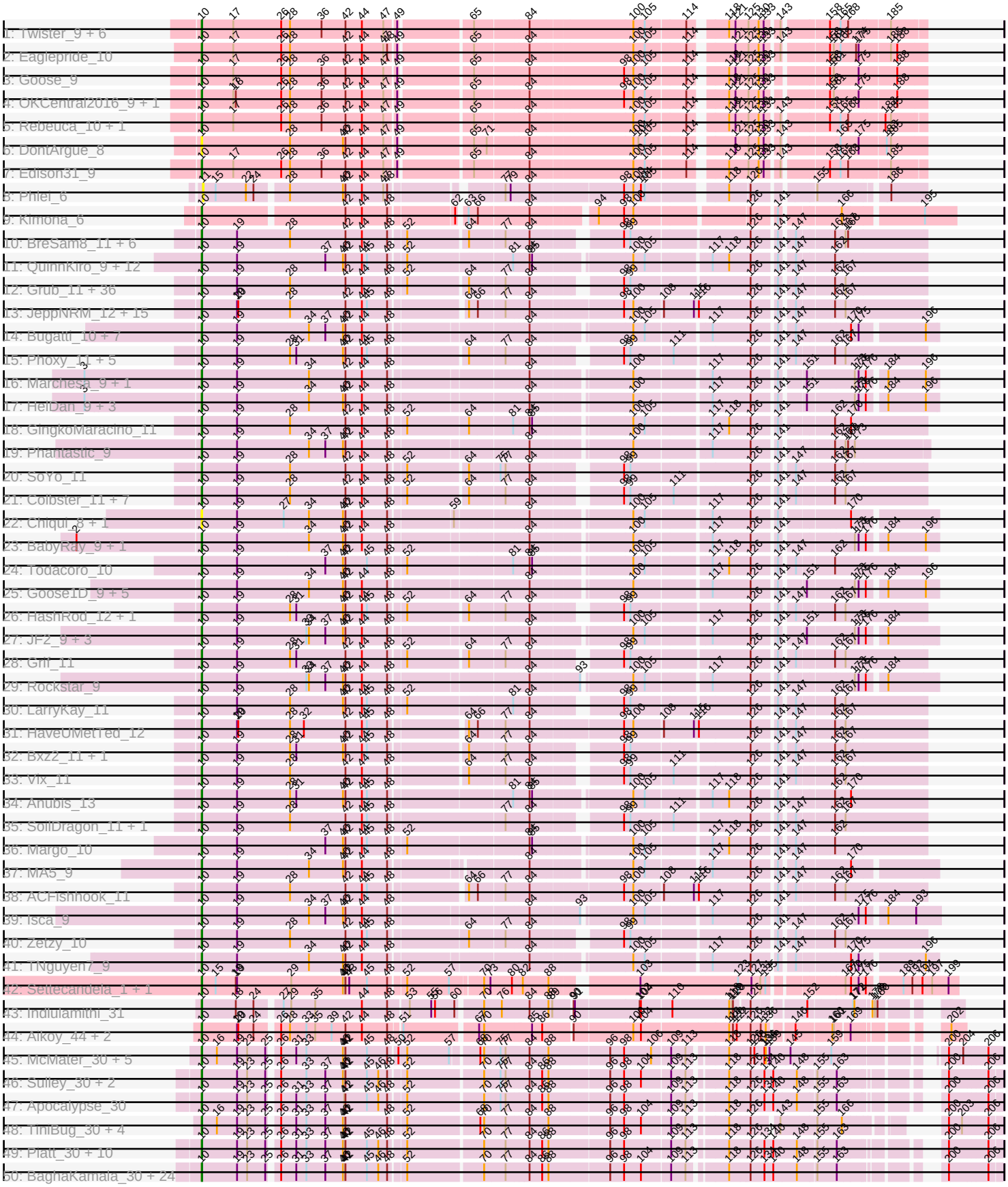
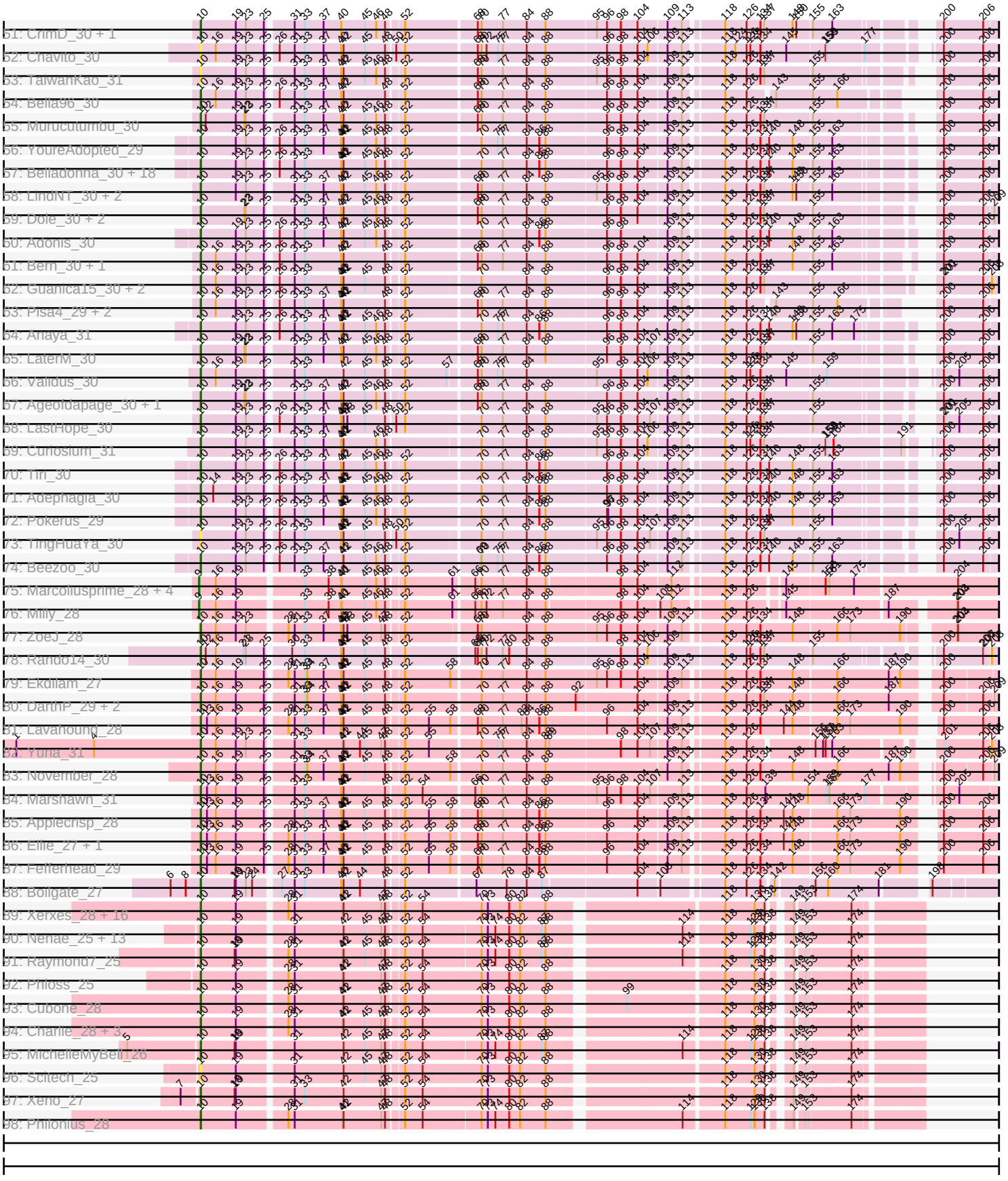
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1: Twister_9 + 6
2: Eaglepride_10
3: Goose_9
4: OKCentral2016_9 + 1
5: Rebeuca_10 + 1
6: DontArgue_8
7: Edison31_9
8: Phiel_6
9: Kimona_6
10: BreSam8_11 + 6
11: QuinnKiro_9 + 12
12: Grub_11 + 36
13: JeppNRM_12 + 15
14: Bugatti_10 + 7
15: Phoxy_11 + 5
16: Marchesa_9 + 1
17: HelDan_9 + 3
18: GingkoMaracino_11
19: Phantastic_9
20: SoYo_11
21: Colbster_11 + 7
22: Chiqui_8 + 1
23: BabyRay_9 + 1
24: Todacoro_10
25: GooseID_9 + 5
26: HashRod_12 + 1
27: JF2_9 + 3
28: Gnf_11
29: Rockstar_9
30: LarryKay_11
31: HaveUMetTed_12
32: Bxz2_11 + 1
33: Vix_11
34: Anubis_13
35: SoilDragon_11 + 1
36: Margo_10
37: MA5_9
38: ACFishhook_11
39: Isca_9
40: Zetzy_10
41: TNguyen7_9
42: Settecandela_1 + 1
43: Indiuiamithi_31
44: Alkoy_44 + 2
45: McMater_30 + 5
46: Sulley_30 + 2
47: Apocalypse_30
48: TiniBug_30 + 4
49: Platt_30 + 10
50: BaghaKamala_30 + 24

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51: ChimD_30 + 1
52: Chavito_30
53: TaiwanKao_31
54: Bella96_30
55: Murucutumbu_30
56: YoureAdopted_29
57: Belladonna_30 + 18
58: LindNT_30 + 2
59: Dole_30 + 2
60: Adonis_30
61: Bern_30 + 1
62: Guanica15_30 + 2
63: Pisa4_29 + 2
64: Anaya_31
65: LaterM_30
66: Validus_30
67: Ageoldapage_30 + 1
68: LastHope_30
69: Curiosium_31
70: Tiri_30
71: Adephagia_30
72: Pokerus_29
73: YingHuaYa_30
74: Beezoo_30
75: Marcoliusprime_28 + 4
76: Milly_28
77: ZoeJ_28
78: Rando14_30
79: Ekollam_27
80: DarthP_29 + 2
81: Lavahound_28
82: Yuna_31
83: November_28
84: Marshawn_31
85: Applecrisp_28
86: Ellie_27 + 1
87: Fellerhead_29
88: Bollgate_27
89: Xerxes_28 + 16
90: Nenae_25 + 13
91: Raymond7_25
92: Phloss_25
93: Cubone_28
94: Charlie_28 + 3
95: MichelleMyBell_26
96: Scitech_25
97: Xeno_27
98: Philonius_28

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 343535 Report

This analysis was run 11/14/26 on database version 672.

Pham number 343535 has 327 members, 27 are drafts.

Phages represented in each track:
• Track 1 : Twister_9, Shapes_12, WalterMcMickey_9, Topanga_9, RhynO_10, Rowdy_12, DustyMartin_12
• Track 2 : Eaglepride_10
• Track 3 : Goose_9
• Track 4 : OKCentral2016_9, Chupacabra_9
• Track 5 : Rebeuca_10, Kristoff_10
• Track 6 : DontArgue_8
• Track 7 : Edison31_9
• Track 8 : Phlei_6
• Track 9 : Kimona_6
• Track 10 : BreSam8_11, Sabia_11, Aglet_11, StepMih_11, Stagni_11, Mainiac_11, Malinsilva_13
• Track 11 : QuinnKiro_9, Popcicle_10, Pocahontas_10, Panamaxus_10, Caviar_10, ResDef_10, Texage_9, Norbert_9, Hookmount_10, Veracruz_9, Noella_10, EtoileNova_10, Lambert1_10
• Track 12 : Grub_11, Fernando_11, Lilith_11, Snickers_11, MarQuardt_11, LugYA_13, Watson_11, Microwolf_11, Lowa_11, AgronaGT15_11, Bigflo_11, Phoebe_11, JHC117_11, Tiffany_11, Montavir_10, Taurus_11, Croquant_12, DaHudson_11, JenCasNa_11, Wooldri_13, Sabinator_11, GtownJaz_11, PGHhamlin_13, Soshari_13, Methuselah_11, MadMarie_11, AugsMagnumOpus_13, Pembroke_11, MuchMore_13, Hercules11_11, Farber_11, Cullens_11, Ollie_11, Marie_11, P28Green_11, MoneyMay_11, Dieselweasel_11
• Track 13 : JeppNRM_12, Reba_12, Marius_12, Pawn_11, Groupthink_12, Gemma_11, Phranny_12, PhishRPhriends_10, ClownCar_11, Kalb97_12, PurpleHaze_11, Calvinny_11, OlanP_11, Heliosoles_11, Manu_12, Kalnoky_12
• Track 14 : Bugatti_10, Giroux_10, Pistachio_10, Idleandcovert_9, Clammy_10, SaturnRing_9, BlueBird_10, Puppy_10
• Track 15 : Phoxy_11, KADY_12, Misomonster_13, TinyPebbles_11, BuzzBuzz_10, Spike509_11
• Track 16 : Marchesa_9, DropBear_9
• Track 17 : HelDan_9, Heathen_9, Kachowdy_9, Zarafa_9
• Track 18 : GingkoMaracino_11
• Track 19 : Phantastic_9
• Track 20 : SoYo_11
• Track 21 : Colbster_11, LBerry_11, Beauxregard13_11, Grum1_11, Penny1_11, EpicPhail_11, Gwennie_11, PotatoSplit_12
• Track 22 : Chiqui_8, BabyJohn_8

• Track 23 : BabyRay_9, Cat_7
• Track 24 : Todacoro_10
• Track 25 : Goose1D_9, Shep_9, Scout_9, Fred313_9, Roimos_9, Goose1X_9
• Track 26 : HashRod_12, Rummer_11
• Track 27 : JF2_9, JF4_9, MK4_9, B1_07
• Track 28 : Grif_11
• Track 29 : Rockstar_9
• Track 30 : LarryKay_11
• Track 31 : HaveUMetTed_12
• Track 32 : Bxz2_11, Louie6_11
• Track 33 : Vix_11
• Track 34 : Anubis_13
• Track 35 : SoilDragon_11, Jobu08_11
• Track 36 : Margo_10
• Track 37 : MA5_9
• Track 38 : ACFishhook_11
• Track 39 : Isca_9
• Track 40 : Zetzy_10
• Track 41 : TNguyen7_9
• Track 42 : Settecandela_1, Phrappuccino_1
• Track 43 : Indlulamithi_31
• Track 44 : Aikoy_44, Onyinye_45, Leopard_44
• Track 45 : McMater_30, Peanam_30, Shaobing_30, Dartin_30, Richo_30, Niklas_30
• Track 46 : Sulley_30, Angelica_30, Deby_30
• Track 47 : Apocalypse_30
• Track 48 : TiniBug_30, DrHayes_30, Anma_30, Urkel_30, SamuelLPlaqson_30
• Track 49 : Piatt_30, Durfee_30, Boiiii_30, AlishaPH_30, Asayake_30, Padfoot_30, Blizzard_30, CaseJules_30, Hyperbowlee_30, BEEST_30, ShiaSurprise_30
• Track 50 : BaghaKamala_30, Zavala_30, Jayhawk_30, HedwigODU_30, Mynx_30, JAWS_30, Geraldini_30, BarrelRoll_30, Ganymede_31, MacKat_30, Veliki_30, Slimphazie_30, Tachez_30, Zabiza_30, Atiba_30, Ramen_30, Emerson_30, Padpat_30, ActinUp_30, Homura_30, Clipper_30, TruffulaTree_30, Rapunzel97_30, QuincyRose_29, MeaningOfLife_30
• Track 51 : CrimD_30, Megsy_30
• Track 52 : Chavito_30
• Track 53 : TaiwanKao_31
• Track 54 : Bella96_30
• Track 55 : Murucutumbu_30
• Track 56 : YoureAdopted_29
• Track 57 : Belladonna_30, CheetoDust_30, Peel_30, Dalmuri_30, Inky_30, BGlluviae_30, Capricorn_30, Jeckyll_30, CREW_30, CallaLilly_30, Joy99_30, Twitch_30, Lokum_30, Llorens_30, Topper_30, Jarvi_30, Spock_30, Rosmarinus_30, Lunahalos_30
• Track 58 : LindNT_30, TreyKay_30, Prithvi_30
• Track 59 : Dole_30, Illumine_30, Devera_30
• Track 60 : Adonis_30
• Track 61 : Bern_30, Kheparia_32
• Track 62 : Guanica15_30, Yunkel11_30, Efra2_30
• Track 63 : Pisa4_29, DartGoblin_30, Pisa1_29
• Track 64 : Anaya_31
• Track 65 : LaterM_30
• Track 66 : Validus_30
• Track 67 : Ageofdapage_30, Stinson_31

• Track 68 : LastHope_30
• Track 69 : Curiosium_31
• Track 70 : Tiri_30
• Track 71 : Adephagia_30
• Track 72 : Pokerus_29
• Track 73 : TingHuaYa_30
• Track 74 : Beezoo_30
• Track 75 : Marcoliusprime_28, Strobilo_28, DismalStressor_28, DismalFunk_28, Findley_28
• Track 76 : Milly_28
• Track 77 : ZoeJ_28
• Track 78 : Rando14_30
• Track 79 : Ekdilam_27
• Track 80 : DarthP_29, Amohnition_29, Hammy_29
• Track 81 : Lavahound_28
• Track 82 : Yuna_31
• Track 83 : November_28
• Track 84 : Marshawn_31
• Track 85 : Applecrisp_28
• Track 86 : Ellie_27, Amgine_28
• Track 87 : Fefferhead_29
• Track 88 : Boilgate_27
• Track 89 : Xerxes_28, Chewbacca_28, Parmesanjohn_28, Tessdabest_27, Duplicity_28, Bosection6_28, Melville_28, Schnauzer_28, Smurph_28, Tortoise12_28, Gex_28, Carcharodon_28, Magsby_28, EGUnicorn_28, Silvafighter_28, Pipsqueaks_28, Tapioca_28
• Track 90 : Nenae_25, Hanako_25, PhancyPhin_25, Snekmaggedon_25, Andies_25, Purgamenstris_25, Shweta_25, Spinach_25, Rebel_25, BabeRuth_25, SpongeBob_25, Jamie19_25, ShrimpFriedEgg_25, Redi_25
• Track 91 : Raymond7_25
• Track 92 : Phloss_25
• Track 93 : Cubone_28
• Track 94 : Charlie_28, Journey_28, Silvy_28, Aggie_28
• Track 95 : MichelleMyBell_26
• Track 96 : Scitech_25
• Track 97 : Xeno_27
• Track 98 : Philonius_28

