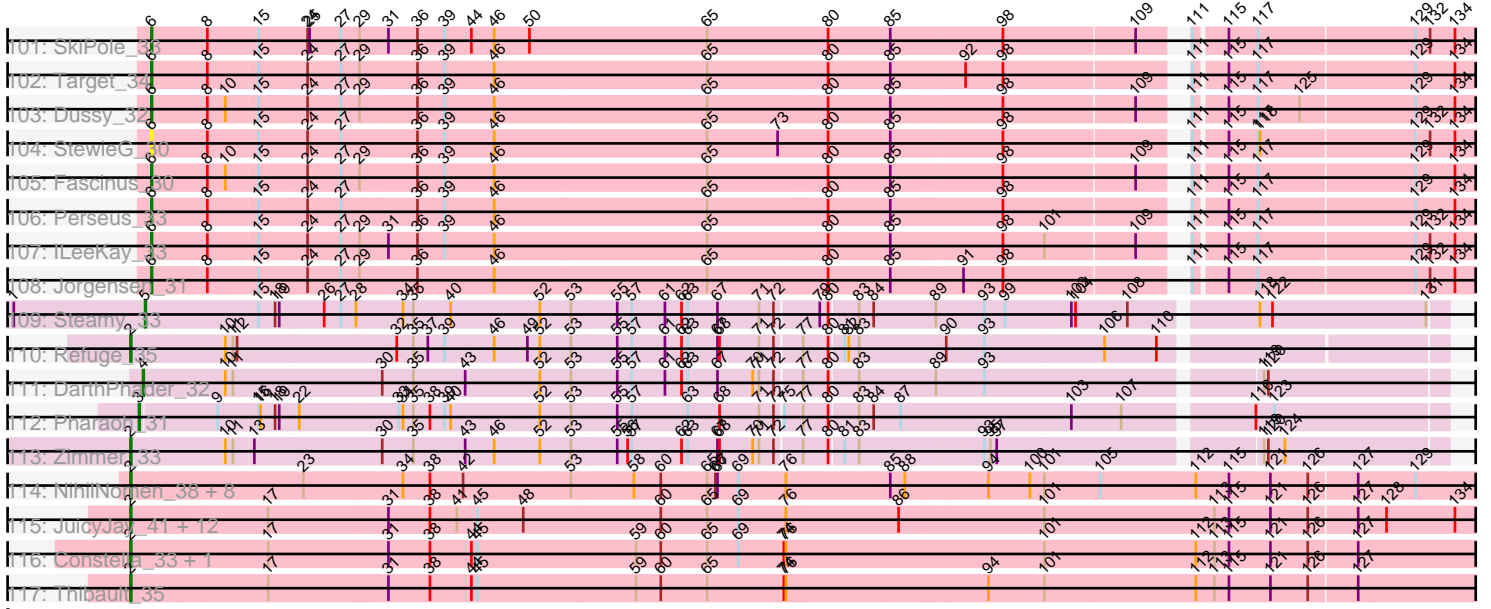


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51: Violet_30	6	0	16	24	27	29	36	38	44	46	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
52: Gandalf_32	2	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
53: Bircsak_31	2	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
54: Makemake_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
55: Killigrew_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
56: Pepe_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
57: A6_29 + 1	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	111	115	117	125	129	132	134	
58: Buttons_33	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	111	115	117	125	129	132	134	
59: BaconJack_34 +	0	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	111	115	117	125	129	132	134	
60: Applejack_32	2	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
61: KBG_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
62: DD5_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
63: Conceptus_33 + 2	2	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
64: Froghopper_32	2	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	111	115	117	125	129	132	134	
65: Adanisd_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
66: U2_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
67: Espresso_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
68: Kykar_31 +	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
69: Bruns_30	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
70: Rulus_32 +	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
71: Zeuska_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
72: Doom_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
73: Lockley_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
74: Lamina13_31 +	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
75: Trait4T2_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
76: Ciao_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
77: CactusRosa_30	0	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
78: Barriga_31	0	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
79: Dexes_32	0	10	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
80: Smeagol_30	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	91	101	109	111	115	117	125	129	132	134
81: BPBrebs31_32	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	91	101	109	111	115	117	125	129	132	134
82: Pan_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
83: Parasetena_30	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
84: Dulce_30	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
85: Onno789_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
86: ShortQueenDoom_30	16	24	27	29	31	36	38	44	50	65	73	80	85	88	91	101	109	111	115	117	125	129	132	134	
87: Maroc7_30	16	24	27	29	31	36	38	44	50	65	73	80	85	88	91	101	109	111	115	117	125	129	132	134	
88: Monet_33	16	24	27	29	31	36	38	44	50	65	73	80	85	88	91	101	109	111	115	117	125	129	132	134	
89: Peterson_33	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
90: Pippin_33	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
91: PayneIui_30 + 1	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
92: Marge_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
93: Siagathor_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
94: Gwendolun_34	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134		
95: Pinto_34	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
96: Squee_32	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	101	109	111	115	117	125	129	132	134
97: Hermia_34	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	109	111	115	117	125	129	132	134	
98: Hope4ever_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
99: Bxb1_29	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134
100: Magnar_31	0	0	16	24	27	29	31	36	38	44	50	65	73	80	85	88	92	109	111	115	117	125	129	132	134

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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 158970 Report

This analysis was run 04/28/24 on database version 559.

Pham number 158970 has 241 members, 22 are drafts.

Phages represented in each track:

- Track 1 : Aeneas_33
- Track 2 : BigPaolini_32
- Track 3 : Crispicious1_30, TheloniousMonk_33, Manatee_32, Chanagan_30, DreamCatcher_34, Watermelon_33, Jasper_32, DrFeelGood_30, Atkinbua_33, Ruotula_30, Alvin_32, Dreamboat_32, Ashballer_33, Pelly_32, Euphoria_31, QTRlifeCrisis_34, HarryOW_32, Niza_33, Homines_31, GrecoEtereo_33, Wheeler_31
- Track 4 : Naira_32, LilBib_32, Marcell_31, JC27_33, Marsha_31, Switzer_32, Carlyle_33, MPlant7149_30, Paphu_30, Bob3_30, Licorice_33, StrongArm_30
- Track 5 : Solon_31, Gyzlar_33
- Track 6 : Blue_31, Zephyr_31, Sumter_30, MrGordo_31, Papez_33
- Track 7 : Parliament_30
- Track 8 : Bigfoot_30
- Track 9 : PhrostyMug_31, Bethlehem_31, Jerm2_32, Altman_33, Norz_33, Rhynn_31, Rohr_32, Oogway_30, BillKnuckles_32, HermioneGrange_31, Mule_31, Kanely_32, PinkPlastic_30
- Track 10 : Ringer_31
- Track 11 : Museum_33, Seabiscuit_33, Petp2012_33, Burton_32
- Track 12 : BigMau_33
- Track 13 : Michley_31
- Track 14 : Sorpresa_30, Big3_31, Sandaddy_30
- Track 15 : GageAP_33, Topgun_31
- Track 16 : STLscum_32
- Track 17 : Edtherson_32, Briton15_33, Mryolo_30, Bones_31, Treddle_33, Wilkins_31, Rutherford_33, Tripl3t_32, JackSparrow_32, RidgeCB_31, McGuire_32
- Track 18 : Kugel_32
- Track 19 : Sunshine924_32
- Track 20 : Zeeculate_31
- Track 21 : Hami1_33
- Track 22 : IgnatiusPatJac_31, BluSpix_32
- Track 23 : SpikeBT_33
- Track 24 : Ichabod_32
- Track 25 : Thor_31, SarFire_31, Smairt_32
- Track 26 : Graduation_33, Beatrix_31
- Track 27 : Eyeball_31
- Track 28 : Snazzy_30, Arlo_30, Sagefire_32
- Track 29 : Tasp14_32

- Track 30 : Alsfro_35
- Track 31 : Magnito_30, Turj99_30
- Track 32 : Pita2_33, PSullivan_32, KyMonks1A_33
- Track 33 : Lesedi_30
- Track 34 : BeesKnees_32
- Track 35 : PascalRango_32
- Track 36 : Agaliana_32, PacerPaul_31, Francis47_31
- Track 37 : Tote_33, Molly_32, JuliaChild_33, Swole_33
- Track 38 : Acme_33, Greg_33, Fajezeel_33
- Track 39 : Lopton_32
- Track 40 : Nhonho_31
- Track 41 : Nerujay_32, PherrisBueller_32
- Track 42 : Cueylyss_31, HanShotFirst_31, Dynamix_32
- Track 43 : SwissCheese_33, Forsytheast_31, Moose_31
- Track 44 : Kenmech_34, Abbyshoes_32
- Track 45 : Petruccio_32
- Track 46 : Arcanine_32, Anglerfish_32, TwoPeat_31, NEHalo_31
- Track 47 : Fushigi_32, Seanderson_32
- Track 48 : KSSJEB_31
- Track 49 : Fenn_32, Trouble_32
- Track 50 : Corvo_32, MetalQZJ_31, MaryBeth_31
- Track 51 : Violet_30
- Track 52 : Gandalf20_32
- Track 53 : Bircsak_31, Gompeii16_31, Ajay_32
- Track 54 : Makemake_31
- Track 55 : Killigrew_29
- Track 56 : Pepe_32
- Track 57 : A6_29, BK1_29
- Track 58 : Buttons_33
- Track 59 : BaconJack_34, PattyP_33
- Track 60 : Applejack_32
- Track 61 : KBG_32
- Track 62 : DD5_32
- Track 63 : ConceptII_33, Sibs6_33, AFIS_31
- Track 64 : Froghopper_32
- Track 65 : Adahisdi_32
- Track 66 : U2_31
- Track 67 : Espresso_31
- Track 68 : Kykar_31, Teodoridan_29
- Track 69 : Bruns_30
- Track 70 : Rufus_32, Abrogate_320
- Track 71 : Zeuska_32
- Track 72 : Doom_32
- Track 73 : Lockley_31
- Track 74 : Lamina13_31, Rubeus_32
- Track 75 : Traft412_33
- Track 76 : Ciao_31
- Track 77 : CactusRose_30
- Track 78 : Barriga_31
- Track 79 : Dexes_32
- Track 80 : Smeagol_33
- Track 81 : BPBiebs31_32
- Track 82 : Pari_32

- Track 83 : Paraselene_30
- Track 84 : Dulcie_30
- Track 85 : Ohno789_31
- Track 86 : ShortQueendom_30
- Track 87 : Maroc7_30
- Track 88 : Monet_33
- Track 89 : Peterson_34
- Track 90 : Pippin_33
- Track 91 : Payneful_30, Marchy_29
- Track 92 : Marge_32
- Track 93 : Slagathor_32
- Track 94 : Gwendoluna_34
- Track 95 : Pinto_34
- Track 96 : Squee_32
- Track 97 : Hermia_34
- Track 98 : Hope4ever_31
- Track 99 : Bxb1_29
- Track 100 : Magnar_31
- Track 101 : SkiPole_33
- Track 102 : Target_34
- Track 103 : Dussy_32
- Track 104 : StewieG_30
- Track 105 : Fascinus_30
- Track 106 : Perseus_33
- Track 107 : ILeeKay_33
- Track 108 : Jorgensen_31
- Track 109 : Steamy_33
- Track 110 : Refuge_35
- Track 111 : DARTHPhader_32
- Track 112 : Pharaoh_31
- Track 113 : Zimmer_33
- Track 114 : NihilNomen_38, Dove_37, Bombitas_35, Odette_38, Yeet_37, Hughesyang_37, Ejimix_39, Schatzie_36, Pound_40
- Track 115 : JuicyJay_41, HokkenD_34, EricMillard_39, Halley_39, Klein_39, Bagrid_38, Kalah2_39, Zelink_40, Phoebus_38, Redno2_37, Beem_39, Dallas_40, ThreeRngTarjay_37
- Track 116 : Constella_33, Bobby_40
- Track 117 : Thibault_35

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

The start number called the most often in the published annotations is 6, it was called in 192 of the 219 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_29, AFIS_31, Abbyshoes_32, Abrogate_320, Acme_33, Adahisdi_32, Aeneas_33, Agaliana_32, Ajay_32, Alsfro_35, Altman_33, Alvin_32, Anglerfish_32, Applejack_32, Arcanine_32, Arlo_30, Ashballer_33, Atkinbua_33, BK1_29, BPBiebs31_32, BaconJack_34, Barriga_31, Beatrix_31, BeesKnees_32, Bethlehem_31, Big3_31, BigMau_33, BigPaolini_32, Bigfoot_30, BillKnuckles_32,

Bircsak_31, BluSpix_32, Blue_31, Bob3_30, Bones_31, Briton15_33, Bruns_30, Burton_32, Buttons_33, Bxb1_29, CactusRose_30, Carlyle_33, Chanagan_30, Ciao_31, ConceptII_33, Corvo_32, Crispicious1_30, Cueylyss_31, DD5_32, Dexes_32, Doom_32, DrFeelGood_30, DreamCatcher_34, Dreamboat_32, Dulcie_30, Dussy_32, Dynamix_32, Edtherson_32, Espresso_31, Euphoria_31, Eyeball_31, Fajezeel_33, Fascinus_30, Fenn_32, Forsytheast_31, Francis47_31, Froghopper_32, Fushigi_32, GageAP_33, Gandalf20_32, Gompeii16_31, Graduation_33, GrecoEtereo_33, Greg_33, Gwendoluna_34, Gyzlar_33, Hami1_33, HanShotFirst_31, HarryOW_32, Hermia_34, HermioneGrange_31, Homines_31, Hope4ever_31, ILeeKay_33, Ichabod_32, IgnatiusPatJac_31, JC27_33, JackSparrow_32, Jasper_32, Jerm2_32, Jorgensen_31, JuliaChild_33, KBG_32, KSSJEB_31, Kanely_32, Kenmech_34, Killigrew_29, Kugel_32, KyMonks1A_33, Kykar_31, Lamina13_31, Lesedi_30, Licorice_33, LilBib_32, Lockley_31, Lopton_32, MPlant7149_30, Magnar_31, Magnito_30, Makemake_31, Manatee_32, Marcell_31, Marchy_29, Marge_32, Maroc7_30, Marsha_31, MaryBeth_31, McGuire_32, MetalQZJ_31, Michley_31, Molly_32, Monet_33, Moose_31, MrGordo_31, Mryolo_30, Mule_31, Museum_33, NEHalo_31, Naira_32, Nerujay_32, Nhonho_31, Niza_33, Norz_33, Ohno789_31, Oogway_30, PSullivan_32, PacerPaul_31, Papez_33, Paphu_30, Paraselene_30, Pari_32, Parliament_30, PascalRango_32, PattyP_33, Payneful_30, Pelly_32, Pepe_32, Perseus_33, Peterson_34, Petp2012_33, Petruccio_32, PherrisBueller_32, PhrostyMug_31, PinkPlastic_30, Pinto_34, Pippin_33, Pita2_33, QTRLifeCrisis_34, Rhynn_31, RidgeCB_31, Ringer_31, Rohr_32, Rubeus_32, Rufus_32, Ruotula_30, Rutherford_33, STLscum_32, Sagefire_32, Sandaddy_30, SarFire_31, Seabiscuit_33, Seanderson_32, ShortQueendom_30, Sibs6_33, SkiPole_33, Slagathor_32, Smairt_32, Smeagol_33, Snazzy_30, Solon_31, Sorpresa_30, SpikeBT_33, Squee_32, StewieG_30, StrongArm_30, Sumter_30, Sunshine924_32, SwissCheese_33, Switzer_32, Swole_33, Target_34, Tasp14_32, Teodoridan_29, TheloniousMonk_33, Thor_31, Topgun_31, Tote_33, Traft412_33, Treddle_33, Tripl3t_32, Trouble_32, Turj99_30, TwoPeat_31, U2_31, Violet_30, Watermelon_33, Wheeler_31, Wilkins_31, Zeeculate_31, Zephyr_31, Zeuska_32,

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

-

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

- Bagrid_38, Beem_39, Bobby_40, Bombitas_35, Constella_33, Dallas_40, DarthPhader_32, Dove_37, Ejimix_39, EricMillard_39, Halley_39, HokkenD_34, Hughesyang_37, JuicyJay_41, Kalah2_39, Klein_39, NihilNomen_38, Odette_38, Pharaoh_31, Phoebus_38, Pound_40, Redno2_37, Refuge_35, Schatzie_36, Steamy_33, Thibault_35, ThreeRngTarjay_37, Yeet_37, Zelink_40, Zimmer_33,

Summary by start number:

Start 2:

- Found in 27 of 241 (11.2%) of genes in pham
- Manual Annotations of this start: 24 of 219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bagrid_38 (J), Beem_39 (J), Bobby_40 (J), Bombitas_35 (J), Constella_33 (J), Dallas_40 (J), Dove_37 (J), Ejimix_39 (J), EricMillard_39 (J), Halley_39 (J), HokkenD_34 (J), Hughesyang_37 (J), JuicyJay_41 (J), Kalah2_39 (J), Klein_39 (J), NihilNomen_38 (J), Odette_38 (J), Phoebus_38 (J), Pound_40 (J), Redno2_37 (J), Refuge_35 (A12), Schatzie_36 (J), Thibault_35 (J),

ThreeRngTarjay_37 (J), Yeet_37 (J), Zelink_40 (J), Zimmer_33 (A12),

Start 3:

- Found in 1 of 241 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pharaoh_31 (A12),

Start 4:

- Found in 1 of 241 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DarthPhader_32 (A12),

Start 5:

- Found in 1 of 241 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Steamy_33 (A12),

Start 6:

- Found in 211 of 241 (87.6%) of genes in pham
- Manual Annotations of this start: 192 of 219
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_29 (A1), AFIS_31 (A1), Abbyshoes_32 (A1), Abrogate_320 (A1), Acme_33 (A1), Adahisdi_32 (A1), Aeneas_33 (A1), Agaliana_32 (A1), Ajay_32 (A1), Alsfro_35 (A1), Altman_33 (A1), Alvin_32 (A1), Anglerfish_32 (A1), Applejack_32 (A1), Arcanine_32 (A1), Arlo_30 (A1), Ashballer_33 (A1), Atkinbua_33 (A1), BK1_29 (A1), BPBiebs31_32 (A1), BaconJack_34 (A1), Barriga_31 (A1), Beatrix_31 (A1), BeesKnees_32 (A1), Bethlehem_31 (A1), Big3_31 (A1), BigMau_33 (A1), BigPaolini_32 (A1), Bigfoot_30 (A1), BillKnuckles_32 (A1), Bircsak_31 (A1), BluSpix_32 (A1), Blue_31 (A1), Bob3_30 (A1), Bones_31 (A1), Briton15_33 (A1), Bruns_30 (A1), Burton_32 (A1), Buttons_33 (A1), Bxb1_29 (A1), CactusRose_30 (A1), Carlyle_33 (A1), Chanagan_30 (A1), Ciao_31 (A1), ConceptII_33 (A1), Corvo_32 (A1), Crispicious1_30 (A1), Cueyllyss_31 (A1), DD5_32 (A1), Dexes_32 (A1), Doom_32 (A1), DrFeelGood_30 (A1), DreamCatcher_34 (A1), Dreamboat_32 (A1), Dulcie_30 (A1), Dussy_32 (A1), Dynamix_32 (A1), Edtherson_32 (A1), Espresso_31 (A1), Euphoria_31 (A1), Eyeball_31 (A1), Fajezeel_33 (A1), Fascinus_30 (A1), Fenn_32 (A1), Forsytheast_31 (A1), Francis47_31 (A1), Froghopper_32 (A1), Fushigi_32 (A1), GageAP_33 (A1), Gandalf20_32 (A1), Gompeii16_31 (A1), Graduation_33 (A1), GrecoEtereo_33 (A1), Greg_33 (A1), Gwendoluna_34 (A1), Gyzlar_33 (A1), Hami1_33 (A1), HanShotFirst_31 (A1), HarryOW_32 (A1), Hermia_34 (A1), HermioneGrange_31 (A1), Homines_31 (A1), Hope4ever_31 (A1), ILeeKay_33 (A1), Ichabod_32 (A1), IgnatiusPatJac_31 (A1), JC27_33 (A1), JackSparrow_32 (A1), Jasper_32 (A1), Jerm2_32 (A1), Jorgensen_31 (A1), JuliaChild_33 (A1), KBG_32 (A1), KSSJEB_31 (A1), Kanely_32 (A1), Kenmech_34 (A1), Killigrew_29 (A1), Kugel_32 (A1), KyMonks1A_33 (A1), Kykar_31 (A1), Lamina13_31 (A1), Lesedi_30 (A1), Licorice_33 (A1), LilBib_32 (A1), Lockley_31 (A1), Lopton_32 (A1), MPlant7149_30 (A1), Magnar_31 (A1), Magnito_30 (A1), Makemake_31 (A1), Manatee_32 (A1), Marcell_31 (A1), Marchy_29 (A1), Marge_32 (A1), Maroc7_30 (A1), Marsha_31 (A1), MaryBeth_31 (A1), McGuire_32 (A1), MetalQZJ_31 (A1), Michley_31 (A1), Molly_32 (A1), Monet_33 (A1), Moose_31 (A1), MrGordo_31 (A1),

Mryolo_30 (A1), Mule_31 (A1), Museum_33 (A1), NEHalo_31 (A1), Naira_32 (A1), Nerujay_32 (A1), Nhonho_31 (A1), Niza_33 (A1), Norz_33 (A1), Ohno789_31 (A1), Oogway_30 (A1), PSullivan_32 (A1), PacerPaul_31 (A1), Papez_33 (A1), Paphu_30 (A1), Paraselene_30 (A1), Pari_32 (A1), Parliament_30 (A1), PascalRango_32 (A1), PattyP_33 (A1), Payneful_30 (A1), Pelly_32 (A1), Pepe_32 (A1), Perseus_33 (A1), Peterson_34 (A1), Petp2012_33 (A1), Petruccio_32 (A1), PherrisBueller_32 (A1), PhrostyMug_31 (A1), PinkPlastic_30 (A1), Pinto_34 (A1), Pippin_33 (A1), Pita2_33 (A1), QTRlifeCrisis_34 (A1), Rhynn_31 (A1), RidgeCB_31 (A1), Ringer_31 (A1), Rohr_32 (A1), Rubeus_32 (A1), Rufus_32 (A1), Ruotula_30 (A1), Rutherford_33 (A1), STLscum_32 (A1), Sagefire_32 (A1), Sandaddy_30 (A1), SarFire_31 (A1), Seabiscuit_33 (A1), Seanderson_32 (A1), ShortQueendom_30 (A1), Sibs6_33 (A1), SkiPole_33 (A1), Slagathor_32 (A1), Smairt_32 (A1), Smeagol_33 (A1), Snazzy_30 (A1), Solon_31 (A1), Sorpresa_30 (A1), SpikeBT_33 (A1), Squee_32 (A1), StewieG_30 (A1), StrongArm_30 (A1), Sumter_30 (A1), Sunshine924_32 (A1), SwissCheese_33 (A1), Switzer_32 (A1), Swole_33 (A1), Target_34 (A1), Tasp14_32 (A1), Teodoridan_29 (A1), TheloniousMonk_33 (A1), Thor_31 (A1), Topgun_31 (A1), Tote_33 (A1), Traft412_33 (A1), Treddle_33 (A1), Tripl3t_32 (A1), Trouble_32 (A1), Turj99_30 (A1), TwoPeat_31 (A1), U2_31 (A1), Violet_30 (A1), Watermelon_33 (A1), Wheeler_31 (A1), Wilkins_31 (A1), Zeeculate_31 (A1), Zephyr_31 (A1), Zeuska_32 (A1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, J, A12,

Info for manual annotations of cluster A1:

- Start number 6 was manually annotated 192 times for cluster A1.

Info for manual annotations of cluster A12:

- Start number 2 was manually annotated 2 times for cluster A12.
- Start number 3 was manually annotated 1 time for cluster A12.
- Start number 4 was manually annotated 1 time for cluster A12.
- Start number 5 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster J:

- Start number 2 was manually annotated 22 times for cluster J.

Gene Information:

Gene: A6_29 Start: 23660, Stop: 25513, Start Num: 6

Candidate Starts for A6_29:

(Start: 6 @23660 has 192 MA's), (8, 23741), (15, 23807), (24, 23876), (27, 23924), (29, 23951), (36, 24029), (39, 24065), (65, 24443), (80, 24617), (85, 24704), (98, 24860), (111, 25091), (115, 25133), (117, 25175), (129, 25397), (132, 25418), (134, 25454),

Gene: AFIS_31 Start: 24203, Stop: 26056, Start Num: 6

Candidate Starts for AFIS_31:

(Start: 6 @24203 has 192 MA's), (8, 24284), (15, 24350), (24, 24419), (27, 24467), (29, 24494), (36, 24572), (39, 24608), (46, 24680), (65, 24986), (80, 25160), (85, 25247), (98, 25403), (109, 25589), (111, 25634), (115, 25676), (117, 25718), (129, 25940), (132, 25961), (134, 25997),

Gene: Abbysshoes_32 Start: 24318, Stop: 26171, Start Num: 6

Candidate Starts for Abbysshoes_32:

(Start: 6 @24318 has 192 MA's), (7, 24336), (8, 24399), (15, 24465), (24, 24534), (25, 24537), (27, 24582), (29, 24609), (36, 24687), (39, 24723), (46, 24795), (65, 25101), (80, 25275), (85, 25362), (98, 25518), (109, 25704), (111, 25749), (115, 25791), (117, 25833), (125, 25893), (129, 26055), (134, 26112),

Gene: Abrogate_320 Start: 24878, Stop: 26731, Start Num: 6

Candidate Starts for Abrogate_320:

(Start: 6 @24878 has 192 MA's), (7, 24896), (8, 24959), (15, 25025), (24, 25094), (27, 25142), (29, 25169), (36, 25247), (39, 25283), (46, 25355), (65, 25661), (80, 25835), (85, 25922), (98, 26078), (111, 26309), (115, 26351), (117, 26393), (129, 26615), (134, 26672),

Gene: Acme_33 Start: 24419, Stop: 26272, Start Num: 6

Candidate Starts for Acme_33:

(Start: 6 @24419 has 192 MA's), (8, 24500), (15, 24566), (24, 24635), (27, 24683), (29, 24710), (36, 24788), (39, 24824), (65, 25202), (80, 25376), (85, 25463), (98, 25619), (111, 25850), (115, 25892), (117, 25934), (129, 26156), (134, 26213),

Gene: Adahisdi_32 Start: 24279, Stop: 26132, Start Num: 6

Candidate Starts for Adahisdi_32:

(Start: 6 @24279 has 192 MA's), (8, 24360), (15, 24426), (24, 24495), (27, 24543), (29, 24570), (36, 24648), (39, 24684), (46, 24756), (65, 25062), (80, 25236), (85, 25323), (98, 25479), (101, 25539), (109, 25665), (111, 25710), (115, 25752), (117, 25794), (125, 25854), (129, 26016), (134, 26073),

Gene: Aeneas_33 Start: 24455, Stop: 26308, Start Num: 6

Candidate Starts for Aeneas_33:

(Start: 6 @24455 has 192 MA's), (8, 24536), (15, 24602), (24, 24671), (27, 24719), (36, 24824), (39, 24860), (46, 24932), (65, 25238), (80, 25412), (85, 25499), (98, 25655), (111, 25886), (115, 25928), (117, 25970), (129, 26192), (132, 26213), (134, 26249),

Gene: Agaliana_32 Start: 24399, Stop: 26252, Start Num: 6

Candidate Starts for Agaliana_32:

(Start: 6 @24399 has 192 MA's), (8, 24480), (15, 24546), (24, 24615), (27, 24663), (29, 24690), (31, 24726), (36, 24768), (39, 24804), (46, 24876), (65, 25182), (73, 25284), (80, 25356), (85, 25443), (98, 25599), (111, 25830), (114, 25869), (115, 25872), (117, 25914), (129, 26136), (132, 26157), (134, 26193),

Gene: Ajay_32 Start: 24631, Stop: 26484, Start Num: 6

Candidate Starts for Ajay_32:

(Start: 6 @24631 has 192 MA's), (8, 24712), (10, 24736), (15, 24778), (24, 24847), (27, 24895), (29, 24922), (31, 24958), (36, 25000), (39, 25036), (46, 25108), (65, 25414), (73, 25516), (80, 25588), (85, 25675), (98, 25831), (111, 26062), (114, 26101), (115, 26104), (117, 26146), (129, 26368), (132, 26389), (134, 26425),

Gene: Alsfro_35 Start: 24864, Stop: 26717, Start Num: 6

Candidate Starts for Alsfro_35:

(Start: 6 @24864 has 192 MA's), (7, 24882), (8, 24945), (15, 25011), (24, 25080), (25, 25083), (27, 25128), (29, 25155), (31, 25191), (36, 25233), (39, 25269), (46, 25341), (64, 25632), (65, 25647), (80, 25821), (85, 25908), (98, 26064), (109, 26250), (111, 26295), (114, 26334), (115, 26337), (117, 26379), (129, 26601), (132, 26622), (134, 26658),

Gene: Altman_33 Start: 24922, Stop: 26775, Start Num: 6

Candidate Starts for Altman_33:

(Start: 6 @24922 has 192 MA's), (8, 25003), (15, 25069), (24, 25138), (27, 25186), (29, 25213), (36, 25291), (39, 25327), (46, 25399), (65, 25705), (80, 25879), (85, 25966), (98, 26122), (111, 26353), (115, 26395), (117, 26437), (129, 26659), (132, 26680), (134, 26716),

Gene: Alvin_32 Start: 24691, Stop: 26544, Start Num: 6

Candidate Starts for Alvin_32:

(Start: 6 @24691 has 192 MA's), (8, 24772), (15, 24838), (24, 24907), (27, 24955), (29, 24982), (36, 25060), (39, 25096), (46, 25168), (65, 25474), (80, 25648), (85, 25735), (98, 25891), (109, 26077), (111, 26122), (115, 26164), (117, 26206), (129, 26428), (134, 26485),

Gene: Anglerfish_32 Start: 24835, Stop: 26688, Start Num: 6

Candidate Starts for Anglerfish_32:

(Start: 6 @24835 has 192 MA's), (8, 24916), (15, 24982), (24, 25051), (27, 25099), (29, 25126), (36, 25204), (39, 25240), (44, 25279), (46, 25312), (50, 25363), (65, 25618), (80, 25792), (85, 25879), (98, 26035), (109, 26221), (111, 26266), (115, 26308), (117, 26350), (129, 26572), (132, 26593), (134, 26629),

Gene: Applejack_32 Start: 24096, Stop: 25949, Start Num: 6

Candidate Starts for Applejack_32:

(Start: 6 @24096 has 192 MA's), (8, 24177), (15, 24243), (24, 24312), (27, 24360), (29, 24387), (36, 24465), (39, 24501), (44, 24540), (46, 24573), (50, 24624), (65, 24879), (80, 25053), (85, 25140), (98, 25296), (101, 25356), (111, 25527), (115, 25569), (117, 25611), (129, 25833), (134, 25890),

Gene: Arcanine_32 Start: 23849, Stop: 25702, Start Num: 6

Candidate Starts for Arcanine_32:

(Start: 6 @23849 has 192 MA's), (8, 23930), (15, 23996), (24, 24065), (27, 24113), (29, 24140), (36, 24218), (39, 24254), (44, 24293), (46, 24326), (50, 24377), (65, 24632), (80, 24806), (85, 24893), (98, 25049), (109, 25235), (111, 25280), (115, 25322), (117, 25364), (129, 25586), (132, 25607), (134, 25643),

Gene: Arlo_30 Start: 23725, Stop: 25578, Start Num: 6

Candidate Starts for Arlo_30:

(Start: 6 @23725 has 192 MA's), (8, 23806), (15, 23872), (24, 23941), (27, 23989), (29, 24016), (36, 24094), (39, 24130), (44, 24169), (46, 24202), (50, 24253), (65, 24508), (80, 24682), (85, 24769), (98, 24925), (111, 25156), (115, 25198), (117, 25240), (129, 25462), (134, 25519),

Gene: Ashballer_33 Start: 24849, Stop: 26702, Start Num: 6

Candidate Starts for Ashballer_33:

(Start: 6 @24849 has 192 MA's), (8, 24930), (15, 24996), (24, 25065), (27, 25113), (29, 25140), (36, 25218), (39, 25254), (46, 25326), (65, 25632), (80, 25806), (85, 25893), (98, 26049), (109, 26235), (111, 26280), (115, 26322), (117, 26364), (129, 26586), (134, 26643),

Gene: Atkinbua_33 Start: 24549, Stop: 26402, Start Num: 6

Candidate Starts for Atkinbua_33:

(Start: 6 @24549 has 192 MA's), (8, 24630), (15, 24696), (24, 24765), (27, 24813), (29, 24840), (36, 24918), (39, 24954), (46, 25026), (65, 25332), (80, 25506), (85, 25593), (98, 25749), (109, 25935), (111, 25980), (115, 26022), (117, 26064), (129, 26286), (134, 26343),

Gene: BK1_29 Start: 23660, Stop: 25513, Start Num: 6

Candidate Starts for BK1_29:

(Start: 6 @23660 has 192 MA's), (8, 23741), (15, 23807), (24, 23876), (27, 23924), (29, 23951), (36, 24029), (39, 24065), (65, 24443), (80, 24617), (85, 24704), (98, 24860), (111, 25091), (115, 25133),

(117, 25175), (129, 25397), (132, 25418), (134, 25454),

Gene: BPBiibs31_32 Start: 24420, Stop: 26273, Start Num: 6

Candidate Starts for BPBiibs31_32:

(Start: 6 @24420 has 192 MA's), (8, 24501), (15, 24567), (24, 24636), (27, 24684), (29, 24711), (31, 24747), (36, 24789), (39, 24825), (46, 24897), (65, 25203), (73, 25305), (80, 25377), (85, 25464), (98, 25620), (101, 25680), (109, 25806), (111, 25851), (115, 25893), (117, 25935), (129, 26157), (132, 26178), (134, 26214),

Gene: BaconJack_34 Start: 24618, Stop: 26471, Start Num: 6

Candidate Starts for BaconJack_34:

(Start: 6 @24618 has 192 MA's), (8, 24699), (15, 24765), (24, 24834), (27, 24882), (29, 24909), (31, 24945), (36, 24987), (39, 25023), (46, 25095), (65, 25401), (73, 25503), (80, 25575), (85, 25662), (98, 25818), (111, 26049), (115, 26091), (117, 26133), (129, 26355), (134, 26412),

Gene: Bagrid_38 Start: 29660, Stop: 31588, Start Num: 2

Candidate Starts for Bagrid_38:

(Start: 2 @29660 has 24 MA's), (17, 29855), (31, 30023), (38, 30080), (41, 30119), (45, 30149), (48, 30215), (60, 30413), (65, 30479), (69, 30524), (76, 30584), (86, 30743), (101, 30950), (113, 31193), (115, 31214), (121, 31274), (126, 31328), (127, 31394), (128, 31433), (134, 31532),

Gene: Barriga_31 Start: 23951, Stop: 25804, Start Num: 6

Candidate Starts for Barriga_31:

(Start: 6 @23951 has 192 MA's), (8, 24032), (15, 24098), (24, 24167), (27, 24215), (29, 24242), (36, 24320), (39, 24356), (65, 24734), (74, 24845), (80, 24908), (85, 24995), (98, 25151), (111, 25382), (115, 25424), (117, 25466), (129, 25688), (132, 25709), (134, 25745),

Gene: Beatrix_31 Start: 25533, Stop: 27386, Start Num: 6

Candidate Starts for Beatrix_31:

(Start: 6 @25533 has 192 MA's), (8, 25614), (15, 25680), (24, 25749), (25, 25752), (27, 25797), (29, 25824), (31, 25860), (36, 25902), (39, 25938), (46, 26010), (65, 26316), (80, 26490), (85, 26577), (98, 26733), (111, 26964), (115, 27006), (117, 27048), (129, 27270), (132, 27291), (134, 27327),

Gene: Beem_39 Start: 30226, Stop: 32154, Start Num: 2

Candidate Starts for Beem_39:

(Start: 2 @30226 has 24 MA's), (17, 30421), (31, 30589), (38, 30646), (41, 30685), (45, 30715), (48, 30781), (60, 30979), (65, 31045), (69, 31090), (76, 31150), (86, 31309), (101, 31516), (113, 31759), (115, 31780), (121, 31840), (126, 31894), (127, 31960), (128, 31999), (134, 32098),

