566, 10431), (587, 10476), (657, 10578), (735, 10770), (741, 10788), (743, 10791), (757, 10818), (762, 10827), (789, 10893), (812, 10944), (824, 10974), (842, 11004), (857, 11019), (870, 11031),

Gene: PhlipPhlop_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for PhlipPhlop_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Phlipppers_11 Start: 9656, Stop: 11098, Start Num: 158

Candidate Starts for Phlipppers_11:

(109, 9590), (Start: 158 @9656 has 220 MA's), (263, 9854), (365, 10067), (482, 10262), (489, 10274), (545, 10373), (667, 10568), (682, 10607), (710, 10685), (712, 10691), (735, 10739), (739, 10751), (743, 10760), (785, 10850), (824, 10940), (845, 10973), (857, 10985),

Gene: Phloodle_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Phloodle_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Phlorence_10 Start: 8047, Stop: 9480, Start Num: 127

Candidate Starts for Phlorence_10:

(Start: 127 @8047 has 330 MA's), (247, 8215), (252, 8230), (255, 8236), (329, 8404), (343, 8431), (382, 8509), (449, 8590), (488, 8662), (489, 8665), (534, 8737), (549, 8770), (563, 8791), (577, 8821), (605, 8866), (710, 9082), (735, 9136), (741, 9154), (762, 9193), (812, 9310), (824, 9340), (842, 9370), (867, 9394),

Gene: Phoebe_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Phoebe_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Phomeo_24 Start: 14572, Stop: 16161, Start Num: 121

Candidate Starts for Phomeo_24:

(Start: 121 @14572 has 32 MA's), (Start: 124 @14578 has 299 MA's), (138, 14593), (Start: 145 @14602 has 30 MA's), (182, 14656), (266, 14848), (305, 14926), (315, 14950), (323, 14980), (440, 15184), (460, 15211), (487, 15238), (533, 15328), (570, 15400), (576, 15415), (581, 15430), (633, 15511), (684, 15652), (722, 15751), (730, 15766), (735, 15775), (738, 15784), (750, 15820), (759, 15844), (799, 15928), (803, 15937), (818, 15982),

Gene: Phonnegut_14 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Phonnegut_14:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (577, 10721), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Phontbonne_12 Start: 8522, Stop: 9976, Start Num: 124

Candidate Starts for Phontbonne_12:

(Start: 124 @8522 has 299 MA's), (229, 8672), (233, 8684), (316, 8852), (324, 8882), (343, 8921), (352, 8939), (382, 8999), (476, 9128), (482, 9146), (545, 9257), (549, 9263), (563, 9284), (566, 9290), (599, 9359), (642, 9419), (663, 9464), (710, 9590), (711, 9593), (735, 9644), (743, 9665), (757, 9695), (798, 9785), (812, 9821), (824, 9851), (845, 9881),

Gene: PhorbesPhlower_3 Start: 1754, Stop: 3208, Start Num: 126

Candidate Starts for PhorbesPhlower_3:

(Start: 126 @1754 has 23 MA's), (Start: 154 @1781 has 46 MA's), (186, 1823), (214, 1883), (229, 1907), (246, 1937), (292, 2027), (301, 2042), (316, 2087), (322, 2108), (326, 2120), (355, 2165), (395, 2234), (432, 2276), (452, 2306), (482, 2357), (532, 2432), (556, 2483), (574, 2513), (591, 2558), (602, 2582), (642, 2630), (649, 2645), (710, 2810), (735, 2864), (736, 2867), (797, 3002), (811, 3038), (880, 3143),

Gene: Phoxy_14 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for Phoxy_14:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: Phrank_8 Start: 2954, Stop: 4504, Start Num: 83

Candidate Starts for Phrank_8:

(44, 2822), (46, 2849), (Start: 75 @2939 has 32 MA's), (Start: 83 @2954 has 142 MA's), (116, 2984), (182, 3062), (Start: 222 @3143 has 4 MA's), (232, 3167), (252, 3209), (305, 3311), (314, 3332), (319,

3347), (327, 3374), (369, 3452), (388, 3491), (428, 3548), (467, 3617), (479, 3641), (495, 3677), (501, 3689), (522, 3722), (537, 3755), (546, 3776), (558, 3797), (575, 3827), (624, 3860), (635, 3878), (670, 3968), (672, 3971), (677, 3986), (699, 4022), (701, 4028), (711, 4070), (735, 4121), (741, 4139), (785, 4232), (787, 4235), (803, 4256), (811, 4280), (812, 4283), (813, 4292),

Gene: Phrank15_3 Start: 2347, Stop: 3684, Start Num: 155

Candidate Starts for Phrank15_3:

(Start: 129 @2320 has 6 MA's), (Start: 140 @2335 has 4 MA's), (Start: 155 @2347 has 140 MA's), (188, 2389), (190, 2395), (199, 2419), (224, 2458), (229, 2470), (353, 2728), (382, 2785), (477, 2920), (480, 2929), (498, 2956), (541, 3037), (549, 3049), (551, 3052), (565, 3076), (667, 3244), (670, 3253), (687, 3298), (710, 3361), (713, 3370), (734, 3412), (738, 3424), (758, 3463), (787, 3529), (824, 3610), (828, 3619), (877, 3670),

Gene: Phrankenstein_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Phrankenstein_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Phranny_15 Start: 8724, Stop: 10178, Start Num: 124

Candidate Starts for Phranny_15:

(Start: 124 @8724 has 299 MA's), (Start: 157 @8754 has 14 MA's), (182, 8781), (233, 8886), (298, 9000), (320, 9066), (343, 9123), (382, 9201), (384, 9204), (482, 9345), (545, 9456), (549, 9462), (563, 9483), (663, 9648), (710, 9774), (735, 9828), (737, 9834), (743, 9849), (762, 9885), (802, 9972), (812, 10002), (824, 10032), (857, 10077), (867, 10086),

Gene: Phreak_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Phreak_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: PhrostyMug_12 Start: 8730, Stop: 10172, Start Num: 158

Candidate Starts for PhrostyMug_12:

(109, 8664), (Start: 158 @8730 has 220 MA's), (263, 8928), (365, 9141), (482, 9336), (545, 9447), (667, 9642), (682, 9681), (710, 9759), (712, 9765), (735, 9813), (739, 9825), (743, 9834), (785, 9924), (824, 10014), (845, 10047), (857, 10059),

Gene: Piatt_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Piatt_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: PickleBack_10 Start: 7757, Stop: 9190, Start Num: 127

Candidate Starts for PickleBack_10:

(Start: 127 @7757 has 330 MA's), (247, 7925), (252, 7940), (255, 7946), (329, 8114), (343, 8141), (382, 8219), (449, 8300), (488, 8372), (489, 8375), (534, 8447), (549, 8480), (563, 8501), (577, 8531), (605, 8576), (710, 8792), (735, 8846), (741, 8864), (762, 8903), (812, 9020), (824, 9050), (842, 9080), (867, 9104),

Gene: PinkPlastic_11 Start: 8499, Stop: 9941, Start Num: 158

Candidate Starts for PinkPlastic_11:

(109, 8433), (Start: 158 @8499 has 220 MA's), (263, 8697), (365, 8910), (482, 9105), (545, 9216), (667, 9411), (682, 9450), (710, 9528), (712, 9534), (735, 9582), (739, 9594), (743, 9603), (785, 9693), (824, 9783), (845, 9816), (857, 9828),

Gene: PinkYoshi_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for PinkYoshi_3:

(Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Pinnie_4 Start: 2401, Stop: 3951, Start Num: 105

Candidate Starts for Pinnie_4:

(Start: 105 @2401 has 79 MA's), (Start: 140 @2452 has 4 MA's), (164, 2479), (315, 2767), (362, 2866), (382, 2905), (516, 3094), (543, 3154), (549, 3163), (571, 3199), (591, 3250), (614, 3283), (649, 3340), (666, 3382), (673, 3400), (741, 3577), (807, 3724), (839, 3799), (845, 3805), (902, 3868), (909, 3883),

Gene: Pinto_14 Start: 8806, Stop: 10248, Start Num: 158

Candidate Starts for Pinto_14:

(109, 8740), (Start: 158 @8806 has 220 MA's), (263, 9004), (365, 9217), (482, 9412), (484, 9415), (545, 9523), (584, 9595), (667, 9718), (682, 9757), (710, 9835), (712, 9841), (735, 9889), (739, 9901), (743, 9910), (785, 10000), (824, 10090), (845, 10123), (857, 10135),

Gene: Pioneer_14 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Pioneer_14:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (577, 10721), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Pipcraft_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Pipcraft_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Piper2020_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for Piper2020_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Pippin_14 Start: 9007, Stop: 10449, Start Num: 158

Candidate Starts for Pippin_14:

(109, 8941), (Start: 158 @9007 has 220 MA's), (263, 9205), (365, 9418), (482, 9613), (484, 9616), (545, 9724), (667, 9919), (682, 9958), (710, 10036), (712, 10042), (735, 10090), (739, 10102), (743, 10111), (785, 10201), (824, 10291), (845, 10324), (857, 10336),

Gene: Pippy_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Pippy_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Pirate_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for Pirate_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (376, 2298), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (477, 2427), (488, 2451), (489, 2454), (498, 2463), (539, 2541), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (737, 2925), (743, 2940), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: Piro94_14 Start: 9725, Stop: 11185, Start Num: 127

Candidate Starts for Piro94_14:

(Start: 127 @9725 has 330 MA's), (182, 9785), (229, 9878), (233, 9890), (365, 10172), (382, 10205), (484, 10352), (489, 10361), (534, 10433), (545, 10460), (549, 10466), (563, 10487), (687, 10715), (735, 10832), (743, 10853), (757, 10880), (762, 10889), (812, 11006), (824, 11036), (842, 11066), (867, 11090),

Gene: Pisa1_8 Start: 2795, Stop: 4342, Start Num: 83

Candidate Starts for Pisa1_8:

(22, 2384), (38, 2552), (46, 2693), (Start: 75 @2780 has 32 MA's), (Start: 83 @2795 has 142 MA's), (175, 2891), (182, 2900), (Start: 222 @2981 has 4 MA's), (232, 3005), (248, 3038), (252, 3047), (266, 3080), (305, 3149), (327, 3212), (362, 3275), (369, 3290), (414, 3365), (428, 3386), (444, 3416), (501, 3527), (522, 3560), (537, 3593), (546, 3614), (558, 3635), (575, 3665), (624, 3698), (635, 3716), (666, 3794), (670, 3806), (672, 3809), (676, 3821), (677, 3824), (699, 3860), (711, 3908), (735, 3959), (741, 3977), (787, 4073), (803, 4094), (812, 4121), (813, 4130), (828, 4166),

Gene: Pisa4_8 Start: 2795, Stop: 4342, Start Num: 83

Candidate Starts for Pisa4_8:

(22, 2384), (38, 2552), (46, 2693), (Start: 75 @2780 has 32 MA's), (Start: 83 @2795 has 142 MA's), (175, 2891), (182, 2900), (Start: 222 @2981 has 4 MA's), (232, 3005), (248, 3038), (252, 3047), (266, 3080), (305, 3149), (327, 3212), (362, 3275), (369, 3290), (414, 3365), (428, 3386), (444, 3416), (501, 3527), (522, 3560), (537, 3593), (546, 3614), (558, 3635), (575, 3665), (624, 3698), (635, 3716), (666, 3794), (670, 3806), (672, 3809), (676, 3821), (677, 3824), (699, 3860), (711, 3908), (735, 3959), (741, 3977), (787, 4073), (803, 4094), (812, 4121), (813, 4130), (828, 4166),

Gene: Pistachio_13 Start: 7740, Stop: 9206, Start Num: 127

Candidate Starts for Pistachio_13:

(Start: 127 @7740 has 330 MA's), (233, 7911), (273, 7995), (308, 8058), (320, 8091), (324, 8109), (343, 8148), (355, 8175), (381, 8223), (480, 8364), (484, 8373), (534, 8454), (542, 8478), (545, 8481), (549, 8487), (560, 8505), (563, 8508), (566, 8514), (663, 8685), (710, 8811), (711, 8814), (735, 8865), (737, 8871), (743, 8886), (757, 8916), (812, 9042), (824, 9072), (845, 9102),

Gene: Pita2_14 Start: 9164, Stop: 10606, Start Num: 158

Candidate Starts for Pita2_14:

(109, 9098), (Start: 158 @9164 has 220 MA's), (263, 9362), (365, 9575), (482, 9770), (489, 9782), (545, 9881), (584, 9953), (667, 10076), (682, 10115), (710, 10193), (712, 10199), (735, 10247), (739, 10259), (743, 10268), (785, 10358), (824, 10448), (845, 10481), (857, 10493),

Gene: Pitbull_3 Start: 1792, Stop: 3201, Start Num: 123

Candidate Starts for Pitbull_3:

(Start: 123 @1792 has 47 MA's), (216, 1927), (269, 2038), (298, 2074), (322, 2149), (395, 2281), (435, 2326), (455, 2356), (462, 2365), (498, 2419), (516, 2446), (532, 2476), (545, 2509), (556, 2527), (575, 2560), (649, 2683), (667, 2728), (674, 2746), (675, 2749), (696, 2797), (719, 2869), (726, 2884), (735, 2902), (813, 3085), (825, 3112), (847, 3145), (868, 3157),

Gene: Pixelle_3 Start: 2280, Stop: 3659, Start Num: 148

Candidate Starts for Pixelle_3:

(Start: 148 @2280 has 57 MA's), (196, 2352), (Start: 222 @2400 has 4 MA's), (266, 2499), (421, 2763), (484, 2856), (580, 3036), (675, 3192), (699, 3240), (705, 3270), (713, 3294), (799, 3468), (864, 3588),

Gene: Pixie_8 Start: 2674, Stop: 4239, Start Num: 83

Candidate Starts for Pixie_8:

(58, 2641), (Start: 83 @2674 has 142 MA's), (175, 2779), (182, 2788), (189, 2803), (232, 2893), (248, 2926), (253, 2938), (266, 2968), (305, 3037), (314, 3058), (319, 3073), (327, 3100), (356, 3151), (362, 3160), (369, 3175), (388, 3214), (414, 3250), (423, 3265), (428, 3271), (433, 3280), (441, 3295), (473, 3346), (501, 3412), (522, 3445), (527, 3451), (537, 3478), (546, 3499), (558, 3520), (624, 3583), (635, 3601), (666, 3679), (670, 3691), (672, 3694), (677, 3709), (709, 3790), (711, 3796), (734, 3844), (741, 3865), (803, 3982), (812, 4009), (813, 4018), (828, 4054),

Gene: Plagueis_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Plagueis_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Pleakley_34 Start: 14655, Stop: 16232, Start Num: 121

Candidate Starts for Pleakley_34:

(Start: 121 @14655 has 32 MA's), (Start: 124 @14661 has 299 MA's), (Start: 127 @14664 has 330 MA's), (Start: 148 @14691 has 57 MA's), (182, 14742), (305, 15009), (394, 15204), (406, 15219), (440, 15267), (570, 15471), (576, 15486), (581, 15501), (633, 15582), (667, 15678), (672, 15690), (684, 15723), (722, 15822), (735, 15846), (738, 15855), (750, 15891), (756, 15906), (759, 15915), (799, 15999), (814, 16047), (818, 16053),

Gene: Plumbus_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Plumbus_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404,

2686), (441, 2746), (495, 2848), (501, 2860), (506, 2869), (527, 2899), (531, 2908), (546, 2947), (557, 2965), (558, 2968), (575, 2998), (637, 3055), (652, 3094), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Pmask_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for Pmask_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: Pocahontas_13 Start: 8735, Stop: 10204, Start Num: 124

Candidate Starts for Pocahontas_13:

(Start: 124 @8735 has 299 MA's), (163, 8774), (233, 8900), (273, 8984), (308, 9047), (320, 9080), (324, 9098), (343, 9137), (355, 9164), (382, 9215), (476, 9341), (480, 9353), (488, 9368), (489, 9371), (534, 9443), (545, 9470), (549, 9476), (563, 9497), (566, 9503), (577, 9527), (599, 9569), (663, 9674), (710, 9800), (711, 9803), (735, 9854), (737, 9860), (743, 9875), (757, 9905), (812, 10031), (824, 10061), (845, 10091),

Gene: Poenanya_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Poenanya_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Poise_36 Start: 12177, Stop: 13742, Start Num: 76

Candidate Starts for Poise_36:

(Start: 76 @12177 has 19 MA's), (165, 12294), (231, 12414), (255, 12459), (258, 12468), (308, 12558), (323, 12606), (324, 12609), (353, 12651), (355, 12654), (368, 12678), (423, 12750), (425, 12753), (450, 12792), (460, 12813), (462, 12816), (488, 12861), (539, 12951), (542, 12960), (549, 12969), (574, 13011), (575, 13014), (592, 13053), (619, 13095), (625, 13101), (628, 13104), (647, 13149), (674, 13218), (710, 13317), (714, 13329), (763, 13428), (789, 13494), (802, 13515), (807, 13530), (856, 13623), (870, 13638),

Gene: Pokerus_8 Start: 2965, Stop: 4536, Start Num: 75

Candidate Starts for Pokerus_8:

(46, 2878), (Start: 75 @2965 has 32 MA's), (Start: 83 @2980 has 142 MA's), (175, 3079), (182, 3088), (215, 3160), (Start: 222 @3169 has 4 MA's), (232, 3193), (248, 3226), (252, 3235), (266, 3268), (305, 3337), (314, 3358), (327, 3400), (362, 3466), (369, 3481), (414, 3556), (428, 3577), (458, 3631), (522, 3751), (537, 3784), (546, 3805), (558, 3826), (575, 3856), (624, 3889), (635, 3907), (659, 3967), (666, 3985), (670, 3997), (672, 4000), (676, 4012), (677, 4015), (699, 4051), (711, 4099), (735, 4150), (741, 4168), (787, 4264), (803, 4285), (812, 4312), (813, 4321), (828, 4357),

Gene: Polka14_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Polka14_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (215, 2348), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575,

2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Pollux_3 Start: 2281, Stop: 3735, Start Num: 126

Candidate Starts for Pollux_3:

(51, 2128), (66, 2188), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (316, 2611), (319, 2620), (421, 2779), (432, 2794), (442, 2815), (484, 2884), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3682),

Gene: Pollywog_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Pollywog_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Polymorphads_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Polymorphads_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Polyphemus_16 Start: 9276, Stop: 10739, Start Num: 127

Candidate Starts for Polyphemus_16:

(Start: 127 @9276 has 330 MA's), (Start: 143 @9297 has 5 MA's), (182, 9336), (225, 9423), (230, 9435), (233, 9441), (365, 9723), (504, 9936), (534, 9987), (545, 10014), (549, 10020), (563, 10041), (743, 10407), (757, 10434), (762, 10443), (787, 10503), (812, 10560), (824, 10590), (842, 10620), (870, 10647),

Gene: Polygyuki_29 Start: 15877, Stop: 17466, Start Num: 117

Candidate Starts for Polygyuki_29:

(96, 15850), (Start: 117 @15877 has 8 MA's), (Start: 121 @15883 has 32 MA's), (Start: 127 @15892 has 330 MA's), (Start: 140 @15910 has 4 MA's), (Start: 143 @15913 has 5 MA's), (182, 15970), (199, 16012), (227, 16063), (305, 16237), (307, 16243), (360, 16363), (399, 16438), (406, 16447), (440, 16495), (557, 16675), (570, 16696), (577, 16714), (581, 16726), (641, 16831), (653, 16858), (667, 16903), (672, 16915), (684, 16948), (713, 17026), (722, 17047), (735, 17071), (738, 17080), (746, 17104), (799, 17224), (803, 17233), (811, 17257),

Gene: Pomar16_16 Start: 9200, Stop: 10657, Start Num: 127

Candidate Starts for Pomar16_16:

(Start: 127 @9200 has 330 MA's), (182, 9260), (229, 9353), (233, 9365), (365, 9647), (466, 9791), (488, 9833), (534, 9908), (545, 9935), (549, 9941), (563, 9962), (566, 9968), (735, 10307), (743, 10328), (757, 10355), (762, 10364), (802, 10451), (812, 10481), (824, 10511), (842, 10541), (867, 10565),

Gene: Pons_5 Start: 2570, Stop: 4018, Start Num: 159

Candidate Starts for Pons_5:

(Start: 159 @2570 has 63 MA's), (184, 2600), (223, 2678), (255, 2744), (257, 2750), (276, 2786), (302, 2822), (326, 2897), (365, 2966), (382, 2999), (386, 3005), (423, 3041), (488, 3152), (489, 3155), (496, 3161), (525, 3206), (537, 3236), (545, 3254), (549, 3260), (574, 3302), (602, 3371), (645, 3437), (674, 3509), (741, 3680), (762, 3713), (787, 3773), (789, 3779), (798, 3794), (811, 3827), (835, 3887), (836, 3890), (923, 4001),

Gene: Ponzi_44 Start: 24379, Stop: 25821, Start Num: 124

Candidate Starts for Ponzi_44:

(Start: 124 @24379 has 299 MA's), (Start: 193 @24475 has 1 MA's), (252, 24601), (255, 24607), (305, 24706), (365, 24823), (404, 24883), (428, 24907), (496, 24979), (530, 25036), (562, 25102), (638, 25222), (663, 25288), (669, 25303), (718, 25435), (734, 25465), (762, 25519), (803, 25600), (827, 25666), (860, 25711),

Gene: Poochiewood_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Poochiewood_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Poompha_11 Start: 6469, Stop: 7929, Start Num: 124

Candidate Starts for Poompha_11:

(Start: 124 @6469 has 299 MA's), (Start: 157 @6496 has 14 MA's), (198, 6562), (229, 6616), (233, 6628), (241, 6637), (266, 6697), (308, 6775), (320, 6808), (324, 6826), (342, 6865), (344, 6868), (382, 6946), (480, 7084), (489, 7102), (545, 7201), (549, 7207), (563, 7228), (566, 7234), (577, 7258), (599, 7309), (663, 7414), (710, 7540), (711, 7543), (735, 7594), (737, 7600), (743, 7615), (757, 7645), (762, 7654), (798, 7735), (812, 7771), (824, 7801), (861, 7852), (864, 7855),

Gene: PopTart_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for PopTart_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Popcicle_13 Start: 8735, Stop: 10204, Start Num: 124

Candidate Starts for Popcicle_13:

(Start: 124 @8735 has 299 MA's), (163, 8774), (233, 8900), (273, 8984), (308, 9047), (320, 9080), (324, 9098), (343, 9137), (355, 9164), (382, 9215), (476, 9341), (480, 9353), (488, 9368), (489, 9371), (534, 9443), (545, 9470), (549, 9476), (563, 9497), (566, 9503), (577, 9527), (599, 9569), (663, 9674), (710, 9800), (711, 9803), (735, 9854), (737, 9860), (743, 9875), (757, 9905), (812, 10031), (824, 10061), (845, 10091),

Gene: Posh_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for Posh_3:

(Start: 126 @2281 has 23 MA's), (Start: 140 @2299 has 4 MA's), (245, 2467), (257, 2500), (292, 2548), (314, 2605), (319, 2620), (442, 2815), (484, 2884), (489, 2893), (549, 2998), (600, 3100), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (709, 3337), (721, 3367), (737, 3400), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: PotPie_5 Start: 3435, Stop: 4868, Start Num: 159

Candidate Starts for PotPie_5:

(Start: 159 @3435 has 63 MA's), (184, 3459), (194, 3483), (255, 3603), (257, 3609), (276, 3645), (302, 3681), (306, 3699), (319, 3732), (326, 3756), (365, 3825), (382, 3858), (489, 4014), (525, 4065), (537, 4095), (549, 4119), (574, 4161), (602, 4230), (645, 4296), (674, 4368), (741, 4539), (762, 4572), (787, 4632), (798, 4653), (811, 4686), (835, 4746), (836, 4749), (923, 4860),

Gene: PotatoChip_13 Start: 8759, Stop: 10321, Start Num: 129

Candidate Starts for PotatoChip_13:

(Start: 117 @8744 has 8 MA's), (Start: 129 @8759 has 6 MA's), (178, 8822), (188, 8843), (201, 8885), (234, 8945), (238, 8954), (244, 8963), (258, 9002), (305, 9098), (355, 9218), (360, 9224), (389, 9287), (394, 9293), (477, 9407), (487, 9428), (515, 9482), (532, 9506), (570, 9581), (576, 9596), (581, 9611), (641, 9716), (646, 9725), (684, 9833), (739, 9965), (764, 10028), (782, 10073), (804, 10118), (806, 10124), (813, 10151), (818, 10160), (824, 10175), (899, 10259),

Gene: PotatoSplit_15 Start: 8654, Stop: 10108, Start Num: 124

Candidate Starts for PotatoSplit_15:

(Start: 124 @8654 has 299 MA's), (Start: 157 @8684 has 14 MA's), (182, 8711), (233, 8816), (298, 8930), (320, 8996), (343, 9053), (382, 9131), (384, 9134), (482, 9275), (545, 9386), (549, 9392), (563, 9413), (663, 9578), (710, 9704), (735, 9758), (737, 9764), (743, 9779), (762, 9815), (802, 9902), (812, 9932), (824, 9962), (857, 10007), (867, 10016),

Gene: Poushou_4 Start: 2870, Stop: 4285, Start Num: 143

Candidate Starts for Poushou_4:

(Start: 143 @2870 has 5 MA's), (197, 2960), (253, 3089), (263, 3113), (305, 3185), (319, 3221), (454, 3458), (479, 3512), (530, 3608), (554, 3662), (576, 3704), (623, 3746), (705, 3944), (799, 4142),

Gene: Power_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for Power_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (566, 9938), (587, 9983), (667, 10106), (735, 10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: PowerRanger_12 Start: 8991, Stop: 10433, Start Num: 158

Candidate Starts for PowerRanger_12:

(109, 8925), (Start: 158 @8991 has 220 MA's), (263, 9189), (365, 9402), (482, 9597), (489, 9609), (545, 9708), (584, 9780), (667, 9903), (682, 9942), (710, 10020), (712, 10026), (735, 10074), (739, 10086), (743, 10095), (785, 10185), (824, 10275), (845, 10308), (857, 10320),

Gene: Powerpuff_3 Start: 2320, Stop: 3696, Start Num: 148

Candidate Starts for Powerpuff_3:

(Start: 148 @2320 has 57 MA's), (Start: 222 @2440 has 4 MA's), (266, 2539), (290, 2578), (421, 2803), (484, 2896), (580, 3076), (678, 3244), (699, 3283), (705, 3313), (713, 3337), (799, 3511), (803, 3520), (864, 3631),

Gene: Priamo_16 Start: 9302, Stop: 10765, Start Num: 127

Candidate Starts for Priamo_16:

(Start: 127 @9302 has 330 MA's), (Start: 143 @9323 has 5 MA's), (182, 9362), (225, 9449), (230, 9461), (233, 9467), (365, 9749), (504, 9962), (534, 10013), (545, 10040), (547, 10043), (549, 10046), (563, 10067), (743, 10433), (757, 10460), (762, 10469), (787, 10529), (812, 10586), (824, 10616), (842, 10646), (870, 10673),

Gene: Primanti_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Primanti_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Prinasse11_11 Start: 7907, Stop: 9340, Start Num: 127

Candidate Starts for Prinasse11_11:

(Start: 127 @7907 has 330 MA's), (241, 8063), (247, 8075), (252, 8090), (255, 8096), (329, 8264), (343, 8291), (382, 8369), (449, 8450), (488, 8522), (489, 8525), (534, 8597), (549, 8630), (563, 8651), (573, 8669), (577, 8681), (605, 8726), (710, 8942), (735, 8996), (741, 9014), (762, 9053), (812, 9170), (824, 9200), (842, 9230), (867, 9254),

Gene: Pringar_36 Start: 12489, Stop: 14054, Start Num: 76

Candidate Starts for Pringar_36:

(Start: 76 @12489 has 19 MA's), (165, 12606), (231, 12726), (255, 12771), (258, 12780), (308, 12870), (323, 12918), (324, 12921), (353, 12963), (355, 12966), (368, 12990), (423, 13062), (425, 13065), (450, 13104), (460, 13125), (462, 13128), (488, 13173), (539, 13263), (542, 13272), (549, 13281), (574, 13323), (575, 13326), (592, 13365), (619, 13407), (625, 13413), (628, 13416), (647, 13461), (674, 13530), (710, 13629), (714, 13641), (763, 13740), (789, 13806), (802, 13827), (807, 13842), (856, 13935), (870, 13950),

Gene: Priscilla_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Priscilla_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Prithvi_9 Start: 2995, Stop: 4548, Start Num: 83

Candidate Starts for Prithvi_9:

(46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (266, 3283), (305, 3352), (314, 3373), (326, 3412), (369, 3496), (414, 3571), (428, 3592), (458, 3646), (522, 3766), (537, 3799), (546, 3820), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: Priya_14 Start: 9924, Stop: 11411, Start Num: 127

Candidate Starts for Priya_14:

(Start: 127 @9924 has 330 MA's), (182, 9987), (233, 10092), (266, 10161), (329, 10302), (365, 10374), (400, 10428), (482, 10551), (508, 10587), (514, 10596), (534, 10635), (545, 10662), (549, 10668), (563, 10689), (587, 10740), (624, 10779), (735, 11034), (741, 11052), (757, 11082), (758, 11085), (762, 11091), (810, 11202), (812, 11208), (824, 11238), (857, 11283), (867, 11292),

Gene: ProMouse_11 Start: 9127, Stop: 10569, Start Num: 158

Candidate Starts for ProMouse_11:

(109, 9061), (Start: 158 @9127 has 220 MA's), (263, 9325), (365, 9538), (370, 9550), (482, 9733), (489, 9745), (545, 9844), (667, 10039), (682, 10078), (710, 10156), (712, 10162), (735, 10210), (739, 10222), (743, 10231), (785, 10321), (824, 10411), (845, 10444), (857, 10456),

Gene: Procrass1_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for Procrass1_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (314, 2169), (316, 2175), (322, 2196), (324, 2205), (337, 2235), (339, 2238), (385, 2313), (387, 2316), (424, 2355), (426, 2358), (434, 2370), (443, 2382), (479, 2433), (488, 2451), (489, 2454), (498, 2463), (545, 2553), (552, 2565), (574, 2601), (577, 2610), (599, 2646), (602, 2652), (614, 2661), (618, 2670), (649, 2703), (667, 2748), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (767, 2985), (785, 3036), (800, 3063), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: Provolone_8 Start: 3905, Stop: 5338, Start Num: 155

Candidate Starts for Provolone_8:

(Start: 155 @3905 has 140 MA's), (Start: 222 @4022 has 4 MA's), (246, 4070), (249, 4082), (371, 4325), (432, 4412), (466, 4472), (477, 4490), (479, 4496), (534, 4595), (573, 4670), (579, 4688), (610, 4727), (629, 4763), (669, 4865), (735, 5027), (741, 5045), (773, 5102), (812, 5192), (827, 5234), (882, 5300), (908, 5324),

Gene: Prudy_15 Start: 11081, Stop: 12484, Start Num: 182

Candidate Starts for Prudy_15:

(Start: 127 @11021 has 330 MA's), (182, 11081), (233, 11186), (355, 11450), (365, 11468), (382, 11501), (484, 11648), (534, 11729), (545, 11756), (549, 11762), (563, 11783), (587, 11834), (605, 11858), (735, 12128), (741, 12146), (743, 12149), (749, 12164), (757, 12176), (762, 12185), (812, 12302), (824, 12332), (842, 12362), (867, 12386),

Gene: Psycho_7 Start: 2788, Stop: 4326, Start Num: 83

Candidate Starts for Psycho_7:

(Start: 83 @2788 has 142 MA's), (175, 2890), (182, 2899), (201, 2953), (248, 3037), (253, 3049), (266, 3079), (281, 3097), (305, 3148), (319, 3184), (326, 3208), (327, 3211), (359, 3265), (369, 3286), (414, 3361), (428, 3382), (444, 3412), (473, 3457), (495, 3511), (522, 3556), (537, 3589), (555, 3625), (558, 3631), (624, 3694), (635, 3712), (666, 3790), (670, 3802), (672, 3805), (677, 3820), (701, 3865), (702, 3880), (709, 3901), (711, 3907), (734, 3955), (735, 3958), (741, 3976), (749, 3991), (780, 4057), (787, 4072), (803, 4093), (813, 4129), (828, 4165), (899, 4252),

Gene: PsychoKiller_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for PsychoKiller_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Pucara_3 Start: 2388, Stop: 3749, Start Num: 145

Candidate Starts for Pucara_3:

(Start: 145 @2388 has 30 MA's), (218, 2505), (244, 2556), (249, 2574), (264, 2610), (298, 2658), (324, 2742), (353, 2784), (400, 2865), (419, 2895), (476, 2970), (511, 3036), (513, 3039), (537, 3087), (559, 3129), (569, 3144), (672, 3336), (695, 3390), (741, 3510), (787, 3594), (789, 3600), (851, 3714), (884, 3741),

Gene: Puginator_9 Start: 4426, Stop: 5895, Start Num: 155

Candidate Starts for Puginator_9:

(Start: 155 @4426 has 140 MA's), (Start: 222 @4543 has 4 MA's), (249, 4603), (266, 4642), (305, 4735), (314, 4756), (327, 4792), (444, 4948), (458, 4975), (479, 5014), (506, 5065), (534, 5113), (573, 5188), (579, 5206), (585, 5224), (589, 5233), (620, 5314), (645, 5371), (667, 5422), (669, 5428), (741, 5608), (773, 5665), (812, 5755), (813, 5764), (908, 5881),

Gene: Pukovnik_15 Start: 10888, Stop: 12342, Start Num: 127

Candidate Starts for Pukovnik_15:

(Start: 127 @10888 has 330 MA's), (182, 10948), (233, 11053), (298, 11167), (329, 11263), (355, 11317), (365, 11335), (382, 11368), (489, 11524), (534, 11596), (545, 11623), (549, 11629), (563, 11650), (735, 11995), (757, 12043), (762, 12052), (787, 12112), (802, 12139), (812, 12169), (824, 12199), (842, 12229), (867, 12253),

Gene: Pumbaa_12 Start: 8553, Stop: 10004, Start Num: 124

Candidate Starts for Pumbaa_12:

(Start: 124 @8553 has 299 MA's), (229, 8700), (233, 8712), (316, 8880), (324, 8910), (343, 8949), (352, 8967), (382, 9027), (476, 9156), (482, 9174), (545, 9285), (549, 9291), (563, 9312), (566, 9318), (599, 9387), (642, 9447), (663, 9492), (710, 9618), (711, 9621), (735, 9672), (737, 9678), (743, 9693), (757, 9723), (798, 9813), (812, 9849), (824, 9879), (845, 9909),

Gene: Pumpkins_3 Start: 2263, Stop: 3798, Start Num: 145

Candidate Starts for Pumpkins_3:

(Start: 145 @2263 has 30 MA's), (Start: 222 @2383 has 4 MA's), (266, 2482), (421, 2746), (439, 2761), (678, 3184), (699, 3223), (705, 3253), (713, 3277), (799, 3451), (813, 3496), (857, 3562), (913, 3640), (924, 3661),

Gene: Puppet_12 Start: 8747, Stop: 10189, Start Num: 158

Candidate Starts for Puppet_12:

(109, 8681), (Start: 158 @8747 has 220 MA's), (263, 8945), (365, 9158), (482, 9353), (489, 9365), (545, 9464), (667, 9659), (682, 9698), (710, 9776), (712, 9782), (735, 9830), (739, 9842), (743, 9851), (785, 9941), (824, 10031), (845, 10064), (857, 10076),

Gene: Puppy_13 Start: 7812, Stop: 9278, Start Num: 127

Candidate Starts for Puppy_13:

(Start: 127 @7812 has 330 MA's), (233, 7983), (273, 8067), (308, 8130), (320, 8163), (324, 8181), (343, 8220), (355, 8247), (381, 8295), (480, 8436), (484, 8445), (534, 8526), (542, 8550), (545, 8553), (549, 8559), (560, 8577), (563, 8580), (566, 8586), (663, 8757), (710, 8883), (711, 8886), (735, 8937), (737, 8943), (743, 8958), (757, 8988), (812, 9114), (824, 9144), (845, 9174),

Gene: PurpleHaze_14 Start: 8725, Stop: 10179, Start Num: 124

Candidate Starts for PurpleHaze_14:

(Start: 124 @8725 has 299 MA's), (Start: 157 @8755 has 14 MA's), (182, 8782), (233, 8887), (298, 9001), (320, 9067), (343, 9124), (382, 9202), (384, 9205), (482, 9346), (545, 9457), (549, 9463), (563, 9484), (663, 9649), (710, 9775), (735, 9829), (737, 9835), (743, 9850), (762, 9886), (802, 9973), (812, 10003), (824, 10033), (857, 10078), (867, 10087),

Gene: Pytheas_3 Start: 2281, Stop: 3729, Start Num: 126

Candidate Starts for Pytheas_3:

(51, 2128), (Start: 126 @2281 has 23 MA's), (245, 2467), (257, 2500), (271, 2533), (314, 2605), (442, 2815), (489, 2893), (514, 2926), (542, 2989), (549, 2998), (619, 3124), (628, 3133), (645, 3169), (667, 3223), (687, 3277), (704, 3322), (721, 3367), (739, 3406), (740, 3409), (741, 3412), (767, 3457), (886, 3676),

Gene: QTRLifeCrisis_12 Start: 9132, Stop: 10574, Start Num: 158

Candidate Starts for QTRLifeCrisis_12:

(109, 9066), (Start: 158 @9132 has 220 MA's), (263, 9330), (365, 9543), (482, 9738), (489, 9750), (545, 9849), (667, 10044), (682, 10083), (710, 10161), (712, 10167), (735, 10215), (739, 10227), (743, 10236), (785, 10326), (824, 10416), (845, 10449), (857, 10461),

Gene: Qhanda_10 Start: 3932, Stop: 5518, Start Num: 81

Candidate Starts for Qhanda_10:

(Start: 75 @3917 has 32 MA's), (Start: 81 @3932 has 28 MA's), (Start: 101 @3956 has 1 MA's), (Start: 154 @4022 has 46 MA's), (186, 4067), (Start: 222 @4139 has 4 MA's), (248, 4196), (252, 4205), (253, 4208), (266, 4238), (305, 4307), (314, 4328), (324, 4364), (327, 4370), (345, 4394), (362, 4430), (369, 4445), (388, 4484), (476, 4619), (479, 4628), (488, 4646), (500, 4673), (501, 4676), (522, 4709), (537, 4742), (546, 4763), (558, 4784), (624, 4847), (637, 4871), (645, 4895), (666, 4943), (670, 4955), (675, 4967), (677, 4973), (697, 5012), (739, 5126), (741, 5132), (803, 5303), (812, 5330), (813, 5339), (845, 5402), (857, 5414),

Gene: Qobbit_14 Start: 9923, Stop: 11410, Start Num: 127

Candidate Starts for Qobbit_14:

(Start: 127 @9923 has 330 MA's), (182, 9986), (233, 10091), (266, 10160), (329, 10301), (349, 10340), (365, 10373), (382, 10406), (482, 10550), (534, 10634), (545, 10661), (549, 10667), (563, 10688), (577, 10718), (624, 10778), (735, 11033), (741, 11051), (757, 11081), (758, 11084), (762, 11090), (810, 11201), (812, 11207), (824, 11237), (857, 11282), (867, 11291),

Gene: Quasar_5 Start: 3410, Stop: 4867, Start Num: 159

Candidate Starts for Quasar_5:

(Start: 159 @3410 has 63 MA's), (184, 3434), (238, 3545), (242, 3548), (246, 3557), (297, 3638), (322, 3722), (326, 3734), (365, 3803), (466, 3950), (489, 3992), (531, 4055), (537, 4073), (539, 4079), (545, 4091), (549, 4097), (602, 4208), (663, 4325), (674, 4352), (687, 4388), (739, 4517), (741, 4523), (762, 4556), (785, 4613), (787, 4616), (800, 4640), (811, 4670), (835, 4730), (836, 4733), (923, 4844),

Gene: Quby_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for Quby_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (332, 2718), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: QueenB2_13 Start: 9238, Stop: 10701, Start Num: 127

Candidate Starts for QueenB2_13:

(Start: 127 @9238 has 330 MA's), (182, 9298), (233, 9403), (324, 9601), (365, 9685), (382, 9718), (466, 9829), (484, 9865), (534, 9946), (545, 9973), (549, 9979), (563, 10000), (566, 10006), (587, 10051), (667, 10174), (735, 10345), (741, 10363), (743, 10366), (757, 10393), (762, 10402), (812, 10519), (824, 10549), (842, 10579), (867, 10603),

Gene: QueenBeesly_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for QueenBeesly_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (566, 9938), (587, 9983), (667, 10106), (735, 10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: QueenBey_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for QueenBey_3:

(Start: 154 @1886 has 46 MA's), (Start: 157 @1892 has 14 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (376, 2303), (383, 2315), (385, 2318), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (489, 2459), (498, 2468), (552, 2570), (574, 2606), (577, 2615), (598, 2648), (599, 2651), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: QuickMath_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for QuickMath_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Quico_4 Start: 2197, Stop: 3618, Start Num: 151

Candidate Starts for Quico_4:

(Start: 151 @2197 has 63 MA's), (172, 2224), (182, 2236), (246, 2365), (253, 2386), (266, 2416), (305, 2485), (314, 2506), (324, 2542), (327, 2548), (345, 2572), (347, 2575), (381, 2650), (384, 2656), (415, 2701), (441, 2743), (495, 2845), (500, 2854), (501, 2857), (506, 2866), (527, 2896), (531, 2905), (546, 2944), (557, 2962), (558, 2965), (575, 2995), (637, 3052), (652, 3091), (670, 3136), (677, 3154), (687, 3181), (697, 3193), (699, 3196), (701, 3202), (713, 3250), (768, 3358), (803, 3430), (808, 3445), (811, 3454), (812, 3457), (835, 3517), (845, 3529), (870, 3553), (889, 3577),

Gene: QuincyRose_8 Start: 3031, Stop: 4599, Start Num: 75

Candidate Starts for QuincyRose_8:

(46, 2944), (Start: 75 @3031 has 32 MA's), (Start: 83 @3046 has 142 MA's), (175, 3145), (182, 3154), (215, 3226), (Start: 222 @3235 has 4 MA's), (232, 3259), (248, 3292), (252, 3301), (266, 3334), (305, 3403), (314, 3424), (327, 3466), (362, 3532), (369, 3547), (414, 3622), (428, 3643), (458, 3697), (522, 3817), (537, 3850), (546, 3871), (558, 3892), (575, 3922), (624, 3955), (635, 3973), (659, 4033), (666, 4051), (670, 4063), (672, 4066), (676, 4078), (677, 4081), (699, 4117), (711, 4165), (735, 4216), (741, 4234), (787, 4330), (803, 4351), (812, 4378), (813, 4387), (828, 4423),

Gene: QuinnKiro_12 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for QuinnKiro_12:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Quokka_11 Start: 8157, Stop: 9614, Start Num: 127