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

The start number called the most often in the published annotations is 10, it was called in 294 of the 300 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ACFishhook_11, ActinUp_30, Adephagia_30, Adonis_30, Ageofdapage_30, Aggie_28, Aglet_11, AgronaGT15_11, Aikoy_44, AlishaPH_30, Amgine_28, Amohnition_29, Anaya_31, Andies_25, Angelica_30, Anma_30, Anubis_13, Apocalypse_30, Applecrisp_28, Asayake_30, Atiba_30, AugsMagnumOpus_13, B1_07, BEEST_30, BGlluviae_30, BabeRuth_25, BabyJohn_8, BabyRay_9, BaghaKamala_30, BarrelRoll_30, Beauxregard13_11, Beezoo_30, Bella96_30,

Belladonna_30, Bern_30, Bigflo_11, Blizzard_30, BlueBird_10, Boiiii_30, Boilgate_27, Bosection6_28, BreSam8_11, Bugatti_10, BuzzBuzz_10, Bxz2_11, CREW_30, CallaLilly_30, Calvinny_11, Capricorn_30, Carcharodon_28, CaseJules_30, Cat_7, Caviar_10, Charlie_28, Chavito_30, CheetoDust_30, Chewbacca_28, Chiqui_8, Chupacabra_9, Clammy_10, Clipper_30, ClownCar_11, Colbster_11, CrimD_30, Croquant_12, Cubone_28, Cullens_11, Curiosium_31, DaHudson_11, Dalmuri_30, DartGoblin_30, DarthP_29, Dartin_30, Deby_30, Devera_30, Dieselweasel_11, Dole_30, DontArgue_8, DrHayes_30, DropBear_9, Duplicity_28, Durfee_30, DustyMartin_12, EGUnicorn_28, Eaglepride_10, Edison31_9, Efra2_30, Ekdilam_27, Ellie_27, Emerson_30, EpicPhail_11, EtoileNova_10, Farber_11, Fefferhead_29, Fernando_11, Fred313_9, Ganymede_31, Gemma_11, Geraldini_30, Gex_28, GingkoMaracino_11, Giroux_10, Goose1D_9, Goose1X_9, Goose_9, Grif_11, Groupthink_12, Grub_11, Grum1_11, GtownJaz_11, Guanica15_30, Gwennie_11, Hammy_29, Hanako_25, HashRod_12, HaveUMetTed_12, Heathen_9, HedwigODU_30, HelDan_9, Heliosoles_11, Hercules11_11, Homura_30, Hookmount_10, Hyperbowlee_30, Idleandcovert_9, Illumine_30, Indlulamithi_31, Inky_30, Isca_9, JAWS_30, JF2_9, JF4_9, JHC117_11, Jamie19_25, Jarvi_30, Jayhawk_30, Jeckyll_30, JenCasNa_11, JeppNRM_12, Jobu08_11, Journey_28, Joy99_30, KADY_12, Kachowdy_9, Kalb97_12, Kalnoky_12, Kheparia_32, Kimona_6, Kristoff_10, LBerry_11, Lambert1_10, LarryKay_11, LastHope_30, LaterM_30, Lavahound_28, Leopard_44, Lilith_11, LindNT_30, Llorens_30, Lokum_30, Louie6_11, Lowa_11, LugYA_13, Lunahalos_30, MA5_9, MK4_9, MacKat_30, MadMarie_11, Magsby_28, Mainiac_11, Malinsilva_13, Manu_12, MarQuardt_11, Marchesa_9, Margo_10, Marie_11, Marius_12, Marshawn_31, McMater_30, MeaningOfLife_30, Megsy_30, Melville_28, Methuselah_11, MichelleMyBell_26, Microwolf_11, Misomonster_13, MoneyMay_11, Montavir_10, MuchMore_13, Murucutumbu_30, Mynx_30, Nenae_25, Niklas_30, Noella_10, Norbert_9, November_28, OKCentral2016_9, OlanP_11, Ollie_11, Onyinye_45, P28Green_11, PGHhamlin_13, Padfoot_30, Padpat_30, Panamaxus_10, Parmesanjohn_28, Pawn_11, Peanam_30, Peel_30, Pembroke_11, Penny1_11, PhancyPhin_25, Phantastic_9, Philonius_28, PhishRPhriends_10, Phloss_25, Phoebe_11, Phoxy_11, Phranny_12, Phrappuccino_1, Piatt_30, Pipsqueaks_28, Pisa1_29, Pisa4_29, Pistachio_10, Pocahontas_10, Pokerus_29, Popcicle_10, PotatoSplit_12, Prithvi_30, Puppy_10, Purgamenstris_25, PurpleHaze_11, QuincyRose_29, QuinnKiro_9, Ramen_30, Rando14_30, Rapunzel97_30, Raymond7_25, Reba_12, Rebel_25, Rebeuca_10, Redi_25, ResDef_10, RhynO_10, Richo_30, Rockstar_9, Roimos_9, Rosmarinus_30, Rowdy_12, Rummer_11, Sabia_11, Sabinator_11, SamuelLPlaqson_30, SaturnRing_9, Schnauzer_28, Scitech_25, Scout_9, Settecandela_1, Shaobing_30, Shapes_12, Shep_9, ShiaSurprise_30, ShrimpFriedEgg_25, Shweta_25, Silvafighter_28, Silvy_28, Slimphazie_30, Smurph_28, Snekmaggedon_25, Snickers_11, SoYo_11, SoilDragon_11, Soshari_13, Spike509_11, Spinach_25, Spock_30, SpongeBob_25, Stagni_11, StepMih_11, Stinson_31, Sulley_30, TNguyen7_9, Tachez_30, TaiwanKao_31, Tapioca_28, Taurus_11, Tessdabest_27, Texage_9, Tiffany_11, TingHuaYa_30, TiniBug_30, TinyPebbles_11, Tiri_30, Todacoro_10, Topanga_9, Topper_30, Tortoise12_28, TreyKay_30, TruffulaTree_30, Twister_9, Twitch_30, Urkel_30, Validus_30, Veliki_30, Veracruz_9, Vix_11, WalterMcMickey_9, Watson_11, Wooldri_13, Xeno_27, Xerxes_28, YoureAdopted_29, Yuna_31, Yunkel11_30, Zabiza_30, Zarafa_9, Zavala_30, Zetzy_10, ZoeJ_28,

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

•

Genes that do not have the "Most Annotated" start:
• DismalFunk_28, DismalStressor_28, Findley_28, Marcoliusprime_28, Milly_28, Phlei_6, Strobilo_28,

Summary by start number:

Start 9:
• Found in 6 of 327 (1.8%) of genes in pham
• Manual Annotations of this start: 6 of 300
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DismalFunk_28 (K2), DismalStressor_28 (K2), Findley_28 (K2), Marcoliusprime_28 (K2), Milly_28 (K2), Strobilo_28 (K2),

Start 10:
• Found in 320 of 327 (97.9%) of genes in pham
• Manual Annotations of this start: 294 of 300
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ACFishhook_11 (A3), ActinUp_30 (K1), Adephagia_30 (K1), Adonis_30 (K1), Ageofdapage_30 (K1), Aggie_28 (N), Aglet_11 (A3), AgronaGT15_11 (A3), Aikoy_44 (AE), AlishaPH_30 (K1), Amgine_28 (K6), Amohnition_29 (K6), Anaya_31 (K1), Andies_25 (N), Angelica_30 (K1), Anma_30 (K1), Anubis_13 (A3), Apocalypse_30 (K1), Applecrisp_28 (K6), Asayake_30 (K1), Atiba_30 (K1), AugsMagnumOpus_13 (A3), B1_07 (A3), BEEST_30 (K1), BGlluviae_30 (K1), BabeRuth_25 (N), BabyJohn_8 (A3), BabyRay_9 (A3), BaghaKamala_30 (K1), BarrelRoll_30 (K1), Beauxregard13_11 (A3), Beezoo_30 (K1), Bella96_30 (K1), Belladonna_30 (K1), Bern_30 (K1), Bigflo_11 (A3), Blizzard_30 (K1), BlueBird_10 (A3), Boiiii_30 (K1), Boilgate_27 (K8), Bosection6_28 (N), BreSam8_11 (A3), Bugatti_10 (A3), BuzzBuzz_10 (A3), Bxz2_11 (A3), CREW_30 (K1), CallaLilly_30 (K1), Calvinny_11 (A3), Capricorn_30 (K1), Carcharodon_28 (N), CaseJules_30 (K1), Cat_7 (A3), Caviar_10 (A3), Charlie_28 (N), Chavito_30 (K1), CheetoDust_30 (K1), Chewbacca_28 (N), Chiqui_8 (A3), Chupacabra_9 (A10), Clammy_10 (A3), Clipper_30 (K1), ClownCar_11 (A3), Colbster_11 (A3), CrimD_30 (K1), Croquant_12 (A3), Cubone_28 (N), Cullens_11 (A3), Curiosium_31 (K1), DaHudson_11 (A3), Dalmuri_30 (K1), DartGoblin_30 (K1), DarthP_29 (K6), Dartin_30 (K1), Deby_30 (K1), Devera_30 (K1), Dieselweasel_11 (A3), Dole_30 (K1), DontArgue_8 (A10), DrHayes_30 (K1), DropBear_9 (A3), Duplicity_28 (N), Durfee_30 (K1), DustyMartin_12 (A10), EGUnicorn_28 (N), Eaglepride_10 (A10), Edison31_9 (A10), Efra2_30 (K1), Ekdilam_27 (K6), Ellie_27 (K6), Emerson_30 (K1), EpicPhail_11 (A3), EtoileNova_10 (A3), Farber_11 (A3), Fefferhead_29 (K6), Fernando_11 (A3), Fred313_9 (A3), Ganymede_31 (K1), Gemma_11 (A3), Geraldini_30 (K1), Gex_28 (N), GingkoMaracino_11 (A3), Giroux_10 (A3), Goose1D_9 (A3), Goose1X_9 (A3), Goose_9 (A10), Grif_11 (A3), Groupthink_12 (A3), Grub_11 (A3), Grum1_11 (A3), GtownJaz_11 (A3), Guanica15_30 (K1), Gwennie_11 (A3), Hammy_29 (K6), Hanako_25 (N), HashRod_12 (A3), HaveUMetTed_12 (A3), Heathen_9 (A3), HedwigODU_30 (K1), HelDan_9 (A3), Heliosoles_11 (A3), Hercules11_11 (A3), Homura_30 (K1), Hookmount_10 (A3), Hyperbowlee_30 (K1), Idleandcovert_9 (A3), Illumine_30 (K1), Indlulamithi_31 (AC), Inky_30 (K1), Isca_9 (A3), JAWS_30 (K1), JF2_9 (A3), JF4_9 (A3), JHC117_11 (A3), Jamie19_25 (N), Jarvi_30 (K1), Jayhawk_30 (K1), Jeckyll_30 (K1), JenCasNa_11 (A3), JeppNRM_12 (A3), Jobu08_11 (A3), Journey_28 (N), Joy99_30 (K1), KADY_12 (A3), Kachowdy_9 (A3), Kalb97_12 (A3), Kalnoky_12 (A3), Kheparia_32 (K1), Kimona_6 (A19), Kristoff_10 (A10), LBerry_11 (A3), Lambert1_10 (A3), LarryKay_11 (A3), LastHope_30 (K1), LaterM_30 (K1), Lavahound_28 (K6),

Leopard_44 (AE), Lilith_11 (A3), LindNT_30 (K1), Llorens_30 (K1), Lokum_30 (K1), Louie6_11 (A3), Lowa_11 (A3), LugYA_13 (A3), Lunahalos_30 (K1), MA5_9 (A3), MK4_9 (A3), MacKat_30 (K1), MadMarie_11 (A3), Magsby_28 (N), Mainiac_11 (A3), Malinsilva_13 (A3), Manu_12 (A3), MarQuardt_11 (A3), Marchesa_9 (A3), Margo_10 (A3), Marie_11 (A3), Marius_12 (A3), Marshawn_31 (K6), McMater_30 (K1), MeaningOfLife_30 (K1), Megsy_30 (K1), Melville_28 (N), Methuselah_11 (A3), MichelleMyBell_26 (N), Microwolf_11 (A3), Misomonster_13 (A3), MoneyMay_11 (A3), Montavir_10 (A3), MuchMore_13 (A3), Murucutumbu_30 (K1), Mynx_30 (K1), Nenae_25 (N), Niklas_30 (K1), Noella_10 (A3), Norbert_9 (A3), November_28 (K6), OKCentral2016_9 (A10), OlanP_11 (A3), Ollie_11 (A3), Onyinye_45 (AE), P28Green_11 (A3), PGHhamlin_13 (A3), Padfoot_30 (K1), Padpat_30 (K1), Panamaxus_10 (A3), Parmesanjohn_28 (N), Pawn_11 (A3), Peanam_30 (K1), Peel_30 (K1), Pembroke_11 (A3), Penny1_11 (A3), PhancyPhin_25 (N), Phantastic_9 (A3), Philonius_28 (N), PhishRPhriends_10 (A3), Phloss_25 (N), Phoebe_11 (A3), Phoxy_11 (A3), Phranny_12 (A3), Phrappuccino_1 (AA), Piatt_30 (K1), Pipsqueaks_28 (N), Pisa1_29 (K1), Pisa4_29 (K1), Pistachio_10 (A3), Pocahontas_10 (A3), Pokerus_29 (K1), Popcicle_10 (A3), PotatoSplit_12 (A3), Prithvi_30 (K1), Puppy_10 (A3), Purgamenstris_25 (N), PurpleHaze_11 (A3), QuincyRose_29 (K1), QuinnKiro_9 (A3), Ramen_30 (K1), Rando14_30 (K5), Rapunzel97_30 (K1), Raymond7_25 (N), Reba_12 (A3), Rebel_25 (N), Rebeuca_10 (A10), Redi_25 (N), ResDef_10 (A3), RhynO_10 (A10), Richo_30 (K1), Rockstar_9 (A3), Roimos_9 (A3), Rosmarinus_30 (K1), Rowdy_12 (A10), Rummer_11 (A3), Sabia_11 (A3), Sabinator_11 (A3), SamuelLPlaqson_30 (K1), SaturnRing_9 (A3), Schnauzer_28 (N), Scitech_25 (N), Scout_9 (A3), Settecandela_1 (AA), Shaobing_30 (K1), Shapes_12 (A10), Shep_9 (A3), ShiaSurprise_30 (K1), ShrimpFriedEgg_25 (N), Shweta_25 (N), Silvafighter_28 (N), Silvy_28 (N), Slimphazie_30 (K1), Smurph_28 (N), Snekmaggedon_25 (N), Snickers_11 (A3), SoYo_11 (A3), SoilDragon_11 (A3), Soshari_13 (A3), Spike509_11 (A3), Spinach_25 (N), Spock_30 (K1), SpongeBob_25 (N), Stagni_11 (A3), StepMih_11 (A3), Stinson_31 (K1), Sulley_30 (K1), TNguyen7_9 (A3), Tachez_30 (K1), TaiwanKao_31 (K1), Tapioca_28 (N), Taurus_11 (A3), Tessdabest_27 (N), Texage_9 (A3), Tiffany_11 (A3), TingHuaYa_30 (K1), TiniBug_30 (K1), TinyPebbles_11 (A3), Tiri_30 (K1), Todacoro_10 (A3), Topanga_9 (A10), Topper_30 (K1), Tortoise12_28 (N), TreyKay_30 (K1), TruffulaTree_30 (K1), Twister_9 (A10), Twitch_30 (K1), Urkel_30 (K1), Validus_30 (K1), Veliki_30 (K1), Veracruz_9 (A3), Vix_11 (A3), WalterMcMickey_9 (A10), Watson_11 (A3), Wooldri_13 (A3), Xeno_27 (N), Xerxes_28 (N), YoureAdopted_29 (K1), Yuna_31 (K6), Yunkel11_30 (K1), Zabiza_30 (K1), Zarafa_9 (A3), Zavala_30 (K1), Zetzy_10 (A3), ZoeJ_28 (K2),

Start 11:
• Found in 1 of 327 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phlei_6 (A13),

Summary by clusters:

There are 13 clusters represented in this pham: AA, AC, AE, A10, A13, A19, A3, N, K2, K1, K6, K5, K8,

Info for manual annotations of cluster A10:
•Start number 10 was manually annotated 11 times for cluster A10.

Info for manual annotations of cluster A19:
•Start number 10 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A3:
•Start number 10 was manually annotated 124 times for cluster A3.

Info for manual annotations of cluster AA:
•Start number 10 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AC:
•Start number 10 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:
•Start number 10 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster K1:
•Start number 10 was manually annotated 97 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 9 was manually annotated 6 times for cluster K2.
•Start number 10 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K5:
•Start number 10 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:
•Start number 10 was manually annotated 12 times for cluster K6.

Info for manual annotations of cluster K8:
•Start number 10 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster N:
•Start number 10 was manually annotated 40 times for cluster N.