Gene: BeesKnees_32 Start: 24150, Stop: 26003, Start Num: 6

Candidate Starts for BeesKnees_32:

(Start: 6 @24150 has 192 MA's), (7, 24168), (8, 24231), (15, 24297), (24, 24366), (27, 24414), (29, 24441), (31, 24477), (36, 24519), (39, 24555), (46, 24627), (65, 24933), (80, 25107), (85, 25194), (98, 25350), (109, 25536), (111, 25581), (115, 25623), (117, 25665), (129, 25887), (134, 25944),

Gene: Bethlehem_31 Start: 25376, Stop: 27229, Start Num: 6

Candidate Starts for Bethlehem_31:

(Start: 6 @25376 has 192 MA's), (8, 25457), (15, 25523), (24, 25592), (27, 25640), (29, 25667), (36, 25745), (39, 25781), (46, 25853), (65, 26159), (80, 26333), (85, 26420), (98, 26576), (111, 26807), (115, 26849), (117, 26891), (129, 27113), (132, 27134), (134, 27170),

Gene: Big3_31 Start: 24731, Stop: 26584, Start Num: 6

Candidate Starts for Big3_31:

(Start: 6 @24731 has 192 MA's), (8, 24812), (15, 24878), (24, 24947), (27, 24995), (29, 25022), (36, 25100), (46, 25208), (65, 25514), (80, 25688), (85, 25775), (98, 25931), (109, 26117), (111, 26162), (115, 26204), (117, 26246), (129, 26468), (132, 26489), (134, 26525),

Gene: BigMau_33 Start: 24285, Stop: 26138, Start Num: 6

Candidate Starts for BigMau_33:

(Start: 6 @24285 has 192 MA's), (8, 24366), (15, 24432), (24, 24501), (27, 24549), (29, 24576), (36, 24654), (39, 24690), (46, 24762), (65, 25068), (80, 25242), (85, 25329), (98, 25485), (111, 25716), (115, 25758), (117, 25800), (125, 25860), (129, 26022), (134, 26079),

Gene: BigPaolini_32 Start: 24729, Stop: 26582, Start Num: 6

Candidate Starts for BigPaolini_32:

(Start: 6 @24729 has 192 MA's), (8, 24810), (10, 24834), (15, 24876), (24, 24945), (27, 24993), (29, 25020), (31, 25056), (36, 25098), (46, 25206), (65, 25512), (80, 25686), (85, 25773), (98, 25929), (111, 26160), (115, 26202), (117, 26244), (129, 26466), (133, 26511), (134, 26523),

Gene: Bigfoot_30 Start: 23891, Stop: 25744, Start Num: 6

Candidate Starts for Bigfoot_30:

(Start: 6 @23891 has 192 MA's), (8, 23972), (15, 24038), (24, 24107), (25, 24110), (27, 24155), (29, 24182), (36, 24260), (39, 24296), (46, 24368), (65, 24674), (80, 24848), (85, 24935), (98, 25091), (109, 25277), (111, 25322), (115, 25364), (117, 25406), (129, 25628), (134, 25685),

Gene: BillKnuckles_32 Start: 24816, Stop: 26669, Start Num: 6

Candidate Starts for BillKnuckles_32:

(Start: 6 @24816 has 192 MA's), (8, 24897), (15, 24963), (24, 25032), (27, 25080), (29, 25107), (36, 25185), (39, 25221), (46, 25293), (65, 25599), (80, 25773), (85, 25860), (98, 26016), (111, 26247), (115, 26289), (117, 26331), (129, 26553), (132, 26574), (134, 26610),

Gene: Bircsak_31 Start: 24588, Stop: 26441, Start Num: 6

Candidate Starts for Bircsak_31:

(Start: 6 @24588 has 192 MA's), (8, 24669), (10, 24693), (15, 24735), (24, 24804), (27, 24852), (29, 24879), (31, 24915), (36, 24957), (39, 24993), (46, 25065), (65, 25371), (73, 25473), (80, 25545), (85, 25632), (98, 25788), (111, 26019), (114, 26058), (115, 26061), (117, 26103), (129, 26325), (132, 26346), (134, 26382),

Gene: BluSpix_32 Start: 24346, Stop: 26199, Start Num: 6

Candidate Starts for BluSpix_32:

(Start: 6 @24346 has 192 MA's), (7, 24364), (8, 24427), (15, 24493), (24, 24562), (25, 24565), (27, 24610), (29, 24637), (31, 24673), (36, 24715), (39, 24751), (46, 24823), (65, 25129), (80, 25303), (85, 25390), (98, 25546), (101, 25606), (111, 25777), (115, 25819), (117, 25861), (129, 26083), (132, 26104), (134, 26140),

Gene: Blue_31 Start: 24584, Stop: 26437, Start Num: 6

Candidate Starts for Blue_31:

(Start: 6 @24584 has 192 MA's), (8, 24665), (15, 24731), (24, 24800), (27, 24848), (29, 24875), (36, 24953), (46, 25061), (65, 25367), (80, 25541), (85, 25628), (98, 25784), (109, 25970), (111, 26015), (115, 26057), (117, 26099), (129, 26321), (134, 26378),

Gene: Bob3_30 Start: 23625, Stop: 25478, Start Num: 6

Candidate Starts for Bob3_30:

(Start: 6 @23625 has 192 MA's), (8, 23706), (15, 23772), (24, 23841), (27, 23889), (29, 23916), (36, 23994), (39, 24030), (46, 24102), (65, 24408), (80, 24582), (85, 24669), (98, 24825), (111, 25056), (115, 25098), (117, 25140), (129, 25362), (134, 25419),

Gene: Bobby_40 Start: 31067, Stop: 32995, Start Num: 2

Candidate Starts for Bobby_40:

(Start: 2 @31067 has 24 MA's), (17, 31262), (31, 31430), (38, 31487), (44, 31547), (45, 31556), (59, 31784), (60, 31820), (65, 31886), (69, 31931), (74, 31988), (76, 31991), (101, 32357), (112, 32573), (113, 32600), (115, 32621), (121, 32681), (126, 32735), (127, 32801),

Gene: Bombitas_35 Start: 29250, Stop: 31178, Start Num: 2

Candidate Starts for Bombitas_35:

(Start: 2 @29250 has 24 MA's), (23, 29496), (34, 29634), (38, 29670), (42, 29718), (53, 29874), (58, 29964), (60, 30003), (65, 30069), (66, 30081), (67, 30084), (69, 30114), (76, 30174), (85, 30321), (88, 30342), (94, 30459), (100, 30519), (101, 30540), (105, 30618), (112, 30756), (115, 30804), (121, 30864), (126, 30918), (127, 30984), (129, 31065),

Gene: Bones_31 Start: 23991, Stop: 25844, Start Num: 6

Candidate Starts for Bones_31:

(Start: 6 @23991 has 192 MA's), (8, 24072), (15, 24138), (24, 24207), (27, 24255), (29, 24282), (31, 24318), (36, 24360), (39, 24396), (46, 24468), (65, 24774), (80, 24948), (85, 25035), (98, 25191), (109, 25377), (111, 25422), (115, 25464), (117, 25506), (129, 25728), (134, 25785),

Gene: Briton15_33 Start: 24383, Stop: 26236, Start Num: 6

Candidate Starts for Briton15_33:

(Start: 6 @24383 has 192 MA's), (8, 24464), (15, 24530), (24, 24599), (27, 24647), (29, 24674), (31, 24710), (36, 24752), (39, 24788), (46, 24860), (65, 25166), (80, 25340), (85, 25427), (98, 25583), (109, 25769), (111, 25814), (115, 25856), (117, 25898), (129, 26120), (134, 26177),

Gene: Bruns_30 Start: 24013, Stop: 25866, Start Num: 6

Candidate Starts for Bruns_30:

(Start: 6 @24013 has 192 MA's), (8, 24094), (15, 24160), (24, 24229), (25, 24232), (27, 24277), (29, 24304), (31, 24340), (36, 24382), (39, 24418), (46, 24490), (65, 24796), (80, 24970), (85, 25057), (98, 25213), (101, 25273), (109, 25399), (111, 25444), (115, 25486), (117, 25528), (129, 25750), (132, 25771), (134, 25807),

Gene: Burton_32 Start: 24233, Stop: 26086, Start Num: 6

Candidate Starts for Burton_32:

(Start: 6 @24233 has 192 MA's), (8, 24314), (15, 24380), (24, 24449), (27, 24497), (29, 24524), (31, 24560), (36, 24602), (39, 24638), (46, 24710), (65, 25016), (73, 25118), (80, 25190), (85, 25277), (98, 25433), (111, 25664), (115, 25706), (117, 25748), (129, 25970), (132, 25991), (134, 26027),

Gene: Buttons_33 Start: 25074, Stop: 26927, Start Num: 6

Candidate Starts for Buttons_33:

(Start: 6 @25074 has 192 MA's), (8, 25155), (15, 25221), (24, 25290), (27, 25338), (29, 25365), (36, 25443), (39, 25479), (65, 25857), (80, 26031), (85, 26118), (98, 26274), (101, 26334), (111, 26505), (115, 26547), (117, 26589), (129, 26811), (134, 26868),

Gene: Bxb1_29 Start: 24184, Stop: 26037, Start Num: 6

Candidate Starts for Bxb1_29:

(Start: 6 @24184 has 192 MA's), (8, 24265), (15, 24331), (24, 24400), (27, 24448), (29, 24475), (36, 24553), (39, 24589), (46, 24661), (65, 24967), (80, 25141), (85, 25228), (92, 25330), (98, 25384), (109, 25570), (111, 25615), (115, 25657), (117, 25699), (129, 25921), (134, 25978),

Gene: CactusRose_30 Start: 23986, Stop: 25839, Start Num: 6

Candidate Starts for CactusRose_30:

(Start: 6 @23986 has 192 MA's), (8, 24067), (15, 24133), (24, 24202), (25, 24205), (27, 24250), (29, 24277), (31, 24313), (36, 24355), (39, 24391), (46, 24463), (65, 24769), (80, 24943), (85, 25030), (98, 25186), (101, 25246), (109, 25372), (111, 25417), (115, 25459), (117, 25501), (129, 25723), (134, 25780),

Gene: Carlyle_33 Start: 24913, Stop: 26766, Start Num: 6

Candidate Starts for Carlyle_33:

(Start: 6 @24913 has 192 MA's), (8, 24994), (15, 25060), (24, 25129), (27, 25177), (29, 25204), (36, 25282), (39, 25318), (46, 25390), (65, 25696), (80, 25870), (85, 25957), (98, 26113), (111, 26344), (115, 26386), (117, 26428), (129, 26650), (134, 26707),

Gene: Chanagan_30 Start: 23698, Stop: 25551, Start Num: 6

Candidate Starts for Chanagan_30:

(Start: 6 @23698 has 192 MA's), (8, 23779), (15, 23845), (24, 23914), (27, 23962), (29, 23989), (36, 24067), (39, 24103), (46, 24175), (65, 24481), (80, 24655), (85, 24742), (98, 24898), (109, 25084), (111, 25129), (115, 25171), (117, 25213), (129, 25435), (134, 25492),

Gene: Ciao_31 Start: 24041, Stop: 25894, Start Num: 6

Candidate Starts for Ciao_31:

(Start: 6 @24041 has 192 MA's), (8, 24122), (15, 24188), (24, 24257), (27, 24305), (29, 24332), (36, 24410), (39, 24446), (46, 24518), (65, 24824), (80, 24998), (85, 25085), (98, 25241), (101, 25301), (102, 25313), (111, 25472), (115, 25514), (117, 25556), (129, 25778), (134, 25835),

Gene: Conceptll_33 Start: 25055, Stop: 26908, Start Num: 6

Candidate Starts for Conceptll_33:

(Start: 6 @25055 has 192 MA's), (8, 25136), (15, 25202), (24, 25271), (27, 25319), (29, 25346), (36, 25424), (39, 25460), (46, 25532), (65, 25838), (80, 26012), (85, 26099), (98, 26255), (109, 26441), (111, 26486), (115, 26528), (117, 26570), (129, 26792), (132, 26813), (134, 26849),

Gene: Constella_33 Start: 29013, Stop: 30941, Start Num: 2

Candidate Starts for Constella_33:

(Start: 2 @29013 has 24 MA's), (17, 29208), (31, 29376), (38, 29433), (44, 29493), (45, 29502), (59, 29730), (60, 29766), (65, 29832), (69, 29877), (74, 29934), (76, 29937), (101, 30303), (112, 30519), (113, 30546), (115, 30567), (121, 30627), (126, 30681), (127, 30747),

Gene: Corvo_32 Start: 25050, Stop: 26903, Start Num: 6

Candidate Starts for Corvo_32:

(Start: 6 @25050 has 192 MA's), (8, 25131), (10, 25155), (15, 25197), (24, 25266), (27, 25314), (29, 25341), (31, 25377), (36, 25419), (39, 25455), (46, 25527), (65, 25833), (80, 26007), (85, 26094), (98, 26250), (101, 26310), (109, 26436), (111, 26481), (115, 26523), (117, 26565), (129, 26787), (134, 26844),

Gene: Crispicous1_30 Start: 23627, Stop: 25480, Start Num: 6

Candidate Starts for Crispicous1_30:

(Start: 6 @23627 has 192 MA's), (8, 23708), (15, 23774), (24, 23843), (27, 23891), (29, 23918), (36, 23996), (39, 24032), (46, 24104), (65, 24410), (80, 24584), (85, 24671), (98, 24827), (109, 25013), (111, 25058), (115, 25100), (117, 25142), (129, 25364), (134, 25421),

Gene: Cueyllyss_31 Start: 24224, Stop: 26077, Start Num: 6

Candidate Starts for Cueyllyss_31:

(Start: 6 @24224 has 192 MA's), (8, 24305), (15, 24371), (24, 24440), (27, 24488), (29, 24515), (31, 24551), (36, 24593), (39, 24629), (46, 24701), (65, 25007), (80, 25181), (85, 25268), (98, 25424), (111, 25655), (115, 25697), (117, 25739), (129, 25961), (132, 25982), (134, 26018),

Gene: DD5_32 Start: 24817, Stop: 26670, Start Num: 6

Candidate Starts for DD5_32:

(Start: 6 @24817 has 192 MA's), (7, 24835), (8, 24898), (15, 24964), (24, 25033), (25, 25036), (27, 25081), (29, 25108), (31, 25144), (36, 25186), (39, 25222), (46, 25294), (65, 25600), (73, 25702), (80, 25774), (85, 25861), (98, 26017), (109, 26203), (111, 26248), (115, 26290), (117, 26332), (129, 26554), (134, 26611),

Gene: Dallas_40 Start: 29751, Stop: 31679, Start Num: 2

Candidate Starts for Dallas_40:

(Start: 2 @29751 has 24 MA's), (17, 29946), (31, 30114), (38, 30171), (41, 30210), (45, 30240), (48, 30306), (60, 30504), (65, 30570), (69, 30615), (76, 30675), (86, 30834), (101, 31041), (113, 31284), (115, 31305), (121, 31365), (126, 31419), (127, 31485), (128, 31524), (134, 31623),

Gene: DARTHPhader_32 Start: 24371, Stop: 26161, Start Num: 4

Candidate Starts for DARTHPhader_32:

(Start: 4 @24371 has 1 MA's), (10, 24485), (11, 24494), (30, 24701), (35, 24746), (43, 24821), (52, 24929), (53, 24974), (55, 25040), (57, 25061), (61, 25109), (62, 25130), (63, 25139), (67, 25178), (70, 25229), (71, 25238), (72, 25259), (77, 25295), (80, 25331), (83, 25370), (89, 25481), (93, 25541), (119, 25907), (120, 25913),

Gene: Dexes_32 Start: 24779, Stop: 26632, Start Num: 6

Candidate Starts for Dexes_32:

(Start: 6 @24779 has 192 MA's), (8, 24860), (10, 24884), (15, 24926), (24, 24995), (27, 25043), (29, 25070), (36, 25148), (39, 25184), (46, 25256), (65, 25562), (80, 25736), (85, 25823), (98, 25979), (109, 26165), (111, 26210), (115, 26252), (117, 26294), (129, 26516), (132, 26537), (134, 26573),

Gene: Doom_32 Start: 24887, Stop: 26740, Start Num: 6

Candidate Starts for Doom_32:

(Start: 6 @24887 has 192 MA's), (8, 24968), (15, 25034), (24, 25103), (25, 25106), (27, 25151), (29, 25178), (31, 25214), (36, 25256), (39, 25292), (46, 25364), (65, 25670), (80, 25844), (85, 25931), (92, 26033), (98, 26087), (109, 26273), (111, 26318), (115, 26360), (117, 26402), (129, 26624), (134, 26681),

Gene: Dove_37 Start: 29249, Stop: 31177, Start Num: 2

Candidate Starts for Dove_37:

(Start: 2 @29249 has 24 MA's), (23, 29495), (34, 29633), (38, 29669), (42, 29717), (53, 29873), (58, 29963), (60, 30002), (65, 30068), (66, 30080), (67, 30083), (69, 30113), (76, 30173), (85, 30320), (88, 30341), (94, 30458), (100, 30518), (101, 30539), (105, 30617), (112, 30755), (115, 30803), (121, 30863), (126, 30917), (127, 30983), (129, 31064),

Gene: DrFeelGood_30 Start: 24490, Stop: 26343, Start Num: 6

Candidate Starts for DrFeelGood_30:

(Start: 6 @24490 has 192 MA's), (8, 24571), (15, 24637), (24, 24706), (27, 24754), (29, 24781), (36, 24859), (39, 24895), (46, 24967), (65, 25273), (80, 25447), (85, 25534), (98, 25690), (109, 25876), (111, 25921), (115, 25963), (117, 26005), (129, 26227), (134, 26284),

Gene: DreamCatcher_34 Start: 25457, Stop: 27310, Start Num: 6

Candidate Starts for DreamCatcher_34:

(Start: 6 @25457 has 192 MA's), (8, 25538), (15, 25604), (24, 25673), (27, 25721), (29, 25748), (36, 25826), (39, 25862), (46, 25934), (65, 26240), (80, 26414), (85, 26501), (98, 26657), (109, 26843), (111, 26888), (115, 26930), (117, 26972), (129, 27194), (134, 27251),