Candidate Starts for Quokka_11:

(Start: 127 @8157 has 330 MA's), (Start: 143 @8178 has 5 MA's), (182, 8217), (233, 8322), (365, 8604), (382, 8637), (438, 8709), (489, 8793), (534, 8865), (545, 8892), (549, 8898), (563, 8919), (682, 9132), (721, 9237), (735, 9264), (743, 9285), (757, 9312), (762, 9321), (812, 9438), (824, 9468), (842, 9498), (867, 9522),

Gene: R4_7 Start: 3896, Stop: 5368, Start Num: 155

Candidate Starts for R4_7:

(Start: 155 @3896 has 140 MA's), (Start: 222 @4013 has 4 MA's), (246, 4061), (249, 4073), (253, 4082), (266, 4112), (305, 4205), (408, 4370), (412, 4376), (534, 4583), (573, 4658), (579, 4676), (583, 4688), (585, 4694), (588, 4700), (645, 4841), (667, 4892), (669, 4898), (712, 5012), (741, 5078), (773, 5135), (799, 5189), (827, 5267), (908, 5354),

Gene: RADical_6 Start: 2790, Stop: 4247, Start Num: 159

Candidate Starts for RADical_6:

(Start: 159 @2790 has 63 MA's), (184, 2814), (238, 2925), (242, 2928), (246, 2937), (297, 3018), (322, 3102), (326, 3114), (365, 3183), (466, 3330), (489, 3372), (531, 3435), (537, 3453), (545, 3471), (549, 3477), (602, 3588), (663, 3705), (674, 3732), (687, 3768), (739, 3897), (741, 3903), (762, 3936), (785, 3993), (787, 3996), (800, 4020), (811, 4050), (835, 4110), (836, 4113), (923, 4224),

Gene: RER2_2 Start: 1707, Stop: 3152, Start Num: 124

Candidate Starts for RER2_2:

(Start: 124 @1707 has 299 MA's), (247, 1884), (255, 1905), (266, 1932), (273, 1947), (308, 2010), (349, 2109), (355, 2124), (449, 2253), (482, 2316), (488, 2325), (538, 2412), (541, 2421), (545, 2427), (574, 2475), (604, 2529), (624, 2544), (630, 2553), (663, 2619), (667, 2628), (670, 2637), (721, 2772), (741, 2817), (743, 2820), (787, 2913), (812, 2970), (824, 3000), (836, 3027), (848, 3039), (854, 3045),

Gene: RGL3_2 Start: 1707, Stop: 3143, Start Num: 124

Candidate Starts for RGL3_2:

(72, 1626), (Start: 124 @1707 has 299 MA's), (229, 1851), (247, 1884), (255, 1905), (273, 1947), (308, 2010), (349, 2109), (449, 2253), (482, 2316), (516, 2364), (538, 2412), (545, 2427), (574, 2475), (604, 2529), (624, 2544), (630, 2553), (663, 2619), (667, 2628), (721, 2772), (741, 2817), (743, 2820), (787, 2913), (812, 2970), (824, 3000), (836, 3027), (845, 3036), (854, 3045), (880, 3075), (902, 3105),

Gene: RSchmailzl_6 Start: 2954, Stop: 4387, Start Num: 184

Candidate Starts for RSchmailzl_6:

(Start: 159 @2930 has 63 MA's), (184, 2954), (238, 3065), (242, 3068), (246, 3077), (297, 3158), (322, 3242), (326, 3254), (365, 3323), (489, 3512), (531, 3575), (537, 3593), (539, 3599), (545, 3611), (549, 3617), (602, 3728), (663, 3845), (674, 3872), (687, 3908), (739, 4037), (741, 4043), (762, 4076), (785, 4133), (800, 4160), (811, 4190), (835, 4250), (836, 4253), (923, 4364),

Gene: Rabbitrun_15 Start: 6778, Stop: 8271, Start Num: 102

Candidate Starts for Rabbitrun_15:

(Start: 102 @6778 has 24 MA's), (Start: 140 @6832 has 4 MA's), (182, 6892), (Start: 222 @6973 has 4 MA's), (237, 7003), (244, 7012), (249, 7030), (253, 7039), (263, 7063), (266, 7069), (286, 7105), (305, 7141), (336, 7225), (367, 7258), (374, 7273), (390, 7300), (402, 7315), (469, 7393), (481, 7420), (488, 7432), (495, 7450), (497, 7453), (501, 7462), (512, 7480), (536, 7525), (579, 7612), (603, 7645), (620, 7654), (634, 7675), (678, 7780), (687, 7804), (713, 7873), (720, 7888), (734, 7915), (737, 7924), (741, 7936), (767, 7978), (773, 7993), (789, 8038), (801, 8050), (808, 8071), (811, 8080), (915, 8233),

Gene: Rabbs_3 Start: 1889, Stop: 3403, Start Num: 105

Candidate Starts for Rabbs_3:

(14, 1322), (24, 1490), (26, 1505), (39, 1634), (Start: 105 @1889 has 79 MA's), (161, 1952), (164, 1955), (173, 1964), (246, 2096), (315, 2243), (316, 2246), (362, 2336), (382, 2375), (439, 2450), (442, 2456), (454, 2468), (482, 2519), (494, 2531), (532, 2594), (549, 2633), (574, 2675), (591, 2720), (602, 2744), (614, 2753), (649, 2810), (666, 2852), (673, 2870), (674, 2873), (735, 3029), (776, 3119), (789, 3155), (811, 3206), (821, 3230),

Gene: Rachaly_16 Start: 10917, Stop: 12374, Start Num: 127

Candidate Starts for Rachaly_16:

(Start: 127 @10917 has 330 MA's), (182, 10977), (Start: 193 @11001 has 1 MA's), (229, 11070), (233, 11082), (329, 11292), (343, 11319), (365, 11364), (432, 11457), (489, 11553), (534, 11625), (545, 11652), (549, 11658), (563, 11679), (587, 11730), (735, 12024), (741, 12042), (749, 12060), (757, 12072), (762, 12081), (798, 12162), (802, 12168), (812, 12198), (816, 12210), (824, 12228), (842, 12258),

Gene: RadFad_4 Start: 2262, Stop: 3605, Start Num: 140

Candidate Starts for RadFad_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (660, 3150), (667, 3165), (679, 3195), (713, 3291), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Radiance_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Radiance_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Raela_36 Start: 12732, Stop: 14297, Start Num: 76

Candidate Starts for Raela_36:

(Start: 76 @12732 has 19 MA's), (165, 12849), (231, 12969), (255, 13014), (258, 13023), (308, 13113), (323, 13161), (324, 13164), (353, 13206), (355, 13209), (368, 13233), (423, 13305), (425, 13308), (450, 13347), (460, 13368), (462, 13371), (488, 13416), (539, 13506), (542, 13515), (549, 13524), (574, 13566), (575, 13569), (592, 13608), (619, 13650), (625, 13656), (628, 13659), (647, 13704), (674, 13773), (710, 13872), (714, 13884), (763, 13983), (789, 14049), (802, 14070), (807, 14085), (856, 14178), (870, 14193),

Gene: Rahalelujah_12 Start: 7969, Stop: 9453, Start Num: 127

Candidate Starts for Rahalelujah_12:

(Start: 127 @7969 has 330 MA's), (182, 8029), (225, 8116), (233, 8134), (329, 8344), (365, 8416), (402, 8473), (466, 8560), (482, 8593), (508, 8629), (514, 8638), (534, 8677), (545, 8704), (549, 8710), (563, 8731), (566, 8737), (587, 8782), (624, 8821), (735, 9079), (741, 9097), (757, 9127), (762, 9136), (810, 9247), (812, 9253), (824, 9283), (857, 9328), (867, 9337),

Gene: Raid_12 Start: 8423, Stop: 9865, Start Num: 158

Candidate Starts for Raid_12:

(109, 8357), (Start: 158 @8423 has 220 MA's), (263, 8621), (365, 8834), (370, 8846), (482, 9029), (489, 9041), (531, 9104), (545, 9140), (667, 9335), (682, 9374), (710, 9452), (712, 9458), (734, 9503), (735, 9506), (739, 9518), (743, 9527), (762, 9560), (785, 9617), (824, 9707), (845, 9740), (857, 9752),

Gene: Rajelicia_12 Start: 8639, Stop: 10081, Start Num: 158

Candidate Starts for Rajelicia_12:

(109, 8573), (Start: 158 @8639 has 220 MA's), (263, 8837), (365, 9050), (482, 9245), (484, 9248), (489, 9257), (545, 9356), (584, 9428), (667, 9551), (682, 9590), (710, 9668), (712, 9674), (735, 9722), (739, 9734), (743, 9743), (762, 9776), (785, 9833), (824, 9923), (845, 9956), (857, 9968),

Gene: Ramen_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Ramen_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Ramsey_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Ramsey_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Rana_7 Start: 4053, Stop: 5489, Start Num: 155

Candidate Starts for Rana_7:

(Start: 144 @4047 has 15 MA's), (Start: 155 @4053 has 140 MA's), (174, 4077), (188, 4101), (Start: 222 @4170 has 4 MA's), (246, 4218), (249, 4230), (266, 4269), (328, 4422), (361, 4452), (412, 4536), (444, 4578), (479, 4644), (530, 4734), (534, 4746), (573, 4821), (579, 4839), (629, 4917), (645, 4962), (669, 5019), (760, 5232), (773, 5256), (827, 5388), (908, 5475),

Gene: RanchParmCat_8 Start: 3559, Stop: 5004, Start Num: 159

Candidate Starts for RanchParmCat_8:

(Start: 159 @3559 has 63 MA's), (182, 3574), (231, 3676), (246, 3697), (247, 3700), (276, 3763), (299, 3790), (313, 3832), (322, 3862), (324, 3871), (353, 3919), (392, 3991), (430, 4027), (484, 4123), (531, 4195), (537, 4213), (539, 4219), (549, 4237), (552, 4243), (633, 4387), (674, 4486), (757, 4684), (762, 4693), (791, 4762), (811, 4807), (835, 4867), (845, 4879), (923, 4993),

Gene: Rando14_7 Start: 2855, Stop: 4411, Start Num: 83

Candidate Starts for Rando14_7:

(Start: 83 @2855 has 142 MA's), (Start: 154 @2930 has 46 MA's), (172, 2954), (182, 2966), (186, 2975), (201, 3020), (Start: 222 @3047 has 4 MA's), (253, 3116), (305, 3215), (314, 3236), (319, 3251), (327, 3278), (369, 3353), (370, 3356), (414, 3428), (428, 3449), (436, 3464), (473, 3524), (500, 3587), (501, 3590), (522, 3623), (537, 3656), (546, 3677), (555, 3692), (557, 3695), (558, 3698), (624, 3761), (635, 3779), (645, 3809), (666, 3857), (670, 3869), (672, 3872), (677, 3887), (701, 3932), (709, 3968), (711, 3974), (734, 4022), (735, 4025), (737, 4031), (741, 4043), (780, 4124), (787, 4139), (803, 4160), (809, 4178), (813, 4196), (828, 4232), (899, 4319), (905, 4331), (913, 4343),

Gene: Raphaella_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for Raphaella_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Rapunzel97_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Rapunzel97_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458,

3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Raqqa_4 Start: 2455, Stop: 3861, Start Num: 105

Candidate Starts for Raqqa_4:

(Start: 105 @2455 has 79 MA's), (Start: 151 @2503 has 63 MA's), (164, 2518), (170, 2524), (173, 2527), (182, 2536), (200, 2584), (226, 2626), (236, 2641), (247, 2662), (252, 2677), (324, 2836), (327, 2842), (348, 2872), (369, 2911), (402, 2962), (441, 3010), (489, 3088), (508, 3112), (509, 3115), (531, 3151), (532, 3154), (537, 3169), (549, 3193), (602, 3298), (658, 3373), (666, 3391), (673, 3409), (690, 3454), (713, 3520), (724, 3544), (739, 3580), (740, 3583), (789, 3694), (807, 3730), (820, 3763), (824, 3775),

Gene: Rasputin_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Rasputin_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Rattrick_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Rattrick_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Ravana_15 Start: 8348, Stop: 9808, Start Num: 127

Candidate Starts for Ravana_15:

(Start: 127 @8348 has 330 MA's), (182, 8408), (233, 8513), (264, 8579), (349, 8762), (365, 8795), (382, 8828), (534, 9059), (545, 9086), (549, 9092), (563, 9113), (574, 9134), (587, 9164), (605, 9188), (675, 9308), (710, 9404), (721, 9431), (735, 9458), (741, 9476), (743, 9479), (757, 9512), (762, 9521), (812, 9638), (824, 9668), (867, 9722),

Gene: Raya_3 Start: 1783, Stop: 3213, Start Num: 105

Candidate Starts for Raya_3:

(Start: 105 @1783 has 79 MA's), (184, 1867), (225, 1951), (236, 1969), (252, 2005), (260, 2026), (272, 2053), (322, 2155), (323, 2161), (324, 2164), (327, 2170), (382, 2263), (402, 2290), (432, 2320), (439, 2335), (441, 2338), (487, 2407), (532, 2479), (534, 2485), (537, 2494), (545, 2512), (549, 2518), (571, 2554), (574, 2560), (577, 2569), (588, 2593), (602, 2623), (645, 2665), (649, 2674), (658, 2698), (666, 2716), (670, 2728), (684, 2764), (710, 2836), (739, 2905), (740, 2908), (762, 2953), (787, 3013), (807, 3055), (812, 3070), (860, 3145),

Gene: ReMo_15 Start: 8380, Stop: 9840, Start Num: 127

Candidate Starts for ReMo_15:

(Start: 127 @8380 has 330 MA's), (182, 8440), (233, 8545), (264, 8611), (349, 8794), (365, 8827), (382, 8860), (534, 9091), (545, 9118), (549, 9124), (563, 9145), (574, 9166), (587, 9196), (605, 9220), (663, 9310), (675, 9340), (710, 9436), (721, 9463), (735, 9490), (741, 9508), (743, 9511), (757, 9544), (762, 9553), (812, 9670), (824, 9700), (867, 9754),

Gene: Reba_15 Start: 8397, Stop: 9851, Start Num: 124

Candidate Starts for Reba_15:

(Start: 124 @8397 has 299 MA's), (Start: 157 @8427 has 14 MA's), (182, 8454), (233, 8559), (298, 8673), (320, 8739), (343, 8796), (382, 8874), (384, 8877), (482, 9018), (545, 9129), (549, 9135), (563, 9156), (663, 9321), (710, 9447), (735, 9501), (737, 9507), (743, 9522), (762, 9558), (802, 9645), (812, 9675), (824, 9705), (857, 9750), (867, 9759),

Gene: Rebeuca_13 Start: 8554, Stop: 9999, Start Num: 124

Candidate Starts for Rebeuca_13:

(Start: 124 @8554 has 299 MA's), (233, 8713), (308, 8860), (313, 8872), (320, 8893), (324, 8911), (327, 8917), (342, 8950), (382, 9031), (390, 9043), (480, 9169), (489, 9187), (534, 9259), (545, 9286), (549, 9292), (560, 9310), (563, 9313), (663, 9493), (710, 9619), (711, 9622), (735, 9673), (737, 9679), (743, 9694), (757, 9724), (762, 9733), (798, 9814), (812, 9850), (824, 9880), (861, 9931), (864, 9934),

Gene: Red305_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Red305_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: RedBaron_7 Start: 2834, Stop: 4291, Start Num: 159

Candidate Starts for RedBaron_7:

(Start: 159 @2834 has 63 MA's), (184, 2858), (238, 2969), (242, 2972), (246, 2981), (297, 3062), (322, 3146), (326, 3158), (365, 3227), (466, 3374), (489, 3416), (531, 3479), (537, 3497), (539, 3503), (545, 3515), (549, 3521), (602, 3632), (663, 3749), (674, 3776), (687, 3812), (739, 3941), (741, 3947), (762, 3980), (785, 4037), (787, 4040), (800, 4064), (811, 4094), (835, 4154), (836, 4157), (923, 4268),

Gene: RedBear_9 Start: 4327, Stop: 5763, Start Num: 155

Candidate Starts for RedBear_9:

(Start: 142 @4318 has 1 MA's), (Start: 144 @4321 has 15 MA's), (Start: 155 @4327 has 140 MA's), (174, 4351), (188, 4375), (Start: 222 @4444 has 4 MA's), (246, 4492), (255, 4516), (266, 4543), (328, 4696), (412, 4810), (444, 4852), (450, 4864), (458, 4879), (479, 4918), (530, 5008), (534, 5020), (579, 5113), (629, 5191), (645, 5236), (669, 5293), (773, 5530), (908, 5749),

Gene: RedBird_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for RedBird_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: RedRaider_32 Start: 16783, Stop: 18366, Start Num: 120

Candidate Starts for RedRaider_32:

(Start: 120 @16783 has 6 MA's), (Start: 127 @16792 has 330 MA's), (182, 16870), (305, 17137), (353, 17251), (440, 17395), (529, 17521), (570, 17605), (581, 17635), (633, 17716), (646, 17749), (684, 17857), (722, 17956), (735, 17980), (738, 17989), (759, 18049), (788, 18115), (799, 18133), (803, 18142), (814, 18181), (818, 18187),

Gene: RedRaider77_36 Start: 12633, Stop: 14198, Start Num: 76

Candidate Starts for RedRaider77_36:

(Start: 76 @12633 has 19 MA's), (165, 12750), (Start: 171 @12756 has 1 MA's), (231, 12870), (255, 12915), (258, 12924), (308, 13014), (323, 13062), (324, 13065), (353, 13107), (355, 13110), (368,

13134), (423, 13206), (425, 13209), (450, 13248), (460, 13269), (462, 13272), (488, 13317), (539, 13407), (542, 13416), (549, 13425), (574, 13467), (575, 13470), (592, 13509), (619, 13551), (625, 13557), (628, 13560), (647, 13605), (674, 13674), (710, 13773), (714, 13785), (763, 13884), (789, 13950), (802, 13971), (807, 13986), (856, 14079), (870, 14094),

Gene: RedRock_16 Start: 11153, Stop: 12613, Start Num: 127

Candidate Starts for RedRock_16:

(Start: 127 @11153 has 330 MA's), (Start: 155 @11183 has 140 MA's), (182, 11213), (229, 11306), (233, 11318), (365, 11600), (482, 11777), (534, 11861), (545, 11888), (549, 11894), (563, 11915), (605, 11990), (735, 12260), (743, 12281), (749, 12296), (757, 12308), (762, 12317), (812, 12434), (824, 12464), (842, 12494), (867, 12518),

Gene: Reedo_3 Start: 2275, Stop: 3648, Start Num: 144

Candidate Starts for Reedo_3:

(Start: 144 @2275 has 15 MA's), (Start: 222 @2395 has 4 MA's), (266, 2494), (363, 2665), (444, 2782), (580, 3031), (699, 3235), (705, 3265), (713, 3289), (799, 3463), (864, 3583),

Gene: Refuge_16 Start: 11531, Stop: 13000, Start Num: 127

Candidate Starts for Refuge_16:

(Start: 127 @11531 has 330 MA's), (182, 11591), (225, 11678), (233, 11696), (298, 11810), (329, 11906), (365, 11978), (382, 12011), (481, 12152), (534, 12239), (545, 12266), (549, 12272), (563, 12293), (566, 12299), (587, 12344), (735, 12638), (741, 12656), (749, 12674), (757, 12686), (762, 12695), (787, 12755), (812, 12812), (824, 12842), (828, 12851), (842, 12872), (867, 12896), (930, 12974),

Gene: Reindeer_13 Start: 6131, Stop: 7753, Start Num: 93

Candidate Starts for Reindeer_13:

(Start: 93 @6131 has 23 MA's), (Start: 108 @6146 has 1 MA's), (186, 6254), (215, 6320), (235, 6353), (243, 6365), (249, 6383), (252, 6389), (263, 6416), (266, 6422), (305, 6494), (308, 6500), (319, 6530), (320, 6533), (359, 6611), (361, 6617), (363, 6620), (371, 6638), (482, 6794), (495, 6812), (501, 6824), (531, 6872), (534, 6881), (557, 6929), (558, 6932), (600, 7001), (640, 7055), (659, 7091), (678, 7142), (680, 7145), (697, 7175), (699, 7178), (701, 7184), (702, 7199), (721, 7250), (722, 7253), (734, 7274), (735, 7277), (760, 7328), (803, 7415), (821, 7466), (862, 7526), (865, 7529), (890, 7556), (911, 7592), (914, 7598), (922, 7613), (931, 7625), (952, 7709),

Gene: Relief_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Relief_12:

(Start: 124 @8579 has 299 MA's), (229, 8726), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (737, 9704), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (824, 9905), (845, 9935),

Gene: Remus_15 Start: 8341, Stop: 9801, Start Num: 127

Candidate Starts for Remus_15:

(Start: 127 @8341 has 330 MA's), (182, 8401), (233, 8506), (264, 8572), (349, 8755), (365, 8788), (382, 8821), (534, 9052), (545, 9079), (549, 9085), (563, 9106), (574, 9127), (587, 9157), (605, 9181), (663, 9271), (675, 9301), (710, 9397), (721, 9424), (735, 9451), (741, 9469), (743, 9472), (757, 9505), (762, 9514), (812, 9631), (824, 9661), (867, 9715),

Gene: Remy19_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Remy19_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439,

2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Renaissance_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Renaissance_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Renaud18_3 Start: 2233, Stop: 3708, Start Num: 110

Candidate Starts for Renaud18_3:

(Start: 110 @2233 has 11 MA's), (119, 2245), (135, 2266), (Start: 154 @2287 has 46 MA's), (240, 2434), (246, 2446), (253, 2467), (255, 2470), (298, 2530), (305, 2557), (316, 2584), (348, 2656), (352, 2659), (353, 2662), (355, 2668), (368, 2692), (378, 2710), (407, 2752), (423, 2764), (425, 2767), (447, 2800), (459, 2824), (466, 2830), (484, 2863), (488, 2869), (514, 2905), (531, 2935), (532, 2938), (534, 2944), (549, 2977), (575, 3022), (583, 3040), (587, 3049), (628, 3112), (637, 3133), (647, 3160), (667, 3211), (675, 3232), (687, 3265), (695, 3274), (709, 3325), (710, 3328), (725, 3364), (737, 3388), (739, 3394), (740, 3397), (752, 3427), (767, 3445), (798, 3520), (807, 3541), (824, 3586), (862, 3634),

Gene: Reptar3000_10 Start: 3838, Stop: 5439, Start Num: 75

Candidate Starts for Reptar3000_10:

(Start: 75 @3838 has 32 MA's), (Start: 81 @3853 has 28 MA's), (Start: 101 @3877 has 1 MA's), (Start: 154 @3943 has 46 MA's), (186, 3988), (Start: 222 @4060 has 4 MA's), (246, 4108), (248, 4117), (249, 4120), (253, 4129), (266, 4159), (305, 4228), (314, 4249), (319, 4264), (324, 4285), (327, 4291), (345, 4315), (362, 4351), (369, 4366), (388, 4405), (476, 4540), (479, 4549), (488, 4567), (500, 4594), (501, 4597), (522, 4630), (537, 4663), (546, 4684), (558, 4705), (624, 4768), (637, 4792), (645, 4816), (666, 4864), (670, 4876), (675, 4888), (677, 4894), (697, 4933), (739, 5047), (741, 5053), (803, 5224), (812, 5251), (813, 5260), (845, 5323), (857, 5335),

Gene: ResDef_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for ResDef_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Retro23_13 Start: 9321, Stop: 10784, Start Num: 127

Candidate Starts for Retro23_13:

(Start: 127 @9321 has 330 MA's), (182, 9381), (233, 9486), (324, 9684), (365, 9768), (382, 9801), (466, 9912), (534, 10029), (545, 10056), (549, 10062), (563, 10083), (566, 10089), (587, 10134), (667, 10257), (735, 10428), (741, 10446), (743, 10449), (757, 10476), (762, 10485), (812, 10602), (824, 10632), (842, 10662),

Gene: RexFury_9 Start: 4866, Stop: 6311, Start Num: 124

Candidate Starts for RexFury_9:

(Start: 124 @4866 has 299 MA's), (247, 5043), (255, 5064), (266, 5091), (273, 5106), (308, 5169), (349, 5268), (355, 5283), (449, 5412), (482, 5475), (488, 5484), (538, 5571), (541, 5580), (545, 5586), (574, 5634), (604, 5688), (624, 5703), (630, 5712), (663, 5778), (667, 5787), (670, 5796), (721, 5931), (741, 5976), (743, 5979), (787, 6072), (812, 6129), (824, 6159), (836, 6186), (848, 6198), (854, 6204),

Gene: Rey_19 Start: 7070, Stop: 8671, Start Num: 93

Candidate Starts for Rey_19:

(Start: 93 @7070 has 23 MA's), (215, 7259), (235, 7292), (243, 7304), (263, 7355), (266, 7361), (305, 7433), (308, 7439), (319, 7469), (324, 7490), (359, 7526), (363, 7535), (371, 7553), (557, 7844), (558, 7847), (659, 8006), (678, 8057), (680, 8060), (697, 8090), (701, 8099), (721, 8165), (722, 8168), (735, 8192), (767, 8252), (803, 8330), (862, 8441), (914, 8513),

Gene: Rhodalya_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Rhodalya_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: RhynO_13 Start: 8532, Stop: 9977, Start Num: 124

Candidate Starts for RhynO_13:

(Start: 124 @8532 has 299 MA's), (141, 8544), (233, 8691), (308, 8838), (320, 8871), (324, 8889), (327, 8895), (342, 8928), (382, 9009), (390, 9021), (480, 9147), (489, 9165), (534, 9237), (542, 9261), (545, 9264), (549, 9270), (563, 9291), (663, 9471), (710, 9597), (711, 9600), (735, 9651), (737, 9657), (743, 9672), (757, 9702), (762, 9711), (798, 9792), (812, 9828), (824, 9858), (861, 9909), (864, 9912),

Gene: Rhynn_12 Start: 8733, Stop: 10175, Start Num: 158

Candidate Starts for Rhynn_12:

(109, 8667), (Start: 158 @8733 has 220 MA's), (263, 8931), (365, 9144), (482, 9339), (489, 9351), (545, 9450), (584, 9522), (667, 9645), (682, 9684), (710, 9762), (712, 9768), (735, 9816), (739, 9828), (743, 9837), (785, 9927), (824, 10017), (845, 10050), (857, 10062),

Gene: Rialto_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Rialto_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (735, 3298), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Richarlison_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Richarlison_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Richie_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for Richie_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (418, 2761), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (627, 3097), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Richo_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for Richo_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: RidgeCB_12 Start: 8260, Stop: 9702, Start Num: 158

Candidate Starts for RidgeCB_12:

(109, 8194), (Start: 158 @8260 has 220 MA's), (263, 8458), (365, 8671), (482, 8866), (489, 8878), (545, 8977), (584, 9049), (667, 9172), (682, 9211), (710, 9289), (712, 9295), (735, 9343), (739, 9355), (743, 9364), (785, 9454), (824, 9544), (845, 9577), (857, 9589),

Gene: Rifter_16 Start: 9257, Stop: 10723, Start Num: 127

Candidate Starts for Rifter_16:

(Start: 127 @9257 has 330 MA's), (Start: 143 @9278 has 5 MA's), (182, 9317), (225, 9404), (230, 9416), (233, 9422), (365, 9704), (400, 9758), (504, 9917), (534, 9968), (545, 9995), (549, 10001), (563, 10022), (682, 10235), (743, 10388), (749, 10403), (757, 10415), (762, 10424), (789, 10490), (802, 10511), (812, 10541), (824, 10571), (842, 10601),

Gene: Rileysaurus_3 Start: 1885, Stop: 3210, Start Num: 154

Candidate Starts for Rileysaurus_3:

(Start: 154 @1885 has 46 MA's), (Start: 157 @1891 has 14 MA's), (164, 1900), (181, 1918), (191, 1939), (216, 1990), (224, 1999), (233, 2023), (242, 2032), (246, 2041), (247, 2044), (255, 2065), (258, 2074), (301, 2134), (314, 2173), (322, 2200), (324, 2209), (337, 2239), (383, 2314), (385, 2317), (387, 2320), (426, 2362), (434, 2374), (477, 2431), (488, 2455), (489, 2458), (498, 2467), (545, 2557), (552, 2569), (574, 2605), (577, 2614), (602, 2656), (614, 2665), (649, 2707), (667, 2752), (674, 2770), (702, 2845), (710, 2869), (737, 2929), (743, 2944), (767, 2989), (785, 3040), (800, 3067), (808, 3088), (809, 3091), (811, 3097), (818, 3115), (824, 3130), (825, 3133), (839, 3163),

Gene: Ringer_12 Start: 8931, Stop: 10373, Start Num: 158

Candidate Starts for Ringer_12:

(109, 8865), (Start: 158 @8931 has 220 MA's), (263, 9129), (365, 9342), (482, 9537), (545, 9648), (667, 9843), (682, 9882), (710, 9960), (712, 9966), (734, 10011), (735, 10014), (739, 10026), (743, 10035), (785, 10125), (824, 10215), (845, 10248), (857, 10260),

Gene: Rita_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for Rita_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (688, 3246), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: RitaG_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for RitaG_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290,

2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Roary_10 Start: 7422, Stop: 8852, Start Num: 127

Candidate Starts for Roary_10:

(Start: 127 @7422 has 330 MA's), (232, 7572), (365, 7854), (449, 7965), (482, 8028), (514, 8073), (545, 8139), (563, 8166), (663, 8331), (702, 8433), (735, 8511), (737, 8517), (762, 8568), (812, 8685), (824, 8715), (867, 8769),

Gene: Roberts_5 Start: 2786, Stop: 4270, Start Num: 123

Candidate Starts for Roberts_5:

(Start: 123 @2786 has 47 MA's), (204, 2915), (224, 2936), (272, 3044), (326, 3161), (328, 3167), (362, 3224), (488, 3410), (532, 3479), (535, 3488), (549, 3518), (574, 3560), (602, 3629), (614, 3638), (658, 3704), (666, 3722), (667, 3725), (702, 3818), (735, 3896), (811, 4064), (882, 4166), (929, 4250),

Gene: RockScotty_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for RockScotty_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (672, 3231), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690),

Gene: RockieBear_11 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for RockieBear_11:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Rockne_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Rockne_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Rockstar_12 Start: 8064, Stop: 9530, Start Num: 127

Candidate Starts for Rockstar_12:

(Start: 127 @8064 has 330 MA's), (163, 8109), (233, 8235), (273, 8319), (308, 8382), (320, 8415), (324, 8433), (343, 8472), (355, 8499), (480, 8688), (534, 8778), (542, 8802), (545, 8805), (549, 8811), (563, 8832), (566, 8838), (663, 9009), (710, 9135), (711, 9138), (735, 9189), (737, 9195), (743, 9210), (757, 9240), (812, 9366), (824, 9396), (845, 9426),

Gene: RockyHorror_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for RockyHorror_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805,

3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Rohr_13 Start: 8939, Stop: 10381, Start Num: 158

Candidate Starts for Rohr_13:

(109, 8873), (Start: 158 @8939 has 220 MA's), (263, 9137), (365, 9350), (482, 9545), (484, 9548), (545, 9656), (584, 9728), (667, 9851), (682, 9890), (710, 9968), (712, 9974), (735, 10022), (739, 10034), (743, 10043), (785, 10133), (824, 10223), (845, 10256), (857, 10268),

Gene: Roimos_12 Start: 8162, Stop: 9628, Start Num: 127

Candidate Starts for Roimos_12:

(Start: 127 @8162 has 330 MA's), (233, 8333), (273, 8417), (308, 8480), (320, 8513), (324, 8531), (343, 8570), (355, 8597), (381, 8645), (480, 8786), (484, 8795), (534, 8876), (542, 8900), (545, 8903), (549, 8909), (563, 8930), (566, 8936), (663, 9107), (710, 9233), (711, 9236), (735, 9287), (737, 9293), (743, 9308), (757, 9338), (812, 9464), (824, 9494), (845, 9524),

Gene: Roksolana_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Roksolana_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Romney_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Romney_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (545, 9309), (549, 9315), (563, 9336), (566, 9342), (599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (737, 9702), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (816, 9885), (824, 9903), (845, 9933),

Gene: RonRayGun_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for RonRayGun_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: Ronaldo_38 Start: 12190, Stop: 13596, Start Num: 157

Candidate Starts for Ronaldo_38:

(Start: 157 @12190 has 14 MA's), (189, 12229), (206, 12277), (243, 12337), (305, 12463), (327, 12526), (329, 12532), (356, 12577), (436, 12712), (480, 12781), (527, 12862), (535, 12883), (546, 12910), (624, 12994), (670, 13102), (716, 13225), (732, 13255), (734, 13258), (787, 13366), (789, 13372), (808, 13402), (811, 13411), (812, 13414), (813, 13423), (859, 13495), (867, 13504), (879, 13519),

Gene: Rooney_9 Start: 4531, Stop: 6078, Start Num: 102

Candidate Starts for Rooney_9:

(55, 4450), (65, 4471), (74, 4489), (80, 4501), (Start: 102 @4531 has 24 MA's), (139, 4582), (189, 4648), (190, 4651), (195, 4660), (206, 4693), (249, 4768), (255, 4780), (296, 4873), (333, 4948), (335, 4951), (352, 4963), (362, 4984), (365, 4990), (375, 5011), (479, 5158), (486, 5167), (545, 5281), (551, 5290), (649, 5479), (659, 5503), (667, 5524), (672, 5536), (675, 5545), (683, 5569), (734, 5698), (737, 5707), (746, 5734), (799, 5845), (854, 5950), (894, 6001),

Gene: Roosevelt_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Roosevelt_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Rosa24_11 Start: 8553, Stop: 10004, Start Num: 124

Candidate Starts for Rosa24_11:

(Start: 124 @8553 has 299 MA's), (233, 8712), (316, 8880), (324, 8910), (343, 8949), (352, 8967), (382, 9027), (476, 9156), (482, 9174), (489, 9186), (545, 9285), (549, 9291), (563, 9312), (566, 9318), (599, 9387), (642, 9447), (710, 9618), (711, 9621), (735, 9672), (737, 9678), (743, 9693), (757, 9723), (798, 9813), (812, 9849), (824, 9879), (845, 9909),

Gene: Rosalind_15 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for Rosalind_15:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: Rose5_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Rose5_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: RoseMarie_15 Start: 6507, Stop: 8126, Start Num: 93

Candidate Starts for RoseMarie_15:

(Start: 93 @6507 has 23 MA's), (Start: 108 @6522 has 1 MA's), (114, 6531), (186, 6627), (215, 6693), (235, 6726), (243, 6738), (263, 6789), (266, 6795), (305, 6867), (308, 6873), (319, 6903), (320, 6906), (359, 6984), (363, 6993), (371, 7011), (482, 7167), (501, 7197), (531, 7245), (534, 7254), (557, 7302), (558, 7305), (600, 7374), (659, 7464), (678, 7515), (680, 7518), (697, 7548), (701, 7557), (721, 7623), (722, 7626), (734, 7647), (735, 7650), (760, 7701), (803, 7788), (862, 7899), (865, 7902), (890, 7929), (914, 7971), (922, 7986), (952, 8082),

Gene: Rosmarinus_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for Rosmarinus_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Rossetti_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Rossetti_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (252, 2845), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (492, 3253), (495, 3259), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782,

3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Rowa_3 Start: 2274, Stop: 3710, Start Num: 156

Candidate Starts for Rowa_3:

(Start: 136 @2250 has 3 MA's), (Start: 152 @2268 has 1 MA's), (Start: 156 @2274 has 163 MA's), (209, 2373), (252, 2454), (264, 2484), (372, 2688), (382, 2706), (428, 2760), (446, 2790), (485, 2859), (494, 2871), (507, 2895), (513, 2904), (528, 2928), (567, 3006), (578, 3030), (583, 3045), (587, 3054), (620, 3114), (666, 3216), (695, 3285), (710, 3333), (735, 3387), (759, 3441), (766, 3450), (803, 3525), (812, 3552), (827, 3594),

Gene: Rowdy_15 Start: 8443, Stop: 9888, Start Num: 124

Candidate Starts for Rowdy_15:

(Start: 124 @8443 has 299 MA's), (141, 8455), (233, 8602), (308, 8749), (320, 8782), (324, 8800), (327, 8806), (342, 8839), (382, 8920), (390, 8932), (480, 9058), (489, 9076), (534, 9148), (542, 9172), (545, 9175), (549, 9181), (563, 9202), (663, 9382), (710, 9508), (711, 9511), (735, 9562), (737, 9568), (743, 9583), (757, 9613), (762, 9622), (798, 9703), (812, 9739), (824, 9769), (861, 9820), (864, 9823),

Gene: Royals2015_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Royals2015_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Rubeus_13 Start: 8765, Stop: 10207, Start Num: 158

Candidate Starts for Rubeus_13:

(109, 8699), (Start: 158 @8765 has 220 MA's), (263, 8963), (365, 9176), (482, 9371), (489, 9383), (545, 9482), (667, 9677), (682, 9716), (710, 9794), (712, 9800), (735, 9848), (739, 9860), (743, 9869), (785, 9959), (824, 10049), (845, 10082), (857, 10094),

Gene: Ruby_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for Ruby_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Rufus_13 Start: 8822, Stop: 10264, Start Num: 158

Candidate Starts for Rufus_13:

(109, 8756), (Start: 158 @8822 has 220 MA's), (263, 9020), (365, 9233), (482, 9428), (489, 9440), (545, 9539), (667, 9734), (682, 9773), (710, 9851), (712, 9857), (734, 9902), (735, 9905), (739, 9917), (743, 9926), (762, 9959), (785, 10016), (824, 10106), (845, 10139), (857, 10151),

Gene: Ruin_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Ruin_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (545, 9309), (549, 9315), (563, 9336), (566, 9342),

(599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (737, 9702), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (816, 9885), (824, 9903), (845, 9933),

Gene: Rummer_14 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for Rummer_14:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: Rumpelstiltskin_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Rumpelstiltskin_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (196, 2734), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (626, 3478), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: RunningOnE_65 Start: 29580, Stop: 31031, Start Num: 124

Candidate Starts for RunningOnE_65:

(Start: 124 @29580 has 299 MA's), (263, 29826), (285, 29865), (319, 29940), (365, 30021), (380, 30048), (432, 30111), (663, 30486), (678, 30525), (688, 30555), (713, 30621), (718, 30633), (768, 30726), (810, 30819), (823, 30852), (827, 30864), (858, 30906), (905, 30966),

Gene: Ruotula_11 Start: 8881, Stop: 10323, Start Num: 158

Candidate Starts for Ruotula_11:

(109, 8815), (Start: 158 @8881 has 220 MA's), (263, 9079), (365, 9292), (482, 9487), (489, 9499), (545, 9598), (667, 9793), (682, 9832), (710, 9910), (712, 9916), (735, 9964), (739, 9976), (743, 9985), (785, 10075), (824, 10165), (845, 10198), (857, 10210),

Gene: Ruriko_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Ruriko_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Rusticus_8 Start: 4241, Stop: 5683, Start Num: 155

Candidate Starts for Rusticus_8:

(Start: 142 @4232 has 1 MA's), (Start: 144 @4235 has 15 MA's), (Start: 155 @4241 has 140 MA's), (Start: 222 @4358 has 4 MA's), (246, 4406), (255, 4430), (412, 4724), (444, 4766), (458, 4793), (530, 4919), (534, 4931), (579, 5024), (629, 5102), (645, 5147), (669, 5204), (678, 5228), (773, 5441), (908, 5669),

Gene: Rutherferd_14 Start: 9283, Stop: 10725, Start Num: 158

Candidate Starts for Rutherferd_14:

(109, 9217), (Start: 158 @9283 has 220 MA's), (263, 9481), (365, 9694), (482, 9889), (488, 9898), (545, 10000), (584, 10072), (667, 10195), (710, 10312), (712, 10318), (735, 10366), (739, 10378), (743, 10387), (785, 10477), (824, 10567), (845, 10600), (857, 10612),

Gene: Ruthiejr_9 Start: 3658, Stop: 5238, Start Num: 81

Candidate Starts for Ruthiejr_9:

(Start: 75 @3643 has 32 MA's), (Start: 81 @3658 has 28 MA's), (Start: 101 @3682 has 1 MA's), (Start: 154 @3745 has 46 MA's), (215, 3853), (Start: 222 @3862 has 4 MA's), (248, 3919), (252, 3928), (253, 3931), (266, 3961), (305, 4030), (314, 4051), (324, 4087), (327, 4093), (345, 4117), (369, 4168), (388, 4207), (428, 4264), (476, 4342), (477, 4345), (479, 4351), (488, 4369), (500, 4396), (501, 4399), (522, 4432), (537, 4465), (546, 4486), (558, 4507), (624, 4570), (637, 4594), (645, 4618), (666, 4666), (670, 4678), (677, 4696), (697, 4735), (702, 4759), (737, 4843), (739, 4849), (741, 4855), (755, 4924), (767, 4948), (803, 5023), (812, 5050), (813, 5059), (828, 5095), (845, 5122), (857, 5134),

Gene: RyeScarlet_15 Start: 9929, Stop: 11416, Start Num: 127

Candidate Starts for RyeScarlet_15:

(Start: 127 @9929 has 330 MA's), (182, 9992), (233, 10097), (266, 10166), (329, 10307), (349, 10346), (365, 10379), (382, 10412), (482, 10556), (534, 10640), (545, 10667), (549, 10673), (563, 10694), (577, 10724), (587, 10745), (605, 10769), (624, 10784), (735, 11039), (741, 11057), (757, 11087), (758, 11090), (762, 11096), (810, 11207), (812, 11213), (824, 11243), (857, 11288), (867, 11297),

Gene: SG4_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for SG4_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: SKKY_3 Start: 1893, Stop: 3218, Start Num: 154

Candidate Starts for SKKY_3:

(Start: 154 @1893 has 46 MA's), (164, 1908), (181, 1926), (191, 1947), (216, 1998), (224, 2007), (225, 2013), (233, 2031), (242, 2040), (246, 2049), (247, 2052), (255, 2073), (258, 2082), (301, 2142), (314, 2181), (316, 2187), (322, 2208), (324, 2217), (337, 2247), (339, 2250), (376, 2310), (385, 2325), (387, 2328), (424, 2367), (426, 2370), (434, 2382), (443, 2394), (479, 2445), (488, 2463), (489, 2466), (498, 2475), (539, 2553), (545, 2565), (552, 2577), (577, 2622), (602, 2664), (614, 2673), (618, 2682), (649, 2715), (654, 2730), (667, 2760), (670, 2769), (674, 2778), (702, 2853), (710, 2877), (730, 2922), (737, 2937), (743, 2952), (767, 2997), (785, 3048), (808, 3096), (809, 3099), (811, 3105), (812, 3108), (813, 3114), (818, 3123), (824, 3138), (825, 3141), (839, 3171),

Gene: SPB78_3 Start: 2124, Stop: 3551, Start Num: 155

Candidate Starts for SPB78_3:

(Start: 155 @2124 has 140 MA's), (184, 2163), (Start: 222 @2250 has 4 MA's), (254, 2316), (272, 2358), (319, 2454), (325, 2475), (423, 2646), (475, 2727), (500, 2781), (510, 2799), (517, 2808), (534, 2841), (544, 2868), (550, 2877), (555, 2886), (629, 3012), (675, 3108), (678, 3117), (702, 3177), (707, 3195), (734, 3252), (735, 3255), (749, 3282), (767, 3309), (789, 3369), (807, 3396), (812, 3411), (820, 3432), (863, 3501),

Gene: STLscum_13 Start: 8852, Stop: 10294, Start Num: 158

Candidate Starts for STLscum_13:

(109, 8786), (Start: 158 @8852 has 220 MA's), (263, 9050), (365, 9263), (482, 9458), (545, 9569), (667, 9764), (682, 9803), (710, 9881), (712, 9887), (735, 9935), (739, 9947), (743, 9956), (762, 9989), (785, 10046), (824, 10136), (845, 10169), (857, 10181),

Gene: Saal_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Saal_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (600, 3029), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Sabbb_3 Start: 2255, Stop: 3613, Start Num: 156

Candidate Starts for Sabbb_3:

(Start: 156 @2255 has 163 MA's), (Start: 179 @2288 has 2 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (250, 2435), (252, 2438), (253, 2441), (290, 2510), (293, 2516), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (375, 2687), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575),

Gene: Sabertooth_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Sabertooth_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Sabia_14 Start: 8647, Stop: 10101, Start Num: 124

Candidate Starts for Sabia_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Sabinator_14 Start: 8682, Stop: 10106, Start Num: 157

Candidate Starts for Sabinator_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Sabourin_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Sabourin_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Sachima_12 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for Sachima_12:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (266, 10130), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (566, 10664), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Saftant_7 Start: 4208, Stop: 5632, Start Num: 155

Candidate Starts for Saftant_7:

(Start: 155 @4208 has 140 MA's), (Start: 222 @4325 has 4 MA's), (246, 4373), (249, 4385), (305, 4520), (458, 4760), (477, 4793), (479, 4799), (534, 4898), (573, 4973), (579, 4991), (610, 5030), (629, 5066), (645, 5111), (669, 5168), (709, 5273), (773, 5405), (827, 5537), (850, 5567), (896, 5612), (903, 5618),

Gene: Sagefire_13 Start: 9534, Stop: 10976, Start Num: 158

Candidate Starts for Sagefire_13:

(109, 9468), (Start: 158 @9534 has 220 MA's), (263, 9732), (365, 9945), (482, 10140), (489, 10152), (545, 10251), (584, 10323), (667, 10446), (682, 10485), (710, 10563), (712, 10569), (735, 10617), (739, 10629), (743, 10638), (785, 10728), (824, 10818), (845, 10851), (857, 10863),

Gene: Saintus_10 Start: 7435, Stop: 8865, Start Num: 127

Candidate Starts for Saintus_10:

(Start: 127 @7435 has 330 MA's), (232, 7585), (308, 7732), (365, 7867), (395, 7918), (449, 7978), (450, 7981), (482, 8041), (508, 8077), (545, 8152), (563, 8179), (577, 8209), (663, 8344), (702, 8446), (735, 8524), (737, 8530), (762, 8581), (812, 8698), (824, 8728), (867, 8782),

Gene: Sakai_4 Start: 2275, Stop: 3606, Start Num: 155

Candidate Starts for Sakai_4:

(Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (161, 2284), (224, 2386), (229, 2398), (301, 2539), (316, 2584), (321, 2599), (327, 2620), (355, 2656), (365, 2674), (418, 2755), (450, 2800), (498, 2878), (541, 2959), (549, 2971), (551, 2974), (565, 2998), (585, 3040), (660, 3151), (667, 3166), (679, 3196), (713, 3292), (824, 3532), (825, 3535), (828, 3541), (877, 3592),

Gene: Salvus_7 Start: 3761, Stop: 5284, Start Num: 123

Candidate Starts for Salvus_7:

(70, 3677), (Start: 123 @3761 has 47 MA's), (139, 3776), (182, 3818), (229, 3911), (233, 3923), (257, 3971), (263, 3986), (296, 4049), (298, 4061), (303, 4076), (320, 4127), (324, 4145), (382, 4256), (549, 4520), (585, 4589), (601, 4628), (695, 4790), (705, 4829), (734, 4895), (740, 4913), (787, 5006), (791, 5015), (795, 5021),

Gene: Salz_13 Start: 9781, Stop: 11238, Start Num: 127

Candidate Starts for Salz_13:

(Start: 127 @9781 has 330 MA's), (169, 9826), (182, 9841), (233, 9946), (365, 10228), (382, 10261), (489, 10417), (534, 10489), (545, 10516), (549, 10522), (563, 10543), (587, 10594), (720, 10858), (735, 10888), (743, 10909), (749, 10924), (757, 10936), (762, 10945), (802, 11032), (812, 11062), (824, 11092), (842, 11122), (908, 11188),

Gene: SamScheppers_8 Start: 3532, Stop: 5115, Start Num: 81

Candidate Starts for SamScheppers_8:

(Start: 75 @3517 has 32 MA's), (Start: 81 @3532 has 28 MA's), (Start: 101 @3556 has 1 MA's), (Start: 154 @3622 has 46 MA's), (186, 3667), (Start: 222 @3739 has 4 MA's), (248, 3796), (252, 3805), (253, 3808), (266, 3838), (305, 3907), (314, 3928), (324, 3964), (327, 3970), (345, 3994), (362, 4030), (369, 4045), (388, 4084), (476, 4219), (479, 4228), (488, 4246), (500, 4273), (501, 4276), (522, 4309), (537, 4342), (546, 4363), (558, 4384), (624, 4447), (637, 4471), (645, 4495), (666, 4543), (670, 4555), (675, 4567), (677, 4573), (697, 4612), (739, 4726), (741, 4732), (803, 4900), (812, 4927), (813, 4936), (845, 4999), (857, 5011),

Gene: Samty_6 Start: 2752, Stop: 4395, Start Num: 131

Candidate Starts for Samty_6:

(Start: 131 @2752 has 70 MA's), (178, 2812), (253, 2962), (266, 2992), (305, 3064), (328, 3130), (367, 3178), (441, 3271), (469, 3310), (492, 3367), (495, 3373), (510, 3400), (517, 3409), (527, 3424), (638, 3613), (652, 3646), (668, 3685), (684, 3727), (767, 3910), (782, 3952), (799, 3979), (803, 3988), (824, 4048), (840, 4078), (849, 4087), (908, 4162), (925, 4195),

Gene: SamuelLPlaqson_9 Start: 2999, Stop: 4546, Start Num: 83

Candidate Starts for SamuelLPlaqson_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (114, 3026), (175, 3095), (182, 3104), (186, 3113), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (266, 3284), (305, 3353), (314, 3374), (324, 3410), (362, 3479), (368, 3491), (414, 3569), (428, 3590), (444, 3620), (458, 3644), (522, 3764), (537, 3797), (546, 3818), (558, 3839), (575, 3869), (624, 3902), (635, 3920), (666, 3998), (670, 4010), (672, 4013), (676, 4025), (677, 4028), (699, 4064), (711, 4112), (735, 4163), (741, 4181), (787, 4277), (803, 4298), (812, 4325), (813, 4334), (873, 4424),

Gene: Samy_6 Start: 3515, Stop: 5041, Start Num: 118

Candidate Starts for Samy_6:

(Start: 118 @3515 has 1 MA's), (Start: 132 @3536 has 11 MA's), (240, 3716), (263, 3773), (365, 3989), (368, 3995), (464, 4130), (505, 4223), (567, 4337), (572, 4346), (647, 4475), (667, 4526), (672, 4538), (735, 4694), (787, 4808), (809, 4847), (812, 4856), (827, 4886), (842, 4913), (871, 4943), (910, 4997),

Gene: Sandaddy_11 Start: 8657, Stop: 10099, Start Num: 158

Candidate Starts for Sandaddy_11:

(109, 8591), (Start: 158 @8657 has 220 MA's), (263, 8855), (365, 9068), (482, 9263), (489, 9275), (545, 9374), (667, 9569), (682, 9608), (710, 9686), (712, 9692), (735, 9740), (739, 9752), (743, 9761), (785, 9851), (824, 9941), (845, 9974), (857, 9986),

Gene: Sandalphon_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Sandalphon_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (833, 3593),

Gene: Sanya_11 Start: 9319, Stop: 10761, Start Num: 158

Candidate Starts for Sanya_11:

(109, 9253), (Start: 158 @9319 has 220 MA's), (263, 9517), (365, 9730), (482, 9925), (489, 9937), (545, 10036), (667, 10231), (682, 10270), (710, 10348), (712, 10354), (735, 10402), (739, 10414), (743, 10423), (785, 10513), (824, 10603), (845, 10636), (857, 10648),

Gene: SarFire_12 Start: 8518, Stop: 9960, Start Num: 158

Candidate Starts for SarFire_12:

(109, 8452), (Start: 158 @8518 has 220 MA's), (263, 8716), (365, 8929), (482, 9124), (489, 9136), (545, 9235), (667, 9430), (682, 9469), (710, 9547), (712, 9553), (735, 9601), (739, 9613), (743, 9622), (762, 9655), (785, 9712), (824, 9802), (845, 9835), (857, 9847),

Gene: SarahRose_7 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for SarahRose_7:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919),

(645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: Sarma624_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Sarma624_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Sarshaun_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Sarshaun_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Sashimi_4 Start: 2274, Stop: 3605, Start Num: 155

Candidate Starts for Sashimi_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (161, 2283), (224, 2385), (229, 2397), (301, 2538), (316, 2583), (321, 2598), (327, 2619), (353, 2649), (355, 2655), (365, 2673), (418, 2754), (450, 2799), (498, 2877), (541, 2958), (549, 2970), (551, 2973), (565, 2997), (585, 3039), (667, 3165), (713, 3291), (802, 3471), (824, 3531), (825, 3534), (828, 3540), (877, 3591),

Gene: Saskia_12 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Saskia_12:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (298, 10063), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Sassafras_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Sassafras_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: SassyB_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for SassyB_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: SassyC_11 Start: 4439, Stop: 5992, Start Num: 102

Candidate Starts for SassyC_11:

(Start: 102 @4439 has 24 MA's), (189, 4556), (190, 4559), (206, 4601), (217, 4613), (226, 4631), (296, 4781), (335, 4859), (362, 4892), (365, 4898), (375, 4919), (545, 5189), (551, 5198), (599, 5306), (632, 5342), (649, 5387), (659, 5411), (675, 5453), (734, 5606), (737, 5615), (741, 5627), (772, 5690), (812, 5789), (815, 5795), (836, 5840), (854, 5858), (864, 5870), (894, 5909),

Gene: Satrap_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Satrap_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (224, 2385), (229, 2397), (353, 2655), (365, 2679), (435, 2781), (477, 2847), (480, 2856), (498, 2883), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (687, 3225), (710, 3288), (734, 3339), (758, 3390), (778, 3432), (787, 3456), (824, 3537), (828, 3546), (877, 3597),

Gene: SaturnRing_12 Start: 8193, Stop: 9659, Start Num: 127

Candidate Starts for SaturnRing_12:

(Start: 127 @8193 has 330 MA's), (233, 8364), (273, 8448), (308, 8511), (320, 8544), (324, 8562), (343, 8601), (355, 8628), (381, 8676), (480, 8817), (484, 8826), (534, 8907), (542, 8931), (545, 8934), (549, 8940), (560, 8958), (563, 8961), (566, 8967), (663, 9138), (710, 9264), (711, 9267), (735, 9318), (737, 9324), (743, 9339), (757, 9369), (812, 9495), (824, 9525), (845, 9555),

Gene: Scamp_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Scamp_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Scarlett_8 Start: 2917, Stop: 4461, Start Num: 83

Candidate Starts for Scarlett_8:

(46, 2812), (Start: 75 @2902 has 32 MA's), (Start: 83 @2917 has 142 MA's), (116, 2953), (Start: 134 @2971 has 1 MA's), (172, 3016), (182, 3028), (186, 3037), (Start: 222 @3109 has 4 MA's), (232, 3133), (243, 3151), (248, 3166), (252, 3175), (253, 3178), (314, 3298), (319, 3313), (326, 3337), (327, 3340), (369, 3418), (388, 3457), (414, 3493), (428, 3514), (450, 3553), (467, 3583), (476, 3598), (495, 3643), (500, 3652), (501, 3655), (522, 3688), (537, 3721), (546, 3742), (558, 3763), (575, 3793), (624, 3826), (635, 3844), (666, 3922), (670, 3934), (672, 3937), (676, 3949), (677, 3952), (734, 4084), (735, 4087), (741, 4105), (767, 4147), (780, 4186), (785, 4198), (803, 4222), (811, 4246), (812, 4249), (813, 4258), (820, 4270), (828, 4294), (899, 4381),

Gene: Schaffner_3 Start: 2261, Stop: 3796, Start Num: 145

Candidate Starts for Schaffner_3:

(Start: 145 @2261 has 30 MA's), (Start: 222 @2381 has 4 MA's), (266, 2480), (421, 2744), (439, 2759), (580, 3017), (678, 3182), (699, 3221), (705, 3251), (713, 3275), (799, 3449), (813, 3494), (857, 3560), (895, 3608), (913, 3638), (924, 3659), (935, 3683),

Gene: Scherzo_14 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Scherzo_14:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (508, 10589), (514, 10598), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (566, 10697), (587, 10742), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: Schiebel_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Schiebel_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Scorpia_11 Start: 7736, Stop: 9169, Start Num: 127

Candidate Starts for Scorpia_11:

(Start: 127 @7736 has 330 MA's), (225, 7865), (247, 7904), (252, 7919), (329, 8093), (343, 8120), (365, 8165), (382, 8198), (400, 8219), (449, 8279), (488, 8351), (489, 8354), (534, 8426), (549, 8459), (563, 8480), (573, 8498), (577, 8510), (710, 8771), (735, 8825), (741, 8843), (762, 8882), (812, 8999), (824, 9029), (842, 9059), (857, 9074), (867, 9083),

Gene: Scottish_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Scottish_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Scout_12 Start: 7488, Stop: 8954, Start Num: 127

Candidate Starts for Scout_12:

(Start: 127 @7488 has 330 MA's), (163, 7533), (233, 7659), (266, 7728), (273, 7743), (308, 7806), (316, 7827), (320, 7839), (324, 7857), (343, 7896), (355, 7923), (480, 8112), (534, 8202), (542, 8226), (545, 8229), (549, 8235), (563, 8256), (663, 8433), (710, 8559), (711, 8562), (735, 8613), (737, 8619), (743, 8634), (757, 8664), (812, 8790), (824, 8820), (845, 8850),

Gene: Scowl_13 Start: 9210, Stop: 10652, Start Num: 158

Candidate Starts for Scowl_13:

(109, 9144), (Start: 158 @9210 has 220 MA's), (233, 9345), (263, 9408), (365, 9621), (482, 9816), (489, 9828), (545, 9927), (584, 9999), (667, 10122), (682, 10161), (687, 10176), (710, 10239), (712, 10245), (734, 10290), (735, 10293), (739, 10305), (743, 10314), (785, 10404), (824, 10494), (845, 10527), (857, 10539),

Gene: Scuba_34 Start: 14742, Stop: 16319, Start Num: 121

Candidate Starts for Scuba_34:

(Start: 121 @14742 has 32 MA's), (Start: 124 @14748 has 299 MA's), (Start: 127 @14751 has 330 MA's), (Start: 148 @14778 has 57 MA's), (182, 14829), (305, 15096), (406, 15306), (440, 15354), (570, 15558), (576, 15573), (581, 15588), (633, 15669), (644, 15699), (667, 15765), (672, 15777), (684, 15810), (722, 15909), (735, 15933), (738, 15942), (750, 15978), (756, 15993), (759, 16002), (799, 16086), (814, 16134), (818, 16140),

Gene: SeaLumen_3 Start: 2272, Stop: 3597, Start Num: 179

Candidate Starts for SeaLumen_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (375, 2671), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646,

3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (826, 3559),

Gene: Seabastian_3 Start: 2249, Stop: 3607, Start Num: 156

Candidate Starts for Seabastian_3:

(Start: 156 @2249 has 163 MA's), (Start: 179 @2282 has 2 MA's), (Start: 193 @2309 has 1 MA's), (196, 2318), (198, 2324), (199, 2327), (Start: 222 @2366 has 4 MA's), (252, 2432), (253, 2435), (290, 2504), (293, 2510), (305, 2543), (309, 2552), (324, 2600), (365, 2660), (391, 2708), (423, 2753), (465, 2798), (490, 2825), (514, 2870), (532, 2891), (533, 2894), (534, 2897), (541, 2918), (546, 2927), (575, 2978), (576, 2981), (579, 2990), (592, 3020), (603, 3041), (641, 3110), (646, 3119), (662, 3170), (664, 3173), (684, 3227), (686, 3233), (688, 3239), (718, 3317), (735, 3350), (739, 3362), (751, 3395), (754, 3401), (769, 3425), (826, 3569),

Gene: Seabiscuit_14 Start: 8739, Stop: 10181, Start Num: 158

Candidate Starts for Seabiscuit_14:

(109, 8673), (Start: 158 @8739 has 220 MA's), (263, 8937), (365, 9150), (482, 9345), (489, 9357), (545, 9456), (584, 9528), (667, 9651), (682, 9690), (710, 9768), (712, 9774), (735, 9822), (739, 9834), (743, 9843), (762, 9876), (785, 9933), (824, 10023), (845, 10056), (857, 10068),

Gene: Seagreen_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Seagreen_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Seahorse_4 Start: 2274, Stop: 3608, Start Num: 155

Candidate Starts for Seahorse_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (Start: 179 @2295 has 2 MA's), (199, 2343), (217, 2373), (224, 2382), (229, 2394), (301, 2535), (305, 2553), (321, 2595), (353, 2652), (355, 2658), (365, 2676), (418, 2757), (435, 2778), (498, 2880), (541, 2961), (549, 2973), (551, 2976), (565, 3000), (585, 3042), (657, 3147), (667, 3168), (713, 3294), (734, 3336), (738, 3348), (758, 3387), (768, 3402), (824, 3534), (825, 3537), (828, 3543), (877, 3594),

Gene: Seanderson_13 Start: 9183, Stop: 10625, Start Num: 158

Candidate Starts for Seanderson_13:

(109, 9117), (Start: 158 @9183 has 220 MA's), (263, 9381), (365, 9594), (482, 9789), (545, 9900), (667, 10095), (682, 10134), (710, 10212), (712, 10218), (735, 10266), (739, 10278), (743, 10287), (785, 10377), (824, 10467), (845, 10500), (857, 10512),

Gene: SemperFi_15 Start: 9598, Stop: 11061, Start Num: 127

Candidate Starts for SemperFi_15:

(Start: 127 @9598 has 330 MA's), (182, 9658), (233, 9763), (324, 9961), (365, 10045), (382, 10078), (466, 10189), (534, 10306), (545, 10333), (549, 10339), (563, 10360), (566, 10366), (587, 10411), (667, 10534), (735, 10705), (741, 10723), (743, 10726), (757, 10753), (762, 10762), (812, 10879), (824, 10909), (842, 10939), (867, 10963),

Gene: SenorClean_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for SenorClean_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337),

(566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Sephiroth_14 Start: 6593, Stop: 8089, Start Num: 102

Candidate Starts for Sephiroth_14:

(Start: 102 @6593 has 24 MA's), (133, 6635), (135, 6638), (Start: 160 @6668 has 1 MA's), (174, 6686), (182, 6704), (263, 6875), (301, 6935), (305, 6953), (363, 7061), (367, 7070), (374, 7085), (380, 7094), (408, 7136), (495, 7262), (517, 7298), (555, 7376), (620, 7466), (634, 7487), (686, 7613), (687, 7616), (702, 7652), (713, 7685), (735, 7730), (737, 7736), (758, 7778), (760, 7781), (767, 7790), (773, 7805), (785, 7841), (789, 7850), (794, 7856), (801, 7862), (808, 7883), (811, 7892), (829, 7943), (840, 7958), (846, 7964), (860, 7979),

Gene: Serenity_12 Start: 8157, Stop: 9614, Start Num: 127

Candidate Starts for Serenity_12:

(Start: 127 @8157 has 330 MA's), (Start: 143 @8178 has 5 MA's), (182, 8217), (233, 8322), (365, 8604), (382, 8637), (438, 8709), (489, 8793), (534, 8865), (545, 8892), (549, 8898), (563, 8919), (682, 9132), (721, 9237), (735, 9264), (743, 9285), (757, 9312), (762, 9321), (812, 9438), (824, 9468), (842, 9498), (867, 9522),

Gene: Severus_11 Start: 6469, Stop: 7929, Start Num: 124

Candidate Starts for Severus_11:

(Start: 124 @6469 has 299 MA's), (Start: 157 @6496 has 14 MA's), (198, 6562), (229, 6616), (233, 6628), (241, 6637), (266, 6697), (308, 6775), (320, 6808), (324, 6826), (342, 6865), (344, 6868), (382, 6946), (480, 7084), (489, 7102), (545, 7201), (549, 7207), (563, 7228), (566, 7234), (577, 7258), (599, 7309), (663, 7414), (710, 7540), (711, 7543), (735, 7594), (737, 7600), (743, 7615), (757, 7645), (762, 7654), (798, 7735), (812, 7771), (824, 7801), (861, 7852), (864, 7855),

Gene: SgtBeansprout_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for SgtBeansprout_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: ShaboiShabazz_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for ShaboiShabazz_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Shadow1_7 Start: 2862, Stop: 4412, Start Num: 83

Candidate Starts for Shadow1_7:

(44, 2730), (46, 2757), (Start: 75 @2847 has 32 MA's), (Start: 83 @2862 has 142 MA's), (116, 2892), (182, 2970), (Start: 222 @3051 has 4 MA's), (232, 3075), (252, 3117), (305, 3219), (314, 3240), (319, 3255), (327, 3282), (369, 3360), (388, 3399), (428, 3456), (467, 3525), (479, 3549), (495, 3585), (501, 3597), (522, 3630), (537, 3663), (546, 3684), (558, 3705), (575, 3735), (624, 3768), (635, 3786), (670, 3876), (672, 3879), (677, 3894), (699, 3930), (701, 3936), (711, 3978), (735, 4029), (741, 4047), (785, 4140), (787, 4143), (803, 4164), (811, 4188), (812, 4191), (813, 4200),

Gene: Shaka_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Shaka_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: ShakeltOph_3 Start: 2299, Stop: 3663, Start Num: 148

Candidate Starts for ShakeltOph_3:

(Start: 148 @2299 has 57 MA's), (215, 2413), (Start: 222 @2422 has 4 MA's), (266, 2521), (534, 2962), (535, 2965), (663, 3184), (699, 3262), (789, 3481), (799, 3490),

Gene: ShakeNBake_9 Start: 4504, Stop: 6054, Start Num: 102

Candidate Starts for ShakeNBake_9:

(65, 4444), (78, 4468), (Start: 102 @4504 has 24 MA's), (Start: 179 @4600 has 2 MA's), (189, 4621), (190, 4624), (196, 4636), (206, 4666), (226, 4696), (249, 4741), (275, 4792), (296, 4846), (333, 4921), (335, 4924), (362, 4957), (365, 4963), (479, 5131), (486, 5140), (545, 5254), (551, 5263), (624, 5395), (632, 5407), (649, 5452), (659, 5476), (667, 5497), (672, 5509), (675, 5518), (683, 5542), (734, 5671), (737, 5680), (812, 5854), (836, 5905), (854, 5923), (864, 5935),

Gene: Sham4_13 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Sham4_13:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Shaobing_9 Start: 3102, Stop: 4652, Start Num: 83

Candidate Starts for Shaobing_9:

(46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (182, 3204), (Start: 222 @3285 has 4 MA's), (232, 3309), (252, 3351), (305, 3453), (314, 3474), (319, 3489), (362, 3579), (369, 3594), (414, 3669), (441, 3714), (458, 3744), (467, 3759), (473, 3765), (479, 3783), (495, 3819), (501, 3831), (522, 3864), (537, 3897), (546, 3918), (555, 3933), (558, 3939), (575, 3969), (624, 4002), (635, 4020), (666, 4098), (670, 4110), (672, 4113), (676, 4125), (677, 4128), (699, 4164), (734, 4260), (735, 4263), (741, 4281), (767, 4323), (785, 4374), (803, 4398), (811, 4422), (812, 4425), (813, 4434), (842, 4494), (877, 4530), (899, 4557),

Gene: Shapes_15 Start: 8443, Stop: 9888, Start Num: 124

Candidate Starts for Shapes_15:

(Start: 124 @8443 has 299 MA's), (141, 8455), (233, 8602), (308, 8749), (320, 8782), (324, 8800), (327, 8806), (342, 8839), (382, 8920), (390, 8932), (480, 9058), (489, 9076), (534, 9148), (542, 9172), (545, 9175), (549, 9181), (563, 9202), (663, 9382), (710, 9508), (711, 9511), (735, 9562), (737, 9568), (743, 9583), (757, 9613), (762, 9622), (798, 9703), (812, 9739), (824, 9769), (861, 9820), (864, 9823),

Gene: Shauna1_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Shauna1_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769,

3431), (826, 3575), (833, 3593),

Gene: ShawBrad_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for ShawBrad_4:

(Start: 123 @2191 has 47 MA's), (194, 2281), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (532, 2878), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (682, 3178), (696, 3208), (741, 3331), (780, 3424), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: ShayRa_16 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for ShayRa_16:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: SheaKeira_13 Start: 8094, Stop: 9584, Start Num: 127

Candidate Starts for SheaKeira_13:

(Start: 127 @8094 has 330 MA's), (182, 8154), (233, 8259), (273, 8343), (298, 8373), (329, 8469), (365, 8541), (482, 8718), (508, 8754), (514, 8763), (534, 8802), (542, 8826), (545, 8829), (549, 8835), (560, 8853), (563, 8856), (587, 8907), (735, 9201), (741, 9219), (757, 9249), (762, 9258), (802, 9345), (810, 9369), (812, 9375), (824, 9405), (857, 9450), (867, 9459), (926, 9546),

Gene: SheckWes_4 Start: 2570, Stop: 4018, Start Num: 159

Candidate Starts for SheckWes_4:

(Start: 159 @2570 has 63 MA's), (184, 2600), (223, 2678), (255, 2744), (257, 2750), (276, 2786), (302, 2822), (326, 2897), (365, 2966), (382, 2999), (386, 3005), (423, 3041), (488, 3152), (489, 3155), (496, 3161), (525, 3206), (537, 3236), (545, 3254), (549, 3260), (574, 3302), (602, 3371), (645, 3437), (674, 3509), (741, 3680), (762, 3713), (787, 3773), (789, 3779), (798, 3794), (811, 3827), (835, 3887), (836, 3890), (923, 4001),

Gene: ShedlockHolmes_8 Start: 2923, Stop: 4488, Start Num: 83

Candidate Starts for ShedlockHolmes_8:

(58, 2890), (Start: 83 @2923 has 142 MA's), (175, 3028), (182, 3037), (189, 3052), (232, 3142), (248, 3175), (253, 3187), (266, 3217), (305, 3286), (319, 3322), (327, 3349), (356, 3400), (362, 3409), (369, 3424), (414, 3499), (423, 3514), (428, 3520), (433, 3529), (441, 3544), (473, 3595), (501, 3661), (522, 3694), (527, 3700), (537, 3727), (546, 3748), (558, 3769), (624, 3832), (635, 3850), (666, 3928), (670, 3940), (672, 3943), (677, 3958), (709, 4039), (711, 4045), (734, 4093), (741, 4114), (803, 4231), (812, 4258), (813, 4267), (828, 4303),

Gene: Sheen_14 Start: 10056, Stop: 11552, Start Num: 124

Candidate Starts for Sheen_14:

(Start: 124 @10056 has 299 MA's), (233, 10221), (298, 10371), (320, 10437), (355, 10521), (368, 10545), (382, 10572), (395, 10590), (449, 10653), (476, 10701), (480, 10713), (488, 10728), (489, 10731), (534, 10803), (545, 10830), (549, 10836), (563, 10857), (574, 10878), (577, 10887), (599, 10935), (663, 11040), (710, 11166), (711, 11169), (735, 11220), (737, 11226), (743, 11241), (787, 11340), (798, 11361), (802, 11367), (812, 11397), (824, 11427), (842, 11457), (845, 11460), (861, 11478),

Gene: SheldonCooper_12 Start: 8556, Stop: 10007, Start Num: 124

Candidate Starts for SheldonCooper_12:

(Start: 124 @8556 has 299 MA's), (233, 8715), (316, 8883), (324, 8913), (343, 8952), (352, 8970), (382, 9030), (476, 9159), (482, 9177), (545, 9288), (549, 9294), (563, 9315), (566, 9321), (599, 9390),

(642, 9450), (710, 9621), (711, 9624), (735, 9675), (737, 9681), (743, 9696), (757, 9726), (798, 9816), (812, 9852), (816, 9864), (824, 9882), (845, 9912),

Gene: Sheng711_5 Start: 2334, Stop: 3971, Start Num: 132

Candidate Starts for Sheng711_5:

(Start: 132 @2334 has 11 MA's), (189, 2409), (252, 2538), (253, 2541), (266, 2571), (305, 2643), (319, 2679), (332, 2718), (441, 2850), (469, 2889), (481, 2922), (492, 2946), (495, 2952), (506, 2973), (510, 2979), (512, 2982), (527, 3003), (555, 3066), (557, 3069), (626, 3171), (638, 3192), (682, 3300), (684, 3306), (720, 3399), (734, 3426), (767, 3489), (782, 3531), (799, 3558), (803, 3567), (824, 3627), (840, 3657), (849, 3666), (855, 3672), (919, 3762), (925, 3774), (950, 3852),

Gene: ShiLan_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for ShiLan_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: ShiaSurprise_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for ShiaSurprise_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: ShortQueendom_12 Start: 8325, Stop: 9767, Start Num: 158

Candidate Starts for ShortQueendom_12:

(109, 8259), (Start: 158 @8325 has 220 MA's), (263, 8523), (365, 8736), (482, 8931), (489, 8943), (545, 9042), (667, 9237), (682, 9276), (710, 9354), (712, 9360), (735, 9408), (739, 9420), (743, 9429), (785, 9519), (824, 9609), (845, 9642), (857, 9654),

Gene: ShowerHandel_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for ShowerHandel_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290, 2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: ShroomBoi_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for ShroomBoi_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Shukran_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Shukran_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (224, 2385), (229, 2397), (353, 2655), (365, 2679), (435, 2781), (477, 2847), (480, 2856), (498, 2883), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (687, 3225), (710, 3288), (734, 3339), (758, 3390), (778, 3432), (787, 3456), (824, 3537), (828, 3546), (877, 3597),

Gene: Shuman_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Shuman_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Shygu2_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Shygu2_12:

(Start: 124 @8581 has 299 MA's), (229, 8731), (233, 8743), (308, 8890), (316, 8911), (324, 8941), (343, 8980), (352, 8998), (355, 9007), (382, 9058), (476, 9187), (482, 9205), (514, 9250), (545, 9316), (549, 9322), (563, 9343), (566, 9349), (599, 9418), (642, 9478), (663, 9523), (710, 9649), (711, 9652), (735, 9703), (737, 9709), (741, 9721), (743, 9724), (757, 9751), (802, 9847), (812, 9877), (824, 9907), (845, 9937),

Gene: SiSi_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for SiSi_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (675, 3194), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560), (833, 3578),

Gene: Sibs6_14 Start: 8958, Stop: 10400, Start Num: 158

Candidate Starts for Sibs6_14:

(109, 8892), (Start: 158 @8958 has 220 MA's), (263, 9156), (365, 9369), (482, 9564), (484, 9567), (545, 9675), (584, 9747), (667, 9870), (682, 9909), (710, 9987), (712, 9993), (735, 10041), (739, 10053), (743, 10062), (785, 10152), (824, 10242), (845, 10275), (857, 10287),

Gene: SilverChicken_4 Start: 2180, Stop: 3604, Start Num: 123

Candidate Starts for SilverChicken_4:

(Start: 123 @2180 has 47 MA's), (Start: 154 @2213 has 46 MA's), (192, 2267), (224, 2327), (226, 2336), (246, 2369), (258, 2402), (270, 2432), (302, 2477), (306, 2495), (316, 2519), (319, 2528), (352, 2588), (382, 2648), (388, 2657), (390, 2660), (421, 2693), (435, 2714), (460, 2756), (482, 2795), (494, 2807), (496, 2810), (531, 2867), (532, 2870), (534, 2876), (539, 2891), (556, 2921), (559, 2927), (596, 3005), (649, 3086), (671, 3140), (687, 3185), (696, 3200), (719, 3272), (739, 3317), (741, 3323), (787, 3431), (791, 3440), (797, 3449), (809, 3479), (813, 3494),

Gene: Silverleaf_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Silverleaf_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672,

3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Simpson_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Simpson_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: SimranZ1_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for SimranZ1_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: SirPhilip_8 Start: 2803, Stop: 4356, Start Num: 75

Candidate Starts for SirPhilip_8:

(44, 2686), (46, 2713), (Start: 75 @2803 has 32 MA's), (Start: 83 @2818 has 142 MA's), (Start: 154 @2884 has 46 MA's), (182, 2920), (201, 2974), (232, 3025), (248, 3058), (252, 3067), (305, 3169), (314, 3190), (319, 3205), (324, 3226), (327, 3232), (369, 3310), (388, 3349), (428, 3406), (449, 3442), (467, 3475), (479, 3499), (495, 3535), (501, 3547), (522, 3580), (537, 3613), (546, 3634), (558, 3655), (575, 3685), (624, 3718), (635, 3736), (666, 3814), (670, 3826), (676, 3841), (677, 3844), (687, 3871), (711, 3928), (735, 3979), (741, 3997), (785, 4090), (803, 4114), (812, 4141), (813, 4150), (828, 4186),

Gene: Sizemore_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Sizemore_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Skelbel_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Skelbel_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: SketchMex_4 Start: 2786, Stop: 4240, Start Num: 159

Candidate Starts for SketchMex_4:

(Start: 159 @2786 has 63 MA's), (184, 2810), (242, 2924), (246, 2933), (320, 3089), (322, 3098), (365, 3179), (466, 3326), (489, 3368), (537, 3449), (545, 3467), (549, 3473), (601, 3581), (663, 3701), (674, 3728), (687, 3764), (730, 3872), (739, 3893), (800, 4016), (811, 4046), (835, 4106), (836, 4109), (923, 4217),

Gene: SkiPole_14 Start: 8832, Stop: 10274, Start Num: 158

Candidate Starts for SkiPole_14:

(109, 8766), (Start: 158 @8832 has 220 MA's), (263, 9030), (365, 9243), (482, 9438), (489, 9450), (545, 9549), (667, 9744), (682, 9783), (710, 9861), (712, 9867), (735, 9915), (739, 9927), (743, 9936), (762, 9969), (785, 10026), (824, 10116), (845, 10149), (857, 10161),

Gene: Skinny_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for Skinny_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Skipitt_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Skipitt_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (734, 9694), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: Skitty_3 Start: 1758, Stop: 3161, Start Num: 105

Candidate Starts for Skitty_3:

(Start: 105 @1758 has 79 MA's), (Start: 154 @1809 has 46 MA's), (164, 1821), (182, 1839), (184, 1842), (197, 1875), (236, 1944), (252, 1980), (255, 1986), (260, 2001), (269, 2022), (272, 2028), (298, 2055), (308, 2088), (312, 2094), (322, 2130), (323, 2136), (382, 2238), (400, 2262), (402, 2265), (407, 2271), (432, 2295), (439, 2310), (441, 2313), (531, 2451), (532, 2454), (537, 2469), (549, 2493), (574, 2535), (577, 2544), (588, 2568), (602, 2598), (645, 2640), (649, 2649), (652, 2658), (658, 2673), (666, 2691), (709, 2808), (740, 2883), (787, 2988), (789, 2994), (802, 3015), (807, 3030), (824, 3075), (876, 3132),

Gene: Sknot_13 Start: 9268, Stop: 10728, Start Num: 127

Candidate Starts for Sknot_13:

(Start: 127 @9268 has 330 MA's), (182, 9328), (229, 9421), (233, 9433), (365, 9715), (382, 9748), (484, 9895), (489, 9904), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (675, 10225), (687, 10258), (735, 10375), (743, 10396), (757, 10423), (762, 10432), (812, 10549), (824, 10579), (842, 10609), (867, 10633),

Gene: Skyerus_3 Start: 1783, Stop: 3213, Start Num: 105

Candidate Starts for Skyerus_3:

(Start: 105 @1783 has 79 MA's), (184, 1867), (225, 1951), (236, 1969), (252, 2005), (260, 2026), (272, 2053), (322, 2155), (323, 2161), (324, 2164), (327, 2170), (382, 2263), (402, 2290), (432, 2320), (439, 2335), (441, 2338), (487, 2407), (532, 2479), (534, 2485), (537, 2494), (545, 2512), (549, 2518), (571, 2554), (574, 2560), (577, 2569), (588, 2593), (602, 2623), (645, 2665), (649, 2674), (658, 2698), (666, 2716), (670, 2728), (684, 2764), (710, 2836), (739, 2905), (740, 2908), (762, 2953), (787, 3013), (807, 3055), (812, 3070), (860, 3145),

Gene: Skysand_27 Start: 14990, Stop: 16573, Start Num: 120

Candidate Starts for Skysand_27:

(Start: 120 @14990 has 6 MA's), (Start: 127 @14999 has 330 MA's), (182, 15077), (305, 15344), (353, 15458), (529, 15728), (570, 15812), (576, 15827), (581, 15842), (633, 15923), (672, 16031), (684, 16064), (722, 16163), (735, 16187), (738, 16196), (759, 16256), (788, 16322), (799, 16340), (803, 16349), (818, 16394), (824, 16409),

Gene: Slagathor_13 Start: 8610, Stop: 10052, Start Num: 158

Candidate Starts for Slagathor_13:

(109, 8544), (Start: 158 @8610 has 220 MA's), (263, 8808), (365, 9021), (482, 9216), (489, 9228), (545, 9327), (584, 9399), (667, 9522), (682, 9561), (710, 9639), (712, 9645), (735, 9693), (739, 9705),

(743, 9714), (785, 9804), (824, 9894), (845, 9927), (857, 9939),

Gene: Slarp_10 Start: 3932, Stop: 5518, Start Num: 81

Candidate Starts for Slarp_10:

(Start: 75 @3917 has 32 MA's), (Start: 81 @3932 has 28 MA's), (Start: 101 @3956 has 1 MA's), (Start: 154 @4022 has 46 MA's), (186, 4067), (Start: 222 @4139 has 4 MA's), (248, 4196), (252, 4205), (253, 4208), (266, 4238), (305, 4307), (314, 4328), (324, 4364), (327, 4370), (345, 4394), (362, 4430), (369, 4445), (388, 4484), (476, 4619), (479, 4628), (488, 4646), (500, 4673), (501, 4676), (522, 4709), (537, 4742), (546, 4763), (558, 4784), (624, 4847), (637, 4871), (645, 4895), (666, 4943), (670, 4955), (675, 4967), (677, 4973), (697, 5012), (739, 5126), (741, 5132), (803, 5303), (812, 5330), (813, 5339), (845, 5402), (857, 5414),

Gene: Sleepyhead_3 Start: 1933, Stop: 3366, Start Num: 157

Candidate Starts for Sleepyhead_3:

(Start: 154 @1927 has 46 MA's), (Start: 157 @1933 has 14 MA's), (165, 1945), (226, 2056), (243, 2086), (320, 2254), (324, 2272), (327, 2278), (410, 2416), (519, 2554), (527, 2566), (546, 2614), (557, 2632), (594, 2719), (618, 2773), (643, 2830), (659, 2863), (669, 2890), (672, 2896), (702, 2974), (735, 3052), (737, 3058), (789, 3169), (791, 3172), (805, 3190), (807, 3196), (812, 3211), (881, 3325), (887, 3331),

Gene: Slim_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Slim_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (735, 3298), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: SlimJimmy_14 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for SlimJimmy_14:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Slimphazie_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Slimphazie_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Smairt_13 Start: 9129, Stop: 10571, Start Num: 158

Candidate Starts for Smairt_13:

(109, 9063), (Start: 158 @9129 has 220 MA's), (263, 9327), (365, 9540), (482, 9735), (545, 9846), (667, 10041), (682, 10080), (710, 10158), (712, 10164), (735, 10212), (739, 10224), (743, 10233), (785, 10323), (824, 10413), (845, 10446), (857, 10458),

Gene: Smeadley_10 Start: 7455, Stop: 8885, Start Num: 127

Candidate Starts for Smeadley_10:

(Start: 127 @7455 has 330 MA's), (232, 7605), (365, 7887), (449, 7998), (482, 8061), (514, 8106), (545, 8172), (563, 8199), (663, 8364), (702, 8466), (735, 8544), (737, 8550), (762, 8601), (812, 8718), (824, 8748), (867, 8802),

Gene: Smeagan_15 Start: 9670, Stop: 11130, Start Num: 127

Candidate Starts for Smeagan_15:

(Start: 127 @9670 has 330 MA's), (182, 9730), (233, 9835), (324, 10033), (365, 10117), (382, 10150), (482, 10294), (534, 10378), (545, 10405), (549, 10411), (563, 10432), (566, 10438), (587, 10483), (735, 10777), (741, 10795), (743, 10798), (757, 10825), (762, 10834), (812, 10951), (824, 10981), (842, 11011), (867, 11035),

Gene: Smeagol_13 Start: 9550, Stop: 10986, Start Num: 158

Candidate Starts for Smeagol_13:

(109, 9484), (Start: 158 @9550 has 220 MA's), (263, 9748), (365, 9961), (482, 10156), (489, 10168), (545, 10267), (667, 10462), (682, 10501), (710, 10579), (712, 10585), (735, 10633), (739, 10645), (743, 10654), (785, 10744), (824, 10834), (845, 10867), (894, 10927),

Gene: SmellyB_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for SmellyB_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: Smoothie_32 Start: 10444, Stop: 12060, Start Num: 104

Candidate Starts for Smoothie_32:

(Start: 104 @10444 has 19 MA's), (Start: 143 @10495 has 5 MA's), (Start: 151 @10504 has 63 MA's), (Start: 193 @10564 has 1 MA's), (Start: 222 @10621 has 4 MA's), (240, 10657), (258, 10702), (269, 10729), (365, 10933), (379, 10963), (403, 10999), (431, 11044), (435, 11053), (444, 11068), (532, 11206), (533, 11209), (539, 11227), (541, 11233), (566, 11275), (644, 11467), (675, 11554), (686, 11584), (704, 11629), (722, 11677), (730, 11692), (756, 11755), (769, 11779), (771, 11785), (775, 11794), (806, 11863), (824, 11914), (825, 11917), (829, 11929),