Gene Information:

Gene: ACFishhook_11 Start: 4534, Stop: 6117, Start Num: 10
Candidate Starts for ACFishhook_11:
(Start: 10 @4534 has 294 MA's), (19, 4618), (28, 4741), (42, 4873), (44, 4912), (45, 4924), (48, 4972), (64, 5134), (66, 5152), (77, 5209), (84, 5260), (98, 5464), (100, 5485), (108, 5551), (115, 5620), (116, 5632), (126, 5749), (141, 5797), (147, 5824), (162, 5902), (167, 5926),

Gene: ActinUp_30 Start: 24811, Stop: 26466, Start Num: 10
Candidate Starts for ActinUp_30:
(Start: 10 @24811 has 294 MA's), (19, 24892), (23, 24916), (25, 24955), (26, 24973), (31, 25006), (33, 25030), (37, 25075), (40, 25117), (41, 25120), (42, 25123), (45, 25174), (46, 25201), (48, 25222), (52, 25255), (70, 25426), (77, 25474), (84, 25525), (86, 25555), (88, 25570), (96, 25708), (98, 25741), (104, 25780), (109, 25840), (113, 25870), (118, 25948), (126, 25993), (134, 26026), (140, 26047), (148, 26101), (155, 26143), (163, 26188), (200, 26356), (206, 26440),

Gene: Adephagia_30 Start: 24808, Stop: 26463, Start Num: 10
Candidate Starts for Adephagia_30:
(Start: 10 @24808 has 294 MA's), (14, 24835), (19, 24889), (23, 24913), (25, 24952), (26, 24970), (31, 25003), (33, 25027), (37, 25072), (40, 25114), (41, 25117), (42, 25120), (45, 25171), (46, 25198), (48, 25219), (52, 25252), (70, 25423), (77, 25471), (84, 25522), (86, 25552), (88, 25567), (96, 25705), (98, 25738), (104, 25777), (109, 25837), (113, 25867), (118, 25945), (126, 25990), (134, 26023), (140, 26044), (148, 26098), (155, 26140), (163, 26185), (200, 26353), (206, 26437),

Gene: Adonis_30 Start: 24814, Stop: 26469, Start Num: 10
Candidate Starts for Adonis_30:
(Start: 10 @24814 has 294 MA's), (19, 24895), (23, 24919), (25, 24958), (26, 24976), (31, 25009), (33, 25033), (37, 25078), (40, 25120), (42, 25126), (45, 25177), (46, 25204), (48, 25225), (52, 25258), (70, 25429), (77, 25477), (84, 25528), (86, 25558), (88, 25573), (96, 25711), (98, 25744), (109, 25843), (113, 25873), (118, 25951), (126, 25996), (134, 26029), (140, 26050), (148, 26104), (155, 26146), (163, 26191), (200, 26359), (206, 26443),

Gene: Ageofdapage_30 Start: 24757, Stop: 26406, Start Num: 10
Candidate Starts for Ageofdapage_30:
(Start: 10 @24757 has 294 MA's), (19, 24838), (22, 24859), (23, 24862), (25, 24901), (31, 24952), (33, 24976), (37, 25021), (40, 25063), (42, 25069), (45, 25120), (46, 25147), (48, 25168), (52, 25201), (68, 25363), (70, 25372), (77, 25420), (84, 25471), (88, 25516), (96, 25654), (98, 25687), (104, 25726), (109, 25786), (113, 25816), (118, 25894), (126, 25939), (134, 25972), (137, 25981), (155, 26089), (200, 26296), (206, 26380),

Gene: Aggie_28 Start: 22835, Stop: 24343, Start Num: 10
Candidate Starts for Aggie_28:
(Start: 10 @22835 has 294 MA's), (19, 22919), (28, 23018), (31, 23033), (41, 23147), (42, 23150), (45, 23201), (47, 23240), (48, 23249), (52, 23282), (54, 23324), (70, 23459), (73, 23474), (80, 23522), (82, 23546), (88, 23606), (118, 23972), (130, 24038), (138, 24062), (149, 24095), (153, 24110), (174, 24200),

Gene: Aglet_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for Aglet_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775), (168, 5781),

Gene: AgronaGT15_11 Start: 4326, Stop: 5870, Start Num: 10
Candidate Starts for AgronaGT15_11:
(Start: 10 @4326 has 294 MA's), (19, 4410), (28, 4533), (42, 4665), (44, 4704), (48, 4764), (52, 4797), (64, 4932), (77, 5007), (84, 5058), (98, 5229), (99, 5244), (126, 5505), (141, 5553), (147, 5580), (162, 5658), (167, 5682),

Gene: Aikoy_44 Start: 34493, Stop: 36076, Start Num: 10
Candidate Starts for Aikoy_44:
(Start: 10 @34493 has 294 MA's), (19, 34577), (20, 34580), (24, 34616), (26, 34658), (28, 34676), (33, 34715), (35, 34736), (39, 34775), (42, 34808), (44, 34847), (48, 34907), (51, 34931), (67, 35090), (70, 35102), (85, 35207), (86, 35231), (90, 35297), (100, 35432), (104, 35450), (118, 35648), (120, 35657), (122, 35666), (126, 35696), (132, 35720), (136, 35732), (146, 35780), (160, 35861), (161, 35864), (169, 35894), (202, 36041),

Gene: AlishaPH_30 Start: 24801, Stop: 26456, Start Num: 10
Candidate Starts for AlishaPH_30:

(Start: 10 @24801 has 294 MA's), (19, 24882), (23, 24906), (25, 24945), (26, 24963), (31, 24996), (33, 25020), (37, 25065), (40, 25107), (41, 25110), (42, 25113), (45, 25164), (46, 25191), (48, 25212), (52, 25245), (70, 25416), (77, 25464), (84, 25515), (86, 25545), (88, 25560), (96, 25698), (98, 25731), (109, 25830), (113, 25860), (118, 25938), (126, 25983), (134, 26016), (140, 26037), (148, 26091), (155, 26133), (163, 26178), (200, 26346), (206, 26430),

Gene: Amgine_28 Start: 24839, Stop: 26542, Start Num: 10
Candidate Starts for Amgine_28:
(Start: 10 @24839 has 294 MA's), (13, 24854), (16, 24875), (19, 24923), (25, 24986), (28, 25022), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (48, 25253), (52, 25286), (55, 25343), (58, 25394), (68, 25448), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (144, 26111), (148, 26129), (166, 26222), (173, 26252), (190, 26369), (200, 26423), (206, 26513),

Gene: Amohnition_29 Start: 25269, Stop: 26972, Start Num: 10
Candidate Starts for Amohnition_29:
(Start: 10 @25269 has 294 MA's), (16, 25305), (19, 25353), (25, 25416), (31, 25467), (33, 25491), (34, 25497), (37, 25536), (40, 25578), (41, 25581), (42, 25584), (45, 25635), (48, 25683), (52, 25716), (70, 25887), (77, 25935), (84, 25986), (88, 26031), (92, 26100), (104, 26241), (109, 26301), (118, 26409), (126, 26454), (134, 26487), (137, 26496), (148, 26559), (166, 26652), (187, 26772), (200, 26865), (206, 26949), (209, 26967),

Gene: Anaya_31 Start: 24827, Stop: 26482, Start Num: 10
Candidate Starts for Anaya_31:
(Start: 10 @24827 has 294 MA's), (19, 24908), (23, 24932), (25, 24971), (26, 24989), (31, 25022), (33, 25046), (37, 25091), (40, 25133), (41, 25136), (42, 25139), (45, 25190), (46, 25217), (48, 25238), (52, 25271), (70, 25442), (75, 25478), (77, 25490), (84, 25541), (86, 25571), (88, 25586), (96, 25724), (98, 25757), (104, 25796), (109, 25856), (113, 25886), (118, 25964), (126, 26009), (134, 26042), (140, 26063), (148, 26117), (150, 26126), (155, 26159), (163, 26204), (175, 26252), (200, 26372), (206, 26456),

Gene: Andies_25 Start: 22011, Stop: 23510, Start Num: 10
Candidate Starts for Andies_25:
(Start: 10 @22011 has 294 MA's), (19, 22095), (31, 22209), (42, 22326), (45, 22377), (47, 22416), (48, 22425), (52, 22458), (54, 22500), (70, 22629), (73, 22644), (74, 22659), (80, 22692), (82, 22716), (87, 22767), (88, 22776), (114, 23055), (118, 23142), (129, 23199), (130, 23205), (138, 23229), (149, 23262), (153, 23277), (174, 23367),

Gene: Angelica_30 Start: 24776, Stop: 26431, Start Num: 10
Candidate Starts for Angelica_30:
(Start: 10 @24776 has 294 MA's), (19, 24857), (23, 24881), (25, 24920), (26, 24938), (33, 24995), (37, 25040), (40, 25082), (41, 25085), (42, 25088), (45, 25139), (46, 25166), (48, 25187), (52, 25220), (70, 25391), (75, 25427), (77, 25439), (84, 25490), (86, 25520), (88, 25535), (96, 25673), (98, 25706), (104, 25745), (109, 25805), (113, 25835), (118, 25913), (126, 25958), (134, 25991), (140, 26012), (148, 26066), (155, 26108), (163, 26153), (200, 26321), (206, 26405),

Gene: Anma_30 Start: 24769, Stop: 26385, Start Num: 10
Candidate Starts for Anma_30:
(Start: 10 @24769 has 294 MA's), (16, 24802), (19, 24850), (23, 24874), (25, 24913), (26, 24931), (31, 24964), (33, 24988), (37, 25033), (40, 25075), (41, 25078), (42, 25081), (48, 25180), (52, 25213), (68, 25375), (70, 25384), (77, 25432), (84, 25483), (88, 25528), (96, 25666), (98, 25699), (104, 25738), (109, 25798), (113, 25828), (118, 25906), (126, 25951), (143, 26005), (155, 26089), (166, 26146),

(200, 26275), (203, 26305), (206, 26359),

Gene: Anubis_13 Start: 4286, Stop: 5848, Start Num: 10
Candidate Starts for Anubis_13:
(Start: 10 @4286 has 294 MA's), (19, 4370), (28, 4493), (31, 4508), (40, 4619), (42, 4625), (44, 4664), (45, 4676), (48, 4724), (81, 4988), (84, 5021), (85, 5027), (100, 5231), (105, 5258), (117, 5396), (118, 5435), (126, 5483), (141, 5531), (162, 5636), (170, 5672),

Gene: Apocalypse_30 Start: 24779, Stop: 26434, Start Num: 10
Candidate Starts for Apocalypse_30:
(Start: 10 @24779 has 294 MA's), (19, 24860), (23, 24884), (25, 24923), (26, 24941), (31, 24974), (33, 24998), (37, 25043), (41, 25088), (42, 25091), (45, 25142), (46, 25169), (48, 25190), (52, 25223), (70, 25394), (75, 25430), (77, 25442), (84, 25493), (86, 25523), (88, 25538), (96, 25676), (98, 25709), (109, 25808), (113, 25838), (118, 25916), (126, 25961), (134, 25994), (140, 26015), (148, 26069), (155, 26111), (163, 26156), (200, 26324), (206, 26408),

Gene: Applecrisp_28 Start: 25261, Stop: 26964, Start Num: 10
Candidate Starts for Applecrisp_28:
(Start: 10 @25261 has 294 MA's), (13, 25276), (16, 25297), (19, 25345), (25, 25408), (31, 25459), (33, 25483), (37, 25528), (40, 25570), (41, 25573), (42, 25576), (45, 25627), (48, 25675), (52, 25708), (55, 25765), (58, 25816), (68, 25870), (70, 25879), (77, 25927), (84, 25978), (86, 26008), (88, 26023), (96, 26161), (104, 26233), (109, 26293), (113, 26323), (118, 26401), (126, 26446), (134, 26479), (144, 26533), (148, 26551), (166, 26644), (173, 26674), (190, 26791), (200, 26845), (206, 26935),

Gene: Asayake_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Asayake_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Atiba_30 Start: 24771, Stop: 26426, Start Num: 10
Candidate Starts for Atiba_30:
(Start: 10 @24771 has 294 MA's), (19, 24852), (23, 24876), (25, 24915), (26, 24933), (31, 24966), (33, 24990), (37, 25035), (40, 25077), (41, 25080), (42, 25083), (45, 25134), (46, 25161), (48, 25182), (52, 25215), (70, 25386), (77, 25434), (84, 25485), (86, 25515), (88, 25530), (96, 25668), (98, 25701), (104, 25740), (109, 25800), (113, 25830), (118, 25908), (126, 25953), (134, 25986), (140, 26007), (148, 26061), (155, 26103), (163, 26148), (200, 26316), (206, 26400),

Gene: AugsMagnumOpus_13 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for AugsMagnumOpus_13:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: B1_07 Start: 3814, Stop: 5379, Start Num: 10
Candidate Starts for B1_07:
(Start: 10 @3814 has 294 MA's), (19, 3898), (33, 4060), (34, 4066), (37, 4105), (40, 4147), (42, 4153), (44, 4192), (48, 4252), (84, 4543), (100, 4753), (105, 4780), (117, 4918), (126, 5005), (141, 5053), (151, 5101), (173, 5203), (175, 5212), (176, 5227), (184, 5263),

Gene: BEEST_30 Start: 24842, Stop: 26497, Start Num: 10

Candidate Starts for BEEST_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: BGlluviae_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for BGlluviae_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: BabeRuth_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for BabeRuth_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: BabyJohn_8 Start: 4396, Stop: 5961, Start Num: 10
Candidate Starts for BabyJohn_8:
(Start: 10 @4396 has 294 MA's), (19, 4480), (27, 4591), (34, 4648), (40, 4729), (42, 4735), (44, 4774), (48, 4834), (59, 4972), (84, 5125), (100, 5335), (105, 5362), (117, 5500), (126, 5587), (141, 5635), (170, 5776),

Gene: BabyRay_9 Start: 4410, Stop: 5975, Start Num: 10
Candidate Starts for BabyRay_9:
(2, 4119), (Start: 10 @4410 has 294 MA's), (19, 4494), (34, 4662), (40, 4743), (42, 4749), (44, 4788), (48, 4848), (84, 5139), (100, 5349), (117, 5514), (126, 5601), (141, 5649), (173, 5799), (175, 5808), (176, 5823), (184, 5859), (196, 5946),

Gene: BaghaKamala_30 Start: 24771, Stop: 26426, Start Num: 10
Candidate Starts for BaghaKamala_30:
(Start: 10 @24771 has 294 MA's), (19, 24852), (23, 24876), (25, 24915), (26, 24933), (31, 24966), (33, 24990), (37, 25035), (40, 25077), (41, 25080), (42, 25083), (45, 25134), (46, 25161), (48, 25182), (52, 25215), (70, 25386), (77, 25434), (84, 25485), (86, 25515), (88, 25530), (96, 25668), (98, 25701), (104, 25740), (109, 25800), (113, 25830), (118, 25908), (126, 25953), (134, 25986), (140, 26007), (148, 26061), (155, 26103), (163, 26148), (200, 26316), (206, 26400),

Gene: BarrelRoll_30 Start: 24794, Stop: 26449, Start Num: 10
Candidate Starts for BarrelRoll_30:
(Start: 10 @24794 has 294 MA's), (19, 24875), (23, 24899), (25, 24938), (26, 24956), (31, 24989), (33, 25013), (37, 25058), (40, 25100), (41, 25103), (42, 25106), (45, 25157), (46, 25184), (48, 25205), (52, 25238), (70, 25409), (77, 25457), (84, 25508), (86, 25538), (88, 25553), (96, 25691), (98, 25724), (104, 25763), (109, 25823), (113, 25853), (118, 25931), (126, 25976), (134, 26009), (140, 26030), (148, 26084), (155, 26126), (163, 26171), (200, 26339), (206, 26423),

Gene: Beauxregard13_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for Beauxregard13_11:

(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: Beezoo_30 Start: 24819, Stop: 26474, Start Num: 10
Candidate Starts for Beezoo_30:
(Start: 10 @24819 has 294 MA's), (19, 24900), (23, 24924), (25, 24963), (26, 24981), (31, 25014), (33, 25038), (37, 25083), (41, 25128), (42, 25131), (45, 25182), (46, 25209), (48, 25230), (52, 25263), (69, 25431), (70, 25434), (75, 25470), (77, 25482), (84, 25533), (86, 25563), (88, 25578), (96, 25716), (98, 25749), (104, 25788), (109, 25848), (113, 25878), (118, 25956), (126, 26001), (134, 26034), (140, 26055), (148, 26109), (155, 26151), (163, 26196), (200, 26364), (206, 26448),

Gene: Bella96_30 Start: 24751, Stop: 26367, Start Num: 10
Candidate Starts for Bella96_30:
(Start: 10 @24751 has 294 MA's), (16, 24784), (19, 24832), (23, 24856), (25, 24895), (26, 24913), (31, 24946), (33, 24970), (37, 25015), (40, 25057), (42, 25063), (48, 25162), (52, 25195), (68, 25357), (70, 25366), (77, 25414), (84, 25465), (88, 25510), (96, 25648), (98, 25681), (104, 25720), (109, 25780), (113, 25810), (118, 25888), (126, 25933), (143, 25987), (155, 26071), (166, 26128), (200, 26257), (206, 26341),

Gene: Belladonna_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Belladonna_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Bern_30 Start: 24763, Stop: 26406, Start Num: 10
Candidate Starts for Bern_30:
(Start: 10 @24763 has 294 MA's), (16, 24796), (19, 24844), (23, 24868), (25, 24907), (26, 24925), (31, 24958), (33, 24982), (40, 25069), (42, 25075), (48, 25174), (52, 25207), (68, 25369), (70, 25378), (77, 25426), (84, 25477), (88, 25522), (96, 25660), (98, 25693), (104, 25732), (109, 25792), (113, 25822), (118, 25900), (126, 25945), (134, 25978), (148, 26053), (155, 26095), (163, 26140), (200, 26296), (206, 26380),

Gene: Bigflo_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Bigflo_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Blizzard_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Blizzard_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: BlueBird_10 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for BlueBird_10:

(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: Boiiii_30 Start: 24844, Stop: 26499, Start Num: 10
Candidate Starts for Boiiii_30:
(Start: 10 @24844 has 294 MA's), (19, 24925), (23, 24949), (25, 24988), (26, 25006), (31, 25039), (33, 25063), (37, 25108), (40, 25150), (41, 25153), (42, 25156), (45, 25207), (46, 25234), (48, 25255), (52, 25288), (70, 25459), (77, 25507), (84, 25558), (86, 25588), (88, 25603), (96, 25741), (98, 25774), (109, 25873), (113, 25903), (118, 25981), (126, 26026), (134, 26059), (140, 26080), (148, 26134), (155, 26176), (163, 26221), (200, 26389), (206, 26473),

Gene: Boilgate_27 Start: 26728, Stop: 28389, Start Num: 10
Candidate Starts for Boilgate_27:
(6, 26656), (8, 26692), (Start: 10 @26728 has 294 MA's), (18, 26806), (19, 26809), (23, 26833), (24, 26848), (27, 26896), (31, 26926), (33, 26950), (40, 27037), (42, 27043), (44, 27082), (48, 27142), (52, 27169), (67, 27325), (78, 27397), (84, 27439), (87, 27475), (104, 27682), (108, 27730), (118, 27853), (126, 27898), (134, 27931), (142, 27952), (156, 28033), (160, 28063), (181, 28174), (198, 28252),