Gene: Dreamboat_32 Start: 24056, Stop: 25909, Start Num: 6

Candidate Starts for Dreamboat_32:

(Start: 6 @24056 has 192 MA's), (8, 24137), (15, 24203), (24, 24272), (27, 24320), (29, 24347), (36, 24425), (39, 24461), (46, 24533), (65, 24839), (80, 25013), (85, 25100), (98, 25256), (109, 25442), (111, 25487), (115, 25529), (117, 25571), (129, 25793), (134, 25850),

Gene: Dulcie_30 Start: 23753, Stop: 25606, Start Num: 6

Candidate Starts for Dulcie_30:

(Start: 6 @23753 has 192 MA's), (8, 23834), (15, 23900), (24, 23969), (26, 23993), (27, 24017), (29, 24044), (36, 24122), (39, 24158), (44, 24197), (46, 24230), (50, 24281), (65, 24536), (80, 24710), (85, 24797), (98, 24953), (111, 25184), (115, 25226), (117, 25268), (129, 25490), (134, 25547),

Gene: Dussy_32 Start: 24318, Stop: 26171, Start Num: 6

Candidate Starts for Dussy_32:

(Start: 6 @24318 has 192 MA's), (8, 24399), (10, 24423), (15, 24465), (24, 24534), (27, 24582), (29, 24609), (36, 24687), (39, 24723), (46, 24795), (65, 25101), (80, 25275), (85, 25362), (98, 25518), (109, 25704), (111, 25749), (115, 25791), (117, 25833), (125, 25893), (129, 26055), (134, 26112),

Gene: Dynamix_32 Start: 24135, Stop: 25988, Start Num: 6

Candidate Starts for Dynamix_32:

(Start: 6 @24135 has 192 MA's), (8, 24216), (15, 24282), (24, 24351), (27, 24399), (29, 24426), (31, 24462), (36, 24504), (39, 24540), (46, 24612), (65, 24918), (80, 25092), (85, 25179), (98, 25335), (111, 25566), (115, 25608), (117, 25650), (129, 25872), (132, 25893), (134, 25929),

Gene: Edtherson_32 Start: 24835, Stop: 26688, Start Num: 6

Candidate Starts for Edtherson_32:

(Start: 6 @24835 has 192 MA's), (8, 24916), (15, 24982), (24, 25051), (27, 25099), (29, 25126), (31, 25162), (36, 25204), (39, 25240), (46, 25312), (65, 25618), (80, 25792), (85, 25879), (98, 26035), (109, 26221), (111, 26266), (115, 26308), (117, 26350), (129, 26572), (134, 26629),

Gene: Ejimix_39 Start: 30979, Stop: 32907, Start Num: 2

Candidate Starts for Ejimix_39:

(Start: 2 @30979 has 24 MA's), (23, 31225), (34, 31363), (38, 31399), (42, 31447), (53, 31603), (58, 31693), (60, 31732), (65, 31798), (66, 31810), (67, 31813), (69, 31843), (76, 31903), (85, 32050), (88, 32071), (94, 32188), (100, 32248), (101, 32269), (105, 32347), (112, 32485), (115, 32533), (121, 32593), (126, 32647), (127, 32713), (129, 32794),

Gene: EricMillard_39 Start: 30512, Stop: 32440, Start Num: 2

Candidate Starts for EricMillard_39:

(Start: 2 @30512 has 24 MA's), (17, 30707), (31, 30875), (38, 30932), (41, 30971), (45, 31001), (48, 31067), (60, 31265), (65, 31331), (69, 31376), (76, 31436), (86, 31595), (101, 31802), (113, 32045), (115, 32066), (121, 32126), (126, 32180), (127, 32246), (128, 32285), (134, 32384),

Gene: Espresso_31 Start: 24199, Stop: 26052, Start Num: 6

Candidate Starts for Espresso_31:

(Start: 6 @24199 has 192 MA's), (7, 24217), (8, 24280), (15, 24346), (24, 24415), (25, 24418), (27, 24463), (29, 24490), (31, 24526), (36, 24568), (39, 24604), (46, 24676), (65, 24982), (80, 25156), (85, 25243), (92, 25345), (98, 25399), (109, 25585), (115, 25672), (117, 25714), (129, 25936), (134, 25993),

Gene: Euphoria_31 Start: 24089, Stop: 25942, Start Num: 6

Candidate Starts for Euphoria_31:

(Start: 6 @24089 has 192 MA's), (8, 24170), (15, 24236), (24, 24305), (27, 24353), (29, 24380), (36, 24458), (39, 24494), (46, 24566), (65, 24872), (80, 25046), (85, 25133), (98, 25289), (109, 25475), (111, 25520), (115, 25562), (117, 25604), (129, 25826), (134, 25883),

Gene: Eyeball_31 Start: 23894, Stop: 25747, Start Num: 6

Candidate Starts for Eyeball_31:

(Start: 6 @23894 has 192 MA's), (8, 23975), (15, 24041), (24, 24110), (27, 24158), (29, 24185), (31, 24221), (36, 24263), (39, 24299), (46, 24371), (65, 24677), (78, 24821), (80, 24851), (85, 24938), (98, 25094), (109, 25280), (111, 25325), (115, 25367), (117, 25409), (129, 25631), (134, 25688),

Gene: Fajezeel_33 Start: 24404, Stop: 26257, Start Num: 6

Candidate Starts for Fajezeel_33:

(Start: 6 @24404 has 192 MA's), (8, 24485), (15, 24551), (24, 24620), (27, 24668), (29, 24695), (36, 24773), (39, 24809), (65, 25187), (80, 25361), (85, 25448), (98, 25604), (111, 25835), (115, 25877), (117, 25919), (129, 26141), (134, 26198),

Gene: Fascinus_30 Start: 23911, Stop: 25764, Start Num: 6

Candidate Starts for Fascinus_30:

(Start: 6 @23911 has 192 MA's), (8, 23992), (10, 24016), (15, 24058), (24, 24127), (27, 24175), (29, 24202), (36, 24280), (39, 24316), (46, 24388), (65, 24694), (80, 24868), (85, 24955), (98, 25111), (109, 25297), (111, 25342), (115, 25384), (117, 25426), (129, 25648), (134, 25705),

Gene: Fenn_32 Start: 25722, Stop: 27575, Start Num: 6

Candidate Starts for Fenn_32:

(Start: 6 @25722 has 192 MA's), (8, 25803), (15, 25869), (24, 25938), (27, 25986), (29, 26013), (31, 26049), (36, 26091), (39, 26127), (46, 26199), (65, 26505), (80, 26679), (85, 26766), (98, 26922), (111, 27153), (115, 27195), (117, 27237), (129, 27459), (134, 27516),

Gene: Forsytheast_31 Start: 24328, Stop: 26181, Start Num: 6

Candidate Starts for Forsytheast_31:

(Start: 6 @24328 has 192 MA's), (8, 24409), (15, 24475), (24, 24544), (25, 24547), (27, 24592), (29, 24619), (31, 24655), (36, 24697), (39, 24733), (46, 24805), (65, 25111), (80, 25285), (85, 25372), (91, 25471), (98, 25528), (111, 25759), (115, 25801), (117, 25843), (129, 26065), (132, 26086), (134, 26122),

Gene: Francis47_31 Start: 24594, Stop: 26447, Start Num: 6

Candidate Starts for Francis47_31:

(Start: 6 @24594 has 192 MA's), (8, 24675), (15, 24741), (24, 24810), (27, 24858), (29, 24885), (31, 24921), (36, 24963), (39, 24999), (46, 25071), (65, 25377), (73, 25479), (80, 25551), (85, 25638), (98, 25794), (111, 26025), (114, 26064), (115, 26067), (117, 26109), (129, 26331), (132, 26352), (134, 26388),

Gene: Froghopper_32 Start: 24056, Stop: 25909, Start Num: 6

Candidate Starts for Froghopper_32:

(Start: 6 @24056 has 192 MA's), (8, 24137), (10, 24161), (15, 24203), (24, 24272), (27, 24320), (29, 24347), (36, 24425), (39, 24461), (46, 24533), (65, 24839), (73, 24941), (80, 25013), (85, 25100), (98, 25256), (111, 25487), (115, 25529), (117, 25571), (129, 25793), (134, 25850),

Gene: Fushigi_32 Start: 24513, Stop: 26366, Start Num: 6

Candidate Starts for Fushigi_32:

(Start: 6 @24513 has 192 MA's), (8, 24594), (10, 24618), (15, 24660), (24, 24729), (27, 24777), (29, 24804), (36, 24882), (39, 24918), (46, 24990), (65, 25296), (80, 25470), (85, 25557), (98, 25713), (111, 25944), (115, 25986), (117, 26028), (129, 26250), (134, 26307),

Gene: GageAP_33 Start: 24827, Stop: 26680, Start Num: 6

Candidate Starts for GageAP_33:

(Start: 6 @24827 has 192 MA's), (8, 24908), (15, 24974), (24, 25043), (25, 25046), (27, 25091), (29, 25118), (31, 25154), (36, 25196), (39, 25232), (46, 25304), (65, 25610), (78, 25754), (80, 25784), (85, 25871), (98, 26027), (111, 26258), (115, 26300), (117, 26342), (129, 26564), (134, 26621),

Gene: Gandalf20_32 Start: 24932, Stop: 26785, Start Num: 6

Candidate Starts for Gandalf20_32:

(Start: 6 @24932 has 192 MA's), (8, 25013), (15, 25079), (24, 25148), (27, 25196), (29, 25223), (36, 25301), (39, 25337), (44, 25376), (46, 25409), (50, 25460), (65, 25715), (73, 25817), (80, 25889), (85, 25976), (98, 26132), (111, 26363), (115, 26405), (117, 26447), (129, 26669), (132, 26690), (134, 26726),

Gene: Gompeii16_31 Start: 24589, Stop: 26442, Start Num: 6

Candidate Starts for Gompeii16_31:

(Start: 6 @24589 has 192 MA's), (8, 24670), (10, 24694), (15, 24736), (24, 24805), (27, 24853), (29, 24880), (31, 24916), (36, 24958), (39, 24994), (46, 25066), (65, 25372), (73, 25474), (80, 25546), (85, 25633), (98, 25789), (111, 26020), (114, 26059), (115, 26062), (117, 26104), (129, 26326), (132, 26347), (134, 26383),

Gene: Graduation_33 Start: 24811, Stop: 26664, Start Num: 6

Candidate Starts for Graduation_33:

(Start: 6 @24811 has 192 MA's), (8, 24892), (15, 24958), (24, 25027), (25, 25030), (27, 25075), (29, 25102), (31, 25138), (36, 25180), (39, 25216), (46, 25288), (65, 25594), (80, 25768), (85, 25855), (98, 26011), (111, 26242), (115, 26284), (117, 26326), (129, 26548), (132, 26569), (134, 26605),

Gene: GrecoEtereo_33 Start: 24898, Stop: 26751, Start Num: 6

Candidate Starts for GrecoEtereo_33:

(Start: 6 @24898 has 192 MA's), (8, 24979), (15, 25045), (24, 25114), (27, 25162), (29, 25189), (36, 25267), (39, 25303), (46, 25375), (65, 25681), (80, 25855), (85, 25942), (98, 26098), (109, 26284), (111, 26329), (115, 26371), (117, 26413), (129, 26635), (134, 26692),

Gene: Greg_33 Start: 24404, Stop: 26257, Start Num: 6

Candidate Starts for Greg_33:

(Start: 6 @24404 has 192 MA's), (8, 24485), (15, 24551), (24, 24620), (27, 24668), (29, 24695), (36, 24773), (39, 24809), (65, 25187), (80, 25361), (85, 25448), (98, 25604), (111, 25835), (115, 25877), (117, 25919), (129, 26141), (134, 26198),

Gene: Gwendoluna_34 Start: 26046, Stop: 27899, Start Num: 6

Candidate Starts for Gwendoluna_34:

(Start: 6 @26046 has 192 MA's), (8, 26127), (15, 26193), (24, 26262), (27, 26310), (29, 26337), (36, 26415), (44, 26490), (46, 26523), (50, 26574), (65, 26829), (80, 27003), (85, 27090), (92, 27192), (98, 27246), (109, 27432), (111, 27477), (115, 27519), (117, 27561), (129, 27783), (132, 27804), (134, 27840),

Gene: Gyzlar_33 Start: 25352, Stop: 27205, Start Num: 6

Candidate Starts for Gyzlar_33:

(Start: 6 @25352 has 192 MA's), (8, 25433), (15, 25499), (24, 25568), (27, 25616), (29, 25643), (36, 25721), (39, 25757), (46, 25829), (65, 26135), (80, 26309), (85, 26396), (98, 26552), (101, 26612), (109, 26738), (111, 26783), (115, 26825), (117, 26867), (129, 27089), (132, 27110), (134, 27146),

Gene: Halley_39 Start: 30225, Stop: 32153, Start Num: 2

Candidate Starts for Halley_39:

(Start: 2 @30225 has 24 MA's), (17, 30420), (31, 30588), (38, 30645), (41, 30684), (45, 30714), (48, 30780), (60, 30978), (65, 31044), (69, 31089), (76, 31149), (86, 31308), (101, 31515), (113, 31758), (115, 31779), (121, 31839), (126, 31893), (127, 31959), (128, 31998), (134, 32097),

Gene: Hami1_33 Start: 24498, Stop: 26378, Start Num: 6

Candidate Starts for Hami1_33:

(Start: 6 @24498 has 192 MA's), (8, 24579), (15, 24645), (24, 24714), (27, 24762), (29, 24789), (31, 24825), (36, 24867), (39, 24903), (46, 24975), (65, 25281), (78, 25425), (80, 25455), (85, 25542), (98, 25698), (111, 25929), (115, 25971), (117, 26013), (129, 26235), (133, 26280), (134, 26292),

Gene: HanShotFirst_31 Start: 24032, Stop: 25885, Start Num: 6

Candidate Starts for HanShotFirst_31:

(Start: 6 @24032 has 192 MA's), (8, 24113), (15, 24179), (24, 24248), (27, 24296), (29, 24323), (31, 24359), (36, 24401), (39, 24437), (46, 24509), (65, 24815), (80, 24989), (85, 25076), (98, 25232), (111, 25463), (115, 25505), (117, 25547), (129, 25769), (132, 25790), (134, 25826),

Gene: HarryOW_32 Start: 24486, Stop: 26339, Start Num: 6

Candidate Starts for HarryOW_32:

(Start: 6 @24486 has 192 MA's), (8, 24567), (15, 24633), (24, 24702), (27, 24750), (29, 24777), (36, 24855), (39, 24891), (46, 24963), (65, 25269), (80, 25443), (85, 25530), (98, 25686), (109, 25872), (111, 25917), (115, 25959), (117, 26001), (129, 26223), (134, 26280),

Gene: Hermia_34 Start: 25614, Stop: 27467, Start Num: 6

Candidate Starts for Hermia_34:

(Start: 6 @25614 has 192 MA's), (8, 25695), (15, 25761), (24, 25830), (27, 25878), (29, 25905), (36, 25983), (46, 26091), (65, 26397), (73, 26499), (80, 26571), (85, 26658), (98, 26814), (101, 26874), (111, 27045), (115, 27087), (117, 27129), (129, 27351), (132, 27372), (134, 27408),

Gene: HermioneGrange_31 Start: 24013, Stop: 25866, Start Num: 6

Candidate Starts for HermioneGrange_31:

(Start: 6 @24013 has 192 MA's), (8, 24094), (15, 24160), (24, 24229), (27, 24277), (29, 24304), (36, 24382), (39, 24418), (46, 24490), (65, 24796), (80, 24970), (85, 25057), (98, 25213), (111, 25444), (115, 25486), (117, 25528), (129, 25750), (132, 25771), (134, 25807),

Gene: HokkenD_34 Start: 29774, Stop: 31702, Start Num: 2

Candidate Starts for HokkenD_34:

(Start: 2 @29774 has 24 MA's), (17, 29969), (31, 30137), (38, 30194), (41, 30233), (45, 30263), (48, 30329), (60, 30527), (65, 30593), (69, 30638), (76, 30698), (86, 30857), (101, 31064), (113, 31307), (115, 31328), (121, 31388), (126, 31442), (127, 31508), (128, 31547), (134, 31646),

Gene: Homines_31 Start: 24385, Stop: 26238, Start Num: 6

Candidate Starts for Homines_31:

(Start: 6 @24385 has 192 MA's), (8, 24466), (15, 24532), (24, 24601), (27, 24649), (29, 24676), (36, 24754), (39, 24790), (46, 24862), (65, 25168), (80, 25342), (85, 25429), (98, 25585), (109, 25771), (111, 25816), (115, 25858), (117, 25900), (129, 26122), (134, 26179),

Gene: Hope4ever_31 Start: 24501, Stop: 26354, Start Num: 6

Candidate Starts for Hope4ever_31:

(Start: 6 @24501 has 192 MA's), (7, 24519), (8, 24582), (15, 24648), (24, 24717), (25, 24720), (27, 24765), (29, 24792), (31, 24828), (36, 24870), (39, 24906), (46, 24978), (64, 25269), (65, 25284), (80, 25458), (85, 25545), (98, 25701), (111, 25932), (115, 25974), (117, 26016), (129, 26238), (134, 26295),

Gene: Hughesyang_37 Start: 30122, Stop: 32050, Start Num: 2

Candidate Starts for Hughesyang_37:

(Start: 2 @30122 has 24 MA's), (23, 30368), (34, 30506), (38, 30542), (42, 30590), (53, 30746), (58, 30836), (60, 30875), (65, 30941), (66, 30953), (67, 30956), (69, 30986), (76, 31046), (85, 31193), (88, 31214), (94, 31331), (100, 31391), (101, 31412), (105, 31490), (112, 31628), (115, 31676), (121, 31736), (126, 31790), (127, 31856), (129, 31937),

Gene: ILeeKay_33 Start: 24265, Stop: 26118, Start Num: 6

Candidate Starts for ILeeKay_33:

(Start: 6 @24265 has 192 MA's), (8, 24346), (15, 24412), (24, 24481), (27, 24529), (29, 24556), (31, 24592), (36, 24634), (39, 24670), (46, 24742), (65, 25048), (80, 25222), (85, 25309), (98, 25465), (101, 25525), (109, 25651), (111, 25696), (115, 25738), (117, 25780), (129, 26002), (132, 26023), (134, 26059),

Gene: Ichabod_32 Start: 24289, Stop: 26142, Start Num: 6

Candidate Starts for Ichabod_32:

(Start: 6 @24289 has 192 MA's), (8, 24370), (15, 24436), (24, 24505), (27, 24553), (29, 24580), (31, 24616), (36, 24658), (39, 24694), (46, 24766), (65, 25072), (73, 25174), (80, 25246), (85, 25333), (98, 25489), (101, 25549), (111, 25720), (115, 25762), (117, 25804), (129, 26026), (134, 26083),

Gene: IgnatiusPatJac_31 Start: 24347, Stop: 26200, Start Num: 6

Candidate Starts for IgnatiusPatJac_31:

(Start: 6 @24347 has 192 MA's), (7, 24365), (8, 24428), (15, 24494), (24, 24563), (25, 24566), (27, 24611), (29, 24638), (31, 24674), (36, 24716), (39, 24752), (46, 24824), (65, 25130), (80, 25304), (85, 25391), (98, 25547), (101, 25607), (111, 25778), (115, 25820), (117, 25862), (129, 26084), (132, 26105), (134, 26141),

Gene: JC27_33 Start: 25001, Stop: 26854, Start Num: 6

Candidate Starts for JC27_33:

(Start: 6 @25001 has 192 MA's), (8, 25082), (15, 25148), (24, 25217), (27, 25265), (29, 25292), (36, 25370), (39, 25406), (46, 25478), (65, 25784), (80, 25958), (85, 26045), (98, 26201), (111, 26432), (115, 26474), (117, 26516), (129, 26738), (134, 26795),

Gene: JackSparrow_32 Start: 24463, Stop: 26316, Start Num: 6

Candidate Starts for JackSparrow_32:

(Start: 6 @24463 has 192 MA's), (8, 24544), (15, 24610), (24, 24679), (27, 24727), (29, 24754), (31, 24790), (36, 24832), (39, 24868), (46, 24940), (65, 25246), (80, 25420), (85, 25507), (98, 25663), (109, 25849), (111, 25894), (115, 25936), (117, 25978), (129, 26200), (134, 26257),

Gene: Jasper_32 Start: 23942, Stop: 25795, Start Num: 6

Candidate Starts for Jasper_32:

(Start: 6 @23942 has 192 MA's), (8, 24023), (15, 24089), (24, 24158), (27, 24206), (29, 24233), (36, 24311), (39, 24347), (46, 24419), (65, 24725), (80, 24899), (85, 24986), (98, 25142), (109, 25328), (111, 25373), (115, 25415), (117, 25457), (129, 25679), (134, 25736),

Gene: Jerm2_32 Start: 24285, Stop: 26138, Start Num: 6

Candidate Starts for Jerm2_32:

(Start: 6 @24285 has 192 MA's), (8, 24366), (15, 24432), (24, 24501), (27, 24549), (29, 24576), (36, 24654), (39, 24690), (46, 24762), (65, 25068), (80, 25242), (85, 25329), (98, 25485), (111, 25716), (115, 25758), (117, 25800), (129, 26022), (132, 26043), (134, 26079),

Gene: Jorgensen_31 Start: 23996, Stop: 25849, Start Num: 6

Candidate Starts for Jorgensen_31:

(Start: 6 @23996 has 192 MA's), (8, 24077), (15, 24143), (24, 24212), (27, 24260), (29, 24287), (36, 24365), (46, 24473), (65, 24779), (80, 24953), (85, 25040), (91, 25139), (98, 25196), (111, 25427), (115, 25469), (117, 25511), (129, 25733), (132, 25754), (134, 25790),

Gene: JuicyJay_41 Start: 31975, Stop: 33903, Start Num: 2

Candidate Starts for JuicyJay_41:

(Start: 2 @31975 has 24 MA's), (17, 32170), (31, 32338), (38, 32395), (41, 32434), (45, 32464), (48, 32530), (60, 32728), (65, 32794), (69, 32839), (76, 32899), (86, 33058), (101, 33265), (113, 33508), (115, 33529), (121, 33589), (126, 33643), (127, 33709), (128, 33748), (134, 33847),

Gene: JuliaChild_33 Start: 24641, Stop: 26494, Start Num: 6

Candidate Starts for JuliaChild_33:

(Start: 6 @24641 has 192 MA's), (8, 24722), (15, 24788), (24, 24857), (27, 24905), (29, 24932), (36, 25010), (39, 25046), (46, 25118), (65, 25424), (73, 25526), (80, 25598), (85, 25685), (98, 25841), (111, 26072), (115, 26114), (117, 26156), (129, 26378), (134, 26435),

Gene: KBG_32 Start: 24995, Stop: 26998, Start Num: 6

Candidate Starts for KBG_32:

(Start: 6 @24995 has 192 MA's), (8, 25076), (10, 25100), (15, 25142), (24, 25211), (25, 25214), (27, 25259), (29, 25286), (31, 25322), (36, 25364), (39, 25400), (46, 25472), (65, 25778), (73, 25880), (80, 25952), (85, 26039), (98, 26195), (111, 26426), (114, 26465), (115, 26468), (117, 26510), (129, 26732), (133, 26777), (134, 26789),

Gene: KSSJEB_31 Start: 23889, Stop: 25742, Start Num: 6

Candidate Starts for KSSJEB_31:

(Start: 6 @23889 has 192 MA's), (8, 23970), (15, 24036), (24, 24105), (27, 24153), (29, 24180), (36, 24258), (39, 24294), (46, 24366), (65, 24672), (73, 24774), (80, 24846), (85, 24933), (98, 25089), (101, 25149), (111, 25320), (115, 25362), (117, 25404), (129, 25626), (132, 25647), (134, 25683),

Gene: Kalah2_39 Start: 30562, Stop: 32490, Start Num: 2

Candidate Starts for Kalah2_39:

(Start: 2 @30562 has 24 MA's), (17, 30757), (31, 30925), (38, 30982), (41, 31021), (45, 31051), (48, 31117), (60, 31315), (65, 31381), (69, 31426), (76, 31486), (86, 31645), (101, 31852), (113, 32095), (115, 32116), (121, 32176), (126, 32230), (127, 32296), (128, 32335), (134, 32434),

Gene: Kanely_32 Start: 24699, Stop: 26552, Start Num: 6

Candidate Starts for Kanely_32:

(Start: 6 @24699 has 192 MA's), (8, 24780), (15, 24846), (24, 24915), (27, 24963), (29, 24990), (36, 25068), (39, 25104), (46, 25176), (65, 25482), (80, 25656), (85, 25743), (98, 25899), (111, 26130), (115, 26172), (117, 26214), (129, 26436), (132, 26457), (134, 26493),

Gene: Kenmech_34 Start: 25405, Stop: 27258, Start Num: 6

Candidate Starts for Kenmech_34:

(Start: 6 @25405 has 192 MA's), (7, 25423), (8, 25486), (15, 25552), (24, 25621), (25, 25624), (27, 25669), (29, 25696), (36, 25774), (39, 25810), (46, 25882), (65, 26188), (80, 26362), (85, 26449), (98, 26605), (109, 26791), (111, 26836), (115, 26878), (117, 26920), (125, 26980), (129, 27142), (134, 27199),

Gene: Killigrew_29 Start: 23611, Stop: 25464, Start Num: 6

Candidate Starts for Killigrew_29:

(Start: 6 @23611 has 192 MA's), (7, 23629), (8, 23692), (15, 23758), (24, 23827), (27, 23875), (29, 23902), (31, 23938), (36, 23980), (39, 24016), (46, 24088), (65, 24394), (80, 24568), (85, 24655), (98,

24811), (109, 24997), (115, 25084), (117, 25126), (129, 25348), (132, 25369), (134, 25405),

Gene: Klein_39 Start: 29786, Stop: 31714, Start Num: 2

Candidate Starts for Klein_39:

(Start: 2 @29786 has 24 MA's), (17, 29981), (31, 30149), (38, 30206), (41, 30245), (45, 30275), (48, 30341), (60, 30539), (65, 30605), (69, 30650), (76, 30710), (86, 30869), (101, 31076), (113, 31319), (115, 31340), (121, 31400), (126, 31454), (127, 31520), (128, 31559), (134, 31658),

Gene: Kugel_32 Start: 24272, Stop: 26125, Start Num: 6

Candidate Starts for Kugel_32:

(Start: 6 @24272 has 192 MA's), (8, 24353), (15, 24419), (24, 24488), (27, 24536), (29, 24563), (36, 24641), (39, 24677), (44, 24716), (46, 24749), (50, 24800), (65, 25055), (78, 25199), (80, 25229), (85, 25316), (98, 25472), (109, 25658), (111, 25703), (115, 25745), (117, 25787), (129, 26009), (134, 26066),

Gene: KyMonks1A_33 Start: 24438, Stop: 26291, Start Num: 6

Candidate Starts for KyMonks1A_33:

(Start: 6 @24438 has 192 MA's), (8, 24519), (15, 24585), (24, 24654), (27, 24702), (36, 24807), (39, 24843), (46, 24915), (65, 25221), (73, 25323), (80, 25395), (85, 25482), (98, 25638), (111, 25869), (115, 25911), (117, 25953), (129, 26175), (134, 26232),

Gene: Kykar_31 Start: 24060, Stop: 25913, Start Num: 6

Candidate Starts for Kykar_31:

(Start: 6 @24060 has 192 MA's), (8, 24141), (15, 24207), (24, 24276), (27, 24324), (29, 24351), (36, 24429), (39, 24465), (46, 24537), (65, 24843), (80, 25017), (85, 25104), (92, 25206), (98, 25260), (111, 25491), (115, 25533), (117, 25575), (129, 25797), (132, 25818), (134, 25854),

Gene: Lamina13_31 Start: 23709, Stop: 25562, Start Num: 6

Candidate Starts for Lamina13_31:

(Start: 6 @23709 has 192 MA's), (8, 23790), (15, 23856), (24, 23925), (27, 23973), (29, 24000), (36, 24078), (44, 24153), (46, 24186), (50, 24237), (65, 24492), (80, 24666), (85, 24753), (98, 24909), (109, 25095), (111, 25140), (115, 25182), (117, 25224), (129, 25446), (132, 25467), (134, 25503),

Gene: Lesedi_30 Start: 23867, Stop: 25720, Start Num: 6

Candidate Starts for Lesedi_30:

(Start: 6 @23867 has 192 MA's), (8, 23948), (15, 24014), (24, 24083), (27, 24131), (29, 24158), (36, 24236), (39, 24272), (46, 24344), (65, 24650), (80, 24824), (85, 24911), (98, 25067), (111, 25298), (115, 25340), (117, 25382), (129, 25604), (132, 25625), (133, 25649), (134, 25661),

Gene: Licorice_33 Start: 25096, Stop: 26949, Start Num: 6

Candidate Starts for Licorice_33:

(Start: 6 @25096 has 192 MA's), (8, 25177), (15, 25243), (24, 25312), (27, 25360), (29, 25387), (36, 25465), (39, 25501), (46, 25573), (65, 25879), (80, 26053), (85, 26140), (98, 26296), (111, 26527), (115, 26569), (117, 26611), (129, 26833), (134, 26890),

Gene: LilBib_32 Start: 25309, Stop: 27162, Start Num: 6

Candidate Starts for LilBib_32:

(Start: 6 @25309 has 192 MA's), (8, 25390), (15, 25456), (24, 25525), (27, 25573), (29, 25600), (36, 25678), (39, 25714), (46, 25786), (65, 26092), (80, 26266), (85, 26353), (98, 26509), (111, 26740), (115, 26782), (117, 26824), (129, 27046), (134, 27103),

Gene: Lockley_31 Start: 24050, Stop: 25903, Start Num: 6

Candidate Starts for Lockley_31:

(Start: 6 @24050 has 192 MA's), (7, 24068), (8, 24131), (15, 24197), (24, 24266), (25, 24269), (27, 24314), (29, 24341), (31, 24377), (36, 24419), (39, 24455), (46, 24527), (65, 24833), (73, 24935), (80, 25007), (85, 25094), (98, 25250), (109, 25436), (111, 25481), (115, 25523), (117, 25565), (129, 25787), (132, 25808), (134, 25844),

Gene: Lopton_32 Start: 25511, Stop: 27364, Start Num: 6

Candidate Starts for Lopton_32:

(Start: 6 @25511 has 192 MA's), (7, 25529), (8, 25592), (15, 25658), (24, 25727), (27, 25775), (29, 25802), (31, 25838), (36, 25880), (39, 25916), (46, 25988), (65, 26294), (73, 26396), (80, 26468), (85, 26555), (98, 26711), (101, 26771), (111, 26942), (115, 26984), (117, 27026), (129, 27248), (132, 27269), (134, 27305),

Gene: MPlant7149_30 Start: 23639, Stop: 25492, Start Num: 6

Candidate Starts for MPlant7149_30:

(Start: 6 @23639 has 192 MA's), (8, 23720), (15, 23786), (24, 23855), (27, 23903), (29, 23930), (36, 24008), (39, 24044), (46, 24116), (65, 24422), (80, 24596), (85, 24683), (98, 24839), (111, 25070), (115, 25112), (117, 25154), (129, 25376), (134, 25433),

Gene: Magnar_31 Start: 23836, Stop: 25689, Start Num: 6

Candidate Starts for Magnar_31:

(Start: 6 @23836 has 192 MA's), (8, 23917), (15, 23983), (24, 24052), (27, 24100), (29, 24127), (36, 24205), (39, 24241), (46, 24313), (60, 24553), (65, 24619), (80, 24793), (85, 24880), (98, 25036), (111, 25267), (115, 25309), (117, 25351), (129, 25573), (132, 25594), (134, 25630),

Gene: Magnito_30 Start: 23588, Stop: 25441, Start Num: 6

Candidate Starts for Magnito_30:

(Start: 6 @23588 has 192 MA's), (8, 23669), (15, 23735), (24, 23804), (27, 23852), (29, 23879), (36, 23957), (39, 23993), (46, 24065), (65, 24371), (74, 24482), (80, 24545), (85, 24632), (98, 24788), (109, 24974), (111, 25019), (115, 25061), (117, 25103), (129, 25325), (134, 25382),

Gene: Makemake_31 Start: 25304, Stop: 27157, Start Num: 6

Candidate Starts for Makemake_31:

(Start: 6 @25304 has 192 MA's), (8, 25385), (15, 25451), (24, 25520), (27, 25568), (29, 25595), (31, 25631), (36, 25673), (39, 25709), (46, 25781), (65, 26087), (80, 26261), (85, 26348), (98, 26504), (109, 26690), (111, 26735), (115, 26777), (117, 26819), (129, 27041), (132, 27062), (134, 27098),

Gene: Manatee_32 Start: 23834, Stop: 25687, Start Num: 6

Candidate Starts for Manatee_32:

(Start: 6 @23834 has 192 MA's), (8, 23915), (15, 23981), (24, 24050), (27, 24098), (29, 24125), (36, 24203), (39, 24239), (46, 24311), (65, 24617), (80, 24791), (85, 24878), (98, 25034), (109, 25220), (111, 25265), (115, 25307), (117, 25349), (129, 25571), (134, 25628),

Gene: Marcell_31 Start: 24324, Stop: 26177, Start Num: 6

Candidate Starts for Marcell_31:

(Start: 6 @24324 has 192 MA's), (8, 24405), (15, 24471), (24, 24540), (27, 24588), (29, 24615), (36, 24693), (39, 24729), (46, 24801), (65, 25107), (80, 25281), (85, 25368), (98, 25524), (111, 25755), (115, 25797), (117, 25839), (129, 26061), (134, 26118),

Gene: Marchy_29 Start: 23629, Stop: 25482, Start Num: 6

Candidate Starts for Marchy_29:

(Start: 6 @23629 has 192 MA's), (8, 23710), (15, 23776), (24, 23845), (27, 23893), (29, 23920), (31, 23956), (36, 23998), (39, 24034), (46, 24106), (65, 24412), (80, 24586), (85, 24673), (94, 24808), (98, 24829), (111, 25060), (115, 25102), (117, 25144), (129, 25366), (134, 25423),

Gene: Marge_32 Start: 24724, Stop: 26577, Start Num: 6

Candidate Starts for Marge_32:

(Start: 6 @24724 has 192 MA's), (8, 24805), (15, 24871), (24, 24940), (27, 24988), (29, 25015), (36, 25093), (46, 25201), (65, 25507), (80, 25681), (85, 25768), (98, 25924), (111, 26155), (115, 26197), (117, 26239), (129, 26461), (134, 26518),

Gene: Maroc7_30 Start: 23828, Stop: 25681, Start Num: 6

Candidate Starts for Maroc7_30:

(Start: 6 @23828 has 192 MA's), (8, 23909), (15, 23975), (21, 24014), (24, 24044), (27, 24092), (29, 24119), (36, 24197), (39, 24233), (46, 24305), (65, 24611), (80, 24785), (85, 24872), (98, 25028), (101, 25088), (109, 25214), (111, 25259), (115, 25301), (117, 25343), (125, 25403), (129, 25565), (132, 25586), (134, 25622),

Gene: Marsha_31 Start: 24903, Stop: 26756, Start Num: 6

Candidate Starts for Marsha_31:

(Start: 6 @24903 has 192 MA's), (8, 24984), (15, 25050), (24, 25119), (27, 25167), (29, 25194), (36, 25272), (39, 25308), (46, 25380), (65, 25686), (80, 25860), (85, 25947), (98, 26103), (111, 26334), (115, 26376), (117, 26418), (129, 26640), (134, 26697),

Gene: MaryBeth_31 Start: 24256, Stop: 26109, Start Num: 6

Candidate Starts for MaryBeth_31:

(Start: 6 @24256 has 192 MA's), (8, 24337), (10, 24361), (15, 24403), (24, 24472), (27, 24520), (29, 24547), (31, 24583), (36, 24625), (39, 24661), (46, 24733), (65, 25039), (80, 25213), (85, 25300), (98, 25456), (101, 25516), (109, 25642), (111, 25687), (115, 25729), (117, 25771), (129, 25993), (134, 26050),