Gene: SnapTap_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for SnapTap_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (566, 9938), (587, 9983), (667, 10106), (735, 10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: Snape_13 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Snape_13:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Snazzy_10 Start: 8139, Stop: 9581, Start Num: 158

Candidate Starts for Snazzy_10:

(109, 8073), (Start: 158 @8139 has 220 MA's), (263, 8337), (365, 8550), (482, 8745), (489, 8757), (545, 8856), (584, 8928), (667, 9051), (682, 9090), (710, 9168), (712, 9174), (735, 9222), (739, 9234),

(743, 9243), (785, 9333), (824, 9423), (845, 9456), (857, 9468),

Gene: Sneeze_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Sneeze_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Snek_4 Start: 3136, Stop: 4500, Start Num: 144

Candidate Starts for Snek_4:

(Start: 144 @3136 has 15 MA's), (199, 3217), (Start: 222 @3256 has 4 MA's), (286, 3391), (324, 3481), (355, 3517), (363, 3526), (480, 3703), (484, 3712), (663, 4018), (699, 4096), (705, 4126), (778, 4285), (789, 4315), (799, 4324),

Gene: Snenia_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for Snenia_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: Snickers_14 Start: 8628, Stop: 10082, Start Num: 124

Candidate Starts for Snickers_14:

(Start: 124 @8628 has 299 MA's), (Start: 157 @8658 has 14 MA's), (182, 8685), (233, 8790), (298, 8904), (320, 8970), (343, 9027), (382, 9105), (384, 9108), (482, 9249), (545, 9360), (549, 9366), (563, 9387), (663, 9552), (710, 9678), (735, 9732), (737, 9738), (743, 9753), (762, 9789), (802, 9876), (812, 9906), (824, 9936), (857, 9981), (867, 9990),

Gene: Snorlax_7 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Snorlax_7:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (458, 4607), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: SoJulia_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for SoJulia_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: SoSeph_7 Start: 2788, Stop: 4323, Start Num: 83

Candidate Starts for SoSeph_7:

(Start: 83 @2788 has 142 MA's), (Start: 154 @2860 has 46 MA's), (182, 2896), (186, 2905), (201, 2950), (248, 3034), (253, 3046), (266, 3076), (281, 3094), (305, 3145), (319, 3181), (327, 3208), (356, 3259), (359, 3262), (362, 3268), (369, 3283), (370, 3286), (414, 3358), (428, 3379), (444, 3409), (473, 3454), (495, 3508), (522, 3553), (537, 3586), (546, 3607), (555, 3622), (557, 3625), (558, 3628), (624, 3691), (635, 3709), (637, 3715), (666, 3787), (670, 3799), (672, 3802), (677, 3817), (701, 3862), (702,

3877), (709, 3898), (734, 3952), (735, 3955), (741, 3973), (749, 3988), (780, 4054), (787, 4069), (803, 4090), (813, 4126), (828, 4162), (899, 4249),

Gene: SoYo_14 Start: 8565, Stop: 10019, Start Num: 124

Candidate Starts for SoYo_14:

(Start: 124 @8565 has 299 MA's), (Start: 157 @8595 has 14 MA's), (182, 8622), (233, 8727), (298, 8841), (320, 8907), (343, 8964), (382, 9042), (384, 9045), (482, 9186), (545, 9297), (549, 9303), (563, 9324), (663, 9489), (710, 9615), (735, 9669), (737, 9675), (743, 9690), (762, 9726), (802, 9813), (812, 9843), (824, 9873), (857, 9918), (867, 9927),

Gene: Soap141_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Soap141_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Socotra_6 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Socotra_6:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: SoilDragon_14 Start: 8339, Stop: 9793, Start Num: 124

Candidate Starts for SoilDragon_14:

(Start: 124 @8339 has 299 MA's), (Start: 157 @8369 has 14 MA's), (182, 8396), (233, 8501), (298, 8615), (320, 8681), (343, 8738), (382, 8816), (384, 8819), (482, 8960), (545, 9071), (549, 9077), (563, 9098), (663, 9263), (710, 9389), (735, 9443), (737, 9449), (743, 9464), (762, 9500), (802, 9587), (812, 9617), (824, 9647), (857, 9692), (867, 9701),

Gene: Solid_3 Start: 1885, Stop: 3210, Start Num: 154

Candidate Starts for Solid_3:

(Start: 154 @1885 has 46 MA's), (164, 1900), (181, 1918), (191, 1939), (216, 1990), (224, 1999), (225, 2005), (233, 2023), (242, 2032), (246, 2041), (247, 2044), (255, 2065), (258, 2074), (301, 2134), (314, 2173), (316, 2179), (322, 2200), (324, 2209), (337, 2239), (339, 2242), (376, 2302), (383, 2314), (385, 2317), (387, 2320), (424, 2359), (426, 2362), (434, 2374), (443, 2386), (479, 2437), (489, 2458), (498, 2467), (539, 2545), (545, 2557), (552, 2569), (574, 2605), (577, 2614), (602, 2656), (614, 2665), (618, 2674), (649, 2707), (667, 2752), (670, 2761), (674, 2770), (702, 2845), (710, 2869), (730, 2914), (737, 2929), (767, 2989), (785, 3040), (800, 3067), (808, 3088), (809, 3091), (811, 3097), (812, 3100), (813, 3106), (818, 3115), (824, 3130), (825, 3133), (839, 3163),

Gene: Solon_12 Start: 9291, Stop: 10733, Start Num: 158

Candidate Starts for Solon_12:

(109, 9225), (Start: 158 @9291 has 220 MA's), (263, 9489), (365, 9702), (482, 9897), (489, 9909), (545, 10008), (584, 10080), (667, 10203), (682, 10242), (710, 10320), (712, 10326), (735, 10374), (739, 10386), (743, 10395), (785, 10485), (824, 10575), (845, 10608), (857, 10620),

Gene: SonDevVon_3 Start: 2275, Stop: 3606, Start Num: 155

Candidate Starts for SonDevVon_3:

(Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (161, 2284), (224, 2386), (229, 2398), (301, 2539), (316, 2584), (321, 2599), (327, 2620), (355, 2656), (365, 2674), (418, 2755), (450, 2800), (498, 2878), (541, 2959), (549, 2971), (551, 2974), (565, 2998), (585, 3040), (660, 3151), (667, 3166), (679, 3196), (713, 3292), (824, 3532), (825, 3535), (828, 3541), (877, 3592),

Gene: Soondubu_3 Start: 2296, Stop: 3684, Start Num: 148

Candidate Starts for Soondubu_3:

(Start: 148 @2296 has 57 MA's), (Start: 222 @2419 has 4 MA's), (327, 2650), (363, 2689), (620, 3085), (705, 3289), (778, 3448), (789, 3478), (799, 3487), (828, 3565),

Gene: Sooty_3 Start: 2306, Stop: 3871, Start Num: 144

Candidate Starts for Sooty_3:

(Start: 144 @2306 has 15 MA's), (Start: 222 @2432 has 4 MA's), (324, 2657), (355, 2693), (363, 2702), (421, 2795), (444, 2819), (495, 2924), (682, 3257), (687, 3272), (689, 3275), (799, 3515), (913, 3689), (949, 3803), (953, 3836),

Gene: Sopespian_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Sopespian_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: SororFago_12 Start: 8293, Stop: 9759, Start Num: 127

Candidate Starts for SororFago_12:

(Start: 127 @8293 has 330 MA's), (182, 8353), (233, 8458), (266, 8527), (329, 8668), (365, 8740), (432, 8833), (436, 8842), (484, 8920), (534, 9001), (545, 9028), (549, 9034), (560, 9052), (563, 9055), (574, 9076), (587, 9106), (602, 9127), (624, 9145), (657, 9208), (682, 9268), (735, 9400), (741, 9418), (757, 9448), (762, 9457), (787, 9517), (812, 9574), (824, 9604), (842, 9634), (867, 9658),

Gene: Sorpresa_12 Start: 8657, Stop: 10099, Start Num: 158

Candidate Starts for Sorpresa_12:

(109, 8591), (Start: 158 @8657 has 220 MA's), (263, 8855), (365, 9068), (482, 9263), (489, 9275), (545, 9374), (667, 9569), (682, 9608), (710, 9686), (712, 9692), (735, 9740), (739, 9752), (743, 9761), (785, 9851), (824, 9941), (845, 9974), (857, 9986),

Gene: Soshari_16 Start: 8737, Stop: 10191, Start Num: 124

Candidate Starts for Soshari_16:

(Start: 124 @8737 has 299 MA's), (Start: 157 @8767 has 14 MA's), (182, 8794), (233, 8899), (298, 9013), (320, 9079), (343, 9136), (382, 9214), (384, 9217), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (663, 9661), (710, 9787), (735, 9841), (737, 9847), (743, 9862), (762, 9898), (802, 9985), (812, 10015), (824, 10045), (857, 10090), (867, 10099),

Gene: Soul22_4 Start: 2180, Stop: 3604, Start Num: 123

Candidate Starts for Soul22_4:

(Start: 123 @2180 has 47 MA's), (Start: 154 @2213 has 46 MA's), (192, 2267), (224, 2327), (226, 2336), (246, 2369), (258, 2402), (270, 2432), (302, 2477), (316, 2519), (319, 2528), (352, 2588), (382, 2648), (388, 2657), (390, 2660), (421, 2693), (435, 2714), (460, 2756), (479, 2786), (482, 2795), (494, 2807), (496, 2810), (531, 2867), (532, 2870), (534, 2876), (539, 2891), (556, 2921), (559, 2927), (596, 3005), (649, 3086), (671, 3140), (687, 3185), (696, 3200), (719, 3272), (739, 3317), (741, 3323), (787, 3431), (791, 3440), (797, 3449), (809, 3479), (813, 3494), (825, 3521),

Gene: Soups_15 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for Soups_15:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: South40_8 Start: 4327, Stop: 5763, Start Num: 155

Candidate Starts for South40_8:

(Start: 142 @4318 has 1 MA's), (Start: 144 @4321 has 15 MA's), (Start: 155 @4327 has 140 MA's), (174, 4351), (188, 4375), (Start: 222 @4444 has 4 MA's), (246, 4492), (255, 4516), (266, 4543), (328, 4696), (412, 4810), (444, 4852), (450, 4864), (458, 4879), (479, 4918), (530, 5008), (534, 5020), (579, 5113), (629, 5191), (645, 5236), (669, 5293), (773, 5530), (908, 5749),

Gene: Sparkdehlily_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for Sparkdehlily_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: Sparky_3 Start: 2308, Stop: 3759, Start Num: 144

Candidate Starts for Sparky_3:

(Start: 142 @2305 has 1 MA's), (Start: 144 @2308 has 15 MA's), (Start: 151 @2314 has 63 MA's), (182, 2353), (207, 2419), (246, 2482), (253, 2503), (259, 2518), (266, 2533), (319, 2638), (326, 2662), (428, 2836), (433, 2845), (478, 2935), (488, 2956), (500, 2983), (501, 2986), (557, 3091), (622, 3160), (645, 3205), (689, 3313), (697, 3322), (702, 3346), (716, 3388), (735, 3424), (741, 3442), (780, 3523), (809, 3586), (820, 3616), (866, 3679),

Gene: Spartacus_3 Start: 2243, Stop: 3613, Start Num: 156

Candidate Starts for Spartacus_3:

(Start: 156 @2243 has 163 MA's), (Start: 180 @2279 has 9 MA's), (Start: 193 @2303 has 1 MA's), (196, 2312), (198, 2318), (199, 2321), (Start: 222 @2360 has 4 MA's), (252, 2426), (253, 2429), (290, 2498), (305, 2537), (309, 2546), (324, 2594), (365, 2654), (391, 2702), (423, 2747), (465, 2792), (490, 2819), (514, 2864), (532, 2885), (533, 2888), (534, 2891), (541, 2912), (546, 2921), (575, 2972), (576, 2975), (579, 2984), (592, 3014), (603, 3035), (641, 3104), (646, 3113), (662, 3164), (664, 3167), (686, 3227), (688, 3233), (735, 3344), (739, 3356), (751, 3389), (754, 3395), (769, 3419), (833, 3581),

Gene: Spartoi_3 Start: 1805, Stop: 3307, Start Num: 108

Candidate Starts for Spartoi_3:

(Start: 108 @1805 has 1 MA's), (182, 1889), (184, 1892), (247, 2015), (354, 2243), (432, 2369), (451, 2396), (493, 2465), (532, 2531), (545, 2564), (602, 2663), (614, 2672), (655, 2732), (658, 2738), (740, 2945), (774, 3020), (785, 3053), (797, 3074), (825, 3146), (901, 3242), (927, 3290),

Gene: Sparxx_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Sparxx_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: SpecialK_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for SpecialK_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (672, 3231), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690),

Gene: SpeedDemon_140 Start: 8140, Stop: 9699, Start Num: 102

Candidate Starts for SpeedDemon_140:

(9, 7426), (11, 7432), (16, 7645), (29, 7774), (36, 7834), (37, 7837), (Start: 102 @8140 has 24 MA's), (240, 8356), (258, 8401), (309, 8506), (365, 8605), (366, 8608), (379, 8635), (424, 8704), (507, 8839), (532, 8872), (533, 8875), (541, 8899), (571, 8950), (617, 9070), (651, 9145), (672, 9208), (686, 9247), (705, 9295), (713, 9319), (741, 9382), (774, 9454), (779, 9469), (806, 9526), (820, 9565), (824, 9577), (825, 9580), (831, 9595), (835, 9604),

Gene: Speedwell_8 Start: 4147, Stop: 5580, Start Num: 155

Candidate Starts for Speedwell_8:

(Start: 155 @4147 has 140 MA's), (Start: 222 @4264 has 4 MA's), (246, 4312), (249, 4324), (458, 4699), (477, 4732), (479, 4738), (534, 4837), (573, 4912), (579, 4930), (610, 4969), (629, 5005), (645, 5050), (669, 5107), (748, 5299), (773, 5344), (827, 5476),

Gene: SpicyFrank_4 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for SpicyFrank_4:

(68, 2152), (Start: 69 @2155 has 1 MA's), (89, 2194), (92, 2197), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (353, 2656), (382, 2713), (432, 2776), (460, 2821), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (585, 3046), (660, 3157), (667, 3172), (687, 3226), (710, 3289), (734, 3340), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Spike509_14 Start: 8738, Stop: 10192, Start Num: 124

Candidate Starts for Spike509_14:

(Start: 124 @8738 has 299 MA's), (Start: 157 @8768 has 14 MA's), (182, 8795), (233, 8900), (298, 9014), (320, 9080), (343, 9137), (382, 9215), (384, 9218), (482, 9359), (545, 9470), (549, 9476), (563, 9497), (663, 9662), (710, 9788), (735, 9842), (737, 9848), (743, 9863), (762, 9899), (802, 9986), (812, 10016), (824, 10046), (857, 10091), (867, 10100),

Gene: SpikeBT_14 Start: 9594, Stop: 11036, Start Num: 158

Candidate Starts for SpikeBT_14:

(109, 9528), (Start: 158 @9594 has 220 MA's), (263, 9792), (365, 10005), (482, 10200), (484, 10203), (489, 10212), (545, 10311), (667, 10506), (682, 10545), (710, 10623), (712, 10629), (735, 10677), (739, 10689), (743, 10698), (785, 10788), (824, 10878), (845, 10911), (857, 10923),

Gene: Spikelee_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Spikelee_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Spino_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Spino_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Spock_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Spock_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Spooks_50 Start: 28254, Stop: 29678, Start Num: 136

Candidate Starts for Spooks_50:

(Start: 136 @28254 has 3 MA's), (177, 28302), (218, 28386), (255, 28467), (263, 28488), (273, 28509), (319, 28602), (327, 28629), (366, 28686), (539, 28923), (559, 28959), (569, 28974), (586, 29010), (638, 29082), (647, 29106), (663, 29148), (669, 29163), (675, 29178), (688, 29217), (718, 29295), (720, 29298), (735, 29328), (743, 29349), (782, 29427), (793, 29451), (827, 29526), (842, 29553), (849, 29559),

Gene: Spooky_4 Start: 2190, Stop: 3626, Start Num: 123

Candidate Starts for Spooky_4:

(Start: 123 @2190 has 47 MA's), (Start: 154 @2220 has 46 MA's), (214, 2322), (Start: 222 @2331 has 4 MA's), (224, 2334), (226, 2343), (242, 2367), (270, 2439), (301, 2481), (319, 2535), (329, 2568), (352, 2595), (355, 2604), (395, 2673), (423, 2703), (428, 2709), (468, 2775), (479, 2793), (482, 2802), (494, 2814), (496, 2817), (532, 2877), (534, 2883), (542, 2907), (556, 2928), (559, 2934), (575, 2961), (583, 2979), (596, 3012), (632, 3063), (649, 3093), (671, 3147), (682, 3177), (696, 3207), (717, 3276), (741, 3330), (787, 3438), (807, 3480), (813, 3501), (825, 3528), (860, 3561), (872, 3573), (883, 3588),

Gene: Spoonbill_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Spoonbill_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Sporco_5 Start: 2275, Stop: 3612, Start Num: 155

Candidate Starts for Sporco_5:

(68, 2152), (Start: 69 @2155 has 1 MA's), (92, 2197), (97, 2203), (Start: 102 @2209 has 24 MA's), (Start: 140 @2263 has 4 MA's), (Start: 155 @2275 has 140 MA's), (190, 2323), (224, 2386), (229, 2398), (305, 2557), (353, 2656), (382, 2713), (418, 2761), (432, 2776), (460, 2821), (477, 2848), (480, 2857), (498, 2884), (541, 2965), (549, 2977), (551, 2980), (565, 3004), (585, 3046), (667, 3172), (687, 3226), (710, 3289), (713, 3298), (734, 3340), (738, 3352), (758, 3391), (787, 3457), (824, 3538), (828, 3547), (877, 3598),

Gene: Spouty_14 Start: 9923, Stop: 11410, Start Num: 127

Candidate Starts for Spouty_14:

(Start: 127 @9923 has 330 MA's), (182, 9986), (233, 10091), (266, 10160), (329, 10301), (365, 10373), (400, 10427), (482, 10550), (508, 10586), (514, 10595), (534, 10634), (545, 10661), (549, 10667),

(563, 10688), (587, 10739), (624, 10778), (735, 11033), (741, 11051), (757, 11081), (758, 11084), (762, 11090), (810, 11201), (812, 11207), (824, 11237), (857, 11282), (867, 11291),

Gene: SqueakyClean_8 Start: 4130, Stop: 5617, Start Num: 155

Candidate Starts for SqueakyClean_8:

(Start: 155 @4130 has 140 MA's), (Start: 222 @4247 has 4 MA's), (266, 4346), (284, 4400), (305, 4439), (444, 4652), (534, 4820), (573, 4895), (576, 4904), (579, 4913), (585, 4931), (588, 4937), (645, 5078), (667, 5129), (669, 5135), (773, 5372), (813, 5471), (827, 5504), (908, 5603),

Gene: Squee_13 Start: 9135, Stop: 10577, Start Num: 158

Candidate Starts for Squee_13:

(109, 9069), (Start: 158 @9135 has 220 MA's), (263, 9333), (365, 9546), (482, 9741), (484, 9744), (489, 9753), (545, 9852), (667, 10047), (682, 10086), (710, 10164), (712, 10170), (735, 10218), (739, 10230), (743, 10239), (762, 10272), (785, 10329), (824, 10419), (845, 10452), (857, 10464),

Gene: Squiddly_5 Start: 2880, Stop: 4319, Start Num: 123

Candidate Starts for Squiddly_5:

(Start: 123 @2880 has 47 MA's), (135, 2895), (Start: 222 @3024 has 4 MA's), (224, 3027), (245, 3066), (258, 3102), (270, 3132), (301, 3174), (319, 3228), (355, 3297), (395, 3366), (423, 3396), (428, 3402), (432, 3408), (468, 3468), (479, 3486), (494, 3507), (496, 3510), (532, 3570), (534, 3576), (539, 3591), (542, 3600), (545, 3603), (556, 3621), (559, 3627), (575, 3654), (583, 3672), (596, 3705), (632, 3756), (649, 3786), (671, 3840), (696, 3900), (741, 4023), (787, 4131), (807, 4173), (813, 4194), (825, 4221), (860, 4254), (872, 4266), (883, 4281),

Gene: Squirty_4 Start: 2198, Stop: 3619, Start Num: 151

Candidate Starts for Squirty_4:

(Start: 151 @2198 has 63 MA's), (172, 2225), (182, 2237), (246, 2366), (252, 2384), (266, 2417), (305, 2486), (319, 2522), (324, 2543), (327, 2549), (345, 2573), (347, 2576), (381, 2651), (384, 2657), (404, 2684), (415, 2702), (441, 2744), (474, 2795), (480, 2813), (495, 2846), (500, 2855), (531, 2906), (534, 2915), (546, 2945), (557, 2963), (575, 2996), (637, 3053), (670, 3137), (677, 3155), (687, 3182), (697, 3194), (699, 3197), (701, 3203), (702, 3218), (713, 3251), (767, 3356), (768, 3359), (803, 3431), (805, 3437), (808, 3446), (809, 3449), (811, 3455), (813, 3467), (845, 3530), (889, 3578),

Gene: StAnnes_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for StAnnes_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: StCroix_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for StCroix_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Stagni_14 Start: 8656, Stop: 10110, Start Num: 124

Candidate Starts for Stagni_14:

(Start: 124 @8656 has 299 MA's), (Start: 157 @8686 has 14 MA's), (182, 8713), (233, 8818), (298, 8932), (320, 8998), (343, 9055), (382, 9133), (384, 9136), (482, 9277), (545, 9388), (549, 9394), (563, 9415), (663, 9580), (710, 9706), (735, 9760), (737, 9766), (743, 9781), (762, 9817), (802, 9904), (812, 9934), (824, 9964), (857, 10009), (867, 10018),

Gene: Stap_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Stap_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: StarStruck_26 Start: 14578, Stop: 16155, Start Num: 121

Candidate Starts for StarStruck_26:

(Start: 121 @14578 has 32 MA's), (Start: 124 @14584 has 299 MA's), (Start: 140 @14602 has 4 MA's), (182, 14662), (266, 14854), (305, 14932), (315, 14956), (416, 15157), (440, 15190), (502, 15277), (529, 15310), (577, 15412), (581, 15424), (633, 15505), (684, 15646), (722, 15745), (735, 15769), (738, 15778), (759, 15838), (785, 15898), (799, 15922), (803, 15931),

Gene: StarStuff_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for StarStuff_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: Starburst_6 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Starburst_6:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Starceвич_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Starceвич_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Stargaze_3 Start: 1909, Stop: 3513, Start Num: 69

Candidate Starts for Stargaze_3:

(Start: 69 @1909 has 1 MA's), (79, 1927), (Start: 124 @1990 has 299 MA's), (161, 2035), (164, 2038), (226, 2146), (246, 2179), (315, 2326), (316, 2329), (382, 2464), (439, 2539), (442, 2545), (449, 2548), (482, 2611), (494, 2623), (532, 2686), (549, 2725), (614, 2845), (649, 2902), (666, 2944), (667, 2947), (673, 2962), (674, 2965), (741, 3139), (848, 3370), (902, 3430),

Gene: Stasia_13 Start: 9023, Stop: 10474, Start Num: 124

Candidate Starts for Stasia_13:

(Start: 124 @9023 has 299 MA's), (233, 9185), (308, 9332), (316, 9353), (324, 9383), (343, 9422), (352, 9440), (382, 9500), (432, 9560), (482, 9644), (489, 9656), (542, 9752), (545, 9755), (549, 9761), (563, 9782), (566, 9788), (599, 9857), (663, 9962), (687, 10025), (710, 10088), (711, 10091), (735, 10142), (743, 10163), (757, 10190), (812, 10316), (824, 10346), (845, 10376),

Gene: SteMason_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for SteMason_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: SteamedHams_7 Start: 2796, Stop: 4250, Start Num: 159

Candidate Starts for SteamedHams_7:

(Start: 159 @2796 has 63 MA's), (184, 2820), (242, 2934), (246, 2943), (297, 3024), (322, 3108), (365, 3189), (466, 3336), (489, 3378), (525, 3429), (537, 3459), (545, 3477), (549, 3483), (663, 3711), (674, 3738), (680, 3753), (687, 3774), (718, 3858), (730, 3882), (800, 4026), (807, 4044), (811, 4056), (835, 4116), (836, 4119), (923, 4227),

Gene: Steamy_14 Start: 9733, Stop: 11208, Start Num: 127

Candidate Starts for Steamy_14:

(35, 9388), (Start: 127 @9733 has 330 MA's), (182, 9793), (233, 9898), (255, 9940), (298, 10012), (329, 10108), (365, 10180), (534, 10441), (545, 10468), (549, 10474), (563, 10495), (587, 10546), (735, 10840), (741, 10858), (757, 10888), (762, 10897), (787, 10957), (798, 10978), (810, 11008), (812, 11014), (824, 11044), (828, 11053), (854, 11086), (926, 11173), (930, 11182),

Gene: Stellammi_3 Start: 2341, Stop: 3726, Start Num: 105

Candidate Starts for Stellammi_3:

(Start: 105 @2341 has 79 MA's), (119, 2356), (Start: 154 @2389 has 46 MA's), (173, 2413), (189, 2437), (197, 2458), (245, 2542), (255, 2569), (257, 2575), (258, 2578), (272, 2611), (287, 2620), (301, 2647), (302, 2650), (308, 2671), (326, 2725), (362, 2788), (378, 2818), (395, 2845), (408, 2863), (414, 2872), (424, 2884), (426, 2887), (439, 2902), (484, 2968), (496, 2983), (508, 3001), (531, 3040), (532, 3043), (534, 3049), (539, 3064), (549, 3082), (575, 3127), (583, 3145), (593, 3172), (601, 3190), (602, 3193), (645, 3244), (667, 3298), (670, 3307), (674, 3316), (684, 3343), (687, 3352), (695, 3361), (709, 3412), (717, 3433), (719, 3436), (733, 3463), (735, 3472), (739, 3484), (747, 3511), (752, 3523), (767, 3538), (777, 3565), (785, 3589), (811, 3646),

Gene: StepMih_14 Start: 8677, Stop: 10101, Start Num: 157

Candidate Starts for StepMih_14:

(Start: 124 @8647 has 299 MA's), (Start: 157 @8677 has 14 MA's), (182, 8704), (233, 8809), (298, 8923), (320, 8989), (343, 9046), (382, 9124), (384, 9127), (482, 9268), (545, 9379), (549, 9385), (563, 9406), (663, 9571), (710, 9697), (735, 9751), (737, 9757), (743, 9772), (762, 9808), (802, 9895), (812, 9925), (824, 9955), (857, 10000), (867, 10009),

Gene: Stephig9_10 Start: 7423, Stop: 8853, Start Num: 127

Candidate Starts for Stephig9_10:

(Start: 127 @7423 has 330 MA's), (232, 7573), (252, 7609), (308, 7720), (365, 7855), (449, 7966), (482, 8029), (514, 8074), (545, 8140), (563, 8167), (663, 8332), (702, 8434), (735, 8512), (737, 8518), (762, 8569), (812, 8686), (824, 8716), (867, 8770),

Gene: StewieG_11 Start: 8507, Stop: 9949, Start Num: 158

Candidate Starts for StewieG_11:

(109, 8441), (Start: 158 @8507 has 220 MA's), (263, 8705), (365, 8918), (482, 9113), (489, 9125), (545, 9224), (584, 9296), (667, 9419), (682, 9458), (710, 9536), (712, 9542), (735, 9590), (739, 9602), (743, 9611), (785, 9701), (824, 9791), (845, 9824), (857, 9836),

Gene: Stickynote_15 Start: 9569, Stop: 11131, Start Num: 129

Candidate Starts for Stickynote_15:

(Start: 117 @9554 has 8 MA's), (Start: 129 @9569 has 6 MA's), (178, 9632), (188, 9653), (201, 9695), (234, 9755), (238, 9764), (244, 9773), (305, 9908), (355, 10028), (360, 10034), (389, 10097), (394, 10103), (477, 10217), (487, 10238), (515, 10292), (532, 10316), (570, 10391), (576, 10406), (581, 10421), (641, 10526), (646, 10535), (684, 10643), (739, 10775), (764, 10838), (782, 10883), (804, 10928), (806, 10934), (813, 10961), (818, 10970), (824, 10985), (899, 11069),

Gene: Stink_12 Start: 8543, Stop: 9997, Start Num: 124

Candidate Starts for Stink_12:

(Start: 124 @8543 has 299 MA's), (229, 8693), (233, 8705), (316, 8873), (324, 8903), (343, 8942), (352, 8960), (382, 9020), (476, 9149), (482, 9167), (489, 9179), (545, 9278), (549, 9284), (563, 9305), (566, 9311), (599, 9380), (663, 9485), (687, 9548), (710, 9611), (711, 9614), (735, 9665), (737, 9671), (743, 9686), (757, 9716), (798, 9806), (812, 9842), (824, 9872), (845, 9902), (917, 9983),

Gene: Stinson_9 Start: 3001, Stop: 4554, Start Num: 83

Candidate Starts for Stinson_9:

(38, 2758), (44, 2872), (46, 2899), (Start: 75 @2986 has 32 MA's), (Start: 83 @3001 has 142 MA's), (175, 3100), (182, 3109), (215, 3181), (Start: 222 @3190 has 4 MA's), (232, 3214), (248, 3247), (266, 3289), (305, 3358), (314, 3379), (327, 3421), (362, 3487), (369, 3502), (428, 3598), (441, 3622), (501, 3739), (522, 3772), (537, 3805), (558, 3847), (575, 3877), (624, 3910), (635, 3928), (666, 4006), (670, 4018), (672, 4021), (676, 4033), (677, 4036), (699, 4072), (711, 4120), (741, 4189), (787, 4285), (803, 4306), (812, 4333), (813, 4342), (828, 4378), (873, 4432),

Gene: Stormborn_3 Start: 1887, Stop: 3212, Start Num: 154

Candidate Starts for Stormborn_3:

(Start: 154 @1887 has 46 MA's), (Start: 157 @1893 has 14 MA's), (164, 1902), (181, 1920), (191, 1941), (224, 2001), (233, 2025), (242, 2034), (246, 2043), (255, 2067), (258, 2076), (301, 2136), (314, 2175), (316, 2181), (322, 2202), (324, 2211), (337, 2241), (383, 2316), (385, 2319), (387, 2322), (424, 2361), (426, 2364), (434, 2376), (443, 2388), (477, 2433), (488, 2457), (489, 2460), (498, 2469), (552, 2571), (574, 2607), (577, 2616), (602, 2658), (614, 2667), (618, 2676), (649, 2709), (667, 2754), (674, 2772), (710, 2871), (730, 2916), (737, 2931), (743, 2946), (747, 2958), (767, 2991), (785, 3042), (800, 3069), (808, 3090), (809, 3093), (811, 3099), (818, 3117), (824, 3132), (825, 3135), (839, 3165),

Gene: Strobilo_5 Start: 2088, Stop: 3593, Start Num: 81

Candidate Starts for Strobilo_5:

(Start: 81 @2088 has 28 MA's), (Start: 123 @2133 has 47 MA's), (Start: 154 @2154 has 46 MA's), (182, 2190), (Start: 222 @2271 has 4 MA's), (248, 2328), (253, 2340), (263, 2364), (266, 2370), (301, 2421), (305, 2439), (314, 2460), (324, 2496), (327, 2502), (345, 2526), (362, 2562), (414, 2652), (428, 2673), (442, 2700), (467, 2742), (473, 2748), (479, 2766), (501, 2814), (522, 2847), (546, 2901), (558, 2922), (575, 2952), (624, 2985), (635, 3003), (637, 3009), (645, 3033), (670, 3093), (675, 3105), (677, 3111), (697, 3150), (741, 3270), (767, 3312), (811, 3411), (812, 3414), (813, 3423), (835, 3474), (877, 3519), (924, 3570),

Gene: Strokeseat_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Strokeseat_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391,

2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: StrongArm_11 Start: 9382, Stop: 10824, Start Num: 158

Candidate Starts for StrongArm_11:

(109, 9316), (Start: 158 @9382 has 220 MA's), (263, 9580), (365, 9793), (482, 9988), (489, 10000), (545, 10099), (667, 10294), (682, 10333), (710, 10411), (712, 10417), (735, 10465), (739, 10477), (743, 10486), (785, 10576), (824, 10666), (845, 10699), (857, 10711),

Gene: Strosahl_15 Start: 8341, Stop: 9801, Start Num: 127

Candidate Starts for Strosahl_15:

(Start: 127 @8341 has 330 MA's), (182, 8401), (233, 8506), (264, 8572), (349, 8755), (365, 8788), (382, 8821), (534, 9052), (545, 9079), (549, 9085), (563, 9106), (574, 9127), (587, 9157), (605, 9181), (663, 9271), (675, 9301), (710, 9397), (721, 9424), (735, 9451), (741, 9469), (743, 9472), (757, 9505), (762, 9514), (812, 9631), (824, 9661), (867, 9715),

Gene: Studio_5 Start: 2590, Stop: 4074, Start Num: 123

Candidate Starts for Studio_5:

(Start: 123 @2590 has 47 MA's), (204, 2719), (224, 2740), (272, 2848), (326, 2965), (328, 2971), (452, 3154), (531, 3280), (532, 3283), (549, 3322), (574, 3364), (602, 3433), (614, 3442), (658, 3508), (666, 3526), (667, 3529), (687, 3583), (702, 3622), (735, 3700), (807, 3856), (811, 3868), (882, 3970), (929, 4054),

Gene: Stuu_3 Start: 2307, Stop: 3875, Start Num: 145

Candidate Starts for Stuu_3:

(Start: 145 @2307 has 30 MA's), (Start: 222 @2433 has 4 MA's), (324, 2658), (355, 2694), (363, 2703), (371, 2721), (421, 2796), (444, 2820), (495, 2925), (675, 3240), (682, 3258), (687, 3273), (689, 3276), (799, 3516), (913, 3690), (949, 3804),

Gene: SuMoo_3 Start: 2376, Stop: 3761, Start Num: 148

Candidate Starts for SuMoo_3:

(Start: 148 @2376 has 57 MA's), (Start: 222 @2496 has 4 MA's), (266, 2595), (314, 2685), (361, 2754), (414, 2838), (546, 3057), (583, 3132), (634, 3192), (689, 3333), (705, 3375), (789, 3558), (799, 3567), (803, 3576), (912, 3729),

Gene: Subaru_3 Start: 2266, Stop: 3642, Start Num: 148

Candidate Starts for Subaru_3:

(Start: 148 @2266 has 57 MA's), (Start: 222 @2386 has 4 MA's), (266, 2485), (421, 2749), (580, 3022), (675, 3181), (699, 3229), (705, 3259), (713, 3283), (799, 3457), (864, 3577),

Gene: Success_51 Start: 27373, Stop: 28797, Start Num: 136

Candidate Starts for Success_51:

(Start: 136 @27373 has 3 MA's), (218, 27505), (221, 27508), (255, 27586), (263, 27607), (273, 27628), (319, 27721), (365, 27802), (559, 28078), (569, 28093), (586, 28129), (630, 28192), (647, 28225), (663, 28267), (666, 28273), (669, 28282), (675, 28297), (688, 28336), (718, 28414), (735, 28447), (743, 28468), (793, 28570), (827, 28645), (842, 28672), (849, 28678),

Gene: Sudan_7 Start: 4182, Stop: 5615, Start Num: 155

Candidate Starts for Sudan_7:

(Start: 155 @4182 has 140 MA's), (Start: 222 @4299 has 4 MA's), (246, 4347), (249, 4359), (371, 4602), (432, 4689), (466, 4749), (477, 4767), (479, 4773), (534, 4872), (573, 4947), (579, 4965), (610,

5004), (629, 5040), (669, 5142), (735, 5304), (741, 5322), (773, 5379), (801, 5436), (812, 5469), (827, 5511), (882, 5577), (908, 5601),

Gene: Sue2_3 Start: 2267, Stop: 3634, Start Num: 148

Candidate Starts for Sue2_3:

(Start: 148 @2267 has 57 MA's), (215, 2378), (Start: 222 @2387 has 4 MA's), (266, 2486), (480, 2834), (580, 3023), (663, 3149), (705, 3257), (713, 3281), (778, 3416), (799, 3455), (803, 3464), (813, 3500), (821, 3515), (864, 3575),

Gene: Sujidade_8 Start: 4351, Stop: 5787, Start Num: 155

Candidate Starts for Sujidade_8:

(Start: 144 @4345 has 15 MA's), (Start: 155 @4351 has 140 MA's), (174, 4375), (188, 4399), (Start: 222 @4468 has 4 MA's), (246, 4516), (266, 4567), (361, 4750), (412, 4834), (444, 4876), (530, 5032), (534, 5044), (579, 5137), (629, 5215), (645, 5260), (669, 5317), (760, 5530), (773, 5554), (908, 5773),

Gene: Sukkupi_27 Start: 13681, Stop: 15303, Start Num: 84

Candidate Starts for Sukkupi_27:

(Start: 84 @13681 has 7 MA's), (Start: 121 @13726 has 32 MA's), (Start: 140 @13750 has 4 MA's), (Start: 148 @13759 has 57 MA's), (460, 14365), (496, 14410), (570, 14542), (581, 14572), (633, 14653), (667, 14749), (678, 14779), (684, 14794), (735, 14917), (738, 14926), (750, 14962), (759, 14986), (788, 15052), (799, 15070), (803, 15079), (818, 15124),

Gene: Sulley_9 Start: 3008, Stop: 4561, Start Num: 83

Candidate Starts for Sulley_9:

(22, 2597), (38, 2765), (44, 2879), (46, 2906), (Start: 75 @2993 has 32 MA's), (Start: 83 @3008 has 142 MA's), (175, 3110), (182, 3119), (186, 3128), (Start: 222 @3200 has 4 MA's), (248, 3257), (252, 3266), (266, 3299), (267, 3302), (281, 3317), (305, 3368), (314, 3389), (369, 3509), (414, 3584), (428, 3605), (444, 3635), (501, 3746), (522, 3779), (537, 3812), (546, 3833), (558, 3854), (575, 3884), (624, 3917), (635, 3935), (666, 4013), (670, 4025), (672, 4028), (676, 4040), (677, 4043), (699, 4079), (711, 4127), (735, 4178), (741, 4196), (787, 4292), (803, 4313), (812, 4340), (813, 4349), (828, 4385), (873, 4439),

Gene: Sultana_12 Start: 8579, Stop: 10030, Start Num: 124

Candidate Starts for Sultana_12:

(Start: 124 @8579 has 299 MA's), (233, 8738), (316, 8906), (324, 8936), (343, 8975), (352, 8993), (382, 9053), (476, 9182), (482, 9200), (545, 9311), (549, 9317), (563, 9338), (566, 9344), (599, 9413), (642, 9473), (663, 9518), (710, 9644), (711, 9647), (735, 9698), (737, 9704), (743, 9719), (757, 9749), (798, 9839), (812, 9875), (816, 9887), (824, 9905), (845, 9935),

Gene: SummitAcademy_4 Start: 2650, Stop: 4083, Start Num: 159

Candidate Starts for SummitAcademy_4:

(Start: 159 @2650 has 63 MA's), (184, 2674), (194, 2698), (255, 2818), (257, 2824), (276, 2860), (302, 2896), (306, 2914), (319, 2947), (326, 2971), (365, 3040), (382, 3073), (489, 3229), (525, 3280), (537, 3310), (549, 3334), (574, 3376), (602, 3445), (645, 3511), (674, 3583), (741, 3754), (762, 3787), (787, 3847), (798, 3868), (811, 3901), (835, 3961), (836, 3964), (923, 4075),

Gene: Sumter_11 Start: 8250, Stop: 9692, Start Num: 158

Candidate Starts for Sumter_11:

(109, 8184), (Start: 158 @8250 has 220 MA's), (263, 8448), (365, 8661), (482, 8856), (484, 8859), (489, 8868), (545, 8967), (667, 9162), (682, 9201), (710, 9279), (712, 9285), (735, 9333), (739, 9345), (743, 9354), (785, 9444), (824, 9534), (845, 9567), (857, 9579),

Gene: Sunflower1121_7 Start: 2861, Stop: 4411, Start Num: 83

Candidate Starts for Sunflower1121_7:

(44, 2729), (46, 2756), (Start: 75 @2846 has 32 MA's), (Start: 83 @2861 has 142 MA's), (116, 2891), (182, 2969), (Start: 222 @3050 has 4 MA's), (232, 3074), (252, 3116), (305, 3218), (314, 3239), (319, 3254), (327, 3281), (369, 3359), (388, 3398), (428, 3455), (467, 3524), (479, 3548), (495, 3584), (501, 3596), (522, 3629), (537, 3662), (546, 3683), (558, 3704), (575, 3734), (624, 3767), (635, 3785), (670, 3875), (672, 3878), (677, 3893), (699, 3929), (701, 3935), (711, 3977), (735, 4028), (741, 4046), (785, 4139), (787, 4142), (803, 4163), (811, 4187), (812, 4190), (813, 4199),

Gene: Sunhee_12 Start: 8309, Stop: 9775, Start Num: 127

Candidate Starts for Sunhee_12:

(Start: 127 @8309 has 330 MA's), (135, 8321), (182, 8369), (233, 8474), (352, 8729), (365, 8756), (484, 8936), (488, 8942), (534, 9017), (545, 9044), (549, 9050), (560, 9068), (563, 9071), (574, 9092), (587, 9122), (602, 9143), (624, 9161), (682, 9284), (720, 9386), (735, 9416), (741, 9434), (743, 9437), (749, 9452), (757, 9464), (762, 9473), (787, 9533), (812, 9590), (816, 9602), (824, 9620), (842, 9650),

Gene: SunkenRoot_9 Start: 4245, Stop: 5678, Start Num: 155

Candidate Starts for SunkenRoot_9:

(Start: 155 @4245 has 140 MA's), (Start: 222 @4362 has 4 MA's), (246, 4410), (249, 4422), (371, 4665), (432, 4752), (477, 4830), (479, 4836), (534, 4935), (573, 5010), (579, 5028), (610, 5067), (629, 5103), (669, 5205), (735, 5367), (741, 5385), (773, 5442), (827, 5574), (850, 5604), (908, 5664),

Gene: SunsetPointe_7 Start: 4080, Stop: 5522, Start Num: 155

Candidate Starts for SunsetPointe_7:

(Start: 142 @4071 has 1 MA's), (Start: 144 @4074 has 15 MA's), (Start: 155 @4080 has 140 MA's), (Start: 222 @4197 has 4 MA's), (246, 4245), (412, 4563), (444, 4605), (458, 4632), (477, 4665), (530, 4758), (534, 4770), (579, 4863), (629, 4941), (645, 4986), (669, 5043), (678, 5067), (773, 5280), (908, 5508),

Gene: Sunshine924_11 Start: 8233, Stop: 9675, Start Num: 158

Candidate Starts for Sunshine924_11:

(109, 8167), (Start: 158 @8233 has 220 MA's), (263, 8431), (365, 8644), (482, 8839), (545, 8950), (584, 9022), (667, 9145), (682, 9184), (710, 9262), (712, 9268), (735, 9316), (739, 9328), (743, 9337), (785, 9427), (824, 9517), (845, 9550), (857, 9562),

Gene: SuperAwesome_16 Start: 9274, Stop: 10737, Start Num: 127

Candidate Starts for SuperAwesome_16:

(Start: 127 @9274 has 330 MA's), (Start: 143 @9295 has 5 MA's), (182, 9334), (225, 9421), (230, 9433), (233, 9439), (365, 9721), (504, 9934), (534, 9985), (545, 10012), (549, 10018), (563, 10039), (743, 10405), (757, 10432), (762, 10441), (787, 10501), (812, 10558), (824, 10588), (842, 10618), (870, 10645),

Gene: SuperCallie99_16 Start: 9275, Stop: 10738, Start Num: 127

Candidate Starts for SuperCallie99_16:

(Start: 127 @9275 has 330 MA's), (Start: 143 @9296 has 5 MA's), (182, 9335), (225, 9422), (230, 9434), (233, 9440), (365, 9722), (504, 9935), (534, 9986), (545, 10013), (549, 10019), (563, 10040), (743, 10406), (757, 10433), (762, 10442), (787, 10502), (812, 10559), (824, 10589), (842, 10619), (870, 10646),

Gene: SuperGrey_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for SuperGrey_3:

(Start: 156 @2255 has 163 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (250, 2435), (252, 2438), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897),

(533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: SuperHands_3 Start: 2537, Stop: 3967, Start Num: 222

Candidate Starts for SuperHands_3:

(Start: 222 @2537 has 4 MA's), (266, 2636), (377, 2822), (546, 3095), (583, 3170), (634, 3230), (672, 3326), (687, 3368), (689, 3371), (705, 3413), (782, 3578), (789, 3596), (799, 3605),

Gene: SuperSulley_26 Start: 14757, Stop: 16334, Start Num: 121

Candidate Starts for SuperSulley_26:

(Start: 121 @14757 has 32 MA's), (Start: 124 @14763 has 299 MA's), (138, 14778), (Start: 140 @14781 has 4 MA's), (266, 15033), (305, 15111), (315, 15135), (416, 15336), (440, 15369), (460, 15396), (502, 15456), (577, 15591), (581, 15603), (633, 15684), (667, 15780), (684, 15825), (722, 15924), (735, 15948), (738, 15957), (759, 16017), (785, 16077), (791, 16089), (799, 16101), (803, 16110), (814, 16149),

Gene: Superchunk_12 Start: 7939, Stop: 9396, Start Num: 127

Candidate Starts for Superchunk_12:

(Start: 127 @7939 has 330 MA's), (182, 7999), (229, 8092), (233, 8104), (365, 8386), (534, 8647), (545, 8674), (549, 8680), (563, 8701), (682, 8914), (735, 9046), (741, 9064), (743, 9067), (757, 9094), (762, 9103), (802, 9190), (812, 9220), (824, 9250), (842, 9280), (867, 9304),

Gene: Supernova_3 Start: 1881, Stop: 3206, Start Num: 154

Candidate Starts for Supernova_3:

(Start: 154 @1881 has 46 MA's), (164, 1896), (181, 1914), (191, 1935), (216, 1986), (224, 1995), (225, 2001), (233, 2019), (242, 2028), (246, 2037), (247, 2040), (255, 2061), (258, 2070), (301, 2130), (322, 2196), (324, 2205), (337, 2235), (385, 2313), (387, 2316), (405, 2340), (426, 2358), (434, 2370), (468, 2415), (479, 2433), (480, 2436), (488, 2451), (489, 2454), (498, 2463), (545, 2553), (552, 2565), (577, 2610), (602, 2652), (614, 2661), (649, 2703), (654, 2718), (667, 2748), (669, 2754), (670, 2757), (674, 2766), (702, 2841), (710, 2865), (730, 2910), (762, 2979), (767, 2985), (785, 3036), (791, 3048), (808, 3084), (809, 3087), (811, 3093), (812, 3096), (813, 3102), (818, 3111), (824, 3126), (825, 3129), (839, 3159),

Gene: Superstar_9 Start: 4995, Stop: 6473, Start Num: 155

Candidate Starts for Superstar_9:

(Start: 155 @4995 has 140 MA's), (Start: 222 @5112 has 4 MA's), (249, 5172), (266, 5211), (305, 5304), (444, 5517), (458, 5544), (527, 5664), (530, 5670), (534, 5682), (573, 5757), (579, 5775), (583, 5787), (585, 5793), (645, 5940), (669, 5997), (687, 6045), (741, 6177), (773, 6234), (808, 6312), (812, 6324), (827, 6366), (908, 6459),

Gene: Survivors_7 Start: 3540, Stop: 4985, Start Num: 159

Candidate Starts for Survivors_7:

(Start: 159 @3540 has 63 MA's), (Start: 179 @3552 has 2 MA's), (182, 3558), (199, 3600), (214, 3630), (255, 3708), (301, 3777), (365, 3924), (471, 4083), (488, 4113), (496, 4122), (537, 4197), (549, 4221), (552, 4227), (598, 4323), (614, 4341), (633, 4371), (649, 4407), (674, 4470), (695, 4515), (725, 4605), (734, 4620), (738, 4632), (741, 4641), (757, 4665), (787, 4734), (807, 4776), (811, 4788), (812, 4791), (844, 4857), (850, 4863),

Gene: SwagPigglett_3 Start: 2241, Stop: 3611, Start Num: 156

Candidate Starts for SwagPigglett_3:

(Start: 156 @2241 has 163 MA's), (Start: 180 @2277 has 9 MA's), (Start: 193 @2301 has 1 MA's), (196, 2310), (198, 2316), (199, 2319), (Start: 222 @2358 has 4 MA's), (252, 2424), (253, 2427), (290,

2496), (305, 2535), (309, 2544), (324, 2592), (365, 2652), (391, 2700), (423, 2745), (465, 2790), (490, 2817), (514, 2862), (532, 2883), (533, 2886), (534, 2889), (541, 2910), (546, 2919), (575, 2970), (576, 2973), (579, 2982), (592, 3012), (603, 3033), (641, 3102), (646, 3111), (662, 3162), (664, 3165), (686, 3225), (688, 3231), (718, 3309), (735, 3342), (739, 3354), (754, 3393), (769, 3417), (833, 3579),

Gene: Swann_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for Swann_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: SweatNTears_7 Start: 3313, Stop: 4767, Start Num: 159

Candidate Starts for SweatNTears_7:

(Start: 159 @3313 has 63 MA's), (184, 3337), (242, 3451), (246, 3460), (320, 3616), (322, 3625), (365, 3706), (466, 3853), (489, 3895), (537, 3976), (545, 3994), (549, 4000), (601, 4108), (663, 4228), (674, 4255), (687, 4291), (730, 4399), (739, 4420), (800, 4543), (811, 4573), (835, 4633), (836, 4636), (923, 4744),

Gene: SweetiePie_13 Start: 9170, Stop: 10633, Start Num: 127

Candidate Starts for SweetiePie_13:

(Start: 127 @9170 has 330 MA's), (182, 9230), (233, 9335), (324, 9533), (365, 9617), (382, 9650), (466, 9761), (534, 9878), (545, 9905), (549, 9911), (563, 9932), (566, 9938), (587, 9983), (667, 10106), (735, 10277), (741, 10295), (743, 10298), (757, 10325), (762, 10334), (812, 10451), (824, 10481), (842, 10511),

Gene: Sweets_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Sweets_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: SwirlSquare_14 Start: 8071, Stop: 9528, Start Num: 127

Candidate Starts for SwirlSquare_14:

(Start: 127 @8071 has 330 MA's), (182, 8131), (233, 8236), (355, 8500), (365, 8518), (489, 8707), (534, 8779), (545, 8806), (549, 8812), (563, 8833), (682, 9046), (735, 9178), (741, 9196), (743, 9199), (757, 9226), (762, 9235), (802, 9322), (812, 9352), (824, 9382), (842, 9412), (867, 9436),

Gene: Swirley_10 Start: 7909, Stop: 9342, Start Num: 127

Candidate Starts for Swirley_10:

(Start: 127 @7909 has 330 MA's), (241, 8065), (247, 8077), (252, 8092), (255, 8098), (329, 8266), (343, 8293), (382, 8371), (449, 8452), (488, 8524), (489, 8527), (534, 8599), (549, 8632), (563, 8653), (573, 8671), (577, 8683), (605, 8728), (710, 8944), (735, 8998), (741, 9016), (762, 9055), (812, 9172), (824, 9202), (842, 9232), (867, 9256),

Gene: SwissCheese_12 Start: 8695, Stop: 10137, Start Num: 158

Candidate Starts for SwissCheese_12:

(109, 8629), (Start: 158 @8695 has 220 MA's), (263, 8893), (365, 9106), (482, 9301), (489, 9313), (545, 9412), (584, 9484), (667, 9607), (682, 9646), (710, 9724), (712, 9730), (735, 9778), (739, 9790), (743, 9799), (785, 9889), (824, 9979), (845, 10012), (857, 10024),

Gene: Switzer_13 Start: 8618, Stop: 10060, Start Num: 158

Candidate Starts for Switzer_13:

(109, 8552), (Start: 158 @8618 has 220 MA's), (263, 8816), (365, 9029), (482, 9224), (484, 9227), (545, 9335), (667, 9530), (682, 9569), (710, 9647), (712, 9653), (735, 9701), (739, 9713), (743, 9722), (785, 9812), (824, 9902), (845, 9935), (857, 9947),

Gene: Switzerland_15 Start: 8502, Stop: 9962, Start Num: 127

Candidate Starts for Switzerland_15:

(Start: 127 @8502 has 330 MA's), (182, 8562), (233, 8667), (264, 8733), (349, 8916), (365, 8949), (382, 8982), (534, 9213), (545, 9240), (549, 9246), (563, 9267), (574, 9288), (587, 9318), (605, 9342), (663, 9432), (675, 9462), (710, 9558), (721, 9585), (735, 9612), (741, 9630), (743, 9633), (757, 9666), (762, 9675), (812, 9792), (824, 9822), (867, 9876),

Gene: Swole_14 Start: 9164, Stop: 10606, Start Num: 158

Candidate Starts for Swole_14:

(109, 9098), (Start: 158 @9164 has 220 MA's), (263, 9362), (365, 9575), (482, 9770), (489, 9782), (545, 9881), (584, 9953), (667, 10076), (682, 10115), (710, 10193), (712, 10199), (735, 10247), (739, 10259), (743, 10268), (785, 10358), (824, 10448), (845, 10481), (857, 10493),

Gene: SydNat_10 Start: 8016, Stop: 9449, Start Num: 127

Candidate Starts for SydNat_10:

(Start: 127 @8016 has 330 MA's), (229, 8151), (247, 8184), (252, 8199), (255, 8205), (266, 8232), (329, 8373), (343, 8400), (382, 8478), (449, 8559), (482, 8622), (484, 8625), (488, 8631), (489, 8634), (534, 8706), (549, 8739), (563, 8760), (577, 8790), (710, 9051), (735, 9105), (741, 9123), (762, 9162), (812, 9279), (824, 9309), (857, 9354), (867, 9363),

Gene: Syleon_14 Start: 6515, Stop: 8011, Start Num: 102

Candidate Starts for Syleon_14:

(Start: 102 @6515 has 24 MA's), (133, 6557), (135, 6560), (Start: 160 @6590 has 1 MA's), (174, 6608), (182, 6626), (263, 6797), (301, 6857), (305, 6875), (363, 6983), (367, 6992), (374, 7007), (380, 7016), (408, 7058), (481, 7154), (512, 7214), (517, 7220), (555, 7298), (620, 7388), (634, 7409), (686, 7535), (687, 7538), (702, 7574), (713, 7607), (735, 7652), (737, 7658), (758, 7700), (760, 7703), (767, 7712), (773, 7727), (785, 7763), (789, 7772), (794, 7778), (801, 7784), (808, 7805), (811, 7814), (829, 7865), (840, 7880), (846, 7886), (860, 7901),

Gene: Syra333_8 Start: 2966, Stop: 4513, Start Num: 83

Candidate Starts for Syra333_8:

(44, 2834), (46, 2861), (Start: 75 @2951 has 32 MA's), (Start: 83 @2966 has 142 MA's), (116, 2996), (182, 3071), (Start: 222 @3152 has 4 MA's), (232, 3176), (252, 3218), (305, 3320), (314, 3341), (319, 3356), (327, 3383), (343, 3404), (369, 3461), (388, 3500), (428, 3557), (467, 3626), (479, 3650), (495, 3686), (501, 3698), (522, 3731), (537, 3764), (546, 3785), (558, 3806), (575, 3836), (624, 3869), (635, 3887), (670, 3977), (672, 3980), (677, 3995), (699, 4031), (701, 4037), (702, 4052), (711, 4079), (735, 4130), (741, 4148), (785, 4241), (787, 4244), (803, 4265), (811, 4289), (812, 4292), (813, 4301),

Gene: TBond007_8 Start: 2673, Stop: 4238, Start Num: 83

Candidate Starts for TBond007_8:

(58, 2640), (Start: 83 @2673 has 142 MA's), (175, 2778), (182, 2787), (189, 2802), (232, 2892), (248, 2925), (253, 2937), (266, 2967), (305, 3036), (314, 3057), (319, 3072), (327, 3099), (356, 3150), (362, 3159), (369, 3174), (388, 3213), (414, 3249), (423, 3264), (428, 3270), (433, 3279), (441, 3294), (473, 3345), (501, 3411), (522, 3444), (527, 3450), (537, 3477), (546, 3498), (558, 3519), (624, 3582), (635, 3600), (666, 3678), (670, 3690), (672, 3693), (677, 3708), (709, 3789), (711, 3795), (734, 3843), (741, 3864), (803, 3981), (812, 4008), (813, 4017), (828, 4053),

Gene: TChen_3 Start: 2233, Stop: 3708, Start Num: 110

Candidate Starts for TChen_3:

(Start: 110 @2233 has 11 MA's), (119, 2245), (135, 2266), (Start: 154 @2287 has 46 MA's), (240, 2434), (246, 2446), (253, 2467), (255, 2470), (298, 2530), (305, 2557), (308, 2563), (316, 2584), (348, 2656), (352, 2659), (353, 2662), (355, 2668), (368, 2692), (378, 2710), (407, 2752), (423, 2764), (425, 2767), (447, 2800), (459, 2824), (466, 2830), (484, 2863), (488, 2869), (514, 2905), (531, 2935), (532, 2938), (534, 2944), (542, 2968), (549, 2977), (575, 3022), (583, 3040), (587, 3049), (628, 3112), (637, 3133), (647, 3160), (667, 3211), (675, 3232), (687, 3265), (695, 3274), (709, 3325), (710, 3328), (725, 3364), (739, 3394), (740, 3397), (752, 3427), (767, 3445), (798, 3520), (807, 3541), (824, 3586), (862, 3634),

Gene: TClif_8 Start: 2886, Stop: 4448, Start Num: 75

Candidate Starts for TClif_8:

(Start: 75 @2886 has 32 MA's), (Start: 83 @2901 has 142 MA's), (Start: 154 @2976 has 46 MA's), (182, 3012), (Start: 222 @3093 has 4 MA's), (232, 3117), (248, 3150), (252, 3159), (305, 3261), (314, 3282), (319, 3297), (324, 3318), (327, 3324), (347, 3354), (369, 3402), (414, 3477), (428, 3498), (467, 3567), (479, 3591), (495, 3627), (501, 3639), (522, 3672), (527, 3678), (534, 3696), (546, 3726), (558, 3747), (575, 3777), (624, 3810), (635, 3828), (666, 3906), (670, 3918), (672, 3921), (677, 3936), (699, 3972), (701, 3978), (735, 4071), (741, 4089), (785, 4182), (803, 4206), (812, 4233), (813, 4242), (877, 4338),

Gene: TDanisky_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for TDanisky_3:

(Start: 156 @2256 has 163 MA's), (Start: 180 @2292 has 9 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (252, 2439), (253, 2442), (290, 2511), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (684, 3234), (686, 3240), (687, 3243), (688, 3246), (710, 3303), (735, 3357), (739, 3369), (751, 3402), (754, 3408), (769, 3432), (826, 3576), (833, 3594),

Gene: TM4_5 Start: 2101, Stop: 3606, Start Num: 81

Candidate Starts for TM4_5:

(Start: 81 @2101 has 28 MA's), (98, 2119), (Start: 123 @2146 has 47 MA's), (Start: 154 @2167 has 46 MA's), (172, 2191), (182, 2203), (Start: 222 @2284 has 4 MA's), (248, 2341), (253, 2353), (263, 2377), (266, 2383), (301, 2434), (305, 2452), (314, 2473), (324, 2509), (327, 2515), (345, 2539), (362, 2575), (414, 2665), (428, 2686), (442, 2713), (467, 2755), (473, 2761), (479, 2779), (501, 2827), (522, 2860), (546, 2914), (558, 2935), (575, 2965), (624, 2998), (635, 3016), (637, 3022), (645, 3046), (670, 3106), (675, 3118), (677, 3124), (697, 3163), (741, 3283), (767, 3325), (811, 3424), (812, 3427), (813, 3436), (835, 3487), (877, 3532), (924, 3583),

Gene: TMaxx_5 Start: 2730, Stop: 4205, Start Num: 126

Candidate Starts for TMaxx_5:

(Start: 126 @2730 has 23 MA's), (204, 2853), (224, 2874), (328, 3105), (525, 3402), (532, 3417), (549, 3456), (602, 3567), (658, 3642), (666, 3660), (667, 3663), (702, 3756), (735, 3834), (800, 3972), (811, 4002), (818, 4020), (845, 4074), (929, 4188),

Gene: TNguyen7_12 Start: 8163, Stop: 9629, Start Num: 127

Candidate Starts for TNguyen7_12:

(Start: 127 @8163 has 330 MA's), (233, 8334), (273, 8418), (308, 8481), (320, 8514), (324, 8532), (343, 8571), (355, 8598), (381, 8646), (480, 8787), (484, 8796), (534, 8877), (542, 8901), (545, 8904), (549, 8910), (560, 8928), (563, 8931), (566, 8937), (663, 9108), (710, 9234), (711, 9237), (735, 9288), (737, 9294), (743, 9309), (757, 9339), (812, 9465), (824, 9495), (845, 9525),

Gene: TPA4_3 Start: 2235, Stop: 3725, Start Num: 110

Candidate Starts for TPA4_3:

(47, 2079), (53, 2139), (Start: 110 @2235 has 11 MA's), (192, 2346), (246, 2451), (294, 2529), (302, 2547), (305, 2562), (348, 2661), (353, 2667), (468, 2841), (484, 2871), (488, 2877), (496, 2886), (549, 2985), (583, 3048), (587, 3057), (682, 3258), (725, 3372), (730, 3381), (752, 3435), (767, 3453), (787, 3507),

Gene: TWAMP_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for TWAMP_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Tachez_9 Start: 2992, Stop: 4545, Start Num: 83

Candidate Starts for Tachez_9:

(46, 2890), (Start: 75 @2977 has 32 MA's), (Start: 83 @2992 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (252, 3250), (305, 3352), (314, 3373), (326, 3412), (327, 3415), (362, 3478), (369, 3493), (380, 3517), (414, 3568), (428, 3589), (458, 3643), (522, 3763), (537, 3796), (546, 3817), (558, 3838), (575, 3868), (624, 3901), (635, 3919), (659, 3979), (666, 3997), (670, 4009), (672, 4012), (676, 4024), (677, 4027), (699, 4063), (711, 4111), (735, 4162), (741, 4180), (787, 4276), (803, 4297), (812, 4324), (813, 4333), (828, 4369),

Gene: TagePhighter_8 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for TagePhighter_8:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (412, 4538), (444, 4580), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (882, 5456), (908, 5477),

Gene: Taheera_3 Start: 1892, Stop: 3412, Start Num: 105

Candidate Starts for Taheera_3:

(14, 1325), (18, 1424), (23, 1460), (24, 1493), (26, 1508), (39, 1637), (Start: 105 @1892 has 79 MA's), (Start: 154 @1943 has 46 MA's), (161, 1955), (164, 1958), (246, 2099), (270, 2162), (315, 2246), (316, 2249), (362, 2339), (382, 2378), (532, 2597), (549, 2636), (591, 2723), (614, 2756), (649, 2813), (673, 2873), (674, 2876), (735, 3032), (811, 3209), (825, 3245), (839, 3272), (862, 3290),

Gene: Tailonex_10 Start: 8353, Stop: 9759, Start Num: 135

Candidate Starts for Tailonex_10:

(135, 8353), (252, 8536), (342, 8737), (354, 8764), (436, 8884), (488, 8968), (496, 8977), (508, 8995), (542, 9067), (545, 9070), (563, 9097), (650, 9220), (667, 9262), (677, 9289), (715, 9394), (735, 9433), (743, 9454), (762, 9487), (768, 9496), (824, 9634), (836, 9661),

Gene: TaiwanKao_9 Start: 2998, Stop: 4551, Start Num: 83

Candidate Starts for TaiwanKao_9:

(38, 2755), (46, 2896), (Start: 75 @2983 has 32 MA's), (Start: 83 @2998 has 142 MA's), (175, 3097), (182, 3106), (Start: 222 @3187 has 4 MA's), (232, 3211), (248, 3244), (266, 3286), (305, 3355), (314, 3376), (326, 3415), (362, 3484), (369, 3499), (414, 3574), (428, 3595), (458, 3649), (522, 3769), (537, 3802), (546, 3823), (558, 3844), (575, 3874), (624, 3907), (635, 3925), (666, 4003), (670, 4015), (672, 4018), (676, 4030), (677, 4033), (699, 4069), (711, 4117), (741, 4186), (787, 4282), (803, 4303), (812, 4330), (813, 4339), (828, 4375), (873, 4429),

Gene: Taj_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Taj_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Takoda_9 Start: 4827, Stop: 6257, Start Num: 124

Candidate Starts for Takoda_9:

(Start: 124 @4827 has 299 MA's), (247, 5004), (255, 5025), (266, 5052), (273, 5067), (349, 5229), (355, 5244), (449, 5373), (488, 5445), (538, 5532), (541, 5541), (545, 5547), (574, 5595), (624, 5664), (630, 5673), (667, 5748), (670, 5757), (721, 5892), (741, 5937), (743, 5940), (787, 6033), (812, 6090), (824, 6120), (836, 6147), (848, 6159), (854, 6165),

Gene: Tallboi_3 Start: 2284, Stop: 3660, Start Num: 148

Candidate Starts for Tallboi_3:

(Start: 148 @2284 has 57 MA's), (Start: 222 @2404 has 4 MA's), (266, 2503), (328, 2638), (421, 2767), (580, 3040), (675, 3199), (699, 3247), (705, 3277), (713, 3301), (799, 3475), (864, 3595),

Gene: Taquarus_12 Start: 8581, Stop: 10032, Start Num: 124

Candidate Starts for Taquarus_12:

(Start: 124 @8581 has 299 MA's), (229, 8728), (233, 8740), (316, 8908), (324, 8938), (343, 8977), (352, 8995), (382, 9055), (476, 9184), (482, 9202), (489, 9214), (545, 9313), (549, 9319), (563, 9340), (566, 9346), (599, 9415), (642, 9475), (663, 9520), (710, 9646), (711, 9649), (735, 9700), (743, 9721), (757, 9751), (798, 9841), (812, 9877), (824, 9907), (845, 9937),

Gene: Taquito_8 Start: 3533, Stop: 5119, Start Num: 81

Candidate Starts for Taquito_8:

(Start: 75 @3518 has 32 MA's), (Start: 81 @3533 has 28 MA's), (Start: 101 @3557 has 1 MA's), (Start: 154 @3623 has 46 MA's), (186, 3668), (248, 3797), (252, 3806), (253, 3809), (266, 3839), (305, 3908), (314, 3929), (324, 3965), (327, 3971), (345, 3995), (362, 4031), (369, 4046), (388, 4085), (476, 4220), (479, 4229), (488, 4247), (500, 4274), (501, 4277), (522, 4310), (537, 4343), (546, 4364), (558, 4385), (624, 4448), (637, 4472), (645, 4496), (666, 4544), (670, 4556), (675, 4568), (677, 4574), (697, 4613), (739, 4727), (741, 4733), (803, 4904), (812, 4931), (813, 4940), (845, 5003), (857, 5015),

Gene: Target_14 Start: 9457, Stop: 10923, Start Num: 127

Candidate Starts for Target_14:

(Start: 127 @9457 has 330 MA's), (233, 9607), (329, 9847), (355, 9901), (370, 9931), (382, 9952), (449, 10033), (482, 10096), (545, 10207), (549, 10213), (563, 10234), (605, 10309), (624, 10324), (687, 10465), (735, 10582), (741, 10600), (762, 10639), (812, 10756), (824, 10786), (829, 10798),

Gene: Tarnish_5 Start: 2949, Stop: 4382, Start Num: 159

Candidate Starts for Tarnish_5:

(Start: 159 @2949 has 63 MA's), (184, 2973), (194, 2997), (255, 3117), (257, 3123), (276, 3159), (302, 3195), (306, 3213), (319, 3246), (326, 3270), (365, 3339), (382, 3372), (489, 3528), (525, 3579), (537, 3609), (549, 3633), (574, 3675), (602, 3744), (645, 3810), (674, 3882), (741, 4053), (762, 4086), (787, 4146), (798, 4167), (811, 4200), (835, 4260), (836, 4263), (923, 4374),

Gene: TarsusIV_13 Start: 9241, Stop: 10716, Start Num: 127

Candidate Starts for TarsusIV_13:

(Start: 127 @9241 has 330 MA's), (182, 9301), (233, 9406), (365, 9688), (382, 9721), (534, 9949), (545, 9976), (549, 9982), (563, 10003), (566, 10009), (587, 10054), (682, 10216), (735, 10348), (741, 10366), (743, 10369), (757, 10396), (762, 10405), (812, 10522), (824, 10552), (842, 10582), (867, 10606), (937, 10693),

Gene: Tarynearal_9 Start: 7936, Stop: 9369, Start Num: 127

Candidate Starts for Tarynearal_9:

(Start: 127 @7936 has 330 MA's), (241, 8092), (247, 8104), (252, 8119), (255, 8125), (329, 8293), (343, 8320), (382, 8398), (449, 8479), (488, 8551), (489, 8554), (534, 8626), (549, 8659), (563, 8680), (573, 8698), (577, 8710), (605, 8755), (710, 8971), (735, 9025), (741, 9043), (762, 9082), (812, 9199), (824, 9229), (842, 9259), (867, 9283),

Gene: Tasp14_13 Start: 8935, Stop: 10377, Start Num: 158

Candidate Starts for Tasp14_13:

(109, 8869), (Start: 158 @8935 has 220 MA's), (263, 9133), (365, 9346), (482, 9541), (489, 9553), (545, 9652), (667, 9847), (682, 9886), (710, 9964), (712, 9970), (735, 10018), (739, 10030), (743, 10039), (785, 10129), (824, 10219), (845, 10252), (857, 10264),

Gene: Taurus_14 Start: 8652, Stop: 10106, Start Num: 124

Candidate Starts for Taurus_14:

(Start: 124 @8652 has 299 MA's), (Start: 157 @8682 has 14 MA's), (182, 8709), (233, 8814), (298, 8928), (320, 8994), (343, 9051), (382, 9129), (384, 9132), (482, 9273), (545, 9384), (549, 9390), (563, 9411), (663, 9576), (710, 9702), (735, 9756), (737, 9762), (743, 9777), (762, 9813), (802, 9900), (812, 9930), (824, 9960), (857, 10005), (867, 10014),

Gene: Tbone_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Tbone_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Tchotchke_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Tchotchke_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: Teejan_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Teejan_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Tefunt_7 Start: 3857, Stop: 5332, Start Num: 155

Candidate Starts for Tefunt_7:

(Start: 155 @3857 has 140 MA's), (Start: 222 @3974 has 4 MA's), (266, 4073), (305, 4166), (477, 4439), (534, 4544), (573, 4619), (579, 4637), (583, 4649), (585, 4655), (645, 4802), (667, 4853), (669, 4859), (687, 4907), (741, 5039), (773, 5096), (812, 5186), (908, 5318),

Gene: Temprado_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Temprado_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Teodoridan_10 Start: 8066, Stop: 9508, Start Num: 158

Candidate Starts for Teodoridan_10:

(109, 8000), (Start: 158 @8066 has 220 MA's), (263, 8264), (365, 8477), (482, 8672), (489, 8684), (545, 8783), (584, 8855), (667, 8978), (682, 9017), (710, 9095), (712, 9101), (735, 9149), (739, 9161), (743, 9170), (785, 9260), (824, 9350), (845, 9383), (857, 9395),

Gene: Terrific_17 Start: 9722, Stop: 11182, Start Num: 127

Candidate Starts for Terrific_17:

(Start: 127 @9722 has 330 MA's), (182, 9782), (229, 9875), (233, 9887), (365, 10169), (382, 10202), (484, 10349), (489, 10358), (534, 10430), (545, 10457), (549, 10463), (563, 10484), (687, 10712), (735, 10829), (743, 10850), (757, 10877), (762, 10886), (812, 11003), (824, 11033), (842, 11063), (867, 11087),

Gene: Terror_3 Start: 1892, Stop: 3412, Start Num: 105

Candidate Starts for Terror_3:

(14, 1325), (18, 1424), (23, 1460), (24, 1493), (26, 1508), (39, 1637), (Start: 105 @1892 has 79 MA's), (Start: 154 @1943 has 46 MA's), (161, 1955), (164, 1958), (246, 2099), (270, 2162), (315, 2246), (316, 2249), (362, 2339), (382, 2378), (532, 2597), (549, 2636), (591, 2723), (614, 2756), (649, 2813), (673, 2873), (674, 2876), (735, 3032), (811, 3209), (825, 3245), (839, 3272), (862, 3290),

Gene: Tesla_35 Start: 12482, Stop: 14047, Start Num: 76

Candidate Starts for Tesla_35:

(Start: 76 @12482 has 19 MA's), (165, 12599), (231, 12719), (255, 12764), (258, 12773), (308, 12863), (323, 12911), (324, 12914), (353, 12956), (355, 12959), (368, 12983), (423, 13055), (425, 13058), (450, 13097), (460, 13118), (462, 13121), (488, 13166), (539, 13256), (542, 13265), (549, 13274), (574, 13316), (575, 13319), (592, 13358), (619, 13400), (625, 13406), (628, 13409), (647, 13454), (674, 13523), (710, 13622), (714, 13634), (763, 13733), (789, 13799), (802, 13820), (807, 13835), (856, 13928), (870, 13943),

Gene: Texage_12 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Texage_12:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: TforTroy_3 Start: 2278, Stop: 3813, Start Num: 145

Candidate Starts for TforTroy_3:

(Start: 145 @2278 has 30 MA's), (Start: 222 @2398 has 4 MA's), (266, 2497), (421, 2761), (580, 3031), (675, 3190), (699, 3238), (705, 3268), (713, 3292), (799, 3466), (813, 3511), (857, 3577), (924, 3676), (935, 3700),

Gene: Thanksgivukkah_12 Start: 8583, Stop: 10034, Start Num: 124

Candidate Starts for Thanksgivukkah_12:

(Start: 124 @8583 has 299 MA's), (229, 8730), (233, 8742), (316, 8910), (324, 8940), (343, 8979), (352, 8997), (382, 9057), (476, 9186), (482, 9204), (489, 9216), (545, 9315), (549, 9321), (563, 9342), (566, 9348), (599, 9417), (642, 9477), (663, 9522), (710, 9648), (711, 9651), (735, 9702), (743, 9723), (757, 9753), (798, 9843), (812, 9879), (824, 9909), (845, 9939),

Gene: ThayneTheZag_4 Start: 2272, Stop: 3609, Start Num: 155

Candidate Starts for ThayneTheZag_4:

(Start: 140 @2260 has 4 MA's), (Start: 155 @2272 has 140 MA's), (224, 2383), (229, 2395), (301, 2536), (324, 2611), (353, 2653), (365, 2677), (418, 2758), (460, 2818), (484, 2863), (498, 2881), (538, 2953), (541, 2962), (549, 2974), (551, 2977), (565, 3001), (585, 3043), (667, 3169), (670, 3178), (709, 3283), (713, 3295), (734, 3337), (737, 3346), (778, 3430), (824, 3535), (825, 3538), (828, 3544), (877, 3595),

Gene: Theia_9 Start: 7875, Stop: 9308, Start Num: 127

Candidate Starts for Theia_9:

(Start: 127 @7875 has 330 MA's), (229, 8010), (247, 8043), (252, 8058), (255, 8064), (329, 8232), (343, 8259), (382, 8337), (449, 8418), (488, 8490), (489, 8493), (534, 8565), (549, 8598), (563, 8619), (577, 8649), (584, 8664), (605, 8694), (710, 8910), (735, 8964), (741, 8982), (762, 9021), (812, 9138), (824, 9168), (842, 9198), (867, 9222),

Gene: TheloniousMonk_14 Start: 9678, Stop: 11120, Start Num: 158

Candidate Starts for TheloniousMonk_14:

(109, 9612), (Start: 158 @9678 has 220 MA's), (263, 9876), (365, 10089), (482, 10284), (489, 10296), (545, 10395), (584, 10467), (667, 10590), (682, 10629), (710, 10707), (712, 10713), (735, 10761), (739, 10773), (743, 10782), (785, 10872), (824, 10962), (845, 10995), (857, 11007),

Gene: Thestral_8 Start: 3928, Stop: 5409, Start Num: 155

Candidate Starts for Thestral_8:

(Start: 155 @3928 has 140 MA's), (Start: 222 @4045 has 4 MA's), (246, 4093), (249, 4105), (266, 4144), (305, 4237), (314, 4258), (444, 4450), (458, 4477), (534, 4615), (573, 4690), (579, 4708), (585, 4726), (589, 4735), (638, 4852), (645, 4873), (669, 4930), (687, 4978), (741, 5110), (773, 5167), (812, 5257), (813, 5266), (908, 5395),

Gene: ThetaBob_3 Start: 2233, Stop: 3708, Start Num: 110

Candidate Starts for ThetaBob_3:

(Start: 110 @2233 has 11 MA's), (119, 2245), (135, 2266), (Start: 154 @2287 has 46 MA's), (240, 2434), (246, 2446), (253, 2467), (255, 2470), (298, 2530), (305, 2557), (308, 2563), (316, 2584), (348, 2656), (352, 2659), (353, 2662), (355, 2668), (368, 2692), (378, 2710), (407, 2752), (421, 2761), (425, 2767), (447, 2800), (459, 2824), (466, 2830), (484, 2863), (488, 2869), (514, 2905), (531, 2935), (532, 2938), (534, 2944), (549, 2977), (575, 3022), (583, 3040), (587, 3049), (628, 3112), (637, 3133), (647, 3160), (667, 3211), (675, 3232), (687, 3265), (695, 3274), (709, 3325), (710, 3328), (725, 3364), (739, 3394), (740, 3397), (752, 3427), (767, 3445), (798, 3520), (807, 3541), (824, 3586), (862, 3634),

Gene: Thor_12 Start: 8518, Stop: 9960, Start Num: 158

Candidate Starts for Thor_12:

(109, 8452), (Start: 158 @8518 has 220 MA's), (263, 8716), (365, 8929), (482, 9124), (489, 9136), (545, 9235), (667, 9430), (682, 9469), (710, 9547), (712, 9553), (735, 9601), (739, 9613), (743, 9622), (762, 9655), (785, 9712), (824, 9802), (845, 9835), (857, 9847),

Gene: ThursdayNight_3 Start: 2320, Stop: 3858, Start Num: 148

Candidate Starts for ThursdayNight_3:

(Start: 148 @2320 has 57 MA's), (Start: 222 @2446 has 4 MA's), (421, 2809), (659, 3196), (675, 3238), (699, 3286), (705, 3316), (799, 3514), (924, 3721), (935, 3745), (948, 3811),

Gene: Thyatira_7 Start: 2766, Stop: 4301, Start Num: 83

Candidate Starts for Thyatira_7:

(Start: 83 @2766 has 142 MA's), (Start: 154 @2838 has 46 MA's), (182, 2874), (186, 2883), (201, 2928), (248, 3012), (253, 3024), (266, 3054), (281, 3072), (305, 3123), (319, 3159), (327, 3186), (356, 3237), (359, 3240), (362, 3246), (369, 3261), (370, 3264), (414, 3336), (428, 3357), (444, 3387), (473, 3432), (495, 3486), (522, 3531), (537, 3564), (555, 3600), (557, 3603), (558, 3606), (624, 3669), (635, 3687), (637, 3693), (666, 3765), (670, 3777), (672, 3780), (677, 3795), (701, 3840), (702, 3855), (709, 3876), (734, 3930), (735, 3933), (741, 3951), (749, 3966), (780, 4032), (787, 4047), (803, 4068), (809, 4086), (813, 4104), (828, 4140), (899, 4227),

Gene: Tian_3 Start: 2278, Stop: 3657, Start Num: 148

Candidate Starts for Tian_3:

(1, 1264), (2, 1399), (6, 1504), (10, 1522), (25, 1837), (40, 1978), (Start: 148 @2278 has 57 MA's), (196, 2350), (Start: 222 @2398 has 4 MA's), (266, 2497), (421, 2761), (484, 2854), (580, 3034), (675, 3190), (699, 3238), (705, 3268), (713, 3292), (799, 3466), (864, 3586),

Gene: Tierra_8 Start: 2956, Stop: 4503, Start Num: 83

Candidate Starts for Tierra_8:

(44, 2824), (46, 2851), (Start: 75 @2941 has 32 MA's), (Start: 83 @2956 has 142 MA's), (182, 3064), (Start: 222 @3145 has 4 MA's), (232, 3169), (252, 3211), (266, 3244), (305, 3313), (314, 3334), (319, 3349), (327, 3376), (428, 3550), (454, 3595), (479, 3643), (501, 3691), (522, 3724), (537, 3757), (546, 3778), (558, 3799), (575, 3829), (624, 3862), (635, 3880), (670, 3970), (677, 3988), (699, 4024), (701, 4030), (711, 4072), (735, 4123), (741, 4141), (780, 4222), (785, 4234), (787, 4237), (803, 4258), (811, 4282), (812, 4285), (813, 4294),

Gene: Tiff81_4 Start: 2263, Stop: 3600, Start Num: 155

Candidate Starts for Tiff81_4:

(68, 2143), (Start: 69 @2146 has 1 MA's), (89, 2185), (92, 2188), (Start: 102 @2200 has 24 MA's), (Start: 129 @2236 has 6 MA's), (Start: 140 @2251 has 4 MA's), (Start: 155 @2263 has 140 MA's), (188, 2305), (190, 2311), (224, 2374), (229, 2386), (353, 2644), (382, 2701), (418, 2749), (435, 2770), (480, 2845), (498, 2872), (541, 2953), (549, 2965), (551, 2968), (565, 2992), (585, 3034), (667, 3160), (687, 3214), (710, 3277), (734, 3328), (738, 3340), (758, 3379), (787, 3445), (824, 3526), (825, 3529), (828, 3535), (877, 3586),

Gene: Tiffany_14 Start: 8548, Stop: 10002, Start Num: 124

Candidate Starts for Tiffany_14:

(Start: 124 @8548 has 299 MA's), (Start: 157 @8578 has 14 MA's), (182, 8605), (233, 8710), (298, 8824), (320, 8890), (343, 8947), (382, 9025), (384, 9028), (482, 9169), (545, 9280), (549, 9286), (563, 9307), (663, 9472), (710, 9598), (735, 9652), (737, 9658), (743, 9673), (762, 9709), (802, 9796), (812, 9826), (824, 9856), (857, 9901), (867, 9910),

Gene: Tiger_10 Start: 7756, Stop: 9189, Start Num: 127

Candidate Starts for Tiger_10:

(Start: 127 @7756 has 330 MA's), (247, 7924), (252, 7939), (255, 7945), (329, 8113), (343, 8140), (382, 8218), (449, 8299), (488, 8371), (489, 8374), (534, 8446), (549, 8479), (563, 8500), (577, 8530), (605, 8575), (710, 8791), (735, 8845), (741, 8863), (762, 8902), (812, 9019), (824, 9049), (842, 9079), (867, 9103),

Gene: Tigress9_8 Start: 2943, Stop: 4505, Start Num: 75

Candidate Starts for Tigress9_8:

(44, 2826), (46, 2853), (Start: 75 @2943 has 32 MA's), (Start: 83 @2958 has 142 MA's), (182, 3063), (Start: 222 @3144 has 4 MA's), (232, 3168), (252, 3210), (305, 3312), (314, 3333), (319, 3348), (327, 3375), (369, 3453), (388, 3492), (428, 3549), (467, 3618), (479, 3642), (495, 3678), (501, 3690), (522, 3723), (537, 3756), (546, 3777), (558, 3798), (575, 3828), (624, 3861), (635, 3879), (670, 3969), (672, 3972), (677, 3987), (699, 4023), (701, 4029), (711, 4071), (735, 4122), (741, 4140), (785, 4233), (787, 4236), (811, 4281), (812, 4284), (813, 4293),

Gene: Timothy_13 Start: 9784, Stop: 11241, Start Num: 127

Candidate Starts for Timothy_13:

(Start: 127 @9784 has 330 MA's), (169, 9829), (182, 9844), (233, 9949), (365, 10231), (382, 10264), (489, 10420), (534, 10492), (545, 10519), (549, 10525), (563, 10546), (587, 10597), (720, 10861), (735, 10891), (743, 10912), (749, 10927), (757, 10939), (762, 10948), (802, 11035), (812, 11065), (824, 11095), (842, 11125), (908, 11191),

Gene: Timshel_13 Start: 10002, Stop: 11459, Start Num: 124

Candidate Starts for Timshel_13:

(Start: 124 @10002 has 299 MA's), (229, 10152), (233, 10164), (298, 10278), (324, 10362), (335, 10389), (439, 10554), (482, 10623), (489, 10635), (496, 10641), (508, 10659), (534, 10707), (545, 10734), (549, 10740), (563, 10761), (566, 10767), (574, 10782), (577, 10791), (632, 10875), (663, 10938), (687, 11001), (710, 11064), (711, 11067), (735, 11118), (737, 11124), (740, 11133), (741, 11136), (743, 11139), (762, 11175), (798, 11256), (812, 11292), (824, 11322),

Gene: TinaBelcher_7 Start: 3879, Stop: 5354, Start Num: 155

Candidate Starts for TinaBelcher_7:

(Start: 155 @3879 has 140 MA's), (Start: 222 @3996 has 4 MA's), (246, 4044), (249, 4056), (266, 4095), (305, 4188), (314, 4209), (444, 4401), (458, 4428), (534, 4566), (554, 4608), (573, 4641), (579, 4659), (585, 4677), (589, 4686), (645, 4824), (669, 4881), (687, 4929), (741, 5061), (773, 5118), (812, 5208), (813, 5217), (894, 5322), (908, 5340),

Gene: TinaBug_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for TinaBug_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (789, 3154), (811, 3205),