Gene: Bosection6_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Bosection6_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: BreSam8_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for BreSam8_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767), (168, 5773),

Gene: Bugatti_10 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for Bugatti_10:
(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: BuzzBuzz_10 Start: 4502, Stop: 6046, Start Num: 10
Candidate Starts for BuzzBuzz_10:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (111, 5513), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: Bxz2_11 Start: 4512, Stop: 6056, Start Num: 10
Candidate Starts for Bxz2_11:
(Start: 10 @4512 has 294 MA's), (19, 4596), (28, 4719), (31, 4734), (40, 4845), (42, 4851), (44, 4890), (45, 4902), (48, 4950), (64, 5118), (77, 5193), (84, 5244), (98, 5415), (99, 5430), (126, 5691), (141, 5739), (147, 5766), (162, 5844), (167, 5868),

Gene: CREW_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for CREW_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70,

25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: CallaLilly_30 Start: 24765, Stop: 26420, Start Num: 10
Candidate Starts for CallaLilly_30:
(Start: 10 @24765 has 294 MA's), (19, 24846), (23, 24870), (25, 24909), (26, 24927), (31, 24960), (33, 24984), (40, 25071), (41, 25074), (42, 25077), (45, 25128), (46, 25155), (48, 25176), (52, 25209), (70, 25380), (77, 25428), (84, 25479), (86, 25509), (88, 25524), (96, 25662), (98, 25695), (104, 25734), (109, 25794), (113, 25824), (118, 25902), (126, 25947), (134, 25980), (140, 26001), (148, 26055), (155, 26097), (163, 26142), (200, 26310), (206, 26394),

Gene: Calvinny_11 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Calvinny_11:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Capricorn_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Capricorn_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Carcharodon_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Carcharodon_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: CaseJules_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for CaseJules_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Cat_7 Start: 4029, Stop: 5594, Start Num: 10
Candidate Starts for Cat_7:
(2, 3738), (Start: 10 @4029 has 294 MA's), (19, 4113), (34, 4281), (40, 4362), (42, 4368), (44, 4407), (48, 4467), (84, 4758), (100, 4968), (117, 5133), (126, 5220), (141, 5268), (173, 5418), (175, 5427), (176, 5442), (184, 5478), (196, 5565),

Gene: Caviar_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Caviar_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Charlie_28 Start: 22834, Stop: 24342, Start Num: 10

Candidate Starts for Charlie_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (45, 23200), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Chavito_30 Start: 24482, Stop: 26164, Start Num: 10
Candidate Starts for Chavito_30:
(Start: 10 @24482 has 294 MA's), (16, 24515), (19, 24563), (23, 24587), (25, 24626), (26, 24644), (31, 24677), (33, 24701), (37, 24746), (40, 24788), (42, 24794), (45, 24845), (48, 24893), (50, 24911), (52, 24932), (68, 25094), (70, 25103), (72, 25115), (75, 25139), (77, 25151), (84, 25205), (88, 25250), (96, 25388), (98, 25421), (104, 25460), (106, 25484), (109, 25520), (113, 25550), (118, 25628), (124, 25652), (126, 25673), (128, 25682), (134, 25706), (145, 25766), (158, 25853), (159, 25856), (177, 25934), (200, 26051), (206, 26135),

Gene: CheetoDust_30 Start: 24819, Stop: 26474, Start Num: 10
Candidate Starts for CheetoDust_30:
(Start: 10 @24819 has 294 MA's), (19, 24900), (23, 24924), (25, 24963), (26, 24981), (31, 25014), (33, 25038), (40, 25125), (41, 25128), (42, 25131), (45, 25182), (46, 25209), (48, 25230), (52, 25263), (70, 25434), (77, 25482), (84, 25533), (86, 25563), (88, 25578), (96, 25716), (98, 25749), (104, 25788), (109, 25848), (113, 25878), (118, 25956), (126, 26001), (134, 26034), (140, 26055), (148, 26109), (155, 26151), (163, 26196), (200, 26364), (206, 26448),

Gene: Chewbacca_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Chewbacca_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Chiqui_8 Start: 4396, Stop: 5961, Start Num: 10
Candidate Starts for Chiqui_8:
(Start: 10 @4396 has 294 MA's), (19, 4480), (27, 4591), (34, 4648), (40, 4729), (42, 4735), (44, 4774), (48, 4834), (59, 4972), (84, 5125), (100, 5335), (105, 5362), (117, 5500), (126, 5587), (141, 5635), (170, 5776),

Gene: Chupacabra_9 Start: 4142, Stop: 5710, Start Num: 10
Candidate Starts for Chupacabra_9:
(Start: 10 @4142 has 294 MA's), (17, 4217), (18, 4223), (26, 4331), (28, 4349), (36, 4424), (42, 4481), (44, 4520), (47, 4571), (49, 4595), (65, 4754), (84, 4871), (98, 5081), (100, 5102), (105, 5129), (114, 5219), (118, 5291), (121, 5306), (125, 5336), (130, 5360), (133, 5372), (158, 5495), (161, 5504), (175, 5561), (188, 5642),

Gene: Clammy_10 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for Clammy_10:
(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: Clipper_30 Start: 24819, Stop: 26474, Start Num: 10
Candidate Starts for Clipper_30:
(Start: 10 @24819 has 294 MA's), (19, 24900), (23, 24924), (25, 24963), (26, 24981), (31, 25014), (33, 25038), (37, 25083), (40, 25125), (41, 25128), (42, 25131), (45, 25182), (46, 25209), (48, 25230), (52, 25263), (70, 25434), (77, 25482), (84, 25533), (86, 25563), (88, 25578), (96, 25716), (98, 25749), (104,

25788), (109, 25848), (113, 25878), (118, 25956), (126, 26001), (134, 26034), (140, 26055), (148, 26109), (155, 26151), (163, 26196), (200, 26364), (206, 26448),

Gene: ClownCar_11 Start: 4451, Stop: 6034, Start Num: 10
Candidate Starts for ClownCar_11:
(Start: 10 @4451 has 294 MA's), (19, 4535), (20, 4538), (28, 4658), (42, 4790), (44, 4829), (45, 4841), (48, 4889), (64, 5051), (66, 5069), (77, 5126), (84, 5177), (98, 5381), (100, 5402), (108, 5468), (115, 5537), (116, 5549), (126, 5666), (141, 5714), (147, 5741), (162, 5819), (167, 5843),

Gene: Colbster_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for Colbster_11:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: CrimD_30 Start: 24779, Stop: 26434, Start Num: 10
Candidate Starts for CrimD_30:
(Start: 10 @24779 has 294 MA's), (19, 24860), (23, 24884), (25, 24923), (31, 24974), (33, 24998), (37, 25043), (40, 25085), (45, 25142), (46, 25169), (48, 25190), (52, 25223), (68, 25385), (70, 25394), (77, 25442), (84, 25493), (88, 25538), (95, 25652), (96, 25676), (98, 25709), (104, 25748), (109, 25808), (113, 25838), (118, 25916), (126, 25961), (134, 25994), (137, 26003), (148, 26069), (150, 26078), (155, 26111), (163, 26156), (200, 26324), (206, 26408),

Gene: Croquant_12 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Croquant_12:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Cubone_28 Start: 22856, Stop: 24364, Start Num: 10
Candidate Starts for Cubone_28:
(Start: 10 @22856 has 294 MA's), (19, 22940), (28, 23039), (31, 23054), (41, 23168), (42, 23171), (47, 23261), (48, 23270), (52, 23303), (54, 23345), (70, 23480), (73, 23495), (80, 23543), (82, 23567), (88, 23627), (99, 23774), (118, 23993), (130, 24059), (138, 24083), (149, 24116), (153, 24131), (174, 24221),

Gene: Cullens_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Cullens_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Curiosium_31 Start: 24611, Stop: 26284, Start Num: 10
Candidate Starts for Curiosium_31:
(Start: 10 @24611 has 294 MA's), (19, 24695), (23, 24719), (25, 24758), (31, 24809), (33, 24833), (37, 24878), (40, 24920), (41, 24923), (42, 24926), (46, 25004), (48, 25025), (70, 25223), (77, 25271), (84, 25322), (88, 25367), (95, 25481), (96, 25505), (98, 25538), (104, 25577), (106, 25601), (109, 25637), (113, 25667), (118, 25745), (126, 25790), (128, 25799), (134, 25823), (137, 25832), (158, 25970), (159, 25973), (164, 25988), (191, 26132), (200, 26174), (206, 26258),

Gene: DaHudson_11 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for DaHudson_11:

(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: Dalmuri_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Dalmuri_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: DartGoblin_30 Start: 24748, Stop: 26361, Start Num: 10
Candidate Starts for DartGoblin_30:
(Start: 10 @24748 has 294 MA's), (16, 24781), (19, 24829), (23, 24853), (25, 24892), (26, 24910), (31, 24943), (33, 24967), (37, 25012), (40, 25054), (41, 25057), (42, 25060), (48, 25159), (52, 25192), (68, 25354), (70, 25363), (77, 25411), (84, 25462), (88, 25507), (96, 25645), (98, 25678), (104, 25717), (109, 25777), (113, 25807), (118, 25885), (126, 25930), (143, 25984), (155, 26068), (166, 26125), (200, 26251), (206, 26335),

Gene: DarthP_29 Start: 25191, Stop: 26894, Start Num: 10
Candidate Starts for DarthP_29:
(Start: 10 @25191 has 294 MA's), (16, 25227), (19, 25275), (25, 25338), (31, 25389), (33, 25413), (34, 25419), (37, 25458), (40, 25500), (41, 25503), (42, 25506), (45, 25557), (48, 25605), (52, 25638), (70, 25809), (77, 25857), (84, 25908), (88, 25953), (92, 26022), (104, 26163), (109, 26223), (118, 26331), (126, 26376), (134, 26409), (137, 26418), (148, 26481), (166, 26574), (187, 26694), (200, 26787), (206, 26871), (209, 26889),

Gene: Dartin_30 Start: 24177, Stop: 25853, Start Num: 10
Candidate Starts for Dartin_30:
(Start: 10 @24177 has 294 MA's), (16, 24210), (19, 24258), (23, 24282), (25, 24321), (26, 24339), (31, 24372), (33, 24396), (40, 24483), (41, 24486), (42, 24489), (45, 24540), (48, 24588), (50, 24606), (52, 24627), (57, 24726), (68, 24783), (70, 24792), (75, 24828), (77, 24840), (84, 24894), (88, 24939), (96, 25077), (98, 25110), (106, 25173), (109, 25209), (113, 25239), (118, 25317), (126, 25362), (128, 25371), (134, 25395), (136, 25398), (139, 25407), (145, 25455), (159, 25545), (200, 25740), (204, 25773), (206, 25824),

Gene: Deby_30 Start: 24776, Stop: 26431, Start Num: 10
Candidate Starts for Deby_30:
(Start: 10 @24776 has 294 MA's), (19, 24857), (23, 24881), (25, 24920), (26, 24938), (33, 24995), (37, 25040), (40, 25082), (41, 25085), (42, 25088), (45, 25139), (46, 25166), (48, 25187), (52, 25220), (70, 25391), (75, 25427), (77, 25439), (84, 25490), (86, 25520), (88, 25535), (96, 25673), (98, 25706), (104, 25745), (109, 25805), (113, 25835), (118, 25913), (126, 25958), (134, 25991), (140, 26012), (148, 26066), (155, 26108), (163, 26153), (200, 26321), (206, 26405),

Gene: Devera_30 Start: 24822, Stop: 26471, Start Num: 10
Candidate Starts for Devera_30:
(Start: 10 @24822 has 294 MA's), (22, 24924), (23, 24927), (25, 24966), (31, 25017), (33, 25041), (37, 25086), (40, 25128), (42, 25134), (45, 25185), (46, 25212), (48, 25233), (52, 25266), (68, 25428), (70, 25437), (77, 25485), (84, 25536), (88, 25581), (96, 25719), (98, 25752), (104, 25791), (109, 25851), (113, 25881), (118, 25959), (126, 26004), (134, 26037), (137, 26046), (155, 26154), (200, 26361), (206, 26445), (209, 26466),

Gene: Dieselweasel_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for Dieselweasel_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775),

Gene: DismalFunk_28 Start: 23083, Stop: 24801, Start Num: 9
Candidate Starts for DismalFunk_28:
(Start: 9 @23083 has 6 MA's), (16, 23119), (19, 23167), (33, 23308), (38, 23365), (40, 23395), (41, 23398), (45, 23452), (46, 23479), (48, 23500), (52, 23533), (61, 23641), (66, 23683), (70, 23698), (77, 23746), (84, 23797), (88, 23842), (98, 24001), (104, 24040), (112, 24112), (118, 24211), (126, 24259), (145, 24331), (158, 24418), (161, 24427), (175, 24481), (204, 24709),

Gene: DismalStressor_28 Start: 23083, Stop: 24801, Start Num: 9
Candidate Starts for DismalStressor_28:
(Start: 9 @23083 has 6 MA's), (16, 23119), (19, 23167), (33, 23308), (38, 23365), (40, 23395), (41, 23398), (45, 23452), (46, 23479), (48, 23500), (52, 23533), (61, 23641), (66, 23683), (70, 23698), (77, 23746), (84, 23797), (88, 23842), (98, 24001), (104, 24040), (112, 24112), (118, 24211), (126, 24259), (145, 24331), (158, 24418), (161, 24427), (175, 24481), (204, 24709),

Gene: Dole_30 Start: 24824, Stop: 26473, Start Num: 10
Candidate Starts for Dole_30:
(Start: 10 @24824 has 294 MA's), (22, 24926), (23, 24929), (25, 24968), (31, 25019), (33, 25043), (37, 25088), (40, 25130), (42, 25136), (45, 25187), (46, 25214), (48, 25235), (52, 25268), (68, 25430), (70, 25439), (77, 25487), (84, 25538), (88, 25583), (96, 25721), (98, 25754), (104, 25793), (109, 25853), (113, 25883), (118, 25961), (126, 26006), (134, 26039), (137, 26048), (155, 26156), (200, 26363), (206, 26447), (209, 26468),

Gene: DontArgue_8 Start: 2379, Stop: 3947, Start Num: 10
Candidate Starts for DontArgue_8:
(Start: 10 @2379 has 294 MA's), (28, 2586), (40, 2712), (42, 2718), (44, 2757), (47, 2808), (49, 2832), (65, 2991), (71, 3021), (84, 3108), (100, 3339), (101, 3351), (105, 3366), (114, 3456), (121, 3543), (125, 3573), (130, 3597), (133, 3609), (143, 3636), (165, 3756), (175, 3798), (183, 3855), (185, 3864),

Gene: DrHayes_30 Start: 24769, Stop: 26385, Start Num: 10
Candidate Starts for DrHayes_30:
(Start: 10 @24769 has 294 MA's), (16, 24802), (19, 24850), (23, 24874), (25, 24913), (26, 24931), (31, 24964), (33, 24988), (37, 25033), (40, 25075), (41, 25078), (42, 25081), (48, 25180), (52, 25213), (68, 25375), (70, 25384), (77, 25432), (84, 25483), (88, 25528), (96, 25666), (98, 25699), (104, 25738), (109, 25798), (113, 25828), (118, 25906), (126, 25951), (143, 26005), (155, 26089), (166, 26146), (200, 26275), (203, 26305), (206, 26359),

Gene: DropBear_9 Start: 4237, Stop: 5802, Start Num: 10
Candidate Starts for DropBear_9:
(3, 3967), (Start: 10 @4237 has 294 MA's), (19, 4321), (34, 4489), (42, 4576), (44, 4615), (48, 4675), (84, 4966), (100, 5176), (117, 5341), (126, 5428), (141, 5476), (151, 5524), (173, 5626), (175, 5635), (176, 5650), (184, 5686), (196, 5773),

Gene: Duplicity_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Duplicity_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Durfee_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Durfee_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: DustyMartin_12 Start: 4197, Stop: 5759, Start Num: 10
Candidate Starts for DustyMartin_12:
(Start: 10 @4197 has 294 MA's), (17, 4272), (26, 4386), (28, 4404), (36, 4479), (42, 4536), (44, 4575), (47, 4626), (49, 4650), (65, 4809), (84, 4926), (100, 5157), (105, 5184), (114, 5274), (118, 5346), (121, 5361), (125, 5391), (130, 5415), (133, 5427), (143, 5454), (158, 5550), (165, 5574), (168, 5592), (185, 5682),

Gene: EGUnicorn_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for EGUnicorn_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Eaglepride_10 Start: 4140, Stop: 5708, Start Num: 10
Candidate Starts for Eaglepride_10:
(Start: 10 @4140 has 294 MA's), (17, 4215), (26, 4329), (28, 4347), (42, 4479), (44, 4518), (47, 4569), (48, 4578), (49, 4593), (65, 4752), (84, 4869), (100, 5100), (105, 5127), (114, 5217), (121, 5304), (125, 5334), (130, 5358), (133, 5370), (143, 5397), (158, 5493), (161, 5502), (165, 5517), (174, 5553), (175, 5559), (185, 5625), (188, 5640),

Gene: Edison31_9 Start: 4156, Stop: 5718, Start Num: 10
Candidate Starts for Edison31_9:
(Start: 10 @4156 has 294 MA's), (17, 4231), (26, 4345), (28, 4363), (36, 4438), (42, 4495), (44, 4534), (47, 4585), (49, 4609), (65, 4768), (84, 4885), (100, 5116), (105, 5143), (114, 5233), (118, 5305), (125, 5350), (130, 5374), (133, 5386), (143, 5413), (158, 5509), (165, 5533), (168, 5551), (185, 5641),

Gene: Efra2_30 Start: 24059, Stop: 25705, Start Num: 10
Candidate Starts for Efra2_30:
(Start: 10 @24059 has 294 MA's), (16, 24092), (19, 24140), (23, 24164), (25, 24203), (26, 24221), (31, 24254), (33, 24278), (40, 24365), (41, 24368), (42, 24371), (45, 24422), (48, 24470), (52, 24500), (70, 24665), (84, 24764), (88, 24809), (96, 24947), (98, 24980), (104, 25019), (109, 25079), (113, 25109), (118, 25187), (126, 25232), (134, 25265), (137, 25274), (155, 25382), (200, 25595), (201, 25598), (206, 25679), (208, 25694),