Gene: McGuire_32 Start: 24126, Stop: 25979, Start Num: 6

Candidate Starts for McGuire_32:

(Start: 6 @24126 has 192 MA's), (8, 24207), (15, 24273), (24, 24342), (27, 24390), (29, 24417), (31, 24453), (36, 24495), (39, 24531), (46, 24603), (65, 24909), (80, 25083), (85, 25170), (98, 25326), (109, 25512), (111, 25557), (115, 25599), (117, 25641), (129, 25863), (134, 25920),

Gene: MetalQZJ_31 Start: 24256, Stop: 26109, Start Num: 6

Candidate Starts for MetalQZJ_31:

(Start: 6 @24256 has 192 MA's), (8, 24337), (10, 24361), (15, 24403), (24, 24472), (27, 24520), (29, 24547), (31, 24583), (36, 24625), (39, 24661), (46, 24733), (65, 25039), (80, 25213), (85, 25300), (98, 25456), (101, 25516), (109, 25642), (111, 25687), (115, 25729), (117, 25771), (129, 25993), (134, 26050),

Gene: Michley_31 Start: 23953, Stop: 25806, Start Num: 6

Candidate Starts for Michley_31:

(Start: 6 @23953 has 192 MA's), (8, 24034), (15, 24100), (20, 24136), (24, 24169), (27, 24217), (29, 24244), (36, 24322), (39, 24358), (44, 24397), (46, 24430), (50, 24481), (65, 24736), (80, 24910), (85, 24997), (98, 25153), (109, 25339), (111, 25384), (115, 25426), (117, 25468), (129, 25690), (134, 25747),

Gene: Molly_32 Start: 23924, Stop: 25777, Start Num: 6

Candidate Starts for Molly_32:

(Start: 6 @23924 has 192 MA's), (8, 24005), (15, 24071), (24, 24140), (27, 24188), (29, 24215), (36, 24293), (39, 24329), (46, 24401), (65, 24707), (73, 24809), (80, 24881), (85, 24968), (98, 25124), (111, 25355), (115, 25397), (117, 25439), (129, 25661), (134, 25718),

Gene: Monet_33 Start: 25352, Stop: 27205, Start Num: 6

Candidate Starts for Monet_33:

(Start: 6 @25352 has 192 MA's), (8, 25433), (15, 25499), (24, 25568), (27, 25616), (29, 25643), (36, 25721), (39, 25757), (44, 25796), (46, 25829), (50, 25880), (65, 26135), (80, 26309), (85, 26396), (98, 26552), (109, 26738), (111, 26783), (115, 26825), (117, 26867), (129, 27089), (134, 27146),

Gene: Moose_31 Start: 24328, Stop: 26181, Start Num: 6

Candidate Starts for Moose_31:

(Start: 6 @24328 has 192 MA's), (8, 24409), (15, 24475), (24, 24544), (25, 24547), (27, 24592), (29, 24619), (31, 24655), (36, 24697), (39, 24733), (46, 24805), (65, 25111), (80, 25285), (85, 25372), (91, 25471), (98, 25528), (111, 25759), (115, 25801), (117, 25843), (129, 26065), (132, 26086), (134, 26122),

Gene: MrGordo_31 Start: 23816, Stop: 25669, Start Num: 6

Candidate Starts for MrGordo_31:

(Start: 6 @23816 has 192 MA's), (8, 23897), (15, 23963), (24, 24032), (27, 24080), (29, 24107), (36, 24185), (46, 24293), (65, 24599), (80, 24773), (85, 24860), (98, 25016), (109, 25202), (111, 25247), (115, 25289), (117, 25331), (129, 25553), (134, 25610),

Gene: Mryolo_30 Start: 23853, Stop: 25706, Start Num: 6

Candidate Starts for Mryolo_30:

(Start: 6 @23853 has 192 MA's), (8, 23934), (15, 24000), (24, 24069), (27, 24117), (29, 24144), (31, 24180), (36, 24222), (39, 24258), (46, 24330), (65, 24636), (80, 24810), (85, 24897), (98, 25053), (109, 25239), (111, 25284), (115, 25326), (117, 25368), (129, 25590), (134, 25647),

Gene: Mule_31 Start: 24162, Stop: 26015, Start Num: 6

Candidate Starts for Mule_31:

(Start: 6 @24162 has 192 MA's), (8, 24243), (15, 24309), (24, 24378), (27, 24426), (29, 24453), (36, 24531), (39, 24567), (46, 24639), (65, 24945), (80, 25119), (85, 25206), (98, 25362), (111, 25593), (115, 25635), (117, 25677), (129, 25899), (132, 25920), (134, 25956),

Gene: Museum_33 Start: 24172, Stop: 26025, Start Num: 6

Candidate Starts for Museum_33:

(Start: 6 @24172 has 192 MA's), (8, 24253), (15, 24319), (24, 24388), (27, 24436), (29, 24463), (31, 24499), (36, 24541), (39, 24577), (46, 24649), (65, 24955), (73, 25057), (80, 25129), (85, 25216), (98, 25372), (111, 25603), (115, 25645), (117, 25687), (129, 25909), (132, 25930), (134, 25966),

Gene: NEHalo_31 Start: 23910, Stop: 25763, Start Num: 6

Candidate Starts for NEHalo_31:

(Start: 6 @23910 has 192 MA's), (8, 23991), (15, 24057), (24, 24126), (27, 24174), (29, 24201), (36, 24279), (39, 24315), (44, 24354), (46, 24387), (50, 24438), (65, 24693), (80, 24867), (85, 24954), (98, 25110), (109, 25296), (111, 25341), (115, 25383), (117, 25425), (129, 25647), (132, 25668), (134, 25704),

Gene: Naira_32 Start: 25769, Stop: 27622, Start Num: 6

Candidate Starts for Naira_32:

(Start: 6 @25769 has 192 MA's), (8, 25850), (15, 25916), (24, 25985), (27, 26033), (29, 26060), (36, 26138), (39, 26174), (46, 26246), (65, 26552), (80, 26726), (85, 26813), (98, 26969), (111, 27200), (115, 27242), (117, 27284), (129, 27506), (134, 27563),

Gene: Nerujay_32 Start: 24578, Stop: 26431, Start Num: 6

Candidate Starts for Nerujay_32:

(Start: 6 @24578 has 192 MA's), (8, 24659), (15, 24725), (24, 24794), (27, 24842), (29, 24869), (31, 24905), (36, 24947), (39, 24983), (46, 25055), (65, 25361), (73, 25463), (80, 25535), (85, 25622), (98, 25778), (109, 25964), (111, 26009), (115, 26051), (117, 26093), (129, 26315), (134, 26372),

Gene: Nhonho_31 Start: 24329, Stop: 26182, Start Num: 6

Candidate Starts for Nhonho_31:

(Start: 6 @24329 has 192 MA's), (8, 24410), (15, 24476), (24, 24545), (27, 24593), (29, 24620), (36, 24698), (39, 24734), (46, 24806), (65, 25112), (80, 25286), (85, 25373), (98, 25529), (101, 25589), (109, 25715), (111, 25760), (115, 25802), (117, 25844), (129, 26066), (134, 26123),

Gene: NihilNomen_38 Start: 30270, Stop: 32198, Start Num: 2

Candidate Starts for NihilNomen_38:

(Start: 2 @30270 has 24 MA's), (23, 30516), (34, 30654), (38, 30690), (42, 30738), (53, 30894), (58, 30984), (60, 31023), (65, 31089), (66, 31101), (67, 31104), (69, 31134), (76, 31194), (85, 31341), (88, 31362), (94, 31479), (100, 31539), (101, 31560), (105, 31638), (112, 31776), (115, 31824), (121, 31884), (126, 31938), (127, 32004), (129, 32085),

Gene: Niza_33 Start: 25206, Stop: 27059, Start Num: 6

Candidate Starts for Niza_33:

(Start: 6 @25206 has 192 MA's), (8, 25287), (15, 25353), (24, 25422), (27, 25470), (29, 25497), (36, 25575), (39, 25611), (46, 25683), (65, 25989), (80, 26163), (85, 26250), (98, 26406), (109, 26592), (111, 26637), (115, 26679), (117, 26721), (129, 26943), (134, 27000),

Gene: Norz_33 Start: 24985, Stop: 26838, Start Num: 6

Candidate Starts for Norz_33:

(Start: 6 @24985 has 192 MA's), (8, 25066), (15, 25132), (24, 25201), (27, 25249), (29, 25276), (36, 25354), (39, 25390), (46, 25462), (65, 25768), (80, 25942), (85, 26029), (98, 26185), (111, 26416), (115, 26458), (117, 26500), (129, 26722), (132, 26743), (134, 26779),

Gene: Odette_38 Start: 29503, Stop: 31431, Start Num: 2

Candidate Starts for Odette_38:

(Start: 2 @29503 has 24 MA's), (23, 29749), (34, 29887), (38, 29923), (42, 29971), (53, 30127), (58, 30217), (60, 30256), (65, 30322), (66, 30334), (67, 30337), (69, 30367), (76, 30427), (85, 30574), (88, 30595), (94, 30712), (100, 30772), (101, 30793), (105, 30871), (112, 31009), (115, 31057), (121, 31117), (126, 31171), (127, 31237), (129, 31318),

Gene: Ohno789_31 Start: 23971, Stop: 25824, Start Num: 6

Candidate Starts for Ohno789_31:

(Start: 6 @23971 has 192 MA's), (7, 23989), (8, 24052), (15, 24118), (24, 24187), (27, 24235), (29, 24262), (36, 24340), (44, 24415), (46, 24448), (50, 24499), (65, 24754), (80, 24928), (85, 25015), (98, 25171), (101, 25231), (109, 25357), (111, 25402), (115, 25444), (117, 25486), (129, 25708), (132, 25729), (134, 25765),

Gene: Oogway_30 Start: 24093, Stop: 25946, Start Num: 6

Candidate Starts for Oogway_30:

(Start: 6 @24093 has 192 MA's), (8, 24174), (15, 24240), (24, 24309), (27, 24357), (29, 24384), (36, 24462), (39, 24498), (46, 24570), (65, 24876), (80, 25050), (85, 25137), (98, 25293), (111, 25524), (115, 25566), (117, 25608), (129, 25830), (132, 25851), (134, 25887),

Gene: PSullivan_32 Start: 24641, Stop: 26494, Start Num: 6

Candidate Starts for PSullivan_32:

(Start: 6 @24641 has 192 MA's), (8, 24722), (15, 24788), (24, 24857), (27, 24905), (36, 25010), (39, 25046), (46, 25118), (65, 25424), (73, 25526), (80, 25598), (85, 25685), (98, 25841), (111, 26072),

(115, 26114), (117, 26156), (129, 26378), (134, 26435),

Gene: PacerPaul_31 Start: 24325, Stop: 26178, Start Num: 6

Candidate Starts for PacerPaul_31:

(Start: 6 @24325 has 192 MA's), (8, 24406), (15, 24472), (24, 24541), (27, 24589), (29, 24616), (31, 24652), (36, 24694), (39, 24730), (46, 24802), (65, 25108), (73, 25210), (80, 25282), (85, 25369), (98, 25525), (111, 25756), (114, 25795), (115, 25798), (117, 25840), (129, 26062), (132, 26083), (134, 26119),

Gene: Papez_33 Start: 25809, Stop: 27662, Start Num: 6

Candidate Starts for Papez_33:

(Start: 6 @25809 has 192 MA's), (8, 25890), (15, 25956), (24, 26025), (27, 26073), (29, 26100), (36, 26178), (46, 26286), (65, 26592), (80, 26766), (85, 26853), (98, 27009), (109, 27195), (111, 27240), (115, 27282), (117, 27324), (129, 27546), (134, 27603),

Gene: Paphu_30 Start: 23838, Stop: 25694, Start Num: 6

Candidate Starts for Paphu_30:

(Start: 6 @23838 has 192 MA's), (8, 23919), (15, 23985), (24, 24054), (27, 24102), (29, 24129), (36, 24207), (39, 24243), (46, 24315), (65, 24621), (80, 24795), (85, 24885), (98, 25041), (111, 25272), (115, 25314), (117, 25356), (129, 25578), (134, 25635),

Gene: Paraselene_30 Start: 24313, Stop: 26166, Start Num: 6

Candidate Starts for Paraselene_30:

(Start: 6 @24313 has 192 MA's), (7, 24331), (8, 24394), (14, 24457), (15, 24460), (24, 24529), (27, 24577), (29, 24604), (36, 24682), (44, 24757), (46, 24790), (50, 24841), (60, 25030), (65, 25096), (80, 25270), (85, 25357), (98, 25513), (111, 25744), (115, 25786), (117, 25828), (129, 26050), (134, 26107),

Gene: Pari_32 Start: 23845, Stop: 25698, Start Num: 6

Candidate Starts for Pari_32:

(Start: 6 @23845 has 192 MA's), (7, 23863), (8, 23926), (15, 23992), (24, 24061), (27, 24109), (29, 24136), (36, 24214), (39, 24250), (44, 24289), (46, 24322), (50, 24373), (65, 24628), (80, 24802), (85, 24889), (98, 25045), (109, 25231), (111, 25276), (115, 25318), (117, 25360), (129, 25582), (132, 25603), (134, 25639),

Gene: Parliament_30 Start: 24180, Stop: 26033, Start Num: 6

Candidate Starts for Parliament_30:

(Start: 6 @24180 has 192 MA's), (8, 24261), (15, 24327), (24, 24396), (27, 24444), (29, 24471), (36, 24549), (44, 24624), (46, 24657), (50, 24708), (65, 24963), (80, 25137), (85, 25224), (98, 25380), (111, 25611), (115, 25653), (117, 25695), (129, 25917), (132, 25938), (134, 25974),

Gene: PascalRango_32 Start: 24148, Stop: 26001, Start Num: 6

Candidate Starts for PascalRango_32:

(Start: 6 @24148 has 192 MA's), (7, 24166), (8, 24229), (15, 24295), (24, 24364), (25, 24367), (27, 24412), (29, 24439), (31, 24475), (36, 24517), (39, 24553), (46, 24625), (65, 24931), (80, 25105), (85, 25192), (98, 25348), (111, 25579), (115, 25621), (117, 25663), (129, 25885), (132, 25906), (134, 25942),

Gene: PattyP_33 Start: 24381, Stop: 26234, Start Num: 6

Candidate Starts for PattyP_33:

(Start: 6 @24381 has 192 MA's), (8, 24462), (15, 24528), (24, 24597), (27, 24645), (29, 24672), (31, 24708), (36, 24750), (39, 24786), (46, 24858), (65, 25164), (73, 25266), (80, 25338), (85, 25425), (98, 25581), (111, 25812), (115, 25854), (117, 25896), (129, 26118), (134, 26175),

Gene: Payneful_30 Start: 23629, Stop: 25482, Start Num: 6

Candidate Starts for Payneful_30:

(Start: 6 @23629 has 192 MA's), (8, 23710), (15, 23776), (24, 23845), (27, 23893), (29, 23920), (31, 23956), (36, 23998), (39, 24034), (46, 24106), (65, 24412), (80, 24586), (85, 24673), (94, 24808), (98, 24829), (111, 25060), (115, 25102), (117, 25144), (129, 25366), (134, 25423),

Gene: Pelly_32 Start: 24800, Stop: 26653, Start Num: 6

Candidate Starts for Pelly_32:

(Start: 6 @24800 has 192 MA's), (8, 24881), (15, 24947), (24, 25016), (27, 25064), (29, 25091), (36, 25169), (39, 25205), (46, 25277), (65, 25583), (80, 25757), (85, 25844), (98, 26000), (109, 26186), (111, 26231), (115, 26273), (117, 26315), (129, 26537), (134, 26594),

Gene: Pepe_32 Start: 24982, Stop: 26835, Start Num: 6

Candidate Starts for Pepe_32:

(Start: 6 @24982 has 192 MA's), (8, 25063), (15, 25129), (24, 25198), (27, 25246), (29, 25273), (36, 25351), (39, 25387), (46, 25459), (65, 25765), (73, 25867), (80, 25939), (85, 26026), (98, 26182), (111, 26413), (115, 26455), (117, 26497), (129, 26719), (133, 26764), (134, 26776),

Gene: Perseus_33 Start: 24997, Stop: 26850, Start Num: 6

Candidate Starts for Perseus_33:

(Start: 6 @24997 has 192 MA's), (8, 25078), (15, 25144), (24, 25213), (27, 25261), (36, 25366), (39, 25402), (46, 25474), (65, 25780), (80, 25954), (85, 26041), (98, 26197), (111, 26428), (115, 26470), (117, 26512), (129, 26734), (134, 26791),

Gene: Peterson_34 Start: 26010, Stop: 27860, Start Num: 6

Candidate Starts for Peterson_34:

(Start: 6 @26010 has 192 MA's), (8, 26091), (15, 26157), (18, 26181), (21, 26196), (27, 26274), (29, 26301), (38, 26394), (46, 26487), (47, 26505), (51, 26541), (54, 26598), (65, 26793), (96, 27198), (98, 27210), (115, 27483), (134, 27804),

Gene: Petp2012_33 Start: 25052, Stop: 26905, Start Num: 6

Candidate Starts for Petp2012_33:

(Start: 6 @25052 has 192 MA's), (8, 25133), (15, 25199), (24, 25268), (27, 25316), (29, 25343), (31, 25379), (36, 25421), (39, 25457), (46, 25529), (65, 25835), (73, 25937), (80, 26009), (85, 26096), (98, 26252), (111, 26483), (115, 26525), (117, 26567), (129, 26789), (132, 26810), (134, 26846),

Gene: Petruccio_32 Start: 24510, Stop: 26363, Start Num: 6

Candidate Starts for Petruccio_32:

(Start: 6 @24510 has 192 MA's), (8, 24591), (15, 24657), (24, 24726), (27, 24774), (29, 24801), (36, 24879), (39, 24915), (46, 24987), (65, 25293), (78, 25437), (80, 25467), (85, 25554), (98, 25710), (111, 25941), (115, 25983), (117, 26025), (129, 26247), (132, 26268), (134, 26304),

Gene: Pharaoh_31 Start: 23870, Stop: 25669, Start Num: 3

Candidate Starts for Pharaoh_31:

(Start: 3 @23870 has 1 MA's), (9, 23975), (15, 24026), (16, 24029), (18, 24050), (19, 24056), (22, 24083), (33, 24224), (34, 24230), (35, 24245), (38, 24269), (39, 24290), (40, 24299), (52, 24425), (53, 24470), (55, 24536), (57, 24557), (63, 24635), (68, 24677), (71, 24734), (72, 24755), (75, 24764), (77, 24791), (80, 24827), (83, 24866), (84, 24887), (87, 24926), (103, 25160), (107, 25232), (116, 25400), (123, 25427),

Gene: PherrisBueller_32 Start: 23965, Stop: 25818, Start Num: 6

Candidate Starts for PherrisBueller_32:

(Start: 6 @23965 has 192 MA's), (8, 24046), (15, 24112), (24, 24181), (27, 24229), (29, 24256), (31, 24292), (36, 24334), (39, 24370), (46, 24442), (65, 24748), (73, 24850), (80, 24922), (85, 25009), (98, 25165), (109, 25351), (111, 25396), (115, 25438), (117, 25480), (129, 25702), (134, 25759),

Gene: Phoebus_38 Start: 30512, Stop: 32440, Start Num: 2

Candidate Starts for Phoebus_38:

(Start: 2 @30512 has 24 MA's), (17, 30707), (31, 30875), (38, 30932), (41, 30971), (45, 31001), (48, 31067), (60, 31265), (65, 31331), (69, 31376), (76, 31436), (86, 31595), (101, 31802), (113, 32045), (115, 32066), (121, 32126), (126, 32180), (127, 32246), (128, 32285), (134, 32384),

Gene: PhrostyMug_31 Start: 24159, Stop: 26012, Start Num: 6

Candidate Starts for PhrostyMug_31:

(Start: 6 @24159 has 192 MA's), (8, 24240), (15, 24306), (24, 24375), (27, 24423), (29, 24450), (36, 24528), (39, 24564), (46, 24636), (65, 24942), (80, 25116), (85, 25203), (98, 25359), (111, 25590), (115, 25632), (117, 25674), (129, 25896), (132, 25917), (134, 25953),

Gene: PinkPlastic_30 Start: 23899, Stop: 25752, Start Num: 6

Candidate Starts for PinkPlastic_30:

(Start: 6 @23899 has 192 MA's), (8, 23980), (15, 24046), (24, 24115), (27, 24163), (29, 24190), (36, 24268), (39, 24304), (46, 24376), (65, 24682), (80, 24856), (85, 24943), (98, 25099), (111, 25330), (115, 25372), (117, 25414), (129, 25636), (132, 25657), (134, 25693),

Gene: Pinto_34 Start: 24712, Stop: 26565, Start Num: 6

Candidate Starts for Pinto_34:

(Start: 6 @24712 has 192 MA's), (8, 24793), (15, 24859), (24, 24928), (27, 24976), (29, 25003), (36, 25081), (39, 25117), (46, 25189), (65, 25495), (80, 25669), (85, 25756), (98, 25912), (109, 26098), (111, 26143), (115, 26185), (117, 26227), (129, 26449), (133, 26494), (134, 26506),

Gene: Pippin_33 Start: 24463, Stop: 26316, Start Num: 6

Candidate Starts for Pippin_33:

(Start: 6 @24463 has 192 MA's), (8, 24544), (15, 24610), (24, 24679), (27, 24727), (29, 24754), (36, 24832), (39, 24868), (46, 24940), (65, 25246), (73, 25348), (74, 25357), (80, 25420), (85, 25507), (98, 25663), (111, 25894), (117, 25978), (129, 26200), (134, 26257),

Gene: Pita2_33 Start: 24641, Stop: 26494, Start Num: 6

Candidate Starts for Pita2_33:

(Start: 6 @24641 has 192 MA's), (8, 24722), (15, 24788), (24, 24857), (27, 24905), (36, 25010), (39, 25046), (46, 25118), (65, 25424), (73, 25526), (80, 25598), (85, 25685), (98, 25841), (111, 26072), (115, 26114), (117, 26156), (129, 26378), (134, 26435),

Gene: Pound_40 Start: 31501, Stop: 33429, Start Num: 2

Candidate Starts for Pound_40:

(Start: 2 @31501 has 24 MA's), (23, 31747), (34, 31885), (38, 31921), (42, 31969), (53, 32125), (58, 32215), (60, 32254), (65, 32320), (66, 32332), (67, 32335), (69, 32365), (76, 32425), (85, 32572), (88, 32593), (94, 32710), (100, 32770), (101, 32791), (105, 32869), (112, 33007), (115, 33055), (121, 33115), (126, 33169), (127, 33235), (129, 33316),

Gene: QTRlifeCrisis_34 Start: 24719, Stop: 26572, Start Num: 6

Candidate Starts for QTRlifeCrisis_34:

(Start: 6 @24719 has 192 MA's), (8, 24800), (15, 24866), (24, 24935), (27, 24983), (29, 25010), (36, 25088), (39, 25124), (46, 25196), (65, 25502), (80, 25676), (85, 25763), (98, 25919), (109, 26105), (111, 26150), (115, 26192), (117, 26234), (129, 26456), (134, 26513),

Gene: Redno2_37 Start: 29975, Stop: 31903, Start Num: 2

Candidate Starts for Redno2_37:

(Start: 2 @29975 has 24 MA's), (17, 30170), (31, 30338), (38, 30395), (41, 30434), (45, 30464), (48, 30530), (60, 30728), (65, 30794), (69, 30839), (76, 30899), (86, 31058), (101, 31265), (113, 31508), (115, 31529), (121, 31589), (126, 31643), (127, 31709), (128, 31748), (134, 31847),

Gene: Refuge_35 Start: 26208, Stop: 28022, Start Num: 2

Candidate Starts for Refuge_35:

(Start: 2 @26208 has 24 MA's), (10, 26340), (11, 26349), (12, 26355), (32, 26577), (35, 26601), (37, 26622), (39, 26646), (46, 26718), (49, 26766), (52, 26784), (53, 26829), (55, 26895), (57, 26916), (61, 26964), (62, 26985), (63, 26994), (67, 27033), (68, 27036), (71, 27093), (72, 27114), (77, 27150), (80, 27186), (81, 27204), (82, 27210), (83, 27225), (90, 27348), (93, 27396), (106, 27567), (110, 27642),

Gene: Rhynn_31 Start: 24168, Stop: 26021, Start Num: 6

Candidate Starts for Rhynn_31:

(Start: 6 @24168 has 192 MA's), (8, 24249), (15, 24315), (24, 24384), (27, 24432), (29, 24459), (36, 24537), (39, 24573), (46, 24645), (65, 24951), (80, 25125), (85, 25212), (98, 25368), (111, 25599), (115, 25641), (117, 25683), (129, 25905), (132, 25926), (134, 25962),

Gene: RidgeCB_31 Start: 23896, Stop: 25749, Start Num: 6

Candidate Starts for RidgeCB_31:

(Start: 6 @23896 has 192 MA's), (8, 23977), (15, 24043), (24, 24112), (27, 24160), (29, 24187), (31, 24223), (36, 24265), (39, 24301), (46, 24373), (65, 24679), (80, 24853), (85, 24940), (98, 25096), (109, 25282), (111, 25327), (115, 25369), (117, 25411), (129, 25633), (134, 25690),

Gene: Ringer_31 Start: 24820, Stop: 26673, Start Num: 6

Candidate Starts for Ringer_31:

(Start: 6 @24820 has 192 MA's), (8, 24901), (15, 24967), (24, 25036), (27, 25084), (29, 25111), (36, 25189), (39, 25225), (44, 25264), (50, 25348), (65, 25603), (80, 25777), (85, 25864), (98, 26020), (109, 26206), (111, 26251), (115, 26293), (117, 26335), (129, 26557), (133, 26602), (134, 26614),

Gene: Rohr_32 Start: 24318, Stop: 26171, Start Num: 6

Candidate Starts for Rohr_32:

(Start: 6 @24318 has 192 MA's), (8, 24399), (15, 24465), (24, 24534), (27, 24582), (29, 24609), (36, 24687), (39, 24723), (46, 24795), (65, 25101), (80, 25275), (85, 25362), (98, 25518), (111, 25749), (115, 25791), (117, 25833), (129, 26055), (132, 26076), (134, 26112),

Gene: Rubeus_32 Start: 24203, Stop: 26056, Start Num: 6

Candidate Starts for Rubeus_32:

(Start: 6 @24203 has 192 MA's), (8, 24284), (15, 24350), (24, 24419), (27, 24467), (29, 24494), (36, 24572), (44, 24647), (46, 24680), (50, 24731), (65, 24986), (80, 25160), (85, 25247), (98, 25403), (109, 25589), (111, 25634), (115, 25676), (117, 25718), (129, 25940), (132, 25961), (134, 25997),

Gene: Rufus_32 Start: 24505, Stop: 26358, Start Num: 6

Candidate Starts for Rufus_32:

(Start: 6 @24505 has 192 MA's), (7, 24523), (8, 24586), (15, 24652), (24, 24721), (27, 24769), (29, 24796), (36, 24874), (39, 24910), (46, 24982), (65, 25288), (80, 25462), (85, 25549), (98, 25705), (111, 25936), (115, 25978), (117, 26020), (129, 26242), (134, 26299),

Gene: Ruotula_30 Start: 24709, Stop: 26562, Start Num: 6

Candidate Starts for Ruotula_30:

(Start: 6 @24709 has 192 MA's), (8, 24790), (15, 24856), (24, 24925), (27, 24973), (29, 25000), (36, 25078), (39, 25114), (46, 25186), (65, 25492), (80, 25666), (85, 25753), (98, 25909), (109, 26095),

(111, 26140), (115, 26182), (117, 26224), (129, 26446), (134, 26503),

Gene: Rutherferd_33 Start: 24774, Stop: 26627, Start Num: 6

Candidate Starts for Rutherferd_33:

(Start: 6 @24774 has 192 MA's), (8, 24855), (15, 24921), (24, 24990), (27, 25038), (29, 25065), (31, 25101), (36, 25143), (39, 25179), (46, 25251), (65, 25557), (80, 25731), (85, 25818), (98, 25974), (109, 26160), (111, 26205), (115, 26247), (117, 26289), (129, 26511), (134, 26568),

Gene: STLscum_32 Start: 24912, Stop: 26765, Start Num: 6

Candidate Starts for STLscum_32:

(Start: 6 @24912 has 192 MA's), (8, 24993), (15, 25059), (24, 25128), (27, 25176), (29, 25203), (36, 25281), (39, 25317), (46, 25389), (65, 25695), (74, 25806), (80, 25869), (85, 25956), (98, 26112), (101, 26172), (109, 26298), (111, 26343), (115, 26385), (117, 26427), (129, 26649), (134, 26706),

Gene: Sagefire_32 Start: 24945, Stop: 26798, Start Num: 6

Candidate Starts for Sagefire_32:

(Start: 6 @24945 has 192 MA's), (8, 25026), (15, 25092), (24, 25161), (27, 25209), (29, 25236), (36, 25314), (39, 25350), (44, 25389), (46, 25422), (50, 25473), (65, 25728), (80, 25902), (85, 25989), (98, 26145), (111, 26376), (115, 26418), (117, 26460), (129, 26682), (134, 26739),

Gene: Sandaddy_30 Start: 24058, Stop: 25911, Start Num: 6

Candidate Starts for Sandaddy_30:

(Start: 6 @24058 has 192 MA's), (8, 24139), (15, 24205), (24, 24274), (27, 24322), (29, 24349), (36, 24427), (46, 24535), (65, 24841), (80, 25015), (85, 25102), (98, 25258), (109, 25444), (111, 25489), (115, 25531), (117, 25573), (129, 25795), (132, 25816), (134, 25852),

Gene: SarFire_31 Start: 24220, Stop: 26073, Start Num: 6

Candidate Starts for SarFire_31:

(Start: 6 @24220 has 192 MA's), (8, 24301), (15, 24367), (24, 24436), (25, 24439), (27, 24484), (29, 24511), (31, 24547), (36, 24589), (39, 24625), (46, 24697), (65, 25003), (80, 25177), (85, 25264), (98, 25420), (109, 25606), (111, 25651), (115, 25693), (117, 25735), (129, 25957), (134, 26014),

Gene: Schatzie_36 Start: 29251, Stop: 31179, Start Num: 2

Candidate Starts for Schatzie_36:

(Start: 2 @29251 has 24 MA's), (23, 29497), (34, 29635), (38, 29671), (42, 29719), (53, 29875), (58, 29965), (60, 30004), (65, 30070), (66, 30082), (67, 30085), (69, 30115), (76, 30175), (85, 30322), (88, 30343), (94, 30460), (100, 30520), (101, 30541), (105, 30619), (112, 30757), (115, 30805), (121, 30865), (126, 30919), (127, 30985), (129, 31066),

Gene: Seabiscuit_33 Start: 24126, Stop: 25979, Start Num: 6

Candidate Starts for Seabiscuit_33:

(Start: 6 @24126 has 192 MA's), (8, 24207), (15, 24273), (24, 24342), (27, 24390), (29, 24417), (31, 24453), (36, 24495), (39, 24531), (46, 24603), (65, 24909), (73, 25011), (80, 25083), (85, 25170), (98, 25326), (111, 25557), (115, 25599), (117, 25641), (129, 25863), (132, 25884), (134, 25920),

Gene: Seanderson_32 Start: 24600, Stop: 26453, Start Num: 6

Candidate Starts for Seanderson_32:

(Start: 6 @24600 has 192 MA's), (8, 24681), (10, 24705), (15, 24747), (24, 24816), (27, 24864), (29, 24891), (36, 24969), (39, 25005), (46, 25077), (65, 25383), (80, 25557), (85, 25644), (98, 25800), (111, 26031), (115, 26073), (117, 26115), (129, 26337), (134, 26394),

Gene: ShortQueendom_30 Start: 24040, Stop: 25893, Start Num: 6

Candidate Starts for ShortQueendom_30:

(Start: 6 @24040 has 192 MA's), (8, 24121), (15, 24187), (24, 24256), (27, 24304), (29, 24331), (36, 24409), (39, 24445), (46, 24517), (65, 24823), (80, 24997), (85, 25084), (91, 25183), (98, 25240), (101, 25300), (111, 25471), (115, 25513), (117, 25555), (129, 25777), (134, 25834),

Gene: Sibs6_33 Start: 24685, Stop: 26538, Start Num: 6

Candidate Starts for Sibs6_33:

(Start: 6 @24685 has 192 MA's), (8, 24766), (15, 24832), (24, 24901), (27, 24949), (29, 24976), (36, 25054), (39, 25090), (46, 25162), (65, 25468), (80, 25642), (85, 25729), (98, 25885), (109, 26071), (111, 26116), (115, 26158), (117, 26200), (129, 26422), (132, 26443), (134, 26479),

Gene: SkiPole_33 Start: 24424, Stop: 26277, Start Num: 6

Candidate Starts for SkiPole_33:

(Start: 6 @24424 has 192 MA's), (8, 24505), (15, 24571), (24, 24640), (25, 24643), (27, 24688), (29, 24715), (31, 24751), (36, 24793), (39, 24829), (44, 24868), (46, 24901), (50, 24952), (65, 25207), (80, 25381), (85, 25468), (98, 25624), (109, 25810), (111, 25855), (115, 25897), (117, 25939), (129, 26161), (132, 26182), (134, 26218),

Gene: Slagathor_32 Start: 24085, Stop: 25938, Start Num: 6

Candidate Starts for Slagathor_32:

(Start: 6 @24085 has 192 MA's), (8, 24166), (15, 24232), (24, 24301), (27, 24349), (29, 24376), (36, 24454), (39, 24490), (46, 24562), (65, 24868), (80, 25042), (85, 25129), (98, 25285), (109, 25471), (111, 25516), (115, 25558), (117, 25600), (125, 25660), (129, 25822), (132, 25843), (134, 25879),

Gene: Smairt_32 Start: 24813, Stop: 26666, Start Num: 6

Candidate Starts for Smairt_32:

(Start: 6 @24813 has 192 MA's), (8, 24894), (15, 24960), (24, 25029), (25, 25032), (27, 25077), (29, 25104), (31, 25140), (36, 25182), (39, 25218), (46, 25290), (65, 25596), (80, 25770), (85, 25857), (98, 26013), (109, 26199), (111, 26244), (115, 26286), (117, 26328), (129, 26550), (134, 26607),

Gene: Smeagol_33 Start: 25439, Stop: 27289, Start Num: 6

Candidate Starts for Smeagol_33:

(Start: 6 @25439 has 192 MA's), (8, 25520), (15, 25586), (27, 25703), (29, 25730), (38, 25823), (46, 25916), (47, 25934), (51, 25970), (54, 26027), (65, 26222), (74, 26333), (96, 26627), (98, 26639), (115, 26912), (134, 27233),

Gene: Snazzy_30 Start: 23999, Stop: 25852, Start Num: 6

Candidate Starts for Snazzy_30:

(Start: 6 @23999 has 192 MA's), (8, 24080), (15, 24146), (24, 24215), (27, 24263), (29, 24290), (36, 24368), (39, 24404), (44, 24443), (46, 24476), (50, 24527), (65, 24782), (80, 24956), (85, 25043), (98, 25199), (111, 25430), (115, 25472), (117, 25514), (129, 25736), (134, 25793),

Gene: Solon_31 Start: 24711, Stop: 26564, Start Num: 6

Candidate Starts for Solon_31:

(Start: 6 @24711 has 192 MA's), (8, 24792), (15, 24858), (24, 24927), (27, 24975), (29, 25002), (36, 25080), (39, 25116), (46, 25188), (65, 25494), (80, 25668), (85, 25755), (98, 25911), (101, 25971), (109, 26097), (111, 26142), (115, 26184), (117, 26226), (129, 26448), (132, 26469), (134, 26505),

Gene: Sorpresa_30 Start: 24058, Stop: 25911, Start Num: 6

Candidate Starts for Sorpresa_30:

(Start: 6 @24058 has 192 MA's), (8, 24139), (15, 24205), (24, 24274), (27, 24322), (29, 24349), (36, 24427), (46, 24535), (65, 24841), (80, 25015), (85, 25102), (98, 25258), (109, 25444), (111, 25489), (115, 25531), (117, 25573), (129, 25795), (132, 25816), (134, 25852),