Gene: TinaFeyge_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for TinaFeyge_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: TingHuaYa_9 Start: 3054, Stop: 4607, Start Num: 83

Candidate Starts for TingHuaYa_9:

(Start: 75 @3039 has 32 MA's), (Start: 83 @3054 has 142 MA's), (175, 3150), (182, 3159), (195, 3189), (Start: 222 @3240 has 4 MA's), (232, 3264), (248, 3297), (252, 3306), (305, 3408), (314, 3429), (319, 3444), (324, 3465), (362, 3534), (369, 3549), (388, 3588), (428, 3645), (501, 3786), (522, 3819), (537, 3852), (546, 3873), (558, 3894), (575, 3924), (635, 3975), (666, 4053), (670, 4065), (672, 4068), (676, 4080), (677, 4083), (682, 4095), (699, 4119), (741, 4236), (785, 4329), (803, 4353), (811, 4377), (812, 4380), (813, 4389), (857, 4464), (877, 4485), (899, 4512),

Gene: TiniBug_9 Start: 2984, Stop: 4546, Start Num: 75

Candidate Starts for TiniBug_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (114, 3026), (175, 3095), (182, 3104), (186, 3113), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (266, 3284), (305, 3353), (314, 3374), (324, 3410), (362, 3479), (368, 3491), (414, 3569), (428, 3590), (444, 3620), (458, 3644), (522, 3764), (537, 3797), (546, 3818), (558, 3839), (575, 3869), (624, 3902), (635, 3920), (666, 3998), (670, 4010), (672, 4013), (676, 4025), (677, 4028), (699, 4064), (711, 4112), (735, 4163), (741, 4181), (787, 4277), (803, 4298), (812, 4325), (813, 4334), (873, 4424), (939, 4523),

Gene: TinyPebbles_14 Start: 8737, Stop: 10191, Start Num: 124

Candidate Starts for TinyPebbles_14:

(Start: 124 @8737 has 299 MA's), (Start: 157 @8767 has 14 MA's), (182, 8794), (233, 8899), (298, 9013), (320, 9079), (343, 9136), (382, 9214), (384, 9217), (482, 9358), (545, 9469), (549, 9475), (563, 9496), (663, 9661), (710, 9787), (735, 9841), (737, 9847), (743, 9862), (762, 9898), (802, 9985), (812, 10015), (824, 10045), (857, 10090), (867, 10099),

Gene: TinyTimmy_13 Start: 9836, Stop: 11293, Start Num: 127

Candidate Starts for TinyTimmy_13:

(Start: 127 @9836 has 330 MA's), (169, 9881), (182, 9896), (233, 10001), (365, 10283), (382, 10316), (489, 10472), (534, 10544), (545, 10571), (549, 10577), (563, 10598), (587, 10649), (720, 10913), (735, 10943), (743, 10964), (749, 10979), (757, 10991), (762, 11000), (802, 11087), (812, 11117), (824, 11147), (842, 11177), (908, 11243),

Gene: Tinybot_11 Start: 8558, Stop: 10009, Start Num: 124

Candidate Starts for Tinybot_11:

(Start: 124 @8558 has 299 MA's), (229, 8705), (233, 8717), (316, 8885), (324, 8915), (343, 8954), (352, 8972), (382, 9032), (476, 9161), (482, 9179), (545, 9290), (549, 9296), (563, 9317), (566, 9323), (599, 9392), (642, 9452), (663, 9497), (710, 9623), (711, 9626), (735, 9677), (737, 9683), (743, 9698), (757, 9728), (798, 9818), (812, 9854), (816, 9866), (824, 9884), (845, 9914),

Gene: TipsytheTRex_12 Start: 8294, Stop: 9751, Start Num: 127

Candidate Starts for TipsytheTRex_12:

(Start: 127 @8294 has 330 MA's), (Start: 143 @8315 has 5 MA's), (182, 8354), (233, 8459), (365, 8741), (382, 8774), (438, 8846), (489, 8930), (534, 9002), (545, 9029), (549, 9035), (563, 9056), (735, 9401), (743, 9422), (757, 9449), (762, 9458), (812, 9575), (824, 9605), (842, 9635), (867, 9659),

Gene: Tiri_9 Start: 3037, Stop: 4590, Start Num: 83

Candidate Starts for Tiri_9:

(46, 2935), (Start: 75 @3022 has 32 MA's), (Start: 83 @3037 has 142 MA's), (175, 3136), (182, 3145), (215, 3217), (Start: 222 @3226 has 4 MA's), (232, 3250), (248, 3283), (252, 3292), (266, 3325), (305, 3394), (314, 3415), (327, 3457), (362, 3523), (369, 3538), (414, 3613), (428, 3634), (458, 3688), (522, 3808), (537, 3841), (546, 3862), (558, 3883), (575, 3913), (624, 3946), (635, 3964), (659, 4024), (666, 4042), (670, 4054), (672, 4057), (676, 4069), (677, 4072), (699, 4108), (711, 4156), (735, 4207), (741, 4225), (787, 4321), (803, 4342), (812, 4369), (813, 4378), (828, 4414),

Gene: TiroTheta9_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for TiroTheta9_12:

(Start: 124 @8578 has 299 MA's), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Toaka_12 Start: 8270, Stop: 9754, Start Num: 127

Candidate Starts for Toaka_12:

(Start: 127 @8270 has 330 MA's), (182, 8330), (225, 8417), (233, 8435), (329, 8645), (365, 8717), (382, 8750), (402, 8774), (482, 8894), (508, 8930), (514, 8939), (534, 8978), (545, 9005), (549, 9011), (563, 9032), (587, 9083), (624, 9122), (735, 9380), (741, 9398), (757, 9428), (762, 9437), (802, 9524), (810, 9548), (812, 9554), (824, 9584), (857, 9629), (867, 9638),

Gene: Todacoro_13 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Todacoro_13:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Tolls_7 Start: 2797, Stop: 4251, Start Num: 159

Candidate Starts for Tolls_7:

(Start: 159 @2797 has 63 MA's), (184, 2821), (242, 2935), (246, 2944), (297, 3025), (322, 3109), (365, 3190), (466, 3337), (489, 3379), (525, 3430), (537, 3460), (545, 3478), (549, 3484), (663, 3712), (674, 3739), (680, 3754), (687, 3775), (718, 3859), (730, 3883), (800, 4027), (807, 4045), (811, 4057), (835, 4117), (836, 4120), (923, 4228),

Gene: TomBrady_3 Start: 1889, Stop: 3403, Start Num: 105

Candidate Starts for TomBrady_3:

(14, 1322), (24, 1490), (26, 1505), (39, 1634), (Start: 105 @1889 has 79 MA's), (161, 1952), (164, 1955), (173, 1964), (246, 2096), (315, 2243), (316, 2246), (362, 2336), (382, 2375), (390, 2387), (439, 2450), (442, 2456), (471, 2498), (494, 2531), (532, 2594), (549, 2633), (574, 2675), (591, 2720), (602, 2744), (614, 2753), (649, 2810), (666, 2852), (673, 2870), (674, 2873), (735, 3029), (776, 3119), (789, 3155), (811, 3206), (821, 3230),

Gene: Toma_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Toma_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (266, 4272), (361, 4455), (412, 4539), (444, 4581), (530, 4737), (534, 4749), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (908, 5478),

Gene: Tomathan_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for Tomathan_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (355, 9588), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: ToneTone_15 Start: 9197, Stop: 10663, Start Num: 127

Candidate Starts for ToneTone_15:

(Start: 127 @9197 has 330 MA's), (Start: 143 @9218 has 5 MA's), (182, 9257), (225, 9344), (230, 9356), (233, 9362), (365, 9644), (400, 9698), (504, 9857), (534, 9908), (545, 9935), (549, 9941), (563, 9962), (632, 10064), (682, 10175), (743, 10328), (749, 10343), (757, 10355), (762, 10364), (789, 10430), (802, 10451), (812, 10481), (824, 10511), (842, 10541),

Gene: Toniann_31 Start: 10389, Stop: 12005, Start Num: 104

Candidate Starts for Toniann_31:

(Start: 104 @10389 has 19 MA's), (Start: 143 @10440 has 5 MA's), (Start: 151 @10449 has 63 MA's), (Start: 193 @10509 has 1 MA's), (Start: 222 @10566 has 4 MA's), (240, 10602), (258, 10647), (269, 10674), (365, 10878), (379, 10908), (403, 10944), (431, 10989), (435, 10998), (444, 11013), (532, 11151), (533, 11154), (539, 11172), (541, 11178), (566, 11220), (644, 11412), (675, 11499), (686, 11529), (704, 11574), (722, 11622), (730, 11637), (756, 11700), (769, 11724), (771, 11730), (775, 11739), (806, 11808), (824, 11859), (825, 11862), (829, 11874),

Gene: TootsiePop_4 Start: 2202, Stop: 3623, Start Num: 151

Candidate Starts for TootsiePop_4:

(Start: 151 @2202 has 63 MA's), (172, 2229), (182, 2241), (246, 2370), (252, 2388), (255, 2394), (266, 2421), (305, 2490), (319, 2526), (324, 2547), (327, 2553), (345, 2577), (347, 2580), (359, 2607), (381, 2655), (384, 2661), (404, 2688), (415, 2706), (474, 2799), (480, 2817), (495, 2850), (500, 2859), (501, 2862), (531, 2910), (534, 2919), (546, 2949), (557, 2967), (575, 3000), (637, 3057), (670, 3141), (677, 3159), (687, 3186), (697, 3198), (699, 3201), (701, 3207), (702, 3222), (713, 3255), (767, 3360), (803, 3435), (805, 3441), (808, 3450), (811, 3459), (813, 3471), (845, 3534), (889, 3582),

Gene: Tootsieroll_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Tootsieroll_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Topanga_12 Start: 8504, Stop: 9949, Start Num: 124

Candidate Starts for Topanga_12:

(Start: 124 @8504 has 299 MA's), (233, 8663), (308, 8810), (320, 8843), (324, 8861), (327, 8867), (342, 8900), (382, 8981), (390, 8993), (480, 9119), (489, 9137), (534, 9209), (542, 9233), (545, 9236), (549, 9242), (563, 9263), (663, 9443), (710, 9569), (711, 9572), (735, 9623), (737, 9629), (743, 9644), (757, 9674), (762, 9683), (798, 9764), (812, 9800), (824, 9830), (861, 9881), (864, 9884),

Gene: Topgun_12 Start: 8423, Stop: 9865, Start Num: 158

Candidate Starts for Topgun_12:

(109, 8357), (Start: 158 @8423 has 220 MA's), (263, 8621), (365, 8834), (482, 9029), (489, 9041), (545, 9140), (667, 9335), (682, 9374), (710, 9452), (712, 9458), (735, 9506), (739, 9518), (743, 9527), (785, 9617), (824, 9707), (845, 9740), (857, 9752),

Gene: Topiatin_5 Start: 2903, Stop: 4273, Start Num: 156

Candidate Starts for Topiatin_5:

(Start: 156 @2903 has 163 MA's), (Start: 180 @2939 has 9 MA's), (Start: 193 @2963 has 1 MA's), (196, 2972), (198, 2978), (199, 2981), (Start: 222 @3020 has 4 MA's), (252, 3086), (253, 3089), (290, 3158), (305, 3197), (309, 3206), (324, 3254), (365, 3314), (391, 3362), (423, 3407), (465, 3452), (490, 3479), (514, 3524), (532, 3545), (533, 3548), (534, 3551), (541, 3572), (546, 3581), (575, 3632), (576, 3635), (579, 3644), (592, 3674), (603, 3695), (641, 3764), (646, 3773), (662, 3824), (664, 3827), (686, 3887), (688, 3893), (718, 3971), (735, 4004), (739, 4016), (754, 4055), (769, 4079), (833, 4241),

Gene: Topper_9 Start: 3055, Stop: 4623, Start Num: 75

Candidate Starts for Topper_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666,

4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Toro_15 Start: 9998, Stop: 11494, Start Num: 124

Candidate Starts for Toro_15:

(Start: 124 @9998 has 299 MA's), (233, 10163), (298, 10313), (320, 10379), (355, 10463), (368, 10487), (382, 10514), (395, 10532), (449, 10595), (476, 10643), (480, 10655), (488, 10670), (489, 10673), (534, 10745), (545, 10772), (549, 10778), (563, 10799), (574, 10820), (577, 10829), (599, 10877), (663, 10982), (710, 11108), (711, 11111), (735, 11162), (737, 11168), (743, 11183), (787, 11282), (798, 11303), (802, 11309), (812, 11339), (824, 11369), (842, 11399), (845, 11402), (861, 11420),

Gene: Toron_3 Start: 2233, Stop: 3708, Start Num: 110

Candidate Starts for Toron_3:

(Start: 110 @2233 has 11 MA's), (119, 2245), (135, 2266), (Start: 154 @2287 has 46 MA's), (240, 2434), (253, 2467), (255, 2470), (298, 2530), (305, 2557), (316, 2584), (348, 2656), (353, 2662), (355, 2668), (378, 2710), (421, 2761), (425, 2767), (447, 2800), (459, 2824), (466, 2830), (484, 2863), (488, 2869), (514, 2905), (532, 2938), (549, 2977), (575, 3022), (583, 3040), (587, 3049), (628, 3112), (647, 3160), (667, 3211), (675, 3232), (687, 3265), (695, 3274), (709, 3325), (710, 3328), (725, 3364), (739, 3394), (740, 3397), (748, 3415), (752, 3427), (767, 3445), (789, 3505), (798, 3520), (807, 3541), (813, 3562), (824, 3586), (862, 3634),

Gene: Torres_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Torres_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Tote_14 Start: 9164, Stop: 10606, Start Num: 158

Candidate Starts for Tote_14:

(109, 9098), (Start: 158 @9164 has 220 MA's), (263, 9362), (365, 9575), (482, 9770), (489, 9782), (545, 9881), (584, 9953), (667, 10076), (682, 10115), (710, 10193), (712, 10199), (735, 10247), (739, 10259), (743, 10268), (785, 10358), (824, 10448), (845, 10481), (857, 10493),

Gene: Totinger_4 Start: 2200, Stop: 3621, Start Num: 151

Candidate Starts for Totinger_4:

(Start: 151 @2200 has 63 MA's), (172, 2227), (182, 2239), (246, 2368), (252, 2386), (266, 2419), (305, 2488), (319, 2524), (324, 2545), (327, 2551), (345, 2575), (347, 2578), (381, 2653), (384, 2659), (404, 2686), (415, 2704), (441, 2746), (474, 2797), (480, 2815), (495, 2848), (500, 2857), (501, 2860), (531, 2908), (534, 2917), (546, 2947), (557, 2965), (575, 2998), (637, 3055), (670, 3139), (677, 3157), (687, 3184), (697, 3196), (699, 3199), (701, 3205), (702, 3220), (713, 3253), (735, 3298), (767, 3358), (803, 3433), (805, 3439), (808, 3448), (811, 3457), (813, 3469), (845, 3532), (889, 3580),

Gene: TouchMeNot_4 Start: 2870, Stop: 4285, Start Num: 143

Candidate Starts for TouchMeNot_4:

(Start: 143 @2870 has 5 MA's), (197, 2960), (253, 3089), (263, 3113), (305, 3185), (319, 3221), (454, 3458), (479, 3512), (530, 3608), (554, 3662), (576, 3704), (623, 3746), (705, 3944), (799, 4142),

Gene: Tourach_5 Start: 2654, Stop: 4309, Start Num: 131

Candidate Starts for Tourach_5:

(Start: 131 @2654 has 70 MA's), (182, 2717), (219, 2795), (249, 2855), (253, 2864), (263, 2888), (266, 2894), (305, 2966), (319, 3002), (327, 3029), (367, 3080), (441, 3173), (469, 3212), (495, 3275), (501, 3287), (506, 3296), (510, 3302), (512, 3305), (527, 3326), (535, 3347), (537, 3353), (557, 3392), (622, 3488), (638, 3515), (682, 3623), (684, 3629), (720, 3722), (734, 3749), (767, 3812), (775, 3833), (782, 3854), (799, 3881), (803, 3890), (824, 3950), (840, 3980), (849, 3989), (855, 3995), (925, 4097), (938, 4130), (945, 4169), (956, 4274),

Gene: Towmatter_12 Start: 6567, Stop: 8132, Start Num: 102

Candidate Starts for Towmatter_12:

(Start: 102 @6567 has 24 MA's), (Start: 143 @6618 has 5 MA's), (240, 6783), (258, 6828), (300, 6903), (301, 6906), (309, 6933), (340, 7014), (365, 7032), (366, 7035), (413, 7113), (431, 7143), (507, 7266), (541, 7326), (576, 7389), (617, 7497), (672, 7635), (686, 7674), (705, 7722), (713, 7746), (741, 7809), (784, 7914), (806, 7953), (824, 8004), (825, 8007), (829, 8019),

Gene: TpudiCK_16 Start: 6259, Stop: 7881, Start Num: 93

Candidate Starts for TpudiCK_16:

(Start: 93 @6259 has 23 MA's), (Start: 108 @6274 has 1 MA's), (186, 6382), (194, 6400), (215, 6448), (235, 6481), (243, 6493), (252, 6517), (263, 6544), (266, 6550), (305, 6622), (308, 6628), (319, 6658), (359, 6739), (361, 6745), (363, 6748), (371, 6766), (482, 6922), (495, 6940), (501, 6952), (531, 7000), (557, 7057), (558, 7060), (600, 7129), (640, 7183), (659, 7219), (678, 7270), (680, 7273), (697, 7303), (701, 7312), (721, 7378), (722, 7381), (734, 7402), (735, 7405), (760, 7456), (803, 7543), (862, 7654), (890, 7684), (911, 7720), (914, 7726), (922, 7741), (931, 7753), (952, 7837),

Gene: Tracker_25 Start: 13700, Stop: 15289, Start Num: 121

Candidate Starts for Tracker_25:

(Start: 121 @13700 has 32 MA's), (Start: 124 @13706 has 299 MA's), (138, 13721), (Start: 145 @13730 has 30 MA's), (182, 13784), (266, 13976), (305, 14054), (315, 14078), (323, 14108), (440, 14312), (460, 14339), (487, 14366), (533, 14456), (570, 14528), (576, 14543), (581, 14558), (633, 14639), (684, 14780), (722, 14879), (730, 14894), (735, 14903), (738, 14912), (750, 14948), (759, 14972), (799, 15056), (803, 15065), (818, 15110),

Gene: Traft412_14 Start: 9351, Stop: 10787, Start Num: 158

Candidate Starts for Traft412_14:

(109, 9285), (Start: 158 @9351 has 220 MA's), (263, 9549), (365, 9762), (482, 9957), (489, 9969), (545, 10068), (667, 10263), (682, 10302), (710, 10380), (712, 10386), (735, 10434), (739, 10446), (743, 10455), (785, 10545), (824, 10635), (845, 10668), (857, 10680),

Gene: Travvers_16 Start: 9159, Stop: 10616, Start Num: 127

Candidate Starts for Travvers_16:

(Start: 127 @9159 has 330 MA's), (182, 9219), (229, 9312), (233, 9324), (355, 9588), (365, 9606), (466, 9750), (488, 9792), (534, 9867), (545, 9894), (549, 9900), (563, 9921), (566, 9927), (735, 10266), (743, 10287), (757, 10314), (762, 10323), (802, 10410), (812, 10440), (824, 10470), (842, 10500), (867, 10524),

Gene: Trax_13 Start: 6263, Stop: 7762, Start Num: 102

Candidate Starts for Trax_13:

(97, 6257), (Start: 102 @6263 has 24 MA's), (Start: 140 @6317 has 4 MA's), (174, 6359), (182, 6377), (190, 6395), (Start: 222 @6458 has 4 MA's), (237, 6488), (239, 6491), (244, 6497), (252, 6521), (263, 6548), (305, 6626), (367, 6743), (374, 6758), (402, 6800), (408, 6809), (469, 6878), (495, 6935), (501, 6947), (536, 7010), (537, 7013), (541, 7025), (579, 7097), (603, 7130), (620, 7139), (634, 7160), (678, 7265), (702, 7325), (713, 7358), (720, 7373), (741, 7421), (748, 7433), (758, 7451), (773, 7478), (789, 7523), (794, 7529), (808, 7556), (811, 7565), (828, 7613), (846, 7637), (915, 7721),

Gene: Treddle_14 Start: 9660, Stop: 11102, Start Num: 158

Candidate Starts for Treddle_14:

(109, 9594), (Start: 158 @9660 has 220 MA's), (263, 9858), (365, 10071), (482, 10266), (489, 10278), (545, 10377), (667, 10572), (682, 10611), (710, 10689), (712, 10695), (735, 10743), (739, 10755), (743, 10764), (785, 10854), (824, 10944), (845, 10977), (857, 10989),

Gene: TreyKay_9 Start: 2995, Stop: 4548, Start Num: 83

Candidate Starts for TreyKay_9:

(46, 2893), (Start: 75 @2980 has 32 MA's), (Start: 83 @2995 has 142 MA's), (175, 3094), (182, 3103), (215, 3175), (Start: 222 @3184 has 4 MA's), (232, 3208), (248, 3241), (266, 3283), (305, 3352), (314, 3373), (326, 3412), (369, 3496), (414, 3571), (428, 3592), (458, 3646), (522, 3766), (537, 3799), (546, 3820), (558, 3841), (575, 3871), (624, 3904), (635, 3922), (666, 4000), (670, 4012), (672, 4015), (676, 4027), (677, 4030), (699, 4066), (711, 4114), (741, 4183), (787, 4279), (803, 4300), (812, 4327), (813, 4336), (828, 4372), (873, 4426),

Gene: TriFive_6 Start: 2756, Stop: 4399, Start Num: 131

Candidate Starts for TriFive_6:

(Start: 131 @2756 has 70 MA's), (178, 2816), (253, 2966), (266, 2996), (305, 3068), (328, 3134), (367, 3182), (441, 3275), (469, 3314), (510, 3404), (517, 3413), (527, 3428), (638, 3617), (652, 3650), (668, 3689), (684, 3731), (767, 3914), (782, 3956), (799, 3983), (803, 3992), (824, 4052), (840, 4082), (849, 4091), (908, 4166), (925, 4199),

Gene: TribbleTrouble_7 Start: 2727, Stop: 4310, Start Num: 75

Candidate Starts for TribbleTrouble_7:

(Start: 75 @2727 has 32 MA's), (Start: 83 @2742 has 142 MA's), (Start: 117 @2772 has 8 MA's), (175, 2835), (182, 2844), (232, 2949), (248, 2982), (253, 2994), (266, 3024), (305, 3093), (314, 3114), (319, 3129), (327, 3156), (362, 3216), (369, 3231), (428, 3327), (479, 3420), (495, 3456), (501, 3468), (522, 3501), (527, 3507), (537, 3534), (546, 3555), (555, 3570), (558, 3576), (635, 3657), (666, 3735), (670, 3747), (672, 3750), (677, 3765), (687, 3792), (709, 3846), (711, 3852), (734, 3900), (741, 3921), (787, 4035), (803, 4056), (812, 4083), (813, 4092), (828, 4128),

Gene: Trice_5 Start: 2283, Stop: 3839, Start Num: 83

Candidate Starts for Trice_5:

(45, 2157), (46, 2178), (Start: 75 @2268 has 32 MA's), (Start: 83 @2283 has 142 MA's), (Start: 154 @2352 has 46 MA's), (163, 2367), (182, 2388), (Start: 222 @2469 has 4 MA's), (232, 2493), (248, 2526), (263, 2562), (305, 2637), (314, 2658), (319, 2673), (369, 2778), (408, 2844), (428, 2874), (457, 2928), (479, 2970), (495, 3006), (501, 3018), (522, 3051), (537, 3084), (558, 3126), (575, 3156), (624, 3189), (635, 3207), (637, 3213), (659, 3267), (666, 3285), (670, 3297), (676, 3312), (677, 3315), (693, 3348), (734, 3447), (735, 3450), (741, 3468), (767, 3510), (785, 3561), (787, 3564), (803, 3585), (811, 3609), (812, 3612), (813, 3621), (828, 3657), (835, 3672), (854, 3693),

Gene: Trike_10 Start: 6461, Stop: 7921, Start Num: 124

Candidate Starts for Trike_10:

(Start: 124 @6461 has 299 MA's), (Start: 157 @6488 has 14 MA's), (198, 6554), (229, 6608), (233, 6620), (266, 6689), (308, 6767), (320, 6800), (324, 6818), (342, 6857), (344, 6860), (382, 6938), (480, 7076), (489, 7094), (545, 7193), (549, 7199), (563, 7220), (566, 7226), (577, 7250), (599, 7301), (663, 7406), (710, 7532), (711, 7535), (735, 7586), (737, 7592), (743, 7607), (757, 7637), (762, 7646), (798, 7727), (812, 7763), (824, 7793), (861, 7844), (864, 7847),

Gene: Tripl3t_13 Start: 9346, Stop: 10788, Start Num: 158

Candidate Starts for Tripl3t_13:

(109, 9280), (Start: 158 @9346 has 220 MA's), (263, 9544), (365, 9757), (482, 9952), (484, 9955), (489, 9964), (545, 10063), (667, 10258), (682, 10297), (710, 10375), (712, 10381), (735, 10429), (739, 10441), (743, 10450), (785, 10540), (824, 10630), (845, 10663), (857, 10675),

Gene: TripleC_8 Start: 6194, Stop: 7672, Start Num: 123

Candidate Starts for TripleC_8:

(Start: 123 @6194 has 47 MA's), (Start: 145 @6218 has 30 MA's), (204, 6320), (224, 6341), (328, 6572), (532, 6884), (549, 6923), (585, 6992), (602, 7034), (655, 7103), (658, 7109), (666, 7127), (667, 7130), (702, 7223), (735, 7301), (807, 7457), (811, 7469), (818, 7487), (845, 7541), (929, 7655),

Gene: Tristan_14 Start: 10987, Stop: 12441, Start Num: 127

Candidate Starts for Tristan_14:

(Start: 127 @10987 has 330 MA's), (182, 11047), (233, 11152), (298, 11266), (329, 11362), (365, 11434), (489, 11623), (534, 11695), (545, 11722), (549, 11728), (563, 11749), (587, 11800), (632, 11851), (735, 12094), (741, 12112), (757, 12142), (762, 12151), (787, 12211), (802, 12238), (812, 12268), (824, 12298), (842, 12328), (867, 12352),

Gene: Triste_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Triste_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (458, 4608), (477, 4641), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: Triumph_9 Start: 3896, Stop: 5380, Start Num: 155

Candidate Starts for Triumph_9:

(Start: 155 @3896 has 140 MA's), (Start: 222 @4013 has 4 MA's), (249, 4073), (266, 4112), (305, 4205), (414, 4379), (444, 4418), (477, 4478), (527, 4565), (530, 4571), (534, 4583), (573, 4658), (579, 4676), (583, 4688), (585, 4694), (645, 4841), (667, 4892), (669, 4898), (701, 4967), (773, 5135), (813, 5234), (827, 5267), (862, 5309), (894, 5342), (908, 5366),

Gene: Trixie_16 Start: 10871, Stop: 12331, Start Num: 127

Candidate Starts for Trixie_16:

(Start: 127 @10871 has 330 MA's), (182, 10931), (233, 11036), (365, 11318), (382, 11351), (484, 11498), (534, 11579), (545, 11606), (549, 11612), (563, 11633), (587, 11684), (687, 11861), (720, 11948), (735, 11978), (743, 11999), (757, 12026), (762, 12035), (812, 12152), (824, 12182), (842, 12212), (867, 12236),

Gene: Troje_5 Start: 2787, Stop: 4241, Start Num: 159

Candidate Starts for Troje_5:

(Start: 159 @2787 has 63 MA's), (184, 2811), (242, 2925), (246, 2934), (320, 3090), (322, 3099), (365, 3180), (489, 3369), (537, 3450), (545, 3468), (549, 3474), (663, 3702), (674, 3729), (687, 3765), (730, 3873), (739, 3894), (800, 4017), (811, 4047), (835, 4107), (836, 4110), (923, 4218),

Gene: Trooper_13 Start: 9031, Stop: 10506, Start Num: 127

Candidate Starts for Trooper_13:

(Start: 127 @9031 has 330 MA's), (182, 9091), (233, 9196), (365, 9478), (382, 9511), (484, 9658), (534, 9739), (545, 9766), (549, 9772), (563, 9793), (566, 9799), (587, 9844), (682, 10006), (735, 10138), (741, 10156), (743, 10159), (757, 10186), (762, 10195), (812, 10312), (824, 10342), (842, 10372), (937, 10483),

Gene: Trouble_12 Start: 8995, Stop: 10437, Start Num: 158

Candidate Starts for Trouble_12:

(109, 8929), (Start: 158 @8995 has 220 MA's), (263, 9193), (365, 9406), (482, 9601), (489, 9613), (545, 9712), (667, 9907), (682, 9946), (710, 10024), (712, 10030), (735, 10078), (739, 10090), (743, 10099), (785, 10189), (824, 10279), (845, 10312), (857, 10324),

Gene: TroyPia_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for TroyPia_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (816, 9886), (824, 9904), (845, 9934),

Gene: TruffulaTree_9 Start: 3005, Stop: 4576, Start Num: 75

Candidate Starts for TruffulaTree_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (172, 3116), (175, 3119), (182, 3128), (215, 3200), (Start: 222 @3209 has 4 MA's), (232, 3233), (248, 3266), (252, 3275), (266, 3308), (305, 3377), (314, 3398), (327, 3440), (362, 3506), (369, 3521), (414, 3596), (428, 3617), (458, 3671), (522, 3791), (537, 3824), (546, 3845), (558, 3866), (575, 3896), (624, 3929), (635, 3947), (659, 4007), (666, 4025), (670, 4037), (672, 4040), (676, 4052), (677, 4055), (699, 4091), (711, 4139), (735, 4190), (741, 4208), (787, 4304), (803, 4325), (812, 4352), (813, 4361), (828, 4397),

Gene: TrvxScott_6 Start: 3880, Stop: 5355, Start Num: 155

Candidate Starts for TrvxScott_6:

(Start: 155 @3880 has 140 MA's), (Start: 222 @3997 has 4 MA's), (246, 4045), (249, 4057), (266, 4096), (305, 4189), (314, 4210), (444, 4402), (458, 4429), (534, 4567), (573, 4642), (579, 4660), (585, 4678), (589, 4687), (645, 4825), (669, 4882), (741, 5062), (773, 5119), (812, 5209), (813, 5218), (894, 5323), (908, 5341),

Gene: TuanPN_7 Start: 4059, Stop: 5495, Start Num: 155

Candidate Starts for TuanPN_7:

(Start: 144 @4053 has 15 MA's), (Start: 155 @4059 has 140 MA's), (174, 4083), (188, 4107), (Start: 222 @4176 has 4 MA's), (246, 4224), (249, 4236), (266, 4275), (328, 4428), (361, 4458), (412, 4542), (444, 4584), (477, 4644), (479, 4650), (530, 4740), (534, 4752), (573, 4827), (579, 4845), (629, 4923), (645, 4968), (669, 5025), (760, 5238), (773, 5262), (827, 5394), (908, 5481),

Gene: Tubs_14 Start: 9893, Stop: 11380, Start Num: 127

Candidate Starts for Tubs_14:

(Start: 127 @9893 has 330 MA's), (182, 9956), (233, 10061), (329, 10271), (349, 10310), (365, 10343), (382, 10376), (482, 10520), (508, 10556), (514, 10565), (534, 10604), (545, 10631), (549, 10637), (563, 10658), (577, 10688), (587, 10709), (605, 10733), (624, 10748), (735, 11003), (741, 11021), (757, 11051), (758, 11054), (762, 11060), (810, 11171), (812, 11177), (824, 11207), (857, 11252), (867, 11261),

Gene: Tuck_4 Start: 3325, Stop: 4707, Start Num: 148

Candidate Starts for Tuck_4:

(Start: 148 @3325 has 57 MA's), (Start: 222 @3445 has 4 MA's), (266, 3544), (421, 3808), (580, 4081), (675, 4240), (699, 4288), (705, 4318), (713, 4342), (799, 4516), (864, 4636),

Gene: Tucker_16 Start: 9284, Stop: 10750, Start Num: 127

Candidate Starts for Tucker_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (400, 9785), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (682, 10262), (743, 10415), (749, 10430), (757, 10442), (762, 10451), (789, 10517), (802, 10538), (812, 10568), (824, 10598), (842, 10628),

Gene: Turab_3 Start: 2268, Stop: 3641, Start Num: 148

Candidate Starts for Turab_3:

(Start: 148 @2268 has 57 MA's), (Start: 222 @2388 has 4 MA's), (266, 2487), (421, 2751), (580, 3024), (675, 3180), (699, 3228), (705, 3258), (713, 3282), (799, 3456), (864, 3576),

Gene: Turbido_15 Start: 9697, Stop: 11157, Start Num: 127

Candidate Starts for Turbido_15:

(Start: 127 @9697 has 330 MA's), (182, 9757), (233, 9862), (324, 10060), (365, 10144), (382, 10177), (482, 10321), (534, 10405), (545, 10432), (549, 10438), (563, 10459), (566, 10465), (587, 10510), (735, 10804), (741, 10822), (743, 10825), (757, 10852), (762, 10861), (812, 10978), (824, 11008), (842, 11038), (867, 11062),

Gene: Turj99_11 Start: 8439, Stop: 9881, Start Num: 158

Candidate Starts for Turj99_11:

(109, 8373), (Start: 158 @8439 has 220 MA's), (263, 8637), (365, 8850), (482, 9045), (489, 9057), (545, 9156), (584, 9228), (667, 9351), (682, 9390), (710, 9468), (712, 9474), (735, 9522), (739, 9534), (743, 9543), (785, 9633), (824, 9723), (845, 9756), (857, 9768),

Gene: Turuncu_29 Start: 15070, Stop: 16647, Start Num: 121

Candidate Starts for Turuncu_29:

(Start: 121 @15070 has 32 MA's), (266, 15346), (440, 15682), (502, 15769), (570, 15886), (581, 15916), (633, 15997), (684, 16138), (722, 16237), (735, 16261), (738, 16270), (750, 16306), (759, 16330), (799, 16414), (803, 16423), (818, 16468),

Gene: Tutumahutu_3 Start: 2320, Stop: 3696, Start Num: 148

Candidate Starts for Tutumahutu_3:

(Start: 148 @2320 has 57 MA's), (Start: 222 @2440 has 4 MA's), (266, 2539), (290, 2578), (421, 2803), (484, 2896), (580, 3076), (678, 3244), (699, 3283), (705, 3313), (713, 3337), (799, 3511), (803, 3520), (864, 3631),

Gene: Tweety_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Tweety_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (718, 3323), (735, 3356), (739, 3368), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Tweety19_4 Start: 3136, Stop: 4500, Start Num: 144

Candidate Starts for Tweety19_4:

(Start: 144 @3136 has 15 MA's), (199, 3217), (Start: 222 @3256 has 4 MA's), (286, 3391), (324, 3481), (363, 3526), (480, 3703), (484, 3712), (663, 4018), (699, 4096), (705, 4126), (789, 4315), (799, 4324),

Gene: Twigg_10 Start: 7908, Stop: 9341, Start Num: 127

Candidate Starts for Twigg_10:

(Start: 127 @7908 has 330 MA's), (241, 8064), (247, 8076), (252, 8091), (255, 8097), (329, 8265), (343, 8292), (382, 8370), (449, 8451), (488, 8523), (489, 8526), (534, 8598), (549, 8631), (563, 8652), (573, 8670), (577, 8682), (710, 8943), (735, 8997), (741, 9015), (762, 9054), (812, 9171), (824, 9201), (842, 9231), (867, 9255),

Gene: Twister_12 Start: 8403, Stop: 9848, Start Num: 124

Candidate Starts for Twister_12:

(Start: 124 @8403 has 299 MA's), (233, 8562), (263, 8625), (308, 8709), (320, 8742), (324, 8760), (327, 8766), (342, 8799), (382, 8880), (390, 8892), (480, 9018), (489, 9036), (534, 9108), (542, 9132), (545, 9135), (549, 9141), (563, 9162), (663, 9342), (710, 9468), (711, 9471), (735, 9522), (737, 9528), (743, 9543), (757, 9573), (762, 9582), (798, 9663), (812, 9699), (824, 9729), (861, 9780), (864, 9783),

Gene: Twitch_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Twitch_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: TwoPeat_13 Start: 8957, Stop: 10399, Start Num: 158

Candidate Starts for TwoPeat_13:

(109, 8891), (Start: 158 @8957 has 220 MA's), (263, 9155), (365, 9368), (482, 9563), (489, 9575), (545, 9674), (667, 9869), (682, 9908), (710, 9986), (712, 9992), (735, 10040), (739, 10052), (743, 10061), (762, 10094), (785, 10151), (824, 10241), (845, 10274), (857, 10286),

Gene: TyDawg_15 Start: 6260, Stop: 7882, Start Num: 93

Candidate Starts for TyDawg_15:

(Start: 93 @6260 has 23 MA's), (Start: 108 @6275 has 1 MA's), (186, 6383), (194, 6401), (215, 6449), (235, 6482), (243, 6494), (252, 6518), (263, 6545), (266, 6551), (305, 6623), (308, 6629), (319, 6659), (359, 6740), (361, 6746), (363, 6749), (371, 6767), (482, 6923), (495, 6941), (501, 6953), (531, 7001), (557, 7058), (558, 7061), (600, 7130), (640, 7184), (659, 7220), (678, 7271), (680, 7274), (697, 7304), (701, 7313), (721, 7379), (722, 7382), (734, 7403), (735, 7406), (760, 7457), (803, 7544), (862, 7655), (890, 7685), (911, 7721), (914, 7727), (922, 7742), (931, 7754), (952, 7838),

Gene: TygerBlood_12 Start: 8580, Stop: 10031, Start Num: 124

Candidate Starts for TygerBlood_12:

(Start: 124 @8580 has 299 MA's), (229, 8727), (233, 8739), (316, 8907), (324, 8937), (343, 8976), (352, 8994), (382, 9054), (476, 9183), (482, 9201), (545, 9312), (549, 9318), (563, 9339), (566, 9345), (599, 9414), (642, 9474), (663, 9519), (710, 9645), (711, 9648), (735, 9699), (737, 9705), (743, 9720), (757, 9750), (798, 9840), (812, 9876), (816, 9888), (824, 9906), (845, 9936),

Gene: Typhonomachy_5 Start: 2789, Stop: 4246, Start Num: 159

Candidate Starts for Typhonomachy_5:

(Start: 159 @2789 has 63 MA's), (184, 2813), (238, 2924), (242, 2927), (246, 2936), (297, 3017), (322, 3101), (326, 3113), (365, 3182), (466, 3329), (489, 3371), (531, 3434), (537, 3452), (539, 3458), (545, 3470), (549, 3476), (602, 3587), (663, 3704), (674, 3731), (687, 3767), (739, 3896), (741, 3902), (762, 3935), (785, 3992), (787, 3995), (800, 4019), (811, 4049), (835, 4109), (836, 4112), (923, 4223),

Gene: Tyson_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Tyson_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (944, 4137), (956, 4263),

Gene: U2_12 Start: 8620, Stop: 10062, Start Num: 158

Candidate Starts for U2_12:

(109, 8554), (Start: 158 @8620 has 220 MA's), (263, 8818), (365, 9031), (482, 9226), (484, 9229), (545, 9337), (667, 9532), (682, 9571), (710, 9649), (712, 9655), (735, 9703), (739, 9715), (743, 9724), (785, 9814), (824, 9904), (845, 9937), (857, 9949),

Gene: UPIE_5 Start: 2626, Stop: 4296, Start Num: 131

Candidate Starts for UPIE_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (201, 2743), (219, 2767), (253, 2836), (263, 2860), (305, 2938), (319, 2974), (374, 3067), (377, 3070), (441, 3145), (469, 3184), (495, 3247), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (555, 3361), (557, 3364), (626, 3466), (634, 3481), (638, 3487), (672, 3568), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (737, 3730), (767, 3784), (775, 3805), (782, 3826), (799, 3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (925, 4069), (956, 4261),

Gene: Ugenie5_11 Start: 9926, Stop: 11413, Start Num: 127

Candidate Starts for Ugenie5_11:

(Start: 127 @9926 has 330 MA's), (182, 9989), (233, 10094), (266, 10163), (329, 10304), (349, 10343), (365, 10376), (382, 10409), (482, 10553), (508, 10589), (514, 10598), (534, 10637), (545, 10664), (549, 10670), (563, 10691), (566, 10697), (587, 10742), (605, 10766), (624, 10781), (735, 11036), (741, 11054), (757, 11084), (758, 11087), (762, 11093), (810, 11204), (812, 11210), (824, 11240), (857, 11285), (867, 11294),

Gene: UhSalsa_9 Start: 4835, Stop: 6280, Start Num: 124

Candidate Starts for UhSalsa_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (349, 5237), (355, 5252), (449, 5381), (482, 5444), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Ulysses_11 Start: 8297, Stop: 9748, Start Num: 124

Candidate Starts for Ulysses_11:

(Start: 124 @8297 has 299 MA's), (229, 8444), (233, 8456), (316, 8624), (324, 8654), (343, 8693), (352, 8711), (382, 8771), (476, 8900), (482, 8918), (545, 9029), (549, 9035), (563, 9056), (566, 9062), (642, 9191), (663, 9236), (710, 9362), (711, 9365), (735, 9416), (743, 9437), (757, 9467), (798, 9557), (812, 9593), (816, 9605), (824, 9623), (845, 9653),

Gene: UncleRicky_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for UncleRicky_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Underpass_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Underpass_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945,

4153), (956, 4258),

Gene: Unicorn_8 Start: 2988, Stop: 4538, Start Num: 83

Candidate Starts for Unicorn_8:

(44, 2856), (46, 2883), (Start: 75 @2973 has 32 MA's), (Start: 83 @2988 has 142 MA's), (182, 3096), (Start: 222 @3177 has 4 MA's), (232, 3201), (252, 3243), (266, 3276), (305, 3345), (314, 3366), (319, 3381), (327, 3408), (369, 3486), (428, 3582), (454, 3627), (479, 3675), (501, 3723), (522, 3756), (537, 3789), (546, 3810), (558, 3831), (575, 3861), (624, 3894), (635, 3912), (670, 4002), (672, 4005), (677, 4020), (699, 4056), (701, 4062), (711, 4104), (735, 4155), (741, 4173), (780, 4254), (785, 4266), (787, 4269), (811, 4314), (812, 4317), (813, 4326),

Gene: UnionJack_10 Start: 7475, Stop: 8908, Start Num: 127

Candidate Starts for UnionJack_10:

(Start: 127 @7475 has 330 MA's), (247, 7643), (252, 7658), (255, 7664), (298, 7736), (329, 7832), (343, 7859), (449, 8018), (484, 8084), (488, 8090), (489, 8093), (514, 8126), (534, 8165), (549, 8198), (563, 8219), (573, 8237), (577, 8249), (710, 8510), (735, 8564), (741, 8582), (762, 8621), (812, 8738), (824, 8768), (842, 8798), (857, 8813), (867, 8822),