Gene: Ekdilam_27 Start: 24950, Stop: 26653, Start Num: 10
Candidate Starts for Ekdilam_27:
(Start: 10 @24950 has 294 MA's), (16, 24986), (19, 25034), (25, 25097), (28, 25133), (31, 25148), (33, 25172), (34, 25178), (37, 25217), (40, 25259), (41, 25262), (42, 25265), (45, 25316), (48, 25364), (52, 25397), (58, 25505), (70, 25568), (77, 25616), (84, 25667), (88, 25712), (95, 25826), (96, 25850), (98, 25883), (104, 25922), (109, 25982), (113, 26012), (118, 26090), (126, 26135), (134, 26168), (148, 26240), (166, 26333), (187, 26453), (190, 26480), (200, 26546),

Gene: Ellie_27 Start: 24952, Stop: 26655, Start Num: 10
Candidate Starts for Ellie_27:

(Start: 10 @24952 has 294 MA's), (13, 24967), (16, 24988), (19, 25036), (25, 25099), (28, 25135), (31, 25150), (33, 25174), (37, 25219), (40, 25261), (41, 25264), (42, 25267), (45, 25318), (48, 25366), (52, 25399), (55, 25456), (58, 25507), (68, 25561), (70, 25570), (77, 25618), (84, 25669), (86, 25699), (88, 25714), (96, 25852), (104, 25924), (109, 25984), (113, 26014), (118, 26092), (126, 26137), (134, 26170), (144, 26224), (148, 26242), (166, 26335), (173, 26365), (190, 26482), (200, 26536), (206, 26626),

Gene: Emerson_30 Start: 24802, Stop: 26457, Start Num: 10
Candidate Starts for Emerson_30:
(Start: 10 @24802 has 294 MA's), (19, 24883), (23, 24907), (25, 24946), (26, 24964), (31, 24997), (33, 25021), (37, 25066), (40, 25108), (41, 25111), (42, 25114), (45, 25165), (46, 25192), (48, 25213), (52, 25246), (70, 25417), (77, 25465), (84, 25516), (86, 25546), (88, 25561), (96, 25699), (98, 25732), (104, 25771), (109, 25831), (113, 25861), (118, 25939), (126, 25984), (134, 26017), (140, 26038), (148, 26092), (155, 26134), (163, 26179), (200, 26347), (206, 26431),

Gene: EpicPhail_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for EpicPhail_11:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: EtoileNova_10 Start: 4493, Stop: 6055, Start Num: 10
Candidate Starts for EtoileNova_10:
(Start: 10 @4493 has 294 MA's), (19, 4577), (37, 4784), (40, 4826), (42, 4832), (44, 4871), (45, 4883), (48, 4931), (52, 4964), (81, 5195), (84, 5228), (85, 5234), (100, 5438), (105, 5465), (117, 5603), (118, 5642), (126, 5690), (141, 5738), (147, 5765), (162, 5843),

Gene: Farber_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for Farber_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767),

Gene: Fefferhead_29 Start: 25152, Stop: 26855, Start Num: 10
Candidate Starts for Fefferhead_29:
(Start: 10 @25152 has 294 MA's), (13, 25167), (16, 25188), (19, 25236), (25, 25299), (28, 25335), (31, 25350), (33, 25374), (37, 25419), (40, 25461), (41, 25464), (42, 25467), (45, 25518), (48, 25566), (52, 25599), (55, 25656), (58, 25707), (68, 25761), (70, 25770), (77, 25818), (84, 25869), (86, 25899), (88, 25914), (96, 26052), (104, 26124), (109, 26184), (113, 26214), (118, 26292), (126, 26337), (134, 26370), (148, 26442), (166, 26535), (173, 26565), (190, 26682), (200, 26736), (206, 26826),

Gene: Fernando_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Fernando_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Findley_28 Start: 23102, Stop: 24793, Start Num: 9
Candidate Starts for Findley_28:
(Start: 9 @23102 has 6 MA's), (16, 23138), (19, 23186), (33, 23327), (38, 23384), (40, 23414), (41, 23417), (45, 23471), (46, 23498), (48, 23519), (52, 23552), (61, 23660), (66, 23702), (70, 23717), (77, 23765), (84, 23816), (88, 23861), (98, 24020), (104, 24059), (112, 24131), (118, 24230), (126, 24278), (145, 24350), (158, 24437), (161, 24446), (175, 24500), (204, 24701),

Gene: Fred313_9 Start: 3878, Stop: 5443, Start Num: 10
Candidate Starts for Fred313_9:
(Start: 10 @3878 has 294 MA's), (19, 3962), (34, 4130), (40, 4211), (42, 4217), (44, 4256), (48, 4316), (84, 4607), (100, 4817), (117, 4982), (126, 5069), (141, 5117), (151, 5165), (173, 5267), (175, 5276), (176, 5291), (184, 5327), (196, 5414),

Gene: Ganymede_31 Start: 24822, Stop: 26477, Start Num: 10
Candidate Starts for Ganymede_31:
(Start: 10 @24822 has 294 MA's), (19, 24903), (23, 24927), (25, 24966), (26, 24984), (31, 25017), (33, 25041), (37, 25086), (40, 25128), (41, 25131), (42, 25134), (45, 25185), (46, 25212), (48, 25233), (52, 25266), (70, 25437), (77, 25485), (84, 25536), (86, 25566), (88, 25581), (96, 25719), (98, 25752), (104, 25791), (109, 25851), (113, 25881), (118, 25959), (126, 26004), (134, 26037), (140, 26058), (148, 26112), (155, 26154), (163, 26199), (200, 26367), (206, 26451),

Gene: Gemma_11 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Gemma_11:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Geraldini_30 Start: 24819, Stop: 26474, Start Num: 10
Candidate Starts for Geraldini_30:
(Start: 10 @24819 has 294 MA's), (19, 24900), (23, 24924), (25, 24963), (26, 24981), (31, 25014), (33, 25038), (37, 25083), (40, 25125), (41, 25128), (42, 25131), (45, 25182), (46, 25209), (48, 25230), (52, 25263), (70, 25434), (77, 25482), (84, 25533), (86, 25563), (88, 25578), (96, 25716), (98, 25749), (104, 25788), (109, 25848), (113, 25878), (118, 25956), (126, 26001), (134, 26034), (140, 26055), (148, 26109), (155, 26151), (163, 26196), (200, 26364), (206, 26448),

Gene: Gex_28 Start: 22830, Stop: 24338, Start Num: 10
Candidate Starts for Gex_28:
(Start: 10 @22830 has 294 MA's), (19, 22914), (28, 23013), (31, 23028), (41, 23142), (42, 23145), (47, 23235), (48, 23244), (52, 23277), (54, 23319), (70, 23454), (73, 23469), (80, 23517), (82, 23541), (88, 23601), (118, 23967), (130, 24033), (138, 24057), (149, 24090), (153, 24105), (174, 24195),

Gene: GingkoMaracino_11 Start: 4283, Stop: 5848, Start Num: 10
Candidate Starts for GingkoMaracino_11:
(Start: 10 @4283 has 294 MA's), (19, 4367), (28, 4490), (42, 4622), (44, 4661), (48, 4721), (52, 4754), (64, 4895), (81, 4988), (84, 5021), (85, 5027), (100, 5231), (105, 5258), (117, 5396), (118, 5435), (126, 5483), (141, 5531), (162, 5636), (170, 5672),

Gene: Giroux_10 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for Giroux_10:
(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: Goose_9 Start: 4143, Stop: 5711, Start Num: 10
Candidate Starts for Goose_9:
(Start: 10 @4143 has 294 MA's), (17, 4218), (26, 4332), (28, 4350), (36, 4425), (42, 4482), (44, 4521), (47, 4572), (49, 4596), (65, 4755), (84, 4872), (98, 5082), (100, 5103), (105, 5130), (114, 5220), (118, 5292), (121, 5307), (125, 5337), (130, 5361), (133, 5373), (158, 5496), (161, 5505), (175, 5562), (188, 5643),

Gene: Goose1D_9 Start: 3425, Stop: 4990, Start Num: 10
Candidate Starts for Goose1D_9:
(Start: 10 @3425 has 294 MA's), (19, 3509), (34, 3677), (40, 3758), (42, 3764), (44, 3803), (48, 3863), (84, 4154), (100, 4364), (117, 4529), (126, 4616), (141, 4664), (151, 4712), (173, 4814), (175, 4823), (176, 4838), (184, 4874), (196, 4961),

Gene: Goose1X_9 Start: 3497, Stop: 5062, Start Num: 10
Candidate Starts for Goose1X_9:
(Start: 10 @3497 has 294 MA's), (19, 3581), (34, 3749), (40, 3830), (42, 3836), (44, 3875), (48, 3935), (84, 4226), (100, 4436), (117, 4601), (126, 4688), (141, 4736), (151, 4784), (173, 4886), (175, 4895), (176, 4910), (184, 4946), (196, 5033),

Gene: Grif_11 Start: 4501, Stop: 6045, Start Num: 10
Candidate Starts for Grif_11:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (31, 4723), (42, 4840), (44, 4879), (48, 4939), (52, 4972), (64, 5107), (77, 5182), (84, 5233), (98, 5404), (99, 5419), (126, 5680), (141, 5728), (147, 5755), (162, 5833), (167, 5857),

Gene: Groupthink_12 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Groupthink_12:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Grub_11 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for Grub_11:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: Grum1_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for Grum1_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (111, 5422), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767),

Gene: GtownJaz_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for GtownJaz_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775),

Gene: Guanica15_30 Start: 24076, Stop: 25722, Start Num: 10
Candidate Starts for Guanica15_30:
(Start: 10 @24076 has 294 MA's), (16, 24109), (19, 24157), (23, 24181), (25, 24220), (26, 24238), (31, 24271), (33, 24295), (40, 24382), (41, 24385), (42, 24388), (45, 24439), (48, 24487), (52, 24517), (70, 24682), (84, 24781), (88, 24826), (96, 24964), (98, 24997), (104, 25036), (109, 25096), (113, 25126), (118, 25204), (126, 25249), (134, 25282), (137, 25291), (155, 25399), (200, 25612), (201, 25615), (206, 25696), (208, 25711),

Gene: Gwennie_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for Gwennie_11:

(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: Hammy_29 Start: 25182, Stop: 26885, Start Num: 10
Candidate Starts for Hammy_29:
(Start: 10 @25182 has 294 MA's), (16, 25218), (19, 25266), (25, 25329), (31, 25380), (33, 25404), (34, 25410), (37, 25449), (40, 25491), (41, 25494), (42, 25497), (45, 25548), (48, 25596), (52, 25629), (70, 25800), (77, 25848), (84, 25899), (88, 25944), (92, 26013), (104, 26154), (109, 26214), (118, 26322), (126, 26367), (134, 26400), (137, 26409), (148, 26472), (166, 26565), (187, 26685), (200, 26778), (206, 26862), (209, 26880),

Gene: Hanako_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Hanako_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: HashRod_12 Start: 4502, Stop: 6046, Start Num: 10
Candidate Starts for HashRod_12:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (52, 4973), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: HaveUMetTed_12 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for HaveUMetTed_12:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (32, 4693), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Heathen_9 Start: 3976, Stop: 5541, Start Num: 10
Candidate Starts for Heathen_9:
(3, 3706), (Start: 10 @3976 has 294 MA's), (19, 4060), (34, 4228), (40, 4309), (42, 4315), (44, 4354), (48, 4414), (84, 4705), (100, 4915), (117, 5080), (126, 5167), (141, 5215), (151, 5263), (173, 5365), (175, 5374), (176, 5389), (184, 5425), (196, 5512),

Gene: HedwigODU_30 Start: 24811, Stop: 26466, Start Num: 10
Candidate Starts for HedwigODU_30:
(Start: 10 @24811 has 294 MA's), (19, 24892), (23, 24916), (25, 24955), (26, 24973), (31, 25006), (33, 25030), (37, 25075), (40, 25117), (41, 25120), (42, 25123), (45, 25174), (46, 25201), (48, 25222), (52, 25255), (70, 25426), (77, 25474), (84, 25525), (86, 25555), (88, 25570), (96, 25708), (98, 25741), (104, 25780), (109, 25840), (113, 25870), (118, 25948), (126, 25993), (134, 26026), (140, 26047), (148, 26101), (155, 26143), (163, 26188), (200, 26356), (206, 26440),

Gene: HelDan_9 Start: 4228, Stop: 5793, Start Num: 10
Candidate Starts for HelDan_9:
(3, 3958), (Start: 10 @4228 has 294 MA's), (19, 4312), (34, 4480), (40, 4561), (42, 4567), (44, 4606), (48, 4666), (84, 4957), (100, 5167), (117, 5332), (126, 5419), (141, 5467), (151, 5515), (173, 5617), (175, 5626), (176, 5641), (184, 5677), (196, 5764),

Gene: Heliosoles_11 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Heliosoles_11:

(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Hercules11_11 Start: 4425, Stop: 5969, Start Num: 10
Candidate Starts for Hercules11_11:
(Start: 10 @4425 has 294 MA's), (19, 4509), (28, 4632), (42, 4764), (44, 4803), (48, 4863), (52, 4896), (64, 5031), (77, 5106), (84, 5157), (98, 5328), (99, 5343), (126, 5604), (141, 5652), (147, 5679), (162, 5757), (167, 5781),

Gene: Homura_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Homura_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Hookmount_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Hookmount_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Hyperbowlee_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Hyperbowlee_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Idleandcovert_9 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for Idleandcovert_9:
(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: Illumine_30 Start: 24824, Stop: 26473, Start Num: 10
Candidate Starts for Illumine_30:
(Start: 10 @24824 has 294 MA's), (22, 24926), (23, 24929), (25, 24968), (31, 25019), (33, 25043), (37, 25088), (40, 25130), (42, 25136), (45, 25187), (46, 25214), (48, 25235), (52, 25268), (68, 25430), (70, 25439), (77, 25487), (84, 25538), (88, 25583), (96, 25721), (98, 25754), (104, 25793), (109, 25853), (113, 25883), (118, 25961), (126, 26006), (134, 26039), (137, 26048), (155, 26156), (200, 26363), (206, 26447), (209, 26468),

Gene: Indlulamithi_31 Start: 28337, Stop: 29908, Start Num: 10
Candidate Starts for Indlulamithi_31:
(Start: 10 @28337 has 294 MA's), (18, 28418), (24, 28460), (27, 28508), (29, 28523), (35, 28580), (44, 28691), (48, 28751), (53, 28793), (55, 28844), (56, 28853), (60, 28895), (70, 28949), (76, 28988), (84, 29048), (88, 29093), (89, 29102), (90, 29141), (91, 29144), (102, 29291), (104, 29294), (110, 29360), (118, 29489), (119, 29495), (120, 29498), (126, 29528), (152, 29633), (171, 29729), (172, 29732), (178, 29762), (179, 29768), (180, 29774),

Gene: Inky_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Inky_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Isca_9 Start: 4047, Stop: 5618, Start Num: 10
Candidate Starts for Isca_9:
(Start: 10 @4047 has 294 MA's), (19, 4131), (34, 4299), (37, 4338), (40, 4380), (42, 4386), (44, 4425), (48, 4485), (84, 4776), (93, 4881), (100, 4986), (105, 5013), (117, 5151), (126, 5238), (141, 5286), (175, 5445), (176, 5460), (184, 5496), (193, 5562),

Gene: JAWS_30 Start: 24796, Stop: 26451, Start Num: 10
Candidate Starts for JAWS_30:
(Start: 10 @24796 has 294 MA's), (19, 24877), (23, 24901), (25, 24940), (26, 24958), (31, 24991), (33, 25015), (37, 25060), (40, 25102), (41, 25105), (42, 25108), (45, 25159), (46, 25186), (48, 25207), (52, 25240), (70, 25411), (77, 25459), (84, 25510), (86, 25540), (88, 25555), (96, 25693), (98, 25726), (104, 25765), (109, 25825), (113, 25855), (118, 25933), (126, 25978), (134, 26011), (140, 26032), (148, 26086), (155, 26128), (163, 26173), (200, 26341), (206, 26425),

Gene: JF2_9 Start: 3814, Stop: 5379, Start Num: 10
Candidate Starts for JF2_9:
(Start: 10 @3814 has 294 MA's), (19, 3898), (33, 4060), (34, 4066), (37, 4105), (40, 4147), (42, 4153), (44, 4192), (48, 4252), (84, 4543), (100, 4753), (105, 4780), (117, 4918), (126, 5005), (141, 5053), (151, 5101), (173, 5203), (175, 5212), (176, 5227), (184, 5263),

Gene: JF4_9 Start: 3814, Stop: 5379, Start Num: 10
Candidate Starts for JF4_9:
(Start: 10 @3814 has 294 MA's), (19, 3898), (33, 4060), (34, 4066), (37, 4105), (40, 4147), (42, 4153), (44, 4192), (48, 4252), (84, 4543), (100, 4753), (105, 4780), (117, 4918), (126, 5005), (141, 5053), (151, 5101), (173, 5203), (175, 5212), (176, 5227), (184, 5263),

Gene: JHC117_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for JHC117_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Jamie19_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Jamie19_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Jarvi_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Jarvi_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811),

(109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Jayhawk_30 Start: 24809, Stop: 26464, Start Num: 10
Candidate Starts for Jayhawk_30:
(Start: 10 @24809 has 294 MA's), (19, 24890), (23, 24914), (25, 24953), (26, 24971), (31, 25004), (33, 25028), (37, 25073), (40, 25115), (41, 25118), (42, 25121), (45, 25172), (46, 25199), (48, 25220), (52, 25253), (70, 25424), (77, 25472), (84, 25523), (86, 25553), (88, 25568), (96, 25706), (98, 25739), (104, 25778), (109, 25838), (113, 25868), (118, 25946), (126, 25991), (134, 26024), (140, 26045), (148, 26099), (155, 26141), (163, 26186), (200, 26354), (206, 26438),