Gene: SpikeBT_33 Start: 25016, Stop: 26869, Start Num: 6

Candidate Starts for SpikeBT_33:

(Start: 6 @25016 has 192 MA's), (8, 25097), (15, 25163), (24, 25232), (27, 25280), (29, 25307), (36, 25385), (39, 25421), (46, 25493), (65, 25799), (73, 25901), (80, 25973), (85, 26060), (98, 26216), (111, 26447), (115, 26489), (117, 26531), (129, 26753), (132, 26774), (134, 26810),

Gene: Squee_32 Start: 24965, Stop: 26818, Start Num: 6

Candidate Starts for Squee_32:

(Start: 6 @24965 has 192 MA's), (8, 25046), (15, 25112), (24, 25181), (27, 25229), (29, 25256), (36, 25334), (65, 25748), (80, 25922), (85, 26009), (98, 26165), (111, 26396), (115, 26438), (117, 26480), (129, 26702), (134, 26759),

Gene: Steamy_33 Start: 24406, Stop: 26205, Start Num: 5

Candidate Starts for Steamy_33:

(1, 24217), (Start: 5 @24406 has 1 MA's), (15, 24559), (18, 24583), (19, 24589), (26, 24652), (27, 24676), (28, 24697), (34, 24763), (35, 24778), (40, 24832), (52, 24958), (53, 25003), (55, 25069), (57, 25090), (61, 25138), (62, 25159), (63, 25168), (67, 25207), (71, 25267), (72, 25288), (79, 25348), (80, 25360), (83, 25399), (84, 25420), (89, 25510), (93, 25570), (99, 25600), (103, 25693), (104, 25699), (108, 25774), (118, 25942), (122, 25960), (131, 26179),

Gene: StewieG_30 Start: 23901, Stop: 25754, Start Num: 6

Candidate Starts for StewieG_30:

(Start: 6 @23901 has 192 MA's), (8, 23982), (15, 24048), (24, 24117), (27, 24165), (36, 24270), (39, 24306), (46, 24378), (65, 24684), (73, 24786), (80, 24858), (85, 24945), (98, 25101), (111, 25332), (115, 25374), (117, 25416), (118, 25419), (129, 25638), (132, 25659), (134, 25695),

Gene: StrongArm_30 Start: 25100, Stop: 26953, Start Num: 6

Candidate Starts for StrongArm_30:

(Start: 6 @25100 has 192 MA's), (8, 25181), (15, 25247), (24, 25316), (27, 25364), (29, 25391), (36, 25469), (39, 25505), (46, 25577), (65, 25883), (80, 26057), (85, 26144), (98, 26300), (111, 26531), (115, 26573), (117, 26615), (129, 26837), (134, 26894),

Gene: Sumter_30 Start: 23649, Stop: 25502, Start Num: 6

Candidate Starts for Sumter_30:

(Start: 6 @23649 has 192 MA's), (8, 23730), (15, 23796), (24, 23865), (27, 23913), (29, 23940), (36, 24018), (46, 24126), (65, 24432), (80, 24606), (85, 24693), (98, 24849), (109, 25035), (111, 25080), (115, 25122), (117, 25164), (129, 25386), (134, 25443),

Gene: Sunshine924_32 Start: 23930, Stop: 25783, Start Num: 6

Candidate Starts for Sunshine924_32:

(Start: 6 @23930 has 192 MA's), (7, 23948), (8, 24011), (15, 24077), (24, 24146), (25, 24149), (27, 24194), (29, 24221), (31, 24257), (36, 24299), (39, 24335), (46, 24407), (65, 24713), (80, 24887), (85, 24974), (98, 25130), (109, 25316), (111, 25361), (115, 25403), (117, 25445), (129, 25667), (132, 25688), (134, 25724),

Gene: SwissCheese_33 Start: 24828, Stop: 26681, Start Num: 6

Candidate Starts for SwissCheese_33:

(Start: 6 @24828 has 192 MA's), (8, 24909), (15, 24975), (24, 25044), (25, 25047), (27, 25092), (29, 25119), (31, 25155), (36, 25197), (39, 25233), (46, 25305), (65, 25611), (80, 25785), (85, 25872), (91, 25971), (98, 26028), (111, 26259), (115, 26301), (117, 26343), (129, 26565), (132, 26586), (134, 26622),

Gene: Switzer_32 Start: 24232, Stop: 26085, Start Num: 6

Candidate Starts for Switzer_32:

(Start: 6 @24232 has 192 MA's), (8, 24313), (15, 24379), (24, 24448), (27, 24496), (29, 24523), (36, 24601), (39, 24637), (46, 24709), (65, 25015), (80, 25189), (85, 25276), (98, 25432), (111, 25663), (115, 25705), (117, 25747), (129, 25969), (134, 26026),

Gene: Swole_33 Start: 24641, Stop: 26494, Start Num: 6

Candidate Starts for Swole_33:

(Start: 6 @24641 has 192 MA's), (8, 24722), (15, 24788), (24, 24857), (27, 24905), (29, 24932), (36, 25010), (39, 25046), (46, 25118), (65, 25424), (73, 25526), (80, 25598), (85, 25685), (98, 25841), (111, 26072), (115, 26114), (117, 26156), (129, 26378), (134, 26435),

Gene: Target_34 Start: 25615, Stop: 27468, Start Num: 6

Candidate Starts for Target_34:

(Start: 6 @25615 has 192 MA's), (8, 25696), (15, 25762), (24, 25831), (27, 25879), (29, 25906), (36, 25984), (39, 26020), (46, 26092), (65, 26398), (80, 26572), (85, 26659), (92, 26761), (98, 26815), (111, 27046), (115, 27088), (117, 27130), (129, 27352), (134, 27409),

Gene: Tasp14_32 Start: 24345, Stop: 26186, Start Num: 6

Candidate Starts for Tasp14_32:

(Start: 6 @24345 has 192 MA's), (8, 24426), (15, 24492), (24, 24561), (27, 24609), (29, 24636), (36, 24714), (44, 24789), (46, 24822), (50, 24873), (65, 25128), (80, 25302), (85, 25389), (98, 25545), (109, 25731), (111, 25776), (115, 25818), (117, 25860), (129, 26082), (130, 26091), (134, 26127),

Gene: Teodoridan_29 Start: 23466, Stop: 25316, Start Num: 6

Candidate Starts for Teodoridan_29:

(Start: 6 @23466 has 192 MA's), (8, 23547), (15, 23613), (24, 23682), (27, 23730), (29, 23757), (36, 23835), (39, 23871), (46, 23943), (65, 24249), (80, 24423), (85, 24510), (92, 24612), (98, 24666), (111, 24897), (115, 24939), (117, 24981), (129, 25203), (132, 25224), (134, 25260),

Gene: TheloniousMonk_33 Start: 25759, Stop: 27612, Start Num: 6

Candidate Starts for TheloniousMonk_33:

(Start: 6 @25759 has 192 MA's), (8, 25840), (15, 25906), (24, 25975), (27, 26023), (29, 26050), (36, 26128), (39, 26164), (46, 26236), (65, 26542), (80, 26716), (85, 26803), (98, 26959), (109, 27145), (111, 27190), (115, 27232), (117, 27274), (129, 27496), (134, 27553),

Gene: Thibault_35 Start: 30372, Stop: 32300, Start Num: 2

Candidate Starts for Thibault_35:

(Start: 2 @30372 has 24 MA's), (17, 30567), (31, 30735), (38, 30792), (44, 30852), (45, 30861), (59, 31089), (60, 31125), (65, 31191), (74, 31293), (76, 31296), (94, 31581), (101, 31662), (112, 31878), (113, 31905), (115, 31926), (121, 31986), (126, 32040), (127, 32106),

Gene: Thor_31 Start: 24220, Stop: 26073, Start Num: 6

Candidate Starts for Thor_31:

(Start: 6 @24220 has 192 MA's), (8, 24301), (15, 24367), (24, 24436), (25, 24439), (27, 24484), (29, 24511), (31, 24547), (36, 24589), (39, 24625), (46, 24697), (65, 25003), (80, 25177), (85, 25264), (98, 25420), (109, 25606), (111, 25651), (115, 25693), (117, 25735), (129, 25957), (134, 26014),

Gene: ThreeRngTarjay_37 Start: 30362, Stop: 32290, Start Num: 2

Candidate Starts for ThreeRngTarjay_37:

(Start: 2 @30362 has 24 MA's), (17, 30557), (31, 30725), (38, 30782), (41, 30821), (45, 30851), (48, 30917), (60, 31115), (65, 31181), (69, 31226), (76, 31286), (86, 31445), (101, 31652), (113, 31895), (115, 31916), (121, 31976), (126, 32030), (127, 32096), (128, 32135), (134, 32234),

Gene: Topgun_31 Start: 23973, Stop: 25826, Start Num: 6

Candidate Starts for Topgun_31:

(Start: 6 @23973 has 192 MA's), (8, 24054), (15, 24120), (24, 24189), (25, 24192), (27, 24237), (29, 24264), (31, 24300), (36, 24342), (39, 24378), (46, 24450), (65, 24756), (78, 24900), (80, 24930), (85, 25017), (98, 25173), (111, 25404), (115, 25446), (117, 25488), (129, 25710), (134, 25767),

Gene: Tote_33 Start: 24641, Stop: 26494, Start Num: 6

Candidate Starts for Tote_33:

(Start: 6 @24641 has 192 MA's), (8, 24722), (15, 24788), (24, 24857), (27, 24905), (29, 24932), (36, 25010), (39, 25046), (46, 25118), (65, 25424), (73, 25526), (80, 25598), (85, 25685), (98, 25841), (111, 26072), (115, 26114), (117, 26156), (129, 26378), (134, 26435),

Gene: Traft412_33 Start: 25016, Stop: 26869, Start Num: 6

Candidate Starts for Traft412_33:

(Start: 6 @25016 has 192 MA's), (8, 25097), (15, 25163), (24, 25232), (27, 25280), (29, 25307), (36, 25385), (39, 25421), (44, 25460), (46, 25493), (65, 25799), (73, 25901), (80, 25973), (85, 26060), (98, 26216), (101, 26276), (109, 26402), (111, 26447), (115, 26489), (117, 26531), (129, 26753), (134, 26810),

Gene: Treddle_33 Start: 25306, Stop: 27159, Start Num: 6

Candidate Starts for Treddle_33:

(Start: 6 @25306 has 192 MA's), (8, 25387), (15, 25453), (24, 25522), (27, 25570), (29, 25597), (31, 25633), (36, 25675), (39, 25711), (46, 25783), (65, 26089), (80, 26263), (85, 26350), (98, 26506), (109, 26692), (111, 26737), (115, 26779), (117, 26821), (129, 27043), (134, 27100),

Gene: Tripl3t_32 Start: 24972, Stop: 26825, Start Num: 6

Candidate Starts for Tripl3t_32:

(Start: 6 @24972 has 192 MA's), (8, 25053), (15, 25119), (24, 25188), (27, 25236), (29, 25263), (31, 25299), (36, 25341), (39, 25377), (46, 25449), (65, 25755), (80, 25929), (85, 26016), (98, 26172), (109, 26358), (111, 26403), (115, 26445), (117, 26487), (129, 26709), (134, 26766),

Gene: Trouble_32 Start: 24919, Stop: 26772, Start Num: 6

Candidate Starts for Trouble_32:

(Start: 6 @24919 has 192 MA's), (8, 25000), (15, 25066), (24, 25135), (27, 25183), (29, 25210), (31, 25246), (36, 25288), (39, 25324), (46, 25396), (65, 25702), (80, 25876), (85, 25963), (98, 26119), (111, 26350), (115, 26392), (117, 26434), (129, 26656), (134, 26713),

Gene: Turj99_30 Start: 23859, Stop: 25712, Start Num: 6

Candidate Starts for Turj99_30:

(Start: 6 @23859 has 192 MA's), (8, 23940), (15, 24006), (24, 24075), (27, 24123), (29, 24150), (36, 24228), (39, 24264), (46, 24336), (65, 24642), (74, 24753), (80, 24816), (85, 24903), (98, 25059), (109, 25245), (111, 25290), (115, 25332), (117, 25374), (129, 25596), (134, 25653),

Gene: TwoPeat_31 Start: 24440, Stop: 26293, Start Num: 6

Candidate Starts for TwoPeat_31:

(Start: 6 @24440 has 192 MA's), (8, 24521), (15, 24587), (24, 24656), (27, 24704), (29, 24731), (36, 24809), (39, 24845), (44, 24884), (46, 24917), (50, 24968), (65, 25223), (80, 25397), (85, 25484), (98, 25640), (109, 25826), (111, 25871), (115, 25913), (117, 25955), (129, 26177), (132, 26198), (134, 26234),

Gene: U2_31 Start: 24238, Stop: 26091, Start Num: 6

Candidate Starts for U2_31:

(Start: 6 @24238 has 192 MA's), (7, 24256), (8, 24319), (15, 24385), (24, 24454), (27, 24502), (29, 24529), (36, 24607), (39, 24643), (46, 24715), (65, 25021), (80, 25195), (85, 25282), (98, 25438), (109, 25624), (111, 25669), (115, 25711), (117, 25753), (129, 25975), (134, 26032),

Gene: Violet_30 Start: 24645, Stop: 26498, Start Num: 6

Candidate Starts for Violet_30:

(Start: 6 @24645 has 192 MA's), (8, 24726), (15, 24792), (24, 24861), (27, 24909), (29, 24936), (36, 25014), (39, 25050), (44, 25089), (46, 25122), (50, 25173), (65, 25428), (80, 25602), (85, 25689), (98, 25845), (111, 26076), (115, 26118), (117, 26160), (125, 26220), (129, 26382), (132, 26403), (134, 26439),

Gene: Watermelon_33 Start: 24981, Stop: 26834, Start Num: 6

Candidate Starts for Watermelon_33:

(Start: 6 @24981 has 192 MA's), (8, 25062), (15, 25128), (24, 25197), (27, 25245), (29, 25272), (36, 25350), (39, 25386), (46, 25458), (65, 25764), (80, 25938), (85, 26025), (98, 26181), (109, 26367), (111, 26412), (115, 26454), (117, 26496), (129, 26718), (134, 26775),

Gene: Wheeler_31 Start: 24413, Stop: 26266, Start Num: 6

Candidate Starts for Wheeler_31:

(Start: 6 @24413 has 192 MA's), (8, 24494), (15, 24560), (24, 24629), (27, 24677), (29, 24704), (36, 24782), (39, 24818), (46, 24890), (65, 25196), (80, 25370), (85, 25457), (98, 25613), (109, 25799), (111, 25844), (115, 25886), (117, 25928), (129, 26150), (134, 26207),

Gene: Wilkins_31 Start: 23904, Stop: 25757, Start Num: 6

Candidate Starts for Wilkins_31:

(Start: 6 @23904 has 192 MA's), (8, 23985), (15, 24051), (24, 24120), (27, 24168), (29, 24195), (31, 24231), (36, 24273), (39, 24309), (46, 24381), (65, 24687), (80, 24861), (85, 24948), (98, 25104), (109, 25290), (111, 25335), (115, 25377), (117, 25419), (129, 25641), (134, 25698),

Gene: Yeet_37 Start: 29496, Stop: 31424, Start Num: 2

Candidate Starts for Yeet_37:

(Start: 2 @29496 has 24 MA's), (23, 29742), (34, 29880), (38, 29916), (42, 29964), (53, 30120), (58, 30210), (60, 30249), (65, 30315), (66, 30327), (67, 30330), (69, 30360), (76, 30420), (85, 30567), (88, 30588), (94, 30705), (100, 30765), (101, 30786), (105, 30864), (112, 31002), (115, 31050), (121, 31110), (126, 31164), (127, 31230), (129, 31311),

Gene: Zeeculate_31 Start: 24852, Stop: 26705, Start Num: 6

Candidate Starts for Zeeculate_31:

(Start: 6 @24852 has 192 MA's), (7, 24870), (8, 24933), (15, 24999), (24, 25068), (27, 25116), (29, 25143), (36, 25221), (46, 25329), (65, 25635), (80, 25809), (85, 25896), (98, 26052), (111, 26283), (115, 26325), (117, 26367), (129, 26589), (134, 26646),

Gene: Zelink_40 Start: 31306, Stop: 33234, Start Num: 2

Candidate Starts for Zelink_40:

(Start: 2 @31306 has 24 MA's), (17, 31501), (31, 31669), (38, 31726), (41, 31765), (45, 31795), (48, 31861), (60, 32059), (65, 32125), (69, 32170), (76, 32230), (86, 32389), (101, 32596), (113, 32839), (115, 32860), (121, 32920), (126, 32974), (127, 33040), (128, 33079), (134, 33178),

Gene: Zephyr_31 Start: 24214, Stop: 26067, Start Num: 6

Candidate Starts for Zephyr_31:

(Start: 6 @24214 has 192 MA's), (8, 24295), (15, 24361), (24, 24430), (27, 24478), (29, 24505), (36, 24583), (46, 24691), (65, 24997), (80, 25171), (85, 25258), (98, 25414), (109, 25600), (111, 25645), (115, 25687), (117, 25729), (129, 25951), (134, 26008),

Gene: Zeuska_32 Start: 24648, Stop: 26501, Start Num: 6

Candidate Starts for Zeuska_32:

(Start: 6 @24648 has 192 MA's), (8, 24729), (15, 24795), (24, 24864), (27, 24912), (36, 25017), (39, 25053), (46, 25125), (65, 25431), (73, 25533), (80, 25605), (85, 25692), (98, 25848), (111, 26079), (115, 26121), (117, 26163), (129, 26385), (132, 26406), (134, 26442),

Gene: Zimmer_33 Start: 24990, Stop: 26801, Start Num: 2

Candidate Starts for Zimmer_33:

(Start: 2 @24990 has 24 MA's), (10, 25122), (11, 25131), (13, 25158), (30, 25338), (35, 25383), (43, 25458), (46, 25500), (52, 25566), (53, 25611), (55, 25677), (56, 25692), (57, 25698), (62, 25767), (63, 25776), (67, 25815), (68, 25818), (70, 25866), (71, 25875), (72, 25896), (77, 25932), (80, 25968), (81, 25986), (83, 26007), (93, 26178), (95, 26187), (97, 26196), (119, 26544), (120, 26550), (124, 26574),