Gene: Unstoppable_7 Start: 4081, Stop: 5523, Start Num: 155

Candidate Starts for Unstoppable_7:

(Start: 142 @4072 has 1 MA's), (Start: 144 @4075 has 15 MA's), (Start: 155 @4081 has 140 MA's), (Start: 222 @4198 has 4 MA's), (246, 4246), (412, 4564), (444, 4606), (458, 4633), (477, 4666), (530, 4759), (534, 4771), (579, 4864), (629, 4942), (645, 4987), (669, 5044), (678, 5068), (773, 5281), (908, 5509),

Gene: Updawg_15 Start: 9710, Stop: 11170, Start Num: 127

Candidate Starts for Updawg_15:

(Start: 127 @9710 has 330 MA's), (182, 9770), (229, 9863), (233, 9875), (365, 10157), (382, 10190), (484, 10337), (489, 10346), (534, 10418), (545, 10445), (549, 10451), (563, 10472), (687, 10700), (735, 10817), (743, 10838), (757, 10865), (762, 10874), (812, 10991), (824, 11021), (842, 11051), (867, 11075),

Gene: Urkel_9 Start: 2999, Stop: 4546, Start Num: 83

Candidate Starts for Urkel_9:

(46, 2897), (Start: 75 @2984 has 32 MA's), (Start: 83 @2999 has 142 MA's), (114, 3026), (175, 3095), (182, 3104), (186, 3113), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (266, 3284), (305, 3353), (314, 3374), (324, 3410), (362, 3479), (368, 3491), (414, 3569), (428, 3590), (444, 3620), (458, 3644), (522, 3764), (537, 3797), (546, 3818), (558, 3839), (575, 3869), (624, 3902), (635, 3920), (666, 3998), (670, 4010), (672, 4013), (676, 4025), (677, 4028), (699, 4064), (711, 4112), (735, 4163), (741, 4181), (787, 4277), (803, 4298), (812, 4325), (813, 4334), (873, 4424),

Gene: Urza_7 Start: 4278, Stop: 5753, Start Num: 155

Candidate Starts for Urza_7:

(19, 3741), (33, 3885), (Start: 155 @4278 has 140 MA's), (Start: 171 @4299 has 1 MA's), (Start: 222 @4395 has 4 MA's), (249, 4455), (305, 4587), (314, 4608), (327, 4644), (444, 4806), (466, 4848), (512, 4932), (534, 4971), (557, 5019), (573, 5046), (579, 5064), (588, 5088), (589, 5091), (596, 5109), (609, 5145), (629, 5184), (645, 5229), (669, 5286), (678, 5310), (773, 5523), (812, 5613), (827, 5655),

Gene: UtzChips_3 Start: 2379, Stop: 3746, Start Num: 148

Candidate Starts for UtzChips_3:

(3, 1500), (4, 1521), (12, 1644), (30, 1959), (Start: 148 @2379 has 57 MA's), (Start: 222 @2499 has 4 MA's), (561, 3087), (697, 3348), (701, 3357), (767, 3504), (778, 3534), (812, 3609),

Gene: VA6_13 Start: 9215, Stop: 10675, Start Num: 127

Candidate Starts for VA6_13:

(Start: 127 @9215 has 330 MA's), (182, 9275), (233, 9380), (355, 9644), (365, 9662), (382, 9695), (466, 9806), (545, 9950), (549, 9956), (563, 9977), (566, 9983), (587, 10028), (675, 10172), (709, 10265), (720, 10292), (735, 10322), (741, 10340), (743, 10343), (757, 10370), (762, 10379), (812, 10496), (818, 10511), (824, 10526), (842, 10556), (867, 10580),

Gene: VC3_16 Start: 9161, Stop: 10618, Start Num: 127

Candidate Starts for VC3_16:

(Start: 127 @9161 has 330 MA's), (182, 9221), (233, 9326), (365, 9608), (382, 9641), (481, 9782), (489, 9797), (534, 9869), (545, 9896), (549, 9902), (563, 9923), (566, 9929), (587, 9974), (735, 10268), (741, 10286), (743, 10289), (757, 10316), (762, 10325), (789, 10391), (812, 10442), (824, 10472), (842, 10502), (867, 10526),

Gene: VRedHorse_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for VRedHorse_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (684, 3218), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (826, 3560), (833, 3578),

Gene: VResidence_3 Start: 2347, Stop: 3720, Start Num: 148

Candidate Starts for VResidence_3:

(Start: 148 @2347 has 57 MA's), (215, 2458), (Start: 222 @2467 has 4 MA's), (266, 2566), (290, 2605), (363, 2737), (580, 3103), (678, 3268), (699, 3307), (705, 3337), (713, 3361), (799, 3535), (864, 3655),

Gene: VWB_3 Start: 2318, Stop: 3622, Start Num: 220

Candidate Starts for VWB_3:

(Start: 155 @2189 has 140 MA's), (220, 2318), (261, 2405), (272, 2429), (314, 2510), (317, 2519), (319, 2525), (325, 2546), (360, 2609), (391, 2672), (397, 2678), (423, 2717), (475, 2798), (489, 2828), (497, 2846), (510, 2870), (541, 2933), (555, 2957), (607, 3041), (617, 3065), (629, 3083), (672, 3170), (675, 3179), (710, 3272), (713, 3281), (734, 3323), (749, 3353), (767, 3380), (776, 3404), (778, 3410), (807, 3467), (820, 3503), (824, 3515), (878, 3590),

Gene: Validus_9 Start: 3003, Stop: 4568, Start Num: 75

Candidate Starts for Validus_9:

(46, 2913), (Start: 75 @3003 has 32 MA's), (Start: 83 @3018 has 142 MA's), (182, 3120), (232, 3225), (248, 3258), (252, 3267), (305, 3369), (314, 3390), (319, 3405), (362, 3495), (369, 3510), (388, 3549), (414, 3585), (441, 3630), (458, 3660), (467, 3675), (473, 3681), (479, 3699), (501, 3747), (522, 3780), (534, 3804), (546, 3834), (555, 3849), (558, 3855), (624, 3918), (635, 3936), (666, 4014), (670, 4026), (672, 4029), (676, 4041), (677, 4044), (699, 4080), (734, 4176), (735, 4179), (741, 4197), (767, 4239), (785, 4290), (803, 4314), (811, 4338), (812, 4341), (813, 4350), (877, 4446), (899, 4473),

Gene: Vanisoa_12 Start: 7984, Stop: 9468, Start Num: 127

Candidate Starts for Vanisoa_12:

(Start: 127 @7984 has 330 MA's), (182, 8044), (225, 8131), (233, 8149), (329, 8359), (365, 8431), (402, 8488), (466, 8575), (482, 8608), (508, 8644), (514, 8653), (534, 8692), (545, 8719), (549, 8725), (563, 8746), (566, 8752), (587, 8797), (624, 8836), (735, 9094), (741, 9112), (757, 9142), (762, 9151), (802, 9238), (810, 9262), (812, 9268), (824, 9298), (857, 9343), (867, 9352),

Gene: Vanseggelen_10 Start: 3797, Stop: 5233, Start Num: 155

Candidate Starts for Vanseggelen_10:

(Start: 155 @3797 has 140 MA's), (Start: 222 @3914 has 4 MA's), (246, 3962), (249, 3974), (314, 4130), (371, 4217), (477, 4385), (479, 4391), (500, 4430), (530, 4478), (534, 4490), (573, 4565), (579, 4583), (629, 4658), (669, 4760), (734, 4919), (735, 4922), (741, 4940), (748, 4952), (773, 4997), (801, 5054), (812, 5087), (827, 5129), (908, 5219),

Gene: VasuNzinga_36 Start: 12066, Stop: 13631, Start Num: 76

Candidate Starts for VasuNzinga_36:

(Start: 76 @12066 has 19 MA's), (165, 12183), (231, 12303), (255, 12348), (258, 12357), (308, 12447), (323, 12495), (324, 12498), (353, 12540), (355, 12543), (368, 12567), (423, 12639), (425, 12642), (450, 12681), (460, 12702), (462, 12705), (488, 12750), (539, 12840), (542, 12849), (549, 12858), (574, 12900), (575, 12903), (592, 12942), (619, 12984), (625, 12990), (628, 12993), (647, 13038), (674, 13107), (710, 13206), (714, 13218), (763, 13317), (789, 13383), (802, 13404), (807, 13419), (856, 13512), (870, 13527),

Gene: Veliki_9 Start: 3070, Stop: 4623, Start Num: 83

Candidate Starts for Veliki_9:

(46, 2968), (Start: 75 @3055 has 32 MA's), (Start: 83 @3070 has 142 MA's), (175, 3169), (182, 3178), (215, 3250), (Start: 222 @3259 has 4 MA's), (232, 3283), (248, 3316), (252, 3325), (266, 3358), (305, 3427), (314, 3448), (327, 3490), (362, 3556), (369, 3571), (414, 3646), (428, 3667), (458, 3721), (522, 3841), (537, 3874), (546, 3895), (558, 3916), (575, 3946), (624, 3979), (635, 3997), (659, 4057), (666, 4075), (670, 4087), (672, 4090), (676, 4102), (677, 4105), (699, 4141), (711, 4189), (735, 4240), (741, 4258), (787, 4354), (803, 4375), (812, 4402), (813, 4411), (828, 4447),

Gene: Velveteen_4 Start: 2199, Stop: 3620, Start Num: 151

Candidate Starts for Velveteen_4:

(Start: 151 @2199 has 63 MA's), (172, 2226), (182, 2238), (246, 2367), (252, 2385), (266, 2418), (305, 2487), (319, 2523), (324, 2544), (327, 2550), (345, 2574), (347, 2577), (381, 2652), (384, 2658), (404, 2685), (415, 2703), (441, 2745), (474, 2796), (480, 2814), (495, 2847), (500, 2856), (501, 2859), (531, 2907), (534, 2916), (546, 2946), (557, 2964), (575, 2997), (637, 3054), (670, 3138), (677, 3156), (687, 3183), (697, 3195), (699, 3198), (701, 3204), (702, 3219), (713, 3252), (767, 3357), (803, 3432), (805, 3438), (808, 3447), (811, 3456), (813, 3468), (845, 3531), (889, 3579),

Gene: Verabelle_8 Start: 4165, Stop: 5598, Start Num: 155

Candidate Starts for Verabelle_8:

(Start: 155 @4165 has 140 MA's), (Start: 222 @4282 has 4 MA's), (246, 4330), (249, 4342), (371, 4585), (477, 4750), (479, 4756), (530, 4843), (534, 4855), (573, 4930), (579, 4948), (629, 5023), (669, 5125), (678, 5149), (734, 5284), (735, 5287), (741, 5305), (748, 5317), (773, 5362), (801, 5419), (812, 5452), (827, 5494), (908, 5584),

Gene: Veracruz_12 Start: 8738, Stop: 10207, Start Num: 124

Candidate Starts for Veracruz_12:

(Start: 124 @8738 has 299 MA's), (163, 8777), (233, 8903), (273, 8987), (308, 9050), (320, 9083), (324, 9101), (343, 9140), (355, 9167), (382, 9218), (476, 9344), (480, 9356), (488, 9371), (489, 9374), (534, 9446), (545, 9473), (549, 9479), (563, 9500), (566, 9506), (577, 9530), (599, 9572), (663, 9677), (710, 9803), (711, 9806), (735, 9857), (737, 9863), (743, 9878), (757, 9908), (812, 10034), (824, 10064), (845, 10094),

Gene: Verse_7 Start: 4246, Stop: 5679, Start Num: 155

Candidate Starts for Verse_7:

(Start: 155 @4246 has 140 MA's), (Start: 222 @4363 has 4 MA's), (246, 4411), (249, 4423), (371, 4666), (432, 4753), (477, 4831), (534, 4936), (573, 5011), (579, 5029), (610, 5068), (629, 5104), (669,

5206), (735, 5368), (741, 5386), (773, 5443), (827, 5575), (850, 5605), (908, 5665),

Gene: Veteran_3 Start: 2256, Stop: 3626, Start Num: 156

Candidate Starts for Veteran_3:

(Start: 156 @2256 has 163 MA's), (Start: 179 @2289 has 2 MA's), (Start: 193 @2316 has 1 MA's), (196, 2325), (198, 2331), (199, 2334), (Start: 222 @2373 has 4 MA's), (250, 2436), (252, 2439), (253, 2442), (290, 2511), (293, 2517), (305, 2550), (309, 2559), (324, 2607), (365, 2667), (391, 2715), (423, 2760), (465, 2805), (490, 2832), (514, 2877), (532, 2898), (533, 2901), (534, 2904), (541, 2925), (546, 2934), (575, 2985), (576, 2988), (579, 2997), (592, 3027), (603, 3048), (641, 3117), (646, 3126), (662, 3177), (664, 3180), (686, 3240), (688, 3246), (718, 3324), (735, 3357), (739, 3369), (754, 3408), (769, 3432), (833, 3594),

Gene: Vetrix_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Vetrix_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (196, 2734), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (626, 3478), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: VieEnRose_7 Start: 4373, Stop: 5827, Start Num: 171

Candidate Starts for VieEnRose_7:

(19, 3815), (33, 3959), (Start: 155 @4352 has 140 MA's), (Start: 171 @4373 has 1 MA's), (Start: 222 @4469 has 4 MA's), (249, 4529), (305, 4661), (314, 4682), (327, 4718), (444, 4880), (466, 4922), (512, 5006), (534, 5045), (557, 5093), (573, 5120), (579, 5138), (588, 5162), (589, 5165), (596, 5183), (609, 5219), (629, 5258), (645, 5303), (669, 5360), (678, 5384), (773, 5597), (812, 5687), (827, 5729),

Gene: Vine_6 Start: 3574, Stop: 5007, Start Num: 159

Candidate Starts for Vine_6:

(Start: 159 @3574 has 63 MA's), (184, 3598), (255, 3742), (257, 3748), (276, 3784), (302, 3820), (306, 3838), (319, 3871), (326, 3895), (365, 3964), (382, 3997), (489, 4153), (525, 4204), (537, 4234), (549, 4258), (574, 4300), (602, 4369), (645, 4435), (674, 4507), (741, 4678), (762, 4711), (787, 4771), (798, 4792), (811, 4825), (835, 4885), (836, 4888), (923, 4999),

Gene: Violac_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Violac_3:

(Start: 156 @2239 has 163 MA's), (Start: 179 @2272 has 2 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (250, 2419), (252, 2422), (253, 2425), (290, 2494), (293, 2500), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576, 2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (735, 3340), (739, 3352), (751, 3385), (754, 3391), (769, 3415), (833, 3577),

Gene: Violet_11 Start: 9254, Stop: 10696, Start Num: 158

Candidate Starts for Violet_11:

(109, 9188), (Start: 158 @9254 has 220 MA's), (263, 9452), (365, 9665), (482, 9860), (489, 9872), (545, 9971), (667, 10166), (682, 10205), (710, 10283), (712, 10289), (735, 10337), (739, 10349), (743, 10358), (762, 10391), (785, 10448), (824, 10538), (845, 10571), (857, 10583),

Gene: Virizion_10 Start: 4471, Stop: 6078, Start Num: 65

Candidate Starts for Virizion_10:

(55, 4450), (65, 4471), (74, 4489), (80, 4501), (Start: 102 @4531 has 24 MA's), (139, 4582), (189, 4648), (190, 4651), (195, 4660), (206, 4693), (249, 4768), (255, 4780), (296, 4873), (333, 4948), (335, 4951), (352, 4963), (362, 4984), (365, 4990), (375, 5011), (479, 5158), (486, 5167), (545, 5281), (551, 5290), (649, 5479), (659, 5503), (667, 5524), (672, 5536), (675, 5545), (683, 5569), (734, 5698), (737, 5707), (746, 5734), (799, 5845), (836, 5932), (854, 5950), (894, 6001),

Gene: ViviJ_6 Start: 2528, Stop: 4066, Start Num: 83

Candidate Starts for ViviJ_6:

(Start: 83 @2528 has 142 MA's), (175, 2630), (182, 2639), (201, 2693), (248, 2777), (253, 2789), (266, 2819), (281, 2837), (305, 2888), (319, 2924), (326, 2948), (327, 2951), (359, 3005), (369, 3026), (414, 3101), (428, 3122), (444, 3152), (473, 3197), (495, 3251), (522, 3296), (537, 3329), (555, 3365), (558, 3371), (624, 3434), (635, 3452), (666, 3530), (670, 3542), (672, 3545), (677, 3560), (701, 3605), (702, 3620), (709, 3641), (711, 3647), (734, 3695), (735, 3698), (741, 3716), (780, 3797), (787, 3812), (803, 3833), (813, 3869), (828, 3905), (899, 3992),

Gene: Vivum_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Vivum_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (600, 3029), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Vix_14 Start: 8736, Stop: 10190, Start Num: 124

Candidate Starts for Vix_14:

(Start: 124 @8736 has 299 MA's), (Start: 157 @8766 has 14 MA's), (182, 8793), (233, 8898), (298, 9012), (320, 9078), (343, 9135), (382, 9213), (384, 9216), (482, 9357), (545, 9468), (549, 9474), (563, 9495), (663, 9660), (710, 9786), (735, 9840), (737, 9846), (743, 9861), (762, 9897), (802, 9984), (812, 10014), (824, 10044), (857, 10089), (867, 10098),

Gene: VohminGhazi_16 Start: 9284, Stop: 10747, Start Num: 127

Candidate Starts for VohminGhazi_16:

(Start: 127 @9284 has 330 MA's), (Start: 143 @9305 has 5 MA's), (182, 9344), (225, 9431), (230, 9443), (233, 9449), (365, 9731), (504, 9944), (534, 9995), (545, 10022), (549, 10028), (563, 10049), (743, 10415), (757, 10442), (762, 10451), (787, 10511), (812, 10568), (824, 10598), (842, 10628), (870, 10655),

Gene: Volt_37 Start: 12190, Stop: 13596, Start Num: 157

Candidate Starts for Volt_37:

(Start: 157 @12190 has 14 MA's), (189, 12229), (206, 12277), (243, 12337), (305, 12463), (327, 12526), (329, 12532), (356, 12577), (436, 12712), (480, 12781), (527, 12862), (535, 12883), (546, 12910), (624, 12994), (670, 13102), (716, 13225), (732, 13255), (734, 13258), (787, 13366), (789, 13372), (808, 13402), (811, 13411), (812, 13414), (813, 13423), (859, 13495), (867, 13504), (879, 13519),

Gene: Vopal_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Vopal_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (196, 2337), (224, 2385), (229, 2397), (301, 2538), (324, 2613), (365, 2679), (418, 2760), (498, 2883), (538, 2955), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (713, 3297), (734, 3339), (738, 3351), (824, 3537), (828, 3546), (877, 3597),

Gene: Vordorf_5 Start: 2807, Stop: 4282, Start Num: 157

Candidate Starts for Vordorf_5:

(Start: 157 @2807 has 14 MA's), (215, 2909), (226, 2930), (251, 2978), (256, 2990), (261, 3002), (265, 3011), (305, 3086), (318, 3119), (319, 3122), (320, 3125), (327, 3149), (335, 3170), (350, 3188), (381, 3254), (384, 3260), (442, 3344), (444, 3347), (531, 3509), (537, 3527), (561, 3572), (575, 3599), (583, 3623), (594, 3653), (615, 3701), (639, 3749), (649, 3773), (698, 3884), (734, 3983), (751, 4022), (811, 4133), (825, 4172), (853, 4214), (856, 4217),

Gene: VroomVroom_3 Start: 2305, Stop: 3672, Start Num: 148

Candidate Starts for VroomVroom_3:

(Start: 148 @2305 has 57 MA's), (215, 2419), (Start: 222 @2428 has 4 MA's), (266, 2527), (534, 2968), (535, 2971), (663, 3190), (699, 3268), (789, 3487), (799, 3496),

Gene: WST1_3 Start: 2156, Stop: 3616, Start Num: 136

Candidate Starts for WST1_3:

(Start: 128 @2144 has 2 MA's), (Start: 136 @2156 has 3 MA's), (153, 2171), (198, 2243), (216, 2276), (246, 2330), (301, 2435), (362, 2570), (395, 2627), (430, 2666), (471, 2735), (482, 2756), (531, 2828), (532, 2831), (539, 2852), (541, 2858), (549, 2870), (574, 2912), (601, 2981), (602, 2984), (668, 3098), (690, 3155), (735, 3269), (741, 3287), (797, 3407), (862, 3515), (884, 3539),

Gene: Wachhund_3 Start: 2240, Stop: 3598, Start Num: 156

Candidate Starts for Wachhund_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (675, 3194), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: Waits_15 Start: 8347, Stop: 9807, Start Num: 127

Candidate Starts for Waits_15:

(Start: 127 @8347 has 330 MA's), (182, 8407), (233, 8512), (264, 8578), (349, 8761), (365, 8794), (382, 8827), (534, 9058), (545, 9085), (549, 9091), (563, 9112), (574, 9133), (587, 9163), (605, 9187), (663, 9277), (675, 9307), (710, 9403), (721, 9430), (735, 9457), (741, 9475), (743, 9478), (757, 9511), (762, 9520), (812, 9637), (824, 9667), (867, 9721),

Gene: Wallaby_8 Start: 3685, Stop: 5130, Start Num: 159

Candidate Starts for Wallaby_8:

(Start: 159 @3685 has 63 MA's), (Start: 179 @3697 has 2 MA's), (182, 3703), (199, 3745), (214, 3775), (255, 3853), (301, 3922), (365, 4069), (471, 4228), (488, 4258), (496, 4267), (537, 4342), (549, 4366), (552, 4372), (598, 4468), (614, 4486), (633, 4516), (649, 4552), (674, 4615), (695, 4660), (725, 4750), (734, 4765), (738, 4777), (741, 4786), (757, 4810), (787, 4879), (807, 4921), (811, 4933), (812, 4936), (844, 5002), (850, 5008),

Gene: WalterMcMickey_12 Start: 8403, Stop: 9848, Start Num: 124

Candidate Starts for WalterMcMickey_12:

(Start: 124 @8403 has 299 MA's), (233, 8562), (263, 8625), (308, 8709), (320, 8742), (324, 8760), (327, 8766), (342, 8799), (382, 8880), (390, 8892), (480, 9018), (489, 9036), (534, 9108), (542, 9132), (545, 9135), (549, 9141), (563, 9162), (663, 9342), (710, 9468), (711, 9471), (735, 9522), (737, 9528), (743, 9543), (757, 9573), (762, 9582), (798, 9663), (812, 9699), (824, 9729), (861, 9780), (864, 9783),

Gene: Wamburgxpress_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Wamburgxpress_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Wander_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for Wander_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Warda_3 Start: 2269, Stop: 3645, Start Num: 148

Candidate Starts for Warda_3:

(Start: 148 @2269 has 57 MA's), (Start: 222 @2389 has 4 MA's), (266, 2488), (290, 2527), (421, 2752), (484, 2845), (580, 3025), (678, 3193), (699, 3232), (705, 3262), (713, 3286), (799, 3460), (803, 3469), (864, 3580),

Gene: Warrior24_15 Start: 8351, Stop: 9811, Start Num: 127

Candidate Starts for Warrior24_15:

(Start: 127 @8351 has 330 MA's), (182, 8411), (233, 8516), (264, 8582), (349, 8765), (365, 8798), (382, 8831), (534, 9062), (545, 9089), (549, 9095), (563, 9116), (574, 9137), (587, 9167), (605, 9191), (675, 9311), (710, 9407), (721, 9434), (735, 9461), (741, 9479), (743, 9482), (757, 9515), (762, 9524), (812, 9641), (824, 9671), (867, 9725),

Gene: Waterfoul_7 Start: 2788, Stop: 4323, Start Num: 83

Candidate Starts for Waterfoul_7:

(Start: 83 @2788 has 142 MA's), (Start: 154 @2860 has 46 MA's), (182, 2896), (186, 2905), (201, 2950), (248, 3034), (253, 3046), (266, 3076), (281, 3094), (305, 3145), (319, 3181), (327, 3208), (356, 3259), (359, 3262), (362, 3268), (369, 3283), (370, 3286), (414, 3358), (428, 3379), (444, 3409), (473, 3454), (495, 3508), (522, 3553), (537, 3586), (555, 3622), (557, 3625), (558, 3628), (624, 3691), (635, 3709), (637, 3715), (666, 3787), (670, 3799), (672, 3802), (677, 3817), (701, 3862), (702, 3877), (709, 3898), (734, 3952), (735, 3955), (741, 3973), (749, 3988), (780, 4054), (787, 4069), (803, 4090), (809, 4108), (813, 4126), (828, 4162), (899, 4249),

Gene: Watermelon_14 Start: 9546, Stop: 10988, Start Num: 158

Candidate Starts for Watermelon_14:

(109, 9480), (Start: 158 @9546 has 220 MA's), (263, 9744), (365, 9957), (482, 10152), (489, 10164), (545, 10263), (667, 10458), (682, 10497), (710, 10575), (712, 10581), (735, 10629), (739, 10641), (743, 10650), (785, 10740), (824, 10830), (845, 10863), (857, 10875),

Gene: Watson_14 Start: 8646, Stop: 10100, Start Num: 124

Candidate Starts for Watson_14:

(Start: 124 @8646 has 299 MA's), (Start: 157 @8676 has 14 MA's), (182, 8703), (233, 8808), (298, 8922), (320, 8988), (343, 9045), (382, 9123), (384, 9126), (482, 9267), (545, 9378), (549, 9384), (563, 9405), (663, 9570), (710, 9696), (735, 9750), (737, 9756), (743, 9771), (762, 9807), (802, 9894), (812, 9924), (824, 9954), (857, 9999), (867, 10008),

Gene: Wee_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Wee_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: WeiHuaDA_19 Start: 11481, Stop: 12932, Start Num: 127

Candidate Starts for WeiHuaDA_19:

(Start: 127 @11481 has 330 MA's), (182, 11541), (233, 11646), (313, 11805), (365, 11928), (382, 11961), (484, 12108), (489, 12117), (534, 12189), (545, 12216), (549, 12222), (563, 12243), (587, 12294), (687, 12471), (709, 12531), (712, 12540), (735, 12588), (743, 12609), (757, 12636), (762, 12645), (802, 12732), (812, 12762), (824, 12792), (842, 12822), (867, 12846),

Gene: Wendigo_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Wendigo_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Wentworth_9 Start: 4275, Stop: 5828, Start Num: 102

Candidate Starts for Wentworth_9:

(79, 4242), (92, 4263), (Start: 102 @4275 has 24 MA's), (Start: 131 @4314 has 70 MA's), (Start: 179 @4371 has 2 MA's), (189, 4392), (190, 4395), (206, 4437), (225, 4464), (296, 4617), (362, 4728), (368, 4740), (479, 4902), (551, 5034), (575, 5076), (632, 5178), (649, 5223), (659, 5247), (667, 5268), (672, 5280), (675, 5289), (734, 5442), (737, 5451), (854, 5694),

Gene: Werner_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Werner_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (458, 4608), (477, 4641), (479, 4647), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: Whabigail7_15 Start: 9685, Stop: 11145, Start Num: 127

Candidate Starts for Whabigail7_15:

(Start: 127 @9685 has 330 MA's), (182, 9745), (233, 9850), (324, 10048), (365, 10132), (382, 10165), (482, 10309), (534, 10393), (545, 10420), (549, 10426), (563, 10447), (566, 10453), (587, 10498), (735, 10792), (741, 10810), (743, 10813), (757, 10840), (762, 10849), (812, 10966), (824, 10996), (842, 11026), (867, 11050),

Gene: Whatever_7 Start: 4056, Stop: 5492, Start Num: 155

Candidate Starts for Whatever_7:

(Start: 144 @4050 has 15 MA's), (Start: 155 @4056 has 140 MA's), (174, 4080), (188, 4104), (Start: 222 @4173 has 4 MA's), (246, 4221), (249, 4233), (266, 4272), (328, 4425), (412, 4539), (444, 4581), (458, 4608), (477, 4641), (479, 4647), (530, 4737), (534, 4749), (573, 4824), (579, 4842), (629, 4920), (645, 4965), (669, 5022), (760, 5235), (773, 5259), (827, 5391), (882, 5457), (908, 5478),

Gene: Whatsapiecost_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for Whatsapiecost_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (687, 3242), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Wheeler_12 Start: 8712, Stop: 10154, Start Num: 158

Candidate Starts for Wheeler_12:

(109, 8646), (Start: 158 @8712 has 220 MA's), (263, 8910), (365, 9123), (482, 9318), (489, 9330), (545, 9429), (667, 9624), (682, 9663), (710, 9741), (712, 9747), (735, 9795), (739, 9807), (743, 9816), (785, 9906), (824, 9996), (845, 10029), (857, 10041),

Gene: Wheezy_25 Start: 13903, Stop: 15492, Start Num: 121

Candidate Starts for Wheezy_25:

(Start: 121 @13903 has 32 MA's), (Start: 124 @13909 has 299 MA's), (138, 13924), (Start: 145 @13933 has 30 MA's), (182, 13987), (266, 14179), (305, 14257), (315, 14281), (323, 14311), (440, 14515), (460, 14542), (533, 14659), (570, 14731), (576, 14746), (581, 14761), (633, 14842), (684, 14983), (722, 15082), (730, 15097), (735, 15106), (738, 15115), (750, 15151), (759, 15175), (799, 15259), (803, 15268), (818, 15313),

Gene: Whirlwind_7 Start: 2751, Stop: 4391, Start Num: 131

Candidate Starts for Whirlwind_7:

(Start: 131 @2751 has 70 MA's), (178, 2811), (253, 2961), (266, 2991), (305, 3063), (328, 3129), (367, 3177), (441, 3270), (469, 3309), (492, 3366), (510, 3399), (517, 3408), (527, 3423), (638, 3612), (668, 3684), (684, 3726), (767, 3909), (799, 3978), (803, 3987), (824, 4047), (840, 4077), (849, 4086), (908, 4161), (925, 4194),

Gene: Whitney_4 Start: 2191, Stop: 3627, Start Num: 123

Candidate Starts for Whitney_4:

(Start: 123 @2191 has 47 MA's), (198, 2293), (Start: 222 @2332 has 4 MA's), (224, 2335), (270, 2440), (301, 2482), (312, 2512), (319, 2536), (329, 2569), (532, 2878), (556, 2929), (559, 2935), (575, 2962), (583, 2980), (596, 3013), (632, 3064), (649, 3094), (671, 3148), (674, 3157), (682, 3178), (696, 3208), (741, 3331), (787, 3439), (813, 3502), (860, 3562), (883, 3589), (885, 3592),

Gene: Whitspit_13 Start: 9299, Stop: 10765, Start Num: 127

Candidate Starts for Whitspit_13:

(Start: 127 @9299 has 330 MA's), (233, 9449), (329, 9689), (355, 9743), (370, 9773), (382, 9794), (449, 9875), (482, 9938), (545, 10049), (549, 10055), (563, 10076), (605, 10151), (624, 10166), (687, 10307), (735, 10424), (741, 10442), (762, 10481), (812, 10598), (824, 10628), (829, 10640),

Gene: Whitty_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for Whitty_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: WhoseManz_27 Start: 11741, Stop: 13363, Start Num: 84

Candidate Starts for WhoseManz_27:

(5, 10973), (7, 11045), (8, 11048), (20, 11294), (24, 11357), (31, 11405), (Start: 84 @11741 has 7 MA's), (Start: 121 @11786 has 32 MA's), (Start: 148 @11819 has 57 MA's), (460, 12425), (496, 12470), (570, 12602), (581, 12632), (633, 12713), (667, 12809), (678, 12839), (684, 12854), (735, 12977), (738, 12986), (750, 13022), (759, 13046), (788, 13112), (799, 13130), (803, 13139), (818, 13184),

Gene: Whouxphf_3 Start: 2273, Stop: 3598, Start Num: 179

Candidate Starts for Whouxphf_3:

(Start: 156 @2240 has 163 MA's), (Start: 179 @2273 has 2 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (250, 2420), (252, 2423), (253, 2426), (290, 2495), (293, 2501), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (375, 2672), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (751, 3386), (754, 3392), (769, 3416), (826, 3560),

Gene: WideWale_15 Start: 9710, Stop: 11170, Start Num: 127

Candidate Starts for WideWale_15:

(Start: 127 @9710 has 330 MA's), (182, 9770), (229, 9863), (233, 9875), (365, 10157), (382, 10190), (484, 10337), (489, 10346), (534, 10418), (545, 10445), (549, 10451), (563, 10472), (687, 10700), (735, 10817), (743, 10838), (757, 10865), (762, 10874), (812, 10991), (824, 11021), (842, 11051), (867, 11075),

Gene: Wigglewiggle_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Wigglewiggle_5:

(Start: 131 @2638 has 70 MA's), (219, 2779), (249, 2839), (252, 2845), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Wiks_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for Wiks_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: Wilbur_12 Start: 8577, Stop: 10028, Start Num: 124

Candidate Starts for Wilbur_12:

(Start: 124 @8577 has 299 MA's), (229, 8724), (233, 8736), (316, 8904), (324, 8934), (343, 8973), (352, 8991), (382, 9051), (476, 9180), (482, 9198), (545, 9309), (549, 9315), (563, 9336), (566, 9342), (599, 9411), (642, 9471), (663, 9516), (710, 9642), (711, 9645), (735, 9696), (737, 9702), (743, 9717), (757, 9747), (798, 9837), (812, 9873), (816, 9885), (824, 9903), (845, 9933),

Gene: Wildcat_27 Start: 9714, Stop: 11153, Start Num: 132

Candidate Starts for Wildcat_27:

(Start: 110 @9681 has 11 MA's), (Start: 126 @9705 has 23 MA's), (Start: 132 @9714 has 11 MA's), (174, 9765), (182, 9777), (188, 9789), (249, 9921), (252, 9927), (253, 9930), (255, 9933), (263, 9954), (266, 9960), (304, 10020), (305, 10029), (314, 10050), (358, 10128), (482, 10308), (501, 10338), (512, 10356), (522, 10371), (535, 10398), (550, 10431), (557, 10443), (558, 10446), (580, 10491), (620, 10527), (634, 10548), (661, 10611), (682, 10662), (710, 10734), (735, 10788), (738, 10797), (778,

10878), (789, 10908), (811, 10950), (821, 10977), (855, 11028), (862, 11037), (914, 11094), (936, 11133),

Gene: Wilder_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Wilder_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Wildwest_4 Start: 3217, Stop: 4587, Start Num: 146

Candidate Starts for Wildwest_4:

(28, 2782), (41, 2923), (50, 3028), (Start: 146 @3217 has 1 MA's), (174, 3244), (Start: 222 @3334 has 4 MA's), (290, 3472), (363, 3604), (439, 3712), (580, 3970), (678, 4135), (699, 4174), (705, 4204), (713, 4228), (799, 4402), (803, 4411), (864, 4522),

Gene: Wile_12 Start: 8588, Stop: 10045, Start Num: 124

Candidate Starts for Wile_12:

(Start: 124 @8588 has 299 MA's), (229, 8738), (233, 8750), (308, 8897), (316, 8918), (324, 8948), (343, 8987), (352, 9005), (382, 9065), (476, 9194), (482, 9212), (489, 9224), (508, 9248), (545, 9323), (549, 9329), (563, 9350), (566, 9356), (642, 9485), (663, 9530), (710, 9656), (711, 9659), (735, 9710), (743, 9731), (757, 9758), (798, 9848), (812, 9884), (816, 9896), (824, 9914), (845, 9944),

Gene: Wilkins_12 Start: 8423, Stop: 9865, Start Num: 158

Candidate Starts for Wilkins_12:

(109, 8357), (Start: 158 @8423 has 220 MA's), (263, 8621), (365, 8834), (482, 9029), (489, 9041), (545, 9140), (584, 9212), (667, 9335), (682, 9374), (710, 9452), (712, 9458), (735, 9506), (739, 9518), (743, 9527), (785, 9617), (824, 9707), (845, 9740), (857, 9752),

Gene: Wilkos_9 Start: 4375, Stop: 5937, Start Num: 102

Candidate Starts for Wilkos_9:

(77, 4339), (Start: 102 @4375 has 24 MA's), (Start: 115 @4390 has 2 MA's), (Start: 131 @4414 has 70 MA's), (Start: 179 @4471 has 2 MA's), (189, 4492), (190, 4495), (206, 4537), (225, 4564), (296, 4717), (362, 4837), (375, 4864), (551, 5143), (624, 5275), (632, 5287), (649, 5332), (659, 5356), (667, 5377), (672, 5389), (675, 5398), (734, 5551), (737, 5560), (836, 5785), (854, 5803), (864, 5815),

Gene: WillSterrel_3 Start: 2243, Stop: 3613, Start Num: 156

Candidate Starts for WillSterrel_3:

(Start: 156 @2243 has 163 MA's), (Start: 180 @2279 has 9 MA's), (Start: 193 @2303 has 1 MA's), (196, 2312), (198, 2318), (199, 2321), (Start: 222 @2360 has 4 MA's), (252, 2426), (253, 2429), (290, 2498), (305, 2537), (309, 2546), (324, 2594), (365, 2654), (391, 2702), (423, 2747), (465, 2792), (490, 2819), (514, 2864), (532, 2885), (533, 2888), (534, 2891), (541, 2912), (546, 2921), (575, 2972), (576, 2975), (579, 2984), (592, 3014), (603, 3035), (641, 3104), (646, 3113), (662, 3164), (664, 3167), (686, 3227), (688, 3233), (735, 3344), (739, 3356), (751, 3389), (754, 3395), (769, 3419), (833, 3581),

Gene: WilliamBoone_31 Start: 9788, Stop: 11401, Start Num: 104

Candidate Starts for WilliamBoone_31:

(Start: 104 @9788 has 19 MA's), (Start: 143 @9839 has 5 MA's), (Start: 151 @9848 has 63 MA's), (Start: 193 @9908 has 1 MA's), (196, 9917), (Start: 222 @9965 has 4 MA's), (238, 9998), (240, 10001), (258, 10046), (269, 10073), (365, 10277), (379, 10307), (403, 10343), (409, 10352), (431, 10388), (435, 10397), (444, 10412), (533, 10553), (539, 10571), (541, 10577), (566, 10619), (641,

10805), (644, 10811), (686, 10928), (704, 10973), (722, 11021), (756, 11099), (769, 11123), (771, 11129), (775, 11138), (806, 11207), (811, 11222), (824, 11258), (825, 11261), (829, 11273), (832, 11279),

Gene: Windest_4 Start: 2274, Stop: 3611, Start Num: 155

Candidate Starts for Windest_4:

(Start: 140 @2262 has 4 MA's), (Start: 155 @2274 has 140 MA's), (196, 2337), (224, 2385), (229, 2397), (301, 2538), (324, 2613), (365, 2679), (418, 2760), (498, 2883), (538, 2955), (541, 2964), (549, 2976), (551, 2979), (565, 3003), (585, 3045), (667, 3171), (713, 3297), (734, 3339), (738, 3351), (824, 3537), (828, 3546), (877, 3597),

Gene: Winky_5 Start: 2638, Stop: 4293, Start Num: 131

Candidate Starts for Winky_5:

(Start: 131 @2638 has 70 MA's), (182, 2701), (219, 2779), (249, 2839), (253, 2848), (263, 2872), (266, 2878), (305, 2950), (327, 3013), (367, 3064), (441, 3157), (469, 3196), (495, 3259), (501, 3271), (506, 3280), (510, 3286), (512, 3289), (527, 3310), (535, 3331), (537, 3337), (557, 3376), (622, 3472), (638, 3499), (682, 3607), (684, 3613), (720, 3706), (734, 3733), (767, 3796), (775, 3817), (782, 3838), (799, 3865), (803, 3874), (824, 3934), (840, 3964), (849, 3973), (855, 3979), (925, 4081), (938, 4114), (945, 4153), (956, 4258),

Gene: Wintermute_10 Start: 3921, Stop: 5507, Start Num: 81

Candidate Starts for Wintermute_10:

(Start: 75 @3906 has 32 MA's), (Start: 81 @3921 has 28 MA's), (Start: 101 @3945 has 1 MA's), (Start: 154 @4011 has 46 MA's), (186, 4056), (Start: 222 @4128 has 4 MA's), (248, 4185), (252, 4194), (253, 4197), (266, 4227), (305, 4296), (314, 4317), (324, 4353), (327, 4359), (345, 4383), (362, 4419), (369, 4434), (388, 4473), (476, 4608), (479, 4617), (488, 4635), (500, 4662), (501, 4665), (522, 4698), (537, 4731), (546, 4752), (558, 4773), (624, 4836), (637, 4860), (645, 4884), (666, 4932), (670, 4944), (675, 4956), (677, 4962), (697, 5001), (739, 5115), (741, 5121), (803, 5292), (812, 5319), (813, 5328), (845, 5391), (857, 5403),

Gene: Wizard007_12 Start: 8580, Stop: 10031, Start Num: 124

Candidate Starts for Wizard007_12:

(Start: 124 @8580 has 299 MA's), (233, 8739), (316, 8907), (324, 8937), (343, 8976), (352, 8994), (382, 9054), (476, 9183), (482, 9201), (545, 9312), (549, 9318), (563, 9339), (566, 9345), (599, 9414), (642, 9474), (663, 9519), (710, 9645), (711, 9648), (735, 9699), (737, 9705), (743, 9720), (757, 9750), (798, 9840), (812, 9876), (816, 9888), (824, 9906), (845, 9936),

Gene: Wizzo_3 Start: 1886, Stop: 3211, Start Num: 154

Candidate Starts for Wizzo_3:

(Start: 154 @1886 has 46 MA's), (164, 1901), (181, 1919), (191, 1940), (216, 1991), (224, 2000), (225, 2006), (233, 2024), (242, 2033), (246, 2042), (247, 2045), (255, 2066), (258, 2075), (298, 2126), (301, 2135), (314, 2174), (316, 2180), (322, 2201), (324, 2210), (337, 2240), (339, 2243), (385, 2318), (387, 2321), (424, 2360), (426, 2363), (434, 2375), (443, 2387), (477, 2432), (479, 2438), (488, 2456), (489, 2459), (498, 2468), (545, 2558), (552, 2570), (577, 2615), (602, 2657), (614, 2666), (618, 2675), (649, 2708), (667, 2753), (670, 2762), (674, 2771), (682, 2792), (702, 2846), (710, 2870), (762, 2984), (767, 2990), (785, 3041), (791, 3053), (800, 3068), (808, 3089), (809, 3092), (811, 3098), (812, 3101), (818, 3116), (824, 3131), (825, 3134), (839, 3164),

Gene: Wolfwood_7 Start: 3685, Stop: 5130, Start Num: 159

Candidate Starts for Wolfwood_7:

(Start: 159 @3685 has 63 MA's), (Start: 179 @3697 has 2 MA's), (182, 3703), (199, 3745), (214, 3775), (255, 3853), (301, 3922), (365, 4069), (471, 4228), (488, 4258), (496, 4267), (537, 4342), (549, 4366), (552, 4372), (598, 4468), (614, 4486), (633, 4516), (649, 4552), (674, 4615), (695, 4660), (725, 4750),