Gene: Jeckyll_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Jeckyll_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: JenCasNa_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for JenCasNa_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: JeppNRM_12 Start: 4451, Stop: 6034, Start Num: 10
Candidate Starts for JeppNRM_12:
(Start: 10 @4451 has 294 MA's), (19, 4535), (20, 4538), (28, 4658), (42, 4790), (44, 4829), (45, 4841), (48, 4889), (64, 5051), (66, 5069), (77, 5126), (84, 5177), (98, 5381), (100, 5402), (108, 5468), (115, 5537), (116, 5549), (126, 5666), (141, 5714), (147, 5741), (162, 5819), (167, 5843),

Gene: Jobu08_11 Start: 4481, Stop: 6031, Start Num: 10
Candidate Starts for Jobu08_11:
(Start: 10 @4481 has 294 MA's), (19, 4565), (28, 4688), (42, 4820), (44, 4859), (45, 4871), (48, 4919), (77, 5168), (84, 5219), (98, 5390), (99, 5405), (111, 5498), (126, 5666), (141, 5714), (147, 5741), (162, 5819), (167, 5843),

Gene: Journey_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Journey_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (45, 23200), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Joy99_30 Start: 24771, Stop: 26426, Start Num: 10
Candidate Starts for Joy99_30:
(Start: 10 @24771 has 294 MA's), (19, 24852), (23, 24876), (25, 24915), (26, 24933), (31, 24966), (33, 24990), (40, 25077), (41, 25080), (42, 25083), (45, 25134), (46, 25161), (48, 25182), (52, 25215), (70, 25386), (77, 25434), (84, 25485), (86, 25515), (88, 25530), (96, 25668), (98, 25701), (104, 25740), (109, 25800), (113, 25830), (118, 25908), (126, 25953), (134, 25986), (140, 26007), (148, 26061), (155, 26103), (163, 26148), (200, 26316), (206, 26400),

Gene: KADY_12 Start: 4502, Stop: 6046, Start Num: 10

Candidate Starts for KADY_12:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (111, 5513), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: Kachowdy_9 Start: 4228, Stop: 5793, Start Num: 10
Candidate Starts for Kachowdy_9:
(3, 3958), (Start: 10 @4228 has 294 MA's), (19, 4312), (34, 4480), (40, 4561), (42, 4567), (44, 4606), (48, 4666), (84, 4957), (100, 5167), (117, 5332), (126, 5419), (141, 5467), (151, 5515), (173, 5617), (175, 5626), (176, 5641), (184, 5677), (196, 5764),

Gene: Kalb97_12 Start: 4451, Stop: 6034, Start Num: 10
Candidate Starts for Kalb97_12:
(Start: 10 @4451 has 294 MA's), (19, 4535), (20, 4538), (28, 4658), (42, 4790), (44, 4829), (45, 4841), (48, 4889), (64, 5051), (66, 5069), (77, 5126), (84, 5177), (98, 5381), (100, 5402), (108, 5468), (115, 5537), (116, 5549), (126, 5666), (141, 5714), (147, 5741), (162, 5819), (167, 5843),

Gene: Kalnoky_12 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Kalnoky_12:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Kheparia_32 Start: 24763, Stop: 26406, Start Num: 10
Candidate Starts for Kheparia_32:
(Start: 10 @24763 has 294 MA's), (16, 24796), (19, 24844), (23, 24868), (25, 24907), (26, 24925), (31, 24958), (33, 24982), (40, 25069), (42, 25075), (48, 25174), (52, 25207), (68, 25369), (70, 25378), (77, 25426), (84, 25477), (88, 25522), (96, 25660), (98, 25693), (104, 25732), (109, 25792), (113, 25822), (118, 25900), (126, 25945), (134, 25978), (148, 26053), (155, 26095), (163, 26140), (200, 26296), (206, 26380),

Gene: Kimona_6 Start: 1977, Stop: 3554, Start Num: 10
Candidate Starts for Kimona_6:
(Start: 10 @1977 has 294 MA's), (42, 2292), (44, 2331), (48, 2391), (62, 2532), (63, 2547), (66, 2568), (84, 2676), (94, 2805), (98, 2865), (100, 2886), (126, 3135), (141, 3183), (166, 3303), (195, 3480),

Gene: Kristoff_10 Start: 4322, Stop: 5884, Start Num: 10
Candidate Starts for Kristoff_10:
(Start: 10 @4322 has 294 MA's), (17, 4397), (26, 4511), (28, 4529), (36, 4604), (42, 4661), (44, 4700), (47, 4751), (49, 4775), (65, 4934), (84, 5051), (100, 5282), (105, 5309), (114, 5399), (118, 5471), (121, 5486), (125, 5516), (130, 5540), (133, 5552), (143, 5579), (158, 5675), (165, 5699), (168, 5717), (182, 5795), (185, 5807),

Gene: LBerry_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for LBerry_11:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: Lambert1_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Lambert1_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118,

5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: LarryKay_11 Start: 4501, Stop: 6048, Start Num: 10
Candidate Starts for LarryKay_11:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (40, 4834), (42, 4840), (44, 4879), (45, 4891), (48, 4939), (52, 4972), (81, 5203), (84, 5236), (98, 5407), (99, 5422), (126, 5683), (141, 5731), (147, 5758), (162, 5836), (167, 5860),

Gene: LastHope_30 Start: 23955, Stop: 25601, Start Num: 10
Candidate Starts for LastHope_30:
(Start: 10 @23955 has 294 MA's), (19, 24036), (23, 24060), (25, 24099), (26, 24117), (31, 24150), (33, 24174), (37, 24219), (40, 24261), (41, 24264), (42, 24267), (43, 24276), (45, 24318), (48, 24366), (50, 24384), (52, 24405), (70, 24570), (77, 24618), (84, 24669), (88, 24714), (95, 24828), (96, 24852), (98, 24885), (104, 24924), (107, 24954), (109, 24984), (113, 25014), (118, 25092), (126, 25137), (134, 25170), (137, 25179), (155, 25287), (200, 25491), (201, 25494), (205, 25527), (206, 25575),

Gene: LaterM_30 Start: 24741, Stop: 26390, Start Num: 10
Candidate Starts for LaterM_30:
(Start: 10 @24741 has 294 MA's), (19, 24822), (22, 24843), (23, 24846), (25, 24885), (31, 24936), (33, 24960), (37, 25005), (40, 25047), (42, 25053), (45, 25104), (46, 25131), (48, 25152), (52, 25185), (68, 25347), (70, 25356), (77, 25404), (84, 25455), (88, 25500), (96, 25638), (98, 25671), (104, 25710), (107, 25740), (109, 25770), (113, 25800), (118, 25878), (126, 25923), (134, 25956), (137, 25965), (155, 26073), (200, 26280), (206, 26364),

Gene: Lavahound_28 Start: 24844, Stop: 26547, Start Num: 10
Candidate Starts for Lavahound_28:
(Start: 10 @24844 has 294 MA's), (13, 24859), (16, 24880), (19, 24928), (25, 24991), (28, 25027), (31, 25042), (33, 25066), (37, 25111), (40, 25153), (41, 25156), (42, 25159), (45, 25210), (48, 25258), (52, 25291), (55, 25348), (58, 25399), (68, 25453), (70, 25462), (77, 25510), (83, 25549), (84, 25561), (86, 25591), (88, 25606), (96, 25744), (104, 25816), (109, 25876), (113, 25906), (118, 25984), (126, 26029), (134, 26062), (144, 26116), (148, 26134), (166, 26227), (173, 26257), (190, 26374), (200, 26428), (206, 26518),

Gene: Leopard_44 Start: 34781, Stop: 36364, Start Num: 10
Candidate Starts for Leopard_44:
(Start: 10 @34781 has 294 MA's), (19, 34865), (20, 34868), (24, 34904), (26, 34946), (28, 34964), (33, 35003), (35, 35024), (39, 35063), (42, 35096), (44, 35135), (48, 35195), (51, 35219), (67, 35378), (70, 35390), (85, 35495), (86, 35519), (90, 35585), (100, 35720), (104, 35738), (118, 35936), (120, 35945), (122, 35954), (126, 35984), (132, 36008), (136, 36020), (146, 36068), (160, 36149), (161, 36152), (169, 36182), (202, 36329),

Gene: Lilith_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for Lilith_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767),

Gene: LindNT_30 Start: 24775, Stop: 26430, Start Num: 10
Candidate Starts for LindNT_30:
(Start: 10 @24775 has 294 MA's), (19, 24856), (23, 24880), (25, 24919), (31, 24970), (33, 24994), (37, 25039), (40, 25081), (42, 25087), (45, 25138), (46, 25165), (48, 25186), (52, 25219), (68, 25381), (70, 25390), (77, 25438), (84, 25489), (88, 25534), (95, 25648), (96, 25672), (98, 25705), (104, 25744), (109, 25804), (113, 25834), (118, 25912), (126, 25957), (134, 25990), (137, 25999), (148, 26065),

(150, 26074), (155, 26107), (163, 26152), (200, 26320), (206, 26404),

Gene: Llorens_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Llorens_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Lokum_30 Start: 24843, Stop: 26498, Start Num: 10
Candidate Starts for Lokum_30:
(Start: 10 @24843 has 294 MA's), (19, 24924), (23, 24948), (25, 24987), (26, 25005), (31, 25038), (33, 25062), (40, 25149), (41, 25152), (42, 25155), (45, 25206), (46, 25233), (48, 25254), (52, 25287), (70, 25458), (77, 25506), (84, 25557), (86, 25587), (88, 25602), (96, 25740), (98, 25773), (104, 25812), (109, 25872), (113, 25902), (118, 25980), (126, 26025), (134, 26058), (140, 26079), (148, 26133), (155, 26175), (163, 26220), (200, 26388), (206, 26472),

Gene: Louie6_11 Start: 4502, Stop: 6049, Start Num: 10
Candidate Starts for Louie6_11:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (126, 5684), (141, 5732), (147, 5759), (162, 5837), (167, 5861),

Gene: Lowa_11 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for Lowa_11:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: LugYA_13 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for LugYA_13:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Lunahalos_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Lunahalos_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: MA5_9 Start: 3787, Stop: 5340, Start Num: 10
Candidate Starts for MA5_9:
(Start: 10 @3787 has 294 MA's), (19, 3871), (34, 4039), (40, 4120), (42, 4126), (44, 4165), (48, 4225), (84, 4504), (100, 4714), (105, 4741), (117, 4879), (126, 4966), (141, 5014), (147, 5041), (170, 5155),

Gene: MK4_9 Start: 4048, Stop: 5613, Start Num: 10
Candidate Starts for MK4_9:
(Start: 10 @4048 has 294 MA's), (19, 4132), (33, 4294), (34, 4300), (37, 4339), (40, 4381), (42, 4387), (44, 4426), (48, 4486), (84, 4777), (100, 4987), (105, 5014), (117, 5152), (126, 5239), (141, 5287),

(151, 5335), (173, 5437), (175, 5446), (176, 5461), (184, 5497),

Gene: MacKat_30 Start: 24819, Stop: 26474, Start Num: 10
Candidate Starts for MacKat_30:
(Start: 10 @24819 has 294 MA's), (19, 24900), (23, 24924), (25, 24963), (26, 24981), (31, 25014), (33, 25038), (37, 25083), (40, 25125), (41, 25128), (42, 25131), (45, 25182), (46, 25209), (48, 25230), (52, 25263), (70, 25434), (77, 25482), (84, 25533), (86, 25563), (88, 25578), (96, 25716), (98, 25749), (104, 25788), (109, 25848), (113, 25878), (118, 25956), (126, 26001), (134, 26034), (140, 26055), (148, 26109), (155, 26151), (163, 26196), (200, 26364), (206, 26448),

Gene: MadMarie_11 Start: 4420, Stop: 5964, Start Num: 10
Candidate Starts for MadMarie_11:
(Start: 10 @4420 has 294 MA's), (19, 4504), (28, 4627), (42, 4759), (44, 4798), (48, 4858), (52, 4891), (64, 5026), (77, 5101), (84, 5152), (98, 5323), (99, 5338), (126, 5599), (141, 5647), (147, 5674), (162, 5752), (167, 5776),

Gene: Magsby_28 Start: 22831, Stop: 24339, Start Num: 10
Candidate Starts for Magsby_28:
(Start: 10 @22831 has 294 MA's), (19, 22915), (28, 23014), (31, 23029), (41, 23143), (42, 23146), (47, 23236), (48, 23245), (52, 23278), (54, 23320), (70, 23455), (73, 23470), (80, 23518), (82, 23542), (88, 23602), (118, 23968), (130, 24034), (138, 24058), (149, 24091), (153, 24106), (174, 24196),

Gene: Mainiac_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for Mainiac_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767), (168, 5773),

Gene: Malinsilva_13 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for Malinsilva_13:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766), (168, 5772),

Gene: Manu_12 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Manu_12:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: MarQuardt_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for MarQuardt_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775),

Gene: Marchesa_9 Start: 4228, Stop: 5793, Start Num: 10
Candidate Starts for Marchesa_9:
(3, 3958), (Start: 10 @4228 has 294 MA's), (19, 4312), (34, 4480), (42, 4567), (44, 4606), (48, 4666), (84, 4957), (100, 5167), (117, 5332), (126, 5419), (141, 5467), (151, 5515), (173, 5617), (175, 5626), (176, 5641), (184, 5677), (196, 5764),

Gene: Marcoliusprime_28 Start: 23083, Stop: 24801, Start Num: 9

Candidate Starts for Marcoliusprime_28:
(Start: 9 @23083 has 6 MA's), (16, 23119), (19, 23167), (33, 23308), (38, 23365), (40, 23395), (41, 23398), (45, 23452), (46, 23479), (48, 23500), (52, 23533), (61, 23641), (66, 23683), (70, 23698), (77, 23746), (84, 23797), (88, 23842), (98, 24001), (104, 24040), (112, 24112), (118, 24211), (126, 24259), (145, 24331), (158, 24418), (161, 24427), (175, 24481), (204, 24709),

Gene: Margo_10 Start: 4515, Stop: 6077, Start Num: 10
Candidate Starts for Margo_10:
(Start: 10 @4515 has 294 MA's), (19, 4599), (37, 4806), (40, 4848), (42, 4854), (44, 4893), (45, 4905), (48, 4953), (52, 4986), (84, 5250), (85, 5256), (100, 5460), (105, 5487), (117, 5625), (118, 5664), (126, 5712), (141, 5760), (147, 5787), (162, 5865),

Gene: Marie_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Marie_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Marius_12 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Marius_12:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Marshawn_31 Start: 24590, Stop: 26275, Start Num: 10
Candidate Starts for Marshawn_31:
(Start: 10 @24590 has 294 MA's), (13, 24605), (16, 24626), (19, 24674), (25, 24737), (31, 24788), (33, 24812), (40, 24899), (41, 24902), (42, 24905), (48, 25004), (52, 25037), (54, 25079), (66, 25193), (70, 25208), (77, 25256), (84, 25307), (88, 25352), (95, 25466), (96, 25490), (98, 25523), (104, 25562), (107, 25592), (113, 25652), (118, 25730), (126, 25775), (139, 25820), (154, 25919), (159, 25958), (161, 25964), (177, 26036), (200, 26162), (205, 26198),

Gene: McMater_30 Start: 24177, Stop: 25853, Start Num: 10
Candidate Starts for McMater_30:
(Start: 10 @24177 has 294 MA's), (16, 24210), (19, 24258), (23, 24282), (25, 24321), (26, 24339), (31, 24372), (33, 24396), (40, 24483), (41, 24486), (42, 24489), (45, 24540), (48, 24588), (50, 24606), (52, 24627), (57, 24726), (68, 24783), (70, 24792), (75, 24828), (77, 24840), (84, 24894), (88, 24939), (96, 25077), (98, 25110), (106, 25173), (109, 25209), (113, 25239), (118, 25317), (126, 25362), (128, 25371), (134, 25395), (136, 25398), (139, 25407), (145, 25455), (159, 25545), (200, 25740), (204, 25773), (206, 25824),

Gene: MeaningOfLife_30 Start: 24778, Stop: 26433, Start Num: 10
Candidate Starts for MeaningOfLife_30:
(Start: 10 @24778 has 294 MA's), (19, 24859), (23, 24883), (25, 24922), (26, 24940), (31, 24973), (33, 24997), (37, 25042), (40, 25084), (41, 25087), (42, 25090), (45, 25141), (46, 25168), (48, 25189), (52, 25222), (70, 25393), (77, 25441), (84, 25492), (86, 25522), (88, 25537), (96, 25675), (98, 25708), (104, 25747), (109, 25807), (113, 25837), (118, 25915), (126, 25960), (134, 25993), (140, 26014), (148, 26068), (155, 26110), (163, 26155), (200, 26323), (206, 26407),

Gene: Megsy_30 Start: 24778, Stop: 26433, Start Num: 10
Candidate Starts for Megsy_30:
(Start: 10 @24778 has 294 MA's), (19, 24859), (23, 24883), (25, 24922), (31, 24973), (33, 24997), (37, 25042), (40, 25084), (45, 25141), (46, 25168), (48, 25189), (52, 25222), (68, 25384), (70, 25393), (77,

25441), (84, 25492), (88, 25537), (95, 25651), (96, 25675), (98, 25708), (104, 25747), (109, 25807), (113, 25837), (118, 25915), (126, 25960), (134, 25993), (137, 26002), (148, 26068), (150, 26077), (155, 26110), (163, 26155), (200, 26323), (206, 26407),

Gene: Melville_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Melville_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Methuselah_11 Start: 4501, Stop: 6045, Start Num: 10
Candidate Starts for Methuselah_11:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (42, 4840), (44, 4879), (48, 4939), (52, 4972), (64, 5107), (77, 5182), (84, 5233), (98, 5404), (99, 5419), (126, 5680), (141, 5728), (147, 5755), (162, 5833), (167, 5857),

Gene: MichelleMyBell_26 Start: 21831, Stop: 23330, Start Num: 10
Candidate Starts for MichelleMyBell_26:
(5, 21672), (Start: 10 @21831 has 294 MA's), (18, 21912), (19, 21915), (31, 22029), (42, 22146), (45, 22197), (47, 22236), (48, 22245), (52, 22278), (54, 22320), (70, 22449), (73, 22464), (74, 22479), (80, 22512), (82, 22536), (87, 22587), (88, 22596), (114, 22875), (118, 22962), (129, 23019), (130, 23025), (138, 23049), (149, 23082), (153, 23097), (174, 23187),

Gene: Microwolf_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for Microwolf_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775),

Gene: Milly_28 Start: 23083, Stop: 24774, Start Num: 9
Candidate Starts for Milly_28:
(Start: 9 @23083 has 6 MA's), (16, 23119), (19, 23167), (33, 23308), (38, 23365), (40, 23395), (41, 23398), (45, 23452), (46, 23479), (48, 23500), (52, 23533), (61, 23641), (66, 23683), (70, 23698), (72, 23710), (77, 23746), (84, 23797), (88, 23842), (98, 24001), (104, 24040), (108, 24088), (112, 24112), (118, 24211), (126, 24259), (145, 24331), (187, 24547), (203, 24679), (204, 24682),

Gene: Misomonster_13 Start: 4501, Stop: 6045, Start Num: 10
Candidate Starts for Misomonster_13:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (31, 4723), (40, 4834), (42, 4840), (44, 4879), (45, 4891), (48, 4939), (64, 5107), (77, 5182), (84, 5233), (98, 5404), (99, 5419), (111, 5512), (126, 5680), (141, 5728), (147, 5755), (162, 5833), (167, 5857),

Gene: MoneyMay_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for MoneyMay_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Montavir_10 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for Montavir_10:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: MuchMore_13 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for MuchMore_13:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: Murucutumbu_30 Start: 24760, Stop: 26409, Start Num: 10
Candidate Starts for Murucutumbu_30:
(Start: 10 @24760 has 294 MA's), (12, 24769), (19, 24841), (22, 24862), (23, 24865), (25, 24904), (31, 24955), (33, 24979), (37, 25024), (40, 25066), (42, 25072), (45, 25123), (46, 25150), (48, 25171), (52, 25204), (68, 25366), (70, 25375), (77, 25423), (84, 25474), (88, 25519), (96, 25657), (98, 25690), (104, 25729), (109, 25789), (113, 25819), (118, 25897), (126, 25942), (134, 25975), (137, 25984), (155, 26092), (200, 26299), (206, 26383),

Gene: Mynx_30 Start: 24825, Stop: 26480, Start Num: 10
Candidate Starts for Mynx_30:
(Start: 10 @24825 has 294 MA's), (19, 24906), (23, 24930), (25, 24969), (26, 24987), (31, 25020), (33, 25044), (37, 25089), (40, 25131), (41, 25134), (42, 25137), (45, 25188), (46, 25215), (48, 25236), (52, 25269), (70, 25440), (77, 25488), (84, 25539), (86, 25569), (88, 25584), (96, 25722), (98, 25755), (104, 25794), (109, 25854), (113, 25884), (118, 25962), (126, 26007), (134, 26040), (140, 26061), (148, 26115), (155, 26157), (163, 26202), (200, 26370), (206, 26454),

Gene: Nenae_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Nenae_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Niklas_30 Start: 24180, Stop: 25856, Start Num: 10
Candidate Starts for Niklas_30:
(Start: 10 @24180 has 294 MA's), (16, 24213), (19, 24261), (23, 24285), (25, 24324), (26, 24342), (31, 24375), (33, 24399), (40, 24486), (41, 24489), (42, 24492), (45, 24543), (48, 24591), (50, 24609), (52, 24630), (57, 24729), (68, 24786), (70, 24795), (75, 24831), (77, 24843), (84, 24897), (88, 24942), (96, 25080), (98, 25113), (106, 25176), (109, 25212), (113, 25242), (118, 25320), (126, 25365), (128, 25374), (134, 25398), (136, 25401), (139, 25410), (145, 25458), (159, 25548), (200, 25743), (204, 25776), (206, 25827),

Gene: Noella_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Noella_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Norbert_9 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Norbert_9:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: November_28 Start: 25117, Stop: 26811, Start Num: 10
Candidate Starts for November_28:

(Start: 10 @25117 has 294 MA's), (16, 25153), (19, 25201), (25, 25264), (31, 25315), (33, 25339), (34, 25345), (37, 25384), (40, 25426), (41, 25429), (42, 25432), (45, 25483), (48, 25531), (52, 25564), (58, 25672), (70, 25735), (77, 25783), (84, 25834), (88, 25879), (109, 26149), (113, 26179), (118, 26257), (126, 26302), (134, 26335), (148, 26407), (166, 26500), (187, 26620), (190, 26647), (200, 26704), (206, 26788), (209, 26806),

Gene: OKCentral2016_9 Start: 3843, Stop: 5411, Start Num: 10
Candidate Starts for OKCentral2016_9:
(Start: 10 @3843 has 294 MA's), (17, 3918), (18, 3924), (26, 4032), (28, 4050), (36, 4125), (42, 4182), (44, 4221), (47, 4272), (49, 4296), (65, 4455), (84, 4572), (98, 4782), (100, 4803), (105, 4830), (114, 4920), (118, 4992), (121, 5007), (125, 5037), (130, 5061), (133, 5073), (158, 5196), (161, 5205), (175, 5262), (188, 5343),

Gene: OlanP_11 Start: 4633, Stop: 6216, Start Num: 10
Candidate Starts for OlanP_11:
(Start: 10 @4633 has 294 MA's), (19, 4717), (20, 4720), (28, 4840), (42, 4972), (44, 5011), (45, 5023), (48, 5071), (64, 5233), (66, 5251), (77, 5308), (84, 5359), (98, 5563), (100, 5584), (108, 5650), (115, 5719), (116, 5731), (126, 5848), (141, 5896), (147, 5923), (162, 6001), (167, 6025),

Gene: Ollie_11 Start: 4283, Stop: 5833, Start Num: 10
Candidate Starts for Ollie_11:
(Start: 10 @4283 has 294 MA's), (19, 4367), (28, 4490), (42, 4622), (44, 4661), (48, 4721), (52, 4754), (64, 4895), (77, 4970), (84, 5021), (98, 5192), (99, 5207), (126, 5468), (141, 5516), (147, 5543), (162, 5621), (167, 5645),

Gene: Onyinye_45 Start: 34660, Stop: 36243, Start Num: 10
Candidate Starts for Onyinye_45:
(Start: 10 @34660 has 294 MA's), (19, 34744), (20, 34747), (24, 34783), (26, 34825), (28, 34843), (33, 34882), (35, 34903), (39, 34942), (42, 34975), (44, 35014), (48, 35074), (51, 35098), (67, 35257), (70, 35269), (85, 35374), (86, 35398), (90, 35464), (100, 35599), (104, 35617), (118, 35815), (120, 35824), (122, 35833), (126, 35863), (132, 35887), (136, 35899), (146, 35947), (160, 36028), (161, 36031), (169, 36061), (202, 36208),

Gene: P28Green_11 Start: 4417, Stop: 5961, Start Num: 10
Candidate Starts for P28Green_11:
(Start: 10 @4417 has 294 MA's), (19, 4501), (28, 4624), (42, 4756), (44, 4795), (48, 4855), (52, 4888), (64, 5023), (77, 5098), (84, 5149), (98, 5320), (99, 5335), (126, 5596), (141, 5644), (147, 5671), (162, 5749), (167, 5773),

Gene: PGHhamlin_13 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for PGHhamlin_13:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: Padfoot_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Padfoot_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Padpat_30 Start: 24802, Stop: 26457, Start Num: 10
Candidate Starts for Padpat_30:
(Start: 10 @24802 has 294 MA's), (19, 24883), (23, 24907), (25, 24946), (26, 24964), (31, 24997), (33, 25021), (37, 25066), (40, 25108), (41, 25111), (42, 25114), (45, 25165), (46, 25192), (48, 25213), (52, 25246), (70, 25417), (77, 25465), (84, 25516), (86, 25546), (88, 25561), (96, 25699), (98, 25732), (104, 25771), (109, 25831), (113, 25861), (118, 25939), (126, 25984), (134, 26017), (140, 26038), (148, 26092), (155, 26134), (163, 26179), (200, 26347), (206, 26431),

Gene: Panamaxus_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Panamaxus_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Parmesanjohn_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Parmesanjohn_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Pawn_11 Start: 4453, Stop: 6036, Start Num: 10
Candidate Starts for Pawn_11:
(Start: 10 @4453 has 294 MA's), (19, 4537), (20, 4540), (28, 4660), (42, 4792), (44, 4831), (45, 4843), (48, 4891), (64, 5053), (66, 5071), (77, 5128), (84, 5179), (98, 5383), (100, 5404), (108, 5470), (115, 5539), (116, 5551), (126, 5668), (141, 5716), (147, 5743), (162, 5821), (167, 5845),

Gene: Peanam_30 Start: 24177, Stop: 25853, Start Num: 10
Candidate Starts for Peanam_30:
(Start: 10 @24177 has 294 MA's), (16, 24210), (19, 24258), (23, 24282), (25, 24321), (26, 24339), (31, 24372), (33, 24396), (40, 24483), (41, 24486), (42, 24489), (45, 24540), (48, 24588), (50, 24606), (52, 24627), (57, 24726), (68, 24783), (70, 24792), (75, 24828), (77, 24840), (84, 24894), (88, 24939), (96, 25077), (98, 25110), (106, 25173), (109, 25209), (113, 25239), (118, 25317), (126, 25362), (128, 25371), (134, 25395), (136, 25398), (139, 25407), (145, 25455), (159, 25545), (200, 25740), (204, 25773), (206, 25824),

Gene: Peel_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Peel_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Pembroke_11 Start: 4419, Stop: 5963, Start Num: 10
Candidate Starts for Pembroke_11:
(Start: 10 @4419 has 294 MA's), (19, 4503), (28, 4626), (42, 4758), (44, 4797), (48, 4857), (52, 4890), (64, 5025), (77, 5100), (84, 5151), (98, 5322), (99, 5337), (126, 5598), (141, 5646), (147, 5673), (162, 5751), (167, 5775),

Gene: Penny1_11 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for Penny1_11:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147,

5672), (162, 5750), (167, 5774),

Gene: PhancyPhin_25 Start: 21890, Stop: 23389, Start Num: 10
Candidate Starts for PhancyPhin_25:
(Start: 10 @21890 has 294 MA's), (19, 21974), (31, 22088), (42, 22205), (45, 22256), (47, 22295), (48, 22304), (52, 22337), (54, 22379), (70, 22508), (73, 22523), (74, 22538), (80, 22571), (82, 22595), (87, 22646), (88, 22655), (114, 22934), (118, 23021), (129, 23078), (130, 23084), (138, 23108), (149, 23141), (153, 23156), (174, 23246),

Gene: Phantastic_9 Start: 4145, Stop: 5704, Start Num: 10
Candidate Starts for Phantastic_9:
(Start: 10 @4145 has 294 MA's), (19, 4229), (34, 4397), (37, 4436), (40, 4478), (42, 4484), (44, 4523), (48, 4583), (84, 4874), (100, 5084), (117, 5249), (126, 5336), (141, 5384), (162, 5489), (167, 5513), (168, 5519), (173, 5534),

Gene: Philonius_28 Start: 22834, Stop: 24333, Start Num: 10
Candidate Starts for Philonius_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23452), (73, 23467), (74, 23482), (80, 23515), (82, 23539), (88, 23599), (114, 23878), (118, 23965), (129, 24022), (130, 24028), (138, 24052), (149, 24085), (153, 24100), (174, 24190),

Gene: PhishRPhriends_10 Start: 3644, Stop: 5227, Start Num: 10
Candidate Starts for PhishRPhriends_10:
(Start: 10 @3644 has 294 MA's), (19, 3728), (20, 3731), (28, 3851), (42, 3983), (44, 4022), (45, 4034), (48, 4082), (64, 4244), (66, 4262), (77, 4319), (84, 4370), (98, 4574), (100, 4595), (108, 4661), (115, 4730), (116, 4742), (126, 4859), (141, 4907), (147, 4934), (162, 5012), (167, 5036),

Gene: Phlei_6 Start: 6046, Stop: 7533, Start Num: 11
Candidate Starts for Phlei_6:
(11, 6046), (15, 6076), (22, 6148), (24, 6166), (28, 6226), (40, 6352), (42, 6358), (44, 6397), (47, 6448), (48, 6457), (77, 6679), (79, 6691), (84, 6730), (98, 6934), (100, 6955), (104, 6973), (105, 6982), (118, 7144), (126, 7189), (155, 7306), (186, 7450),

Gene: Phloss_25 Start: 22261, Stop: 23769, Start Num: 10
Candidate Starts for Phloss_25:
(Start: 10 @22261 has 294 MA's), (19, 22345), (28, 22444), (31, 22459), (41, 22573), (42, 22576), (47, 22666), (48, 22675), (52, 22708), (54, 22750), (70, 22885), (73, 22900), (80, 22948), (82, 22972), (88, 23032), (118, 23398), (130, 23464), (138, 23488), (149, 23521), (153, 23536), (174, 23626),

Gene: Phoebe_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Phoebe_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: Phoxy_11 Start: 4502, Stop: 6046, Start Num: 10
Candidate Starts for Phoxy_11:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (111, 5513), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: Phranny_12 Start: 4451, Stop: 6034, Start Num: 10

Candidate Starts for Phranny_12:
(Start: 10 @4451 has 294 MA's), (19, 4535), (20, 4538), (28, 4658), (42, 4790), (44, 4829), (45, 4841), (48, 4889), (64, 5051), (66, 5069), (77, 5126), (84, 5177), (98, 5381), (100, 5402), (108, 5468), (115, 5537), (116, 5549), (126, 5666), (141, 5714), (147, 5741), (162, 5819), (167, 5843),

Gene: Phrappuccino_1 Start: 1, Stop: 1641, Start Num: 10
Candidate Starts for Phrappuccino_1:
(Start: 10 @1 has 294 MA's), (15, 34), (18, 82), (19, 85), (29, 211), (40, 334), (41, 337), (42, 340), (43, 349), (45, 391), (48, 439), (52, 472), (57, 571), (70, 634), (73, 649), (80, 697), (82, 721), (88, 781), (103, 952), (123, 1183), (127, 1213), (131, 1234), (135, 1246), (167, 1396), (170, 1408), (175, 1426), (176, 1441), (189, 1513), (192, 1534), (194, 1558), (197, 1579), (199, 1618),

Gene: Piatt_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Piatt_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Pipsqueaks_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Pipsqueaks_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Pisa1_29 Start: 24876, Stop: 26492, Start Num: 10
Candidate Starts for Pisa1_29:
(Start: 10 @24876 has 294 MA's), (16, 24909), (19, 24957), (23, 24981), (25, 25020), (26, 25038), (31, 25071), (33, 25095), (37, 25140), (40, 25182), (41, 25185), (42, 25188), (48, 25287), (52, 25320), (68, 25482), (70, 25491), (77, 25539), (84, 25590), (88, 25635), (96, 25773), (98, 25806), (104, 25845), (109, 25905), (113, 25935), (118, 26013), (126, 26058), (143, 26112), (155, 26196), (166, 26253), (200, 26382), (206, 26466),

Gene: Pisa4_29 Start: 24876, Stop: 26492, Start Num: 10
Candidate Starts for Pisa4_29:
(Start: 10 @24876 has 294 MA's), (16, 24909), (19, 24957), (23, 24981), (25, 25020), (26, 25038), (31, 25071), (33, 25095), (37, 25140), (40, 25182), (41, 25185), (42, 25188), (48, 25287), (52, 25320), (68, 25482), (70, 25491), (77, 25539), (84, 25590), (88, 25635), (96, 25773), (98, 25806), (104, 25845), (109, 25905), (113, 25935), (118, 26013), (126, 26058), (143, 26112), (155, 26196), (166, 26253), (200, 26382), (206, 26466),

Gene: Pistachio_10 Start: 3724, Stop: 5289, Start Num: 10
Candidate Starts for Pistachio_10:
(Start: 10 @3724 has 294 MA's), (19, 3808), (34, 3976), (37, 4015), (40, 4057), (42, 4063), (44, 4102), (48, 4162), (84, 4453), (100, 4663), (105, 4690), (117, 4828), (126, 4915), (141, 4963), (147, 4990), (170, 5104), (175, 5122), (196, 5260),

Gene: Pocahontas_10 Start: 4490, Stop: 6049, Start Num: 10
Candidate Starts for Pocahontas_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5189), (84, 5222), (85, 5228), (100, 5432), (105, 5459), (117, 5597), (118, 5636), (126, 5684), (141, 5732), (147, 5759), (162, 5837),

Gene: Pokerus_29 Start: 24759, Stop: 26414, Start Num: 10
Candidate Starts for Pokerus_29:
(Start: 10 @24759 has 294 MA's), (19, 24840), (23, 24864), (25, 24903), (26, 24921), (31, 24954), (33, 24978), (37, 25023), (40, 25065), (41, 25068), (42, 25071), (45, 25122), (46, 25149), (48, 25170), (52, 25203), (70, 25374), (77, 25422), (84, 25473), (86, 25503), (88, 25518), (96, 25656), (97, 25659), (98, 25689), (104, 25728), (109, 25788), (113, 25818), (118, 25896), (126, 25941), (134, 25974), (140, 25995), (148, 26049), (155, 26091), (163, 26136), (200, 26304), (206, 26388),

Gene: Popcicle_10 Start: 4490, Stop: 6049, Start Num: 10
Candidate Starts for Popcicle_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5189), (84, 5222), (85, 5228), (100, 5432), (105, 5459), (117, 5597), (118, 5636), (126, 5684), (141, 5732), (147, 5759), (162, 5837),

Gene: PotatoSplit_12 Start: 4418, Stop: 5962, Start Num: 10
Candidate Starts for PotatoSplit_12:
(Start: 10 @4418 has 294 MA's), (19, 4502), (28, 4625), (42, 4757), (44, 4796), (48, 4856), (52, 4889), (64, 5024), (77, 5099), (84, 5150), (98, 5321), (99, 5336), (111, 5429), (126, 5597), (141, 5645), (147, 5672), (162, 5750), (167, 5774),

Gene: Prithvi_30 Start: 24775, Stop: 26430, Start Num: 10
Candidate Starts for Prithvi_30:
(Start: 10 @24775 has 294 MA's), (19, 24856), (23, 24880), (25, 24919), (31, 24970), (33, 24994), (37, 25039), (40, 25081), (42, 25087), (45, 25138), (46, 25165), (48, 25186), (52, 25219), (68, 25381), (70, 25390), (77, 25438), (84, 25489), (88, 25534), (95, 25648), (96, 25672), (98, 25705), (104, 25744), (109, 25804), (113, 25834), (118, 25912), (126, 25957), (134, 25990), (137, 25999), (148, 26065), (150, 26074), (155, 26107), (163, 26152), (200, 26320), (206, 26404),

Gene: Puppy_10 Start: 3796, Stop: 5361, Start Num: 10
Candidate Starts for Puppy_10:
(Start: 10 @3796 has 294 MA's), (19, 3880), (34, 4048), (37, 4087), (40, 4129), (42, 4135), (44, 4174), (48, 4234), (84, 4525), (100, 4735), (105, 4762), (117, 4900), (126, 4987), (141, 5035), (147, 5062), (170, 5176), (175, 5194), (196, 5332),

Gene: Purgamenstris_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Purgamenstris_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: PurpleHaze_11 Start: 4452, Stop: 6035, Start Num: 10
Candidate Starts for PurpleHaze_11:
(Start: 10 @4452 has 294 MA's), (19, 4536), (20, 4539), (28, 4659), (42, 4791), (44, 4830), (45, 4842), (48, 4890), (64, 5052), (66, 5070), (77, 5127), (84, 5178), (98, 5382), (100, 5403), (108, 5469), (115, 5538), (116, 5550), (126, 5667), (141, 5715), (147, 5742), (162, 5820), (167, 5844),

Gene: QuincyRose_29 Start: 24822, Stop: 26477, Start Num: 10
Candidate Starts for QuincyRose_29:
(Start: 10 @24822 has 294 MA's), (19, 24903), (23, 24927), (25, 24966), (26, 24984), (31, 25017), (33, 25041), (37, 25086), (40, 25128), (41, 25131), (42, 25134), (45, 25185), (46, 25212), (48, 25233), (52, 25266), (70, 25437), (77, 25485), (84, 25536), (86, 25566), (88, 25581), (96, 25719), (98, 25752), (104,

25791), (109, 25851), (113, 25881), (118, 25959), (126, 26004), (134, 26037), (140, 26058), (148, 26112), (155, 26154), (163, 26199), (200, 26367), (206, 26451),

Gene: QuinnKiro_9 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for QuinnKiro_9:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Ramen_30 Start: 24808, Stop: 26463, Start Num: 10
Candidate Starts for Ramen_30:
(Start: 10 @24808 has 294 MA's), (19, 24889), (23, 24913), (25, 24952), (26, 24970), (31, 25003), (33, 25027), (37, 25072), (40, 25114), (41, 25117), (42, 25120), (45, 25171), (46, 25198), (48, 25219), (52, 25252), (70, 25423), (77, 25471), (84, 25522), (86, 25552), (88, 25567), (96, 25705), (98, 25738), (104, 25777), (109, 25837), (113, 25867), (118, 25945), (126, 25990), (134, 26023), (140, 26044), (148, 26098), (155, 26140), (163, 26185), (200, 26353), (206, 26437),

Gene: Rando14_30 Start: 24227, Stop: 25912, Start Num: 10
Candidate Starts for Rando14_30:
(Start: 10 @24227 has 294 MA's), (12, 24239), (16, 24263), (21, 24329), (23, 24335), (25, 24374), (30, 24419), (33, 24449), (40, 24536), (41, 24539), (42, 24542), (45, 24593), (48, 24641), (52, 24680), (66, 24836), (68, 24842), (70, 24851), (72, 24863), (77, 24899), (80, 24914), (84, 24950), (88, 24995), (98, 25169), (104, 25208), (106, 25232), (109, 25268), (118, 25391), (126, 25436), (128, 25445), (134, 25469), (137, 25478), (155, 25586), (200, 25802), (206, 25886), (207, 25889), (208, 25901),

Gene: Rapunzel97_30 Start: 24809, Stop: 26464, Start Num: 10
Candidate Starts for Rapunzel97_30:
(Start: 10 @24809 has 294 MA's), (19, 24890), (23, 24914), (25, 24953), (26, 24971), (31, 25004), (33, 25028), (37, 25073), (40, 25115), (41, 25118), (42, 25121), (45, 25172), (46, 25199), (48, 25220), (52, 25253), (70, 25424), (77, 25472), (84, 25523), (86, 25553), (88, 25568), (96, 25706), (98, 25739), (104, 25778), (109, 25838), (113, 25868), (118, 25946), (126, 25991), (134, 26024), (140, 26045), (148, 26099), (155, 26141), (163, 26186), (200, 26354), (206, 26438),

Gene: Raymond7_25 Start: 22217, Stop: 23719, Start Num: 10
Candidate Starts for Raymond7_25:
(Start: 10 @22217 has 294 MA's), (18, 22298), (19, 22301), (28, 22400), (31, 22415), (41, 22529), (42, 22532), (45, 22583), (47, 22622), (48, 22631), (52, 22664), (54, 22706), (70, 22838), (73, 22853), (74, 22868), (80, 22901), (82, 22925), (87, 22976), (88, 22985), (114, 23264), (118, 23351), (129, 23408), (130, 23414), (138, 23438), (149, 23471), (153, 23486), (174, 23576),

Gene: Reba_12 Start: 4124, Stop: 5707, Start Num: 10
Candidate Starts for Reba_12:
(Start: 10 @4124 has 294 MA's), (19, 4208), (20, 4211), (28, 4331), (42, 4463), (44, 4502), (45, 4514), (48, 4562), (64, 4724), (66, 4742), (77, 4799), (84, 4850), (98, 5054), (100, 5075), (108, 5141), (115, 5210), (116, 5222), (126, 5339), (141, 5387), (147, 5414), (162, 5492), (167, 5516),

Gene: Rebel_25 Start: 21682, Stop: 23181, Start Num: 10
Candidate Starts for Rebel_25:
(Start: 10 @21682 has 294 MA's), (19, 21766), (31, 21880), (42, 21997), (45, 22048), (47, 22087), (48, 22096), (52, 22129), (54, 22171), (70, 22300), (73, 22315), (74, 22330), (80, 22363), (82, 22387), (87, 22438), (88, 22447), (114, 22726), (118, 22813), (129, 22870), (130, 22876), (138, 22900), (149, 22933), (153, 22948), (174, 23038),

Gene: Rebeuca_10 Start: 4323, Stop: 5885, Start Num: 10
Candidate Starts for Rebeuca_10:
(Start: 10 @4323 has 294 MA's), (17, 4398), (26, 4512), (28, 4530), (36, 4605), (42, 4662), (44, 4701), (47, 4752), (49, 4776), (65, 4935), (84, 5052), (100, 5283), (105, 5310), (114, 5400), (118, 5472), (121, 5487), (125, 5517), (130, 5541), (133, 5553), (143, 5580), (158, 5676), (165, 5700), (168, 5718), (182, 5796), (185, 5808),

Gene: Redi_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Redi_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: ResDef_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for ResDef_10:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: RhynO_10 Start: 4286, Stop: 5848, Start Num: 10
Candidate Starts for RhynO_10:
(Start: 10 @4286 has 294 MA's), (17, 4361), (26, 4475), (28, 4493), (36, 4568), (42, 4625), (44, 4664), (47, 4715), (49, 4739), (65, 4898), (84, 5015), (100, 5246), (105, 5273), (114, 5363), (118, 5435), (121, 5450), (125, 5480), (130, 5504), (133, 5516), (143, 5543), (158, 5639), (165, 5663), (168, 5681), (185, 5771),

Gene: Richo_30 Start: 24177, Stop: 25853, Start Num: 10
Candidate Starts for Richo_30:
(Start: 10 @24177 has 294 MA's), (16, 24210), (19, 24258), (23, 24282), (25, 24321), (26, 24339), (31, 24372), (33, 24396), (40, 24483), (41, 24486), (42, 24489), (45, 24540), (48, 24588), (50, 24606), (52, 24627), (57, 24726), (68, 24783), (70, 24792), (75, 24828), (77, 24840), (84, 24894), (88, 24939), (96, 25077), (98, 25110), (106, 25173), (109, 25209), (113, 25239), (118, 25317), (126, 25362), (128, 25371), (134, 25395), (136, 25398), (139, 25407), (145, 25455), (159, 25545), (200, 25740), (204, 25773), (206, 25824),

Gene: Rockstar_9 Start: 4048, Stop: 5613, Start Num: 10
Candidate Starts for Rockstar_9:
(Start: 10 @4048 has 294 MA's), (19, 4132), (33, 4294), (34, 4300), (37, 4339), (40, 4381), (42, 4387), (44, 4426), (48, 4486), (84, 4777), (93, 4882), (100, 4987), (105, 5014), (117, 5152), (126, 5239), (141, 5287), (173, 5437), (175, 5446), (176, 5461), (184, 5497),

Gene: Roimos_9 Start: 4144, Stop: 5709, Start Num: 10
Candidate Starts for Roimos_9:
(Start: 10 @4144 has 294 MA's), (19, 4228), (34, 4396), (40, 4477), (42, 4483), (44, 4522), (48, 4582), (84, 4873), (100, 5083), (117, 5248), (126, 5335), (141, 5383), (151, 5431), (173, 5533), (175, 5542), (176, 5557), (184, 5593), (196, 5680),

Gene: Rosmarinus_30 Start: 24830, Stop: 26485, Start Num: 10
Candidate Starts for Rosmarinus_30:
(Start: 10 @24830 has 294 MA's), (19, 24911), (23, 24935), (25, 24974), (26, 24992), (31, 25025), (33, 25049), (40, 25136), (41, 25139), (42, 25142), (45, 25193), (46, 25220), (48, 25241), (52, 25274), (70, 25445), (77, 25493), (84, 25544), (86, 25574), (88, 25589), (96, 25727), (98, 25760), (104, 25799),

(109, 25859), (113, 25889), (118, 25967), (126, 26012), (134, 26045), (140, 26066), (148, 26120), (155, 26162), (163, 26207), (200, 26375), (206, 26459),

Gene: Rowdy_12 Start: 4197, Stop: 5759, Start Num: 10
Candidate Starts for Rowdy_12:
(Start: 10 @4197 has 294 MA's), (17, 4272), (26, 4386), (28, 4404), (36, 4479), (42, 4536), (44, 4575), (47, 4626), (49, 4650), (65, 4809), (84, 4926), (100, 5157), (105, 5184), (114, 5274), (118, 5346), (121, 5361), (125, 5391), (130, 5415), (133, 5427), (143, 5454), (158, 5550), (165, 5574), (168, 5592), (185, 5682),

Gene: Rummer_11 Start: 4502, Stop: 6046, Start Num: 10
Candidate Starts for Rummer_11:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (52, 4973), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: Sabia_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for Sabia_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767), (168, 5773),

Gene: Sabinator_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Sabinator_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162, 5748), (167, 5772),

Gene: SamuelLPlaqson_30 Start: 24769, Stop: 26385, Start Num: 10
Candidate Starts for SamuelLPlaqson_30:
(Start: 10 @24769 has 294 MA's), (16, 24802), (19, 24850), (23, 24874), (25, 24913), (26, 24931), (31, 24964), (33, 24988), (37, 25033), (40, 25075), (41, 25078), (42, 25081), (48, 25180), (52, 25213), (68, 25375), (70, 25384), (77, 25432), (84, 25483), (88, 25528), (96, 25666), (98, 25699), (104, 25738), (109, 25798), (113, 25828), (118, 25906), (126, 25951), (143, 26005), (155, 26089), (166, 26146), (200, 26275), (203, 26305), (206, 26359),

Gene: SaturnRing_9 Start: 4177, Stop: 5742, Start Num: 10
Candidate Starts for SaturnRing_9:
(Start: 10 @4177 has 294 MA's), (19, 4261), (34, 4429), (37, 4468), (40, 4510), (42, 4516), (44, 4555), (48, 4615), (84, 4906), (100, 5116), (105, 5143), (117, 5281), (126, 5368), (141, 5416), (147, 5443), (170, 5557), (175, 5575), (196, 5713),

Gene: Schnauzer_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Schnauzer_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Scitech_25 Start: 22011, Stop: 23519, Start Num: 10
Candidate Starts for Scitech_25:
(Start: 10 @22011 has 294 MA's), (19, 22095), (31, 22209), (42, 22326), (45, 22377), (47, 22416), (48, 22425), (52, 22458), (54, 22500), (70, 22635), (73, 22650), (80, 22698), (82, 22722), (88, 22782), (118, 23148), (130, 23214), (138, 23238), (149, 23271), (153, 23286), (174, 23376),

Gene: Scout_9 Start: 3470, Stop: 5035, Start Num: 10
Candidate Starts for Scout_9:
(Start: 10 @3470 has 294 MA's), (19, 3554), (34, 3722), (40, 3803), (42, 3809), (44, 3848), (48, 3908), (84, 4199), (100, 4409), (117, 4574), (126, 4661), (141, 4709), (151, 4757), (173, 4859), (175, 4868), (176, 4883), (184, 4919), (196, 5006),

Gene: Settecandela_1 Start: 1, Stop: 1641, Start Num: 10
Candidate Starts for Settecandela_1:
(Start: 10 @1 has 294 MA's), (15, 34), (18, 82), (19, 85), (29, 211), (40, 334), (41, 337), (42, 340), (43, 349), (45, 391), (48, 439), (52, 472), (57, 571), (70, 634), (73, 649), (80, 697), (82, 721), (88, 781), (103, 952), (123, 1183), (127, 1213), (131, 1234), (135, 1246), (167, 1396), (170, 1408), (175, 1426), (176, 1441), (189, 1513), (192, 1534), (194, 1558), (197, 1579), (199, 1618),

Gene: Shaobing_30 Start: 24177, Stop: 25853, Start Num: 10
Candidate Starts for Shaobing_30:
(Start: 10 @24177 has 294 MA's), (16, 24210), (19, 24258), (23, 24282), (25, 24321), (26, 24339), (31, 24372), (33, 24396), (40, 24483), (41, 24486), (42, 24489), (45, 24540), (48, 24588), (50, 24606), (52, 24627), (57, 24726), (68, 24783), (70, 24792), (75, 24828), (77, 24840), (84, 24894), (88, 24939), (96, 25077), (98, 25110), (106, 25173), (109, 25209), (113, 25239), (118, 25317), (126, 25362), (128, 25371), (134, 25395), (136, 25398), (139, 25407), (145, 25455), (159, 25545), (200, 25740), (204, 25773), (206, 25824),

Gene: Shapes_12 Start: 4197, Stop: 5759, Start Num: 10
Candidate Starts for Shapes_12:
(Start: 10 @4197 has 294 MA's), (17, 4272), (26, 4386), (28, 4404), (36, 4479), (42, 4536), (44, 4575), (47, 4626), (49, 4650), (65, 4809), (84, 4926), (100, 5157), (105, 5184), (114, 5274), (118, 5346), (121, 5361), (125, 5391), (130, 5415), (133, 5427), (143, 5454), (158, 5550), (165, 5574), (168, 5592), (185, 5682),

Gene: Shep_9 Start: 3425, Stop: 4990, Start Num: 10
Candidate Starts for Shep_9:
(Start: 10 @3425 has 294 MA's), (19, 3509), (34, 3677), (40, 3758), (42, 3764), (44, 3803), (48, 3863), (84, 4154), (100, 4364), (117, 4529), (126, 4616), (141, 4664), (151, 4712), (173, 4814), (175, 4823), (176, 4838), (184, 4874), (196, 4961),

Gene: ShiaSurprise_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for ShiaSurprise_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (37, 25106), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: ShrimpFriedEgg_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for ShrimpFriedEgg_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Shweta_25 Start: 22021, Stop: 23520, Start Num: 10
Candidate Starts for Shweta_25:

(Start: 10 @22021 has 294 MA's), (19, 22105), (31, 22219), (42, 22336), (45, 22387), (47, 22426), (48, 22435), (52, 22468), (54, 22510), (70, 22639), (73, 22654), (74, 22669), (80, 22702), (82, 22726), (87, 22777), (88, 22786), (114, 23065), (118, 23152), (129, 23209), (130, 23215), (138, 23239), (149, 23272), (153, 23287), (174, 23377),

Gene: Silvafighter_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Silvafighter_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Silvy_28 Start: 22835, Stop: 24343, Start Num: 10
Candidate Starts for Silvy_28:
(Start: 10 @22835 has 294 MA's), (19, 22919), (28, 23018), (31, 23033), (41, 23147), (42, 23150), (45, 23201), (47, 23240), (48, 23249), (52, 23282), (54, 23324), (70, 23459), (73, 23474), (80, 23522), (82, 23546), (88, 23606), (118, 23972), (130, 24038), (138, 24062), (149, 24095), (153, 24110), (174, 24200),

Gene: Slimphazie_30 Start: 24809, Stop: 26464, Start Num: 10
Candidate Starts for Slimphazie_30:
(Start: 10 @24809 has 294 MA's), (19, 24890), (23, 24914), (25, 24953), (26, 24971), (31, 25004), (33, 25028), (37, 25073), (40, 25115), (41, 25118), (42, 25121), (45, 25172), (46, 25199), (48, 25220), (52, 25253), (70, 25424), (77, 25472), (84, 25523), (86, 25553), (88, 25568), (96, 25706), (98, 25739), (104, 25778), (109, 25838), (113, 25868), (118, 25946), (126, 25991), (134, 26024), (140, 26045), (148, 26099), (155, 26141), (163, 26186), (200, 26354), (206, 26438),

Gene: Smurph_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Smurph_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Snekmaggedon_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Snekmaggedon_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Snickers_11 Start: 4392, Stop: 5936, Start Num: 10
Candidate Starts for Snickers_11:
(Start: 10 @4392 has 294 MA's), (19, 4476), (28, 4599), (42, 4731), (44, 4770), (48, 4830), (52, 4863), (64, 4998), (77, 5073), (84, 5124), (98, 5295), (99, 5310), (126, 5571), (141, 5619), (147, 5646), (162, 5724), (167, 5748),

Gene: SoYo_11 Start: 4329, Stop: 5873, Start Num: 10
Candidate Starts for SoYo_11:
(Start: 10 @4329 has 294 MA's), (19, 4413), (28, 4536), (42, 4668), (44, 4707), (48, 4767), (52, 4800), (64, 4935), (75, 4998), (77, 5010), (84