(734, 4765), (738, 4777), (741, 4786), (757, 4810), (787, 4879), (807, 4921), (811, 4933), (812, 4936), (844, 5002), (850, 5008),

Gene: Wolpertinger_12 Start: 9787, Stop: 11244, Start Num: 127

Candidate Starts for Wolpertinger_12:

(Start: 127 @9787 has 330 MA's), (169, 9832), (182, 9847), (233, 9952), (365, 10234), (382, 10267), (489, 10423), (534, 10495), (545, 10522), (549, 10528), (563, 10549), (587, 10600), (720, 10864), (735, 10894), (743, 10915), (749, 10930), (757, 10942), (762, 10951), (802, 11038), (812, 11068), (824, 11098), (842, 11128), (908, 11194),

Gene: Wooldri_16 Start: 8565, Stop: 10019, Start Num: 124

Candidate Starts for Wooldri_16:

(Start: 124 @8565 has 299 MA's), (Start: 157 @8595 has 14 MA's), (182, 8622), (233, 8727), (298, 8841), (320, 8907), (343, 8964), (382, 9042), (384, 9045), (482, 9186), (545, 9297), (549, 9303), (563, 9324), (663, 9489), (710, 9615), (735, 9669), (737, 9675), (743, 9690), (762, 9726), (802, 9813), (812, 9843), (824, 9873), (857, 9918), (867, 9927),

Gene: WorldCup_11 Start: 7969, Stop: 9453, Start Num: 127

Candidate Starts for WorldCup_11:

(Start: 127 @7969 has 330 MA's), (182, 8029), (225, 8116), (233, 8134), (329, 8344), (365, 8416), (402, 8473), (466, 8560), (482, 8593), (508, 8629), (514, 8638), (534, 8677), (545, 8704), (549, 8710), (563, 8731), (566, 8737), (587, 8782), (624, 8821), (735, 9079), (741, 9097), (757, 9127), (762, 9136), (810, 9247), (812, 9253), (824, 9283), (857, 9328), (867, 9337),

Gene: Wrigley_3 Start: 2278, Stop: 3726, Start Num: 126

Candidate Starts for Wrigley_3:

(51, 2125), (Start: 126 @2278 has 23 MA's), (Start: 140 @2296 has 4 MA's), (245, 2464), (257, 2497), (292, 2545), (314, 2602), (319, 2617), (442, 2812), (484, 2881), (489, 2890), (549, 2995), (600, 3097), (619, 3121), (628, 3130), (645, 3166), (667, 3220), (687, 3274), (704, 3319), (721, 3364), (739, 3403), (740, 3406), (741, 3409), (767, 3454), (886, 3673),

Gene: WunderPhul_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for WunderPhul_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: Wyatt2_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Wyatt2_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Wyvern_10 Start: 4602, Stop: 6374, Start Num: 183

Candidate Starts for Wyvern_10:

(29, 4152), (34, 4203), (56, 4434), (95, 4506), (Start: 160 @4566 has 1 MA's), (161, 4569), (165, 4575), (Start: 183 @4602 has 1 MA's), (Start: 187 @4611 has 1 MA's), (217, 4674), (302, 4893), (346, 5007), (368, 5055), (395, 5103), (430, 5145), (497, 5286), (616, 5523), (636, 5556), (675, 5661), (678, 5670), (781, 5913), (786, 5925), (802, 5955), (892, 6114), (932, 6189),

Gene: XFactor_3 Start: 2255, Stop: 3625, Start Num: 156

Candidate Starts for XFactor_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (252, 2438), (253, 2441), (290, 2510), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (684, 3233), (686, 3239), (688, 3245), (710, 3302), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575), (833, 3593),

Gene: Xena_12 Start: 8575, Stop: 10032, Start Num: 124

Candidate Starts for Xena_12:

(Start: 124 @8575 has 299 MA's), (229, 8725), (233, 8737), (308, 8884), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (489, 9211), (508, 9235), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (743, 9718), (757, 9745), (798, 9835), (812, 9871), (816, 9883), (824, 9901), (845, 9931),

Gene: XianYue_13 Start: 9147, Stop: 10622, Start Num: 127

Candidate Starts for XianYue_13:

(Start: 127 @9147 has 330 MA's), (182, 9207), (233, 9312), (365, 9594), (382, 9627), (484, 9774), (489, 9783), (534, 9855), (545, 9882), (549, 9888), (563, 9909), (587, 9960), (682, 10122), (735, 10254), (743, 10275), (757, 10302), (762, 10311), (812, 10428), (824, 10458), (842, 10488), (867, 10512), (934, 10599),

Gene: Ximenita_9 Start: 3130, Stop: 4680, Start Num: 83

Candidate Starts for Ximenita_9:

(44, 2998), (46, 3025), (Start: 75 @3115 has 32 MA's), (Start: 83 @3130 has 142 MA's), (116, 3160), (182, 3238), (232, 3343), (252, 3385), (305, 3487), (319, 3523), (327, 3550), (369, 3628), (388, 3667), (428, 3724), (467, 3793), (479, 3817), (495, 3853), (501, 3865), (522, 3898), (537, 3931), (546, 3952), (558, 3973), (575, 4003), (624, 4036), (635, 4054), (670, 4144), (672, 4147), (677, 4162), (699, 4198), (701, 4204), (711, 4246), (735, 4297), (741, 4315), (785, 4408), (787, 4411), (803, 4432), (811, 4456), (812, 4459), (813, 4468),

Gene: Y10_10 Start: 3922, Stop: 5508, Start Num: 81

Candidate Starts for Y10_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (319, 4333), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Y2_10 Start: 3922, Stop: 5508, Start Num: 81

Candidate Starts for Y2_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (319, 4333), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Yakult_6 Start: 2761, Stop: 4203, Start Num: 159

Candidate Starts for Yakult_6:

(Start: 159 @2761 has 63 MA's), (182, 2776), (231, 2878), (246, 2899), (247, 2902), (257, 2929), (276, 2965), (313, 3034), (322, 3064), (327, 3079), (353, 3121), (395, 3196), (484, 3325), (489, 3334), (494, 3337), (531, 3397), (537, 3415), (539, 3421), (549, 3439), (552, 3445), (633, 3589), (637, 3598), (674, 3688), (680, 3703), (741, 3859), (757, 3883), (762, 3892), (768, 3901), (791, 3961), (800, 3976), (835, 4066), (848, 4081), (923, 4192),

Gene: Yang_3 Start: 2261, Stop: 3796, Start Num: 145

Candidate Starts for Yang_3:

(Start: 145 @2261 has 30 MA's), (Start: 222 @2381 has 4 MA's), (266, 2480), (421, 2744), (580, 3017), (678, 3182), (699, 3221), (705, 3251), (713, 3275), (799, 3449), (813, 3494), (857, 3560), (895, 3608), (913, 3638), (924, 3659), (935, 3683), (942, 3710),

Gene: YangYin_3 Start: 1990, Stop: 3513, Start Num: 124

Candidate Starts for YangYin_3:

(Start: 69 @1909 has 1 MA's), (79, 1927), (Start: 124 @1990 has 299 MA's), (161, 2035), (164, 2038), (226, 2146), (246, 2179), (315, 2326), (316, 2329), (382, 2464), (439, 2539), (442, 2545), (449, 2548), (482, 2611), (494, 2623), (532, 2686), (549, 2725), (614, 2845), (649, 2902), (666, 2944), (667, 2947), (673, 2962), (674, 2965), (741, 3139), (848, 3370), (902, 3430),

Gene: Yara_8 Start: 3997, Stop: 5562, Start Num: 102

Candidate Starts for Yara_8:

(Start: 102 @3997 has 24 MA's), (Start: 131 @4036 has 70 MA's), (189, 4114), (190, 4117), (195, 4126), (198, 4135), (204, 4156), (217, 4171), (226, 4189), (365, 4471), (368, 4477), (395, 4525), (479, 4639), (486, 4648), (492, 4660), (545, 4762), (659, 4981), (674, 5020), (675, 5023), (737, 5185), (739, 5191), (799, 5314), (812, 5350), (842, 5407), (888, 5458), (894, 5470), (907, 5491),

Gene: Yarn_4 Start: 2790, Stop: 4244, Start Num: 159

Candidate Starts for Yarn_4:

(Start: 159 @2790 has 63 MA's), (184, 2814), (242, 2928), (246, 2937), (297, 3018), (322, 3102), (365, 3183), (466, 3330), (489, 3372), (525, 3423), (537, 3453), (545, 3471), (549, 3477), (663, 3705), (674, 3732), (680, 3747), (687, 3768), (718, 3852), (730, 3876), (800, 4020), (807, 4038), (811, 4050), (812, 4053), (835, 4110), (836, 4113), (923, 4221),

Gene: Yasdnil_7 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Yasdnil_7:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (249, 4232), (266, 4271), (328, 4424), (361, 4454), (412, 4538), (444, 4580), (477, 4640), (479, 4646), (530, 4736), (534, 4748), (573, 4823), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (760, 5234), (773, 5258), (827, 5390), (908, 5477),

Gene: YasnayaPolyana_10 Start: 3946, Stop: 5508, Start Num: 101

Candidate Starts for YasnayaPolyana_10:

(Start: 75 @3907 has 32 MA's), (Start: 81 @3922 has 28 MA's), (Start: 101 @3946 has 1 MA's), (Start: 154 @4012 has 46 MA's), (186, 4057), (Start: 222 @4129 has 4 MA's), (248, 4186), (252, 4195), (253, 4198), (266, 4228), (305, 4297), (314, 4318), (324, 4354), (327, 4360), (345, 4384), (362, 4420), (369, 4435), (388, 4474), (476, 4609), (479, 4618), (488, 4636), (500, 4663), (501, 4666), (522, 4699), (537, 4732), (546, 4753), (558, 4774), (624, 4837), (637, 4861), (645, 4885), (666, 4933), (670, 4945), (675, 4957), (677, 4963), (697, 5002), (739, 5116), (741, 5122), (803, 5293), (812, 5320), (813, 5329), (845, 5392), (857, 5404),

Gene: Yecey3_13 Start: 8082, Stop: 9566, Start Num: 127

Candidate Starts for Yecey3_13:

(Start: 127 @8082 has 330 MA's), (135, 8094), (182, 8142), (233, 8247), (298, 8361), (329, 8457), (365, 8529), (476, 8688), (508, 8742), (514, 8751), (534, 8790), (545, 8817), (549, 8823), (563, 8844), (587, 8895), (667, 9018), (735, 9189), (741, 9207), (757, 9237), (762, 9246), (802, 9333), (810, 9357), (812, 9363), (824, 9393), (857, 9438), (867, 9447),

Gene: YesChef_3 Start: 2320, Stop: 3696, Start Num: 148

Candidate Starts for YesChef_3:

(Start: 148 @2320 has 57 MA's), (Start: 222 @2440 has 4 MA's), (266, 2539), (290, 2578), (421, 2803), (484, 2896), (580, 3076), (678, 3244), (699, 3283), (705, 3313), (713, 3337), (799, 3511), (803, 3520), (864, 3631),

Gene: Yndexa_27 Start: 13681, Stop: 15303, Start Num: 84

Candidate Starts for Yndexa_27:

(Start: 84 @13681 has 7 MA's), (Start: 121 @13726 has 32 MA's), (Start: 140 @13750 has 4 MA's), (Start: 148 @13759 has 57 MA's), (460, 14365), (496, 14410), (570, 14542), (581, 14572), (633, 14653), (667, 14749), (678, 14779), (684, 14794), (735, 14917), (738, 14926), (750, 14962), (759, 14986), (788, 15052), (799, 15070), (803, 15079), (818, 15124),

Gene: YoSam321_12 Start: 8578, Stop: 10029, Start Num: 124

Candidate Starts for YoSam321_12:

(Start: 124 @8578 has 299 MA's), (229, 8725), (233, 8737), (316, 8905), (324, 8935), (343, 8974), (352, 8992), (382, 9052), (476, 9181), (482, 9199), (531, 9274), (545, 9310), (549, 9316), (563, 9337), (566, 9343), (599, 9412), (642, 9472), (663, 9517), (710, 9643), (711, 9646), (735, 9697), (737, 9703), (743, 9718), (757, 9748), (798, 9838), (812, 9874), (824, 9904), (845, 9934),

Gene: Yogi_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Yogi_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (670, 5765), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Yokurt_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for Yokurt_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: Yoncess_9 Start: 4835, Stop: 6265, Start Num: 124

Candidate Starts for Yoncess_9:

(Start: 124 @4835 has 299 MA's), (247, 5012), (255, 5033), (266, 5060), (273, 5075), (308, 5138), (355, 5252), (449, 5381), (488, 5453), (538, 5540), (541, 5549), (545, 5555), (574, 5603), (604, 5657), (624, 5672), (630, 5681), (663, 5747), (667, 5756), (721, 5900), (741, 5945), (743, 5948), (787, 6041), (812, 6098), (824, 6128), (836, 6155), (848, 6167), (854, 6173),

Gene: Yorick_3 Start: 2239, Stop: 3609, Start Num: 156

Candidate Starts for Yorick_3:

(Start: 156 @2239 has 163 MA's), (Start: 180 @2275 has 9 MA's), (Start: 193 @2299 has 1 MA's), (196, 2308), (198, 2314), (199, 2317), (Start: 222 @2356 has 4 MA's), (252, 2422), (253, 2425), (290, 2494), (305, 2533), (309, 2542), (324, 2590), (365, 2650), (391, 2698), (423, 2743), (465, 2788), (490, 2815), (514, 2860), (532, 2881), (533, 2884), (534, 2887), (541, 2908), (546, 2917), (575, 2968), (576,

2971), (579, 2980), (592, 3010), (603, 3031), (641, 3100), (646, 3109), (662, 3160), (664, 3163), (686, 3223), (688, 3229), (718, 3307), (735, 3340), (739, 3352), (754, 3391), (769, 3415), (833, 3577),

Gene: Yoshi_4 Start: 2180, Stop: 3604, Start Num: 123

Candidate Starts for Yoshi_4:

(Start: 123 @2180 has 47 MA's), (Start: 154 @2213 has 46 MA's), (194, 2273), (224, 2327), (226, 2336), (246, 2369), (270, 2432), (302, 2477), (316, 2519), (319, 2528), (329, 2561), (352, 2588), (382, 2648), (388, 2657), (390, 2660), (421, 2693), (435, 2714), (460, 2756), (479, 2786), (482, 2795), (494, 2807), (496, 2810), (531, 2867), (532, 2870), (534, 2876), (542, 2900), (556, 2921), (559, 2927), (583, 2972), (596, 3005), (602, 3020), (649, 3086), (671, 3140), (687, 3185), (696, 3200), (719, 3272), (739, 3317), (741, 3323), (787, 3431), (791, 3440), (797, 3449), (809, 3479), (813, 3494), (825, 3521),

Gene: Yosif_8 Start: 4526, Stop: 5956, Start Num: 155

Candidate Starts for Yosif_8:

(Start: 155 @4526 has 140 MA's), (Start: 222 @4643 has 4 MA's), (249, 4703), (305, 4838), (314, 4859), (371, 4946), (477, 5111), (487, 5129), (530, 5204), (534, 5216), (573, 5291), (579, 5309), (629, 5384), (659, 5459), (669, 5486), (709, 5591), (768, 5711), (773, 5723), (812, 5813), (827, 5855), (908, 5945),

Gene: YoungHarleezy_4 Start: 2273, Stop: 3610, Start Num: 155

Candidate Starts for YoungHarleezy_4:

(68, 2153), (Start: 69 @2156 has 1 MA's), (89, 2195), (92, 2198), (Start: 102 @2210 has 24 MA's), (Start: 129 @2246 has 6 MA's), (Start: 140 @2261 has 4 MA's), (Start: 155 @2273 has 140 MA's), (224, 2384), (229, 2396), (353, 2654), (382, 2711), (418, 2759), (480, 2855), (489, 2873), (498, 2882), (541, 2963), (549, 2975), (551, 2978), (565, 3002), (585, 3044), (667, 3170), (687, 3224), (710, 3287), (734, 3338), (738, 3350), (758, 3389), (787, 3455), (824, 3536), (825, 3539), (828, 3545), (877, 3596),

Gene: YoureAdopted_8 Start: 2996, Stop: 4552, Start Num: 83

Candidate Starts for YoureAdopted_8:

(46, 2894), (Start: 75 @2981 has 32 MA's), (Start: 83 @2996 has 142 MA's), (175, 3095), (182, 3104), (215, 3176), (Start: 222 @3185 has 4 MA's), (232, 3209), (248, 3242), (252, 3251), (266, 3284), (305, 3353), (314, 3374), (327, 3416), (362, 3482), (369, 3497), (414, 3572), (428, 3593), (458, 3647), (522, 3767), (537, 3800), (546, 3821), (558, 3842), (575, 3872), (624, 3905), (635, 3923), (666, 4001), (670, 4013), (672, 4016), (676, 4028), (677, 4031), (699, 4067), (711, 4115), (735, 4166), (741, 4184), (787, 4280), (803, 4301), (812, 4328), (813, 4337), (828, 4373),

Gene: Yucky_5 Start: 3435, Stop: 4868, Start Num: 159

Candidate Starts for Yucky_5:

(Start: 159 @3435 has 63 MA's), (184, 3459), (255, 3603), (257, 3609), (276, 3645), (302, 3681), (306, 3699), (319, 3732), (326, 3756), (365, 3825), (382, 3858), (489, 4014), (525, 4065), (537, 4095), (549, 4119), (574, 4161), (602, 4230), (618, 4248), (645, 4296), (674, 4368), (741, 4539), (762, 4572), (787, 4632), (798, 4653), (811, 4686), (835, 4746), (836, 4749), (923, 4860),

Gene: Yummy_6 Start: 2693, Stop: 4147, Start Num: 159

Candidate Starts for Yummy_6:

(Start: 159 @2693 has 63 MA's), (184, 2717), (242, 2831), (246, 2840), (305, 2957), (320, 2996), (322, 3005), (365, 3086), (466, 3233), (489, 3275), (537, 3356), (545, 3374), (549, 3380), (601, 3488), (663, 3608), (674, 3635), (687, 3671), (730, 3779), (739, 3800), (800, 3923), (811, 3953), (835, 4013), (836, 4016), (845, 4025), (923, 4124),

Gene: Yuna_9 Start: 3102, Stop: 4664, Start Num: 83

Candidate Starts for Yuna_9:

(44, 2970), (46, 2997), (Start: 75 @3087 has 32 MA's), (Start: 83 @3102 has 142 MA's), (162, 3198), (182, 3219), (186, 3228), (189, 3234), (195, 3249), (199, 3261), (Start: 222 @3300 has 4 MA's), (232, 3324), (252, 3366), (305, 3468), (314, 3489), (319, 3504), (362, 3594), (369, 3609), (428, 3705), (433, 3714), (441, 3729), (501, 3846), (522, 3879), (537, 3912), (546, 3933), (558, 3954), (575, 3984), (624, 4017), (635, 4035), (666, 4113), (670, 4125), (676, 4140), (677, 4143), (699, 4179), (711, 4227), (735, 4278), (741, 4296), (780, 4377), (785, 4389), (803, 4413), (812, 4440), (813, 4449),

Gene: Yunkel11_9 Start: 3023, Stop: 4576, Start Num: 83

Candidate Starts for Yunkel11_9:

(Start: 75 @3008 has 32 MA's), (Start: 83 @3023 has 142 MA's), (175, 3116), (182, 3125), (195, 3155), (232, 3230), (248, 3263), (252, 3272), (305, 3374), (314, 3395), (319, 3410), (324, 3431), (327, 3437), (369, 3515), (388, 3554), (428, 3611), (522, 3785), (546, 3839), (558, 3860), (575, 3890), (624, 3923), (666, 4019), (670, 4031), (672, 4034), (676, 4046), (677, 4049), (682, 4061), (693, 4082), (699, 4085), (741, 4202), (785, 4295), (803, 4319), (811, 4343), (812, 4346), (813, 4355), (857, 4430), (899, 4478),

Gene: Yvonnetastic_29 Start: 12189, Stop: 13751, Start Num: 104

Candidate Starts for Yvonnetastic_29:

(54, 12105), (Start: 104 @12189 has 19 MA's), (Start: 143 @12240 has 5 MA's), (Start: 151 @12249 has 63 MA's), (Start: 222 @12366 has 4 MA's), (238, 12399), (258, 12447), (259, 12450), (266, 12465), (269, 12474), (304, 12534), (311, 12555), (330, 12612), (365, 12678), (368, 12684), (379, 12708), (401, 12741), (433, 12795), (435, 12798), (508, 12918), (539, 12972), (541, 12978), (576, 13041), (617, 13149), (678, 13308), (686, 13329), (704, 13374), (710, 13392), (737, 13452), (741, 13464), (742, 13467), (820, 13647), (825, 13662), (831, 13677),

Gene: Zabiza_9 Start: 3020, Stop: 4579, Start Num: 83

Candidate Starts for Zabiza_9:

(46, 2918), (Start: 75 @3005 has 32 MA's), (Start: 83 @3020 has 142 MA's), (175, 3122), (182, 3131), (215, 3203), (Start: 222 @3212 has 4 MA's), (232, 3236), (248, 3269), (252, 3278), (266, 3311), (281, 3329), (305, 3380), (314, 3401), (327, 3443), (362, 3509), (369, 3524), (414, 3599), (428, 3620), (458, 3674), (522, 3794), (537, 3827), (546, 3848), (558, 3869), (575, 3899), (624, 3932), (635, 3950), (666, 4028), (670, 4040), (672, 4043), (676, 4055), (677, 4058), (699, 4094), (711, 4142), (735, 4193), (741, 4211), (787, 4307), (803, 4328), (812, 4355), (813, 4364), (828, 4400),

Gene: Zainub_9 Start: 4426, Stop: 5895, Start Num: 155

Candidate Starts for Zainub_9:

(Start: 155 @4426 has 140 MA's), (Start: 222 @4543 has 4 MA's), (249, 4603), (266, 4642), (305, 4735), (314, 4756), (444, 4948), (458, 4975), (500, 5053), (534, 5113), (554, 5155), (573, 5188), (579, 5206), (585, 5224), (589, 5233), (620, 5314), (645, 5371), (667, 5422), (669, 5428), (741, 5608), (773, 5665), (812, 5755), (813, 5764), (908, 5881),

Gene: Zaka_16 Start: 9265, Stop: 10731, Start Num: 127

Candidate Starts for Zaka_16:

(Start: 127 @9265 has 330 MA's), (Start: 143 @9286 has 5 MA's), (182, 9325), (225, 9412), (230, 9424), (233, 9430), (365, 9712), (400, 9766), (504, 9925), (534, 9976), (545, 10003), (549, 10009), (563, 10030), (632, 10132), (682, 10243), (743, 10396), (749, 10411), (757, 10423), (762, 10432), (789, 10498), (802, 10519), (812, 10549), (824, 10579), (842, 10609),

Gene: Zakai_5 Start: 2626, Stop: 4281, Start Num: 131

Candidate Starts for Zakai_5:

(Start: 131 @2626 has 70 MA's), (182, 2689), (219, 2767), (249, 2827), (253, 2836), (263, 2860), (266, 2866), (305, 2938), (327, 3001), (367, 3052), (441, 3145), (469, 3184), (495, 3247), (501, 3259), (506, 3268), (510, 3274), (512, 3277), (527, 3298), (535, 3319), (537, 3325), (557, 3364), (622, 3460), (638, 3487), (682, 3595), (684, 3601), (720, 3694), (734, 3721), (767, 3784), (775, 3805), (782, 3826), (799,

3853), (803, 3862), (824, 3922), (840, 3952), (849, 3961), (855, 3967), (925, 4069), (938, 4102), (945, 4141), (956, 4246),

Gene: ZamZam_7 Start: 4178, Stop: 5602, Start Num: 155

Candidate Starts for ZamZam_7:

(Start: 155 @4178 has 140 MA's), (Start: 222 @4295 has 4 MA's), (246, 4343), (249, 4355), (305, 4490), (408, 4655), (458, 4730), (477, 4763), (479, 4769), (534, 4868), (573, 4943), (579, 4961), (610, 5000), (629, 5036), (645, 5081), (669, 5138), (709, 5243), (773, 5375), (827, 5507), (850, 5537), (903, 5588),

Gene: Zapner_5 Start: 2705, Stop: 4129, Start Num: 123

Candidate Starts for Zapner_5:

(Start: 123 @2705 has 47 MA's), (Start: 154 @2738 has 46 MA's), (192, 2792), (224, 2852), (226, 2861), (246, 2894), (258, 2927), (270, 2957), (302, 3002), (306, 3020), (316, 3044), (319, 3053), (352, 3113), (382, 3173), (388, 3182), (390, 3185), (421, 3218), (435, 3239), (460, 3281), (482, 3320), (494, 3332), (496, 3335), (531, 3392), (532, 3395), (534, 3401), (539, 3416), (556, 3446), (559, 3452), (596, 3530), (649, 3611), (671, 3665), (687, 3710), (696, 3725), (719, 3797), (739, 3842), (741, 3848), (787, 3956), (791, 3965), (797, 3974), (809, 4004), (813, 4019), (825, 4046),

Gene: Zарафа_12 Start: 8255, Stop: 9721, Start Num: 127

Candidate Starts for Zарафа_12:

(Start: 127 @8255 has 330 MA's), (233, 8426), (273, 8510), (308, 8573), (320, 8606), (324, 8624), (343, 8663), (355, 8690), (381, 8738), (480, 8879), (484, 8888), (534, 8969), (542, 8993), (545, 8996), (549, 9002), (563, 9023), (566, 9029), (663, 9200), (710, 9326), (711, 9329), (735, 9380), (737, 9386), (743, 9401), (757, 9431), (812, 9557), (824, 9587), (845, 9617),

Gene: Zareef_7 Start: 3687, Stop: 5132, Start Num: 159

Candidate Starts for Zareef_7:

(Start: 159 @3687 has 63 MA's), (Start: 179 @3699 has 2 MA's), (182, 3705), (199, 3747), (214, 3777), (255, 3855), (301, 3924), (365, 4071), (471, 4230), (488, 4260), (496, 4269), (537, 4344), (549, 4368), (552, 4374), (598, 4470), (614, 4488), (633, 4518), (649, 4554), (674, 4617), (695, 4662), (725, 4752), (734, 4767), (738, 4779), (741, 4788), (757, 4812), (787, 4881), (807, 4923), (811, 4935), (812, 4938), (844, 5004), (850, 5010),

Gene: Zaria_5 Start: 2625, Stop: 4298, Start Num: 131

Candidate Starts for Zaria_5:

(Start: 131 @2625 has 70 MA's), (182, 2688), (201, 2742), (219, 2766), (253, 2835), (263, 2859), (305, 2937), (319, 2973), (374, 3066), (377, 3069), (441, 3144), (469, 3183), (495, 3246), (510, 3273), (512, 3276), (527, 3297), (535, 3318), (555, 3360), (557, 3363), (626, 3465), (634, 3480), (638, 3486), (672, 3567), (682, 3594), (684, 3600), (720, 3693), (734, 3720), (737, 3729), (767, 3783), (775, 3804), (782, 3825), (799, 3852), (803, 3861), (824, 3921), (840, 3951), (849, 3960), (925, 4068), (956, 4263),

Gene: Zavala_9 Start: 3005, Stop: 4561, Start Num: 83

Candidate Starts for Zavala_9:

(46, 2903), (Start: 75 @2990 has 32 MA's), (Start: 83 @3005 has 142 MA's), (175, 3104), (182, 3113), (215, 3185), (Start: 222 @3194 has 4 MA's), (232, 3218), (248, 3251), (252, 3260), (266, 3293), (305, 3362), (314, 3383), (327, 3425), (362, 3491), (369, 3506), (414, 3581), (428, 3602), (458, 3656), (522, 3776), (537, 3809), (546, 3830), (558, 3851), (575, 3881), (624, 3914), (635, 3932), (666, 4010), (670, 4022), (672, 4025), (676, 4037), (677, 4040), (699, 4076), (711, 4124), (735, 4175), (741, 4193), (787, 4289), (803, 4310), (812, 4337), (813, 4346), (828, 4382),

Gene: Zeeculate_11 Start: 8407, Stop: 9849, Start Num: 158

Candidate Starts for Zeeculate_11:

(109, 8341), (Start: 158 @8407 has 220 MA's), (263, 8605), (365, 8818), (482, 9013), (489, 9025), (545, 9124), (584, 9196), (667, 9319), (682, 9358), (710, 9436), (712, 9442), (735, 9490), (739, 9502), (743, 9511), (785, 9601), (824, 9691), (845, 9724), (857, 9736),

Gene: Zemlya_8 Start: 4055, Stop: 5491, Start Num: 155

Candidate Starts for Zemlya_8:

(Start: 144 @4049 has 15 MA's), (Start: 155 @4055 has 140 MA's), (174, 4079), (188, 4103), (Start: 222 @4172 has 4 MA's), (246, 4220), (266, 4271), (328, 4424), (361, 4454), (412, 4538), (444, 4580), (479, 4646), (530, 4736), (534, 4748), (579, 4841), (629, 4919), (645, 4964), (669, 5021), (678, 5045), (760, 5234), (773, 5258), (908, 5477),

Gene: ZenTime222_4 Start: 2624, Stop: 4189, Start Num: 85

Candidate Starts for ZenTime222_4:

(57, 2567), (61, 2576), (63, 2579), (Start: 85 @2624 has 7 MA's), (100, 2642), (166, 2732), (177, 2741), (184, 2753), (246, 2870), (267, 2924), (273, 2936), (291, 2960), (321, 3035), (324, 3050), (330, 3062), (335, 3074), (365, 3113), (438, 3230), (448, 3239), (453, 3248), (480, 3296), (494, 3317), (523, 3362), (525, 3365), (545, 3413), (568, 3449), (598, 3506), (643, 3563), (675, 3647), (682, 3665), (704, 3728), (720, 3770), (735, 3800), (798, 3932), (817, 3983), (857, 4046), (864, 4055),

Gene: Zephyr_12 Start: 8548, Stop: 9990, Start Num: 158

Candidate Starts for Zephyr_12:

(109, 8482), (Start: 158 @8548 has 220 MA's), (263, 8746), (365, 8959), (450, 9088), (482, 9154), (488, 9163), (545, 9265), (584, 9337), (667, 9460), (682, 9499), (710, 9577), (712, 9583), (735, 9631), (739, 9643), (743, 9652), (785, 9742), (824, 9832), (845, 9865), (857, 9877),

Gene: Zerg_3 Start: 2240, Stop: 3610, Start Num: 156

Candidate Starts for Zerg_3:

(Start: 156 @2240 has 163 MA's), (Start: 180 @2276 has 9 MA's), (Start: 193 @2300 has 1 MA's), (196, 2309), (198, 2315), (199, 2318), (Start: 222 @2357 has 4 MA's), (252, 2423), (253, 2426), (290, 2495), (305, 2534), (309, 2543), (324, 2591), (365, 2651), (391, 2699), (423, 2744), (465, 2789), (490, 2816), (514, 2861), (532, 2882), (533, 2885), (534, 2888), (541, 2909), (546, 2918), (575, 2969), (576, 2972), (579, 2981), (592, 3011), (603, 3032), (641, 3101), (646, 3110), (662, 3161), (664, 3164), (686, 3224), (688, 3230), (718, 3308), (735, 3341), (739, 3353), (754, 3392), (769, 3416), (833, 3578),

Gene: Zeta1847_3 Start: 2253, Stop: 3662, Start Num: 148

Candidate Starts for Zeta1847_3:

(Start: 148 @2253 has 57 MA's), (Start: 222 @2373 has 4 MA's), (478, 2817), (495, 2853), (500, 2862), (527, 2898), (548, 2949), (557, 2964), (561, 2970), (686, 3216), (744, 3360), (778, 3417), (799, 3456), (812, 3492), (867, 3576), (924, 3651),

Gene: Zetzy_13 Start: 8219, Stop: 9673, Start Num: 124

Candidate Starts for Zetzy_13:

(Start: 124 @8219 has 299 MA's), (Start: 157 @8249 has 14 MA's), (182, 8276), (233, 8381), (298, 8495), (320, 8561), (343, 8618), (355, 8645), (382, 8696), (482, 8840), (545, 8951), (549, 8957), (563, 8978), (663, 9143), (710, 9269), (735, 9323), (737, 9329), (743, 9344), (762, 9380), (802, 9467), (812, 9497), (824, 9527), (857, 9572), (867, 9581),

Gene: Zeuska_13 Start: 9226, Stop: 10668, Start Num: 158

Candidate Starts for Zeuska_13:

(109, 9160), (Start: 158 @9226 has 220 MA's), (263, 9424), (365, 9637), (482, 9832), (489, 9844), (545, 9943), (667, 10138), (682, 10177), (710, 10255), (712, 10261), (735, 10309), (739, 10321), (743, 10330), (785, 10420), (824, 10510), (845, 10543), (857, 10555),

Gene: ZhongYanYuan_4 Start: 2470, Stop: 4125, Start Num: 131

Candidate Starts for ZhongYanYuan_4:

(Start: 131 @2470 has 70 MA's), (182, 2533), (219, 2611), (253, 2680), (263, 2704), (266, 2710), (305, 2782), (319, 2818), (327, 2845), (367, 2896), (441, 2989), (469, 3028), (492, 3085), (495, 3091), (501, 3103), (506, 3112), (510, 3118), (512, 3121), (527, 3142), (535, 3163), (537, 3169), (557, 3208), (622, 3304), (638, 3331), (682, 3439), (684, 3445), (720, 3538), (734, 3565), (767, 3628), (775, 3649), (782, 3670), (799, 3697), (803, 3706), (824, 3766), (840, 3796), (849, 3805), (855, 3811), (919, 3901), (925, 3913), (938, 3946), (945, 3985), (956, 4090),

Gene: Ziko_38 Start: 12130, Stop: 13536, Start Num: 157

Candidate Starts for Ziko_38:

(Start: 157 @12130 has 14 MA's), (189, 12169), (206, 12217), (243, 12277), (305, 12403), (327, 12466), (329, 12472), (356, 12517), (436, 12652), (480, 12721), (527, 12802), (535, 12823), (546, 12850), (624, 12934), (670, 13042), (716, 13165), (732, 13195), (734, 13198), (787, 13306), (789, 13312), (808, 13342), (811, 13351), (812, 13354), (813, 13363), (859, 13435), (867, 13444), (879, 13459),

Gene: Zimmer_15 Start: 10806, Stop: 12263, Start Num: 127

Candidate Starts for Zimmer_15:

(Start: 127 @10806 has 330 MA's), (182, 10866), (233, 10971), (255, 11013), (298, 11085), (329, 11181), (365, 11253), (382, 11286), (481, 11427), (488, 11439), (534, 11514), (545, 11541), (549, 11547), (563, 11568), (587, 11619), (735, 11913), (741, 11931), (749, 11949), (757, 11961), (762, 11970), (787, 12030), (812, 12087), (824, 12117), (828, 12126), (842, 12147), (854, 12159), (930, 12240),

Gene: Zion_13 Start: 8757, Stop: 10319, Start Num: 129

Candidate Starts for Zion_13:

(Start: 117 @8742 has 8 MA's), (Start: 129 @8757 has 6 MA's), (178, 8820), (188, 8841), (201, 8883), (234, 8943), (238, 8952), (244, 8961), (258, 9000), (305, 9096), (355, 9216), (360, 9222), (389, 9285), (394, 9291), (477, 9405), (487, 9426), (515, 9480), (532, 9504), (570, 9579), (576, 9594), (581, 9609), (641, 9714), (646, 9723), (684, 9831), (739, 9963), (764, 10026), (782, 10071), (804, 10116), (806, 10122), (813, 10149), (818, 10158), (824, 10173), (899, 10257),

Gene: Zizzle_3 Start: 2255, Stop: 3613, Start Num: 156

Candidate Starts for Zizzle_3:

(Start: 156 @2255 has 163 MA's), (Start: 180 @2291 has 9 MA's), (Start: 193 @2315 has 1 MA's), (196, 2324), (198, 2330), (199, 2333), (Start: 222 @2372 has 4 MA's), (250, 2435), (252, 2438), (253, 2441), (290, 2510), (293, 2516), (305, 2549), (309, 2558), (324, 2606), (365, 2666), (375, 2687), (391, 2714), (423, 2759), (465, 2804), (490, 2831), (514, 2876), (532, 2897), (533, 2900), (534, 2903), (541, 2924), (546, 2933), (575, 2984), (576, 2987), (579, 2996), (592, 3026), (603, 3047), (641, 3116), (646, 3125), (662, 3176), (664, 3179), (686, 3239), (688, 3245), (735, 3356), (739, 3368), (751, 3401), (754, 3407), (769, 3431), (826, 3575),

Gene: ZoMa_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for ZoMa_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (439, 2449), (442, 2455), (454, 2467), (482, 2518), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: ZoeJ_5 Start: 2085, Stop: 3584, Start Num: 81

Candidate Starts for ZoeJ_5:

(43, 1944), (Start: 75 @2070 has 32 MA's), (Start: 81 @2085 has 28 MA's), (182, 2187), (189, 2202), (Start: 222 @2268 has 4 MA's), (237, 2301), (248, 2325), (253, 2337), (263, 2361), (266, 2367), (301, 2418), (305, 2436), (314, 2457), (324, 2493), (327, 2499), (345, 2523), (362, 2559), (414, 2649), (479, 2757), (500, 2802), (501, 2805), (506, 2814), (522, 2838), (546, 2892), (558, 2913), (575, 2943), (624, 2976), (635, 2994), (637, 3000), (645, 3024), (670, 3084), (675, 3096), (677, 3102), (697, 3141), (735, 3243), (741, 3261), (768, 3306), (808, 3393), (811, 3402), (812, 3405), (813, 3414), (835, 3465), (877, 3510), (924, 3561),

Gene: Zolita_9 Start: 8017, Stop: 9450, Start Num: 127

Candidate Starts for Zolita_9:

(Start: 127 @8017 has 330 MA's), (229, 8152), (247, 8185), (252, 8200), (255, 8206), (266, 8233), (329, 8374), (343, 8401), (382, 8479), (449, 8560), (482, 8623), (484, 8626), (488, 8632), (489, 8635), (534, 8707), (549, 8740), (563, 8761), (577, 8791), (710, 9052), (735, 9106), (741, 9124), (762, 9163), (812, 9280), (824, 9310), (857, 9355), (867, 9364),

Gene: Zombie_3 Start: 1888, Stop: 3402, Start Num: 105

Candidate Starts for Zombie_3:

(14, 1321), (24, 1489), (26, 1504), (39, 1633), (Start: 105 @1888 has 79 MA's), (161, 1951), (164, 1954), (173, 1963), (246, 2095), (315, 2242), (316, 2245), (362, 2335), (382, 2374), (390, 2386), (439, 2449), (442, 2455), (471, 2497), (494, 2530), (532, 2593), (549, 2632), (574, 2674), (591, 2719), (602, 2743), (614, 2752), (649, 2809), (666, 2851), (673, 2869), (674, 2872), (735, 3028), (776, 3118), (789, 3154), (811, 3205), (821, 3229),

Gene: Zucker_4 Start: 2313, Stop: 3752, Start Num: 127

Candidate Starts for Zucker_4:

(Start: 127 @2313 has 330 MA's), (141, 2328), (182, 2373), (198, 2412), (201, 2427), (236, 2478), (246, 2496), (255, 2520), (288, 2580), (313, 2637), (322, 2667), (398, 2802), (422, 2820), (456, 2859), (532, 2985), (537, 3000), (542, 3015), (574, 3066), (597, 3123), (666, 3243), (674, 3264), (675, 3267), (684, 3291), (707, 3363), (715, 3384), (723, 3399), (727, 3408), (736, 3426), (739, 3435), (747, 3462), (762, 3483), (770, 3498), (787, 3543), (807, 3582), (809, 3588), (813, 3603), (824, 3627), (889, 3708),

Gene: Zuko_8 Start: 5741, Stop: 7453, Start Num: 52

Candidate Starts for Zuko_8:

(45, 5669), (Start: 52 @5741 has 2 MA's), (53, 5747), (59, 5759), (60, 5762), (64, 5771), (99, 5828), (204, 5993), (230, 6035), (278, 6146), (279, 6149), (281, 6161), (290, 6194), (305, 6254), (318, 6287), (319, 6290), (351, 6347), (471, 6551), (473, 6557), (549, 6707), (551, 6710), (645, 6881), (649, 6890), (659, 6914), (675, 6956), (688, 6995), (692, 7001), (713, 7070), (745, 7142), (758, 7160), (845, 7340), (851, 7346),

Gene: Zulu_16 Start: 9264, Stop: 10730, Start Num: 127

Candidate Starts for Zulu_16:

(Start: 127 @9264 has 330 MA's), (Start: 143 @9285 has 5 MA's), (182, 9324), (225, 9411), (230, 9423), (233, 9429), (365, 9711), (400, 9765), (504, 9924), (534, 9975), (545, 10002), (549, 10008), (563, 10029), (632, 10131), (682, 10242), (743, 10395), (749, 10410), (757, 10422), (762, 10431), (789, 10497), (802, 10518), (812, 10548), (824, 10578), (842, 10608),

Gene: phiCAM_07 Start: 4309, Stop: 5625, Start Num: 222

Candidate Starts for phiCAM_07:

(125, 4159), (130, 4165), (Start: 155 @4192 has 140 MA's), (Start: 222 @4309 has 4 MA's), (246, 4357), (249, 4369), (371, 4612), (432, 4699), (466, 4759), (477, 4777), (479, 4783), (534, 4882), (573, 4957), (579, 4975), (610, 5014), (629, 5050), (669, 5152), (735, 5314), (741, 5332), (748, 5344), (773, 5389), (812, 5479), (827, 5521),

Gene: phiHau3_9 Start: 4031, Stop: 5515, Start Num: 155

Candidate Starts for phiHau3_9:

(Start: 155 @4031 has 140 MA's), (Start: 222 @4148 has 4 MA's), (246, 4196), (417, 4523), (444, 4556), (477, 4616), (530, 4709), (534, 4721), (573, 4796), (579, 4814), (583, 4826), (585, 4832), (638, 4958), (667, 5030), (669, 5036), (703, 5123), (734, 5195), (767, 5258), (773, 5273), (812, 5363), (827, 5405), (894, 5477),

Gene: phiSASD1_23 Start: 2181, Stop: 3668, Start Num: 152

Candidate Starts for phiSASD1_23:

(Start: 152 @2181 has 1 MA's), (188, 2232), (189, 2235), (195, 2250), (259, 2385), (266, 2400), (269, 2409), (283, 2424), (304, 2463), (313, 2490), (319, 2508), (353, 2571), (368, 2601), (511, 2844), (513, 2847), (518, 2853), (540, 2904), (544, 2913), (591, 3012), (627, 3063), (639, 3090), (669, 3168), (672, 3174), (695, 3228), (825, 3528), (827, 3534), (845, 3564), (867, 3585), (897, 3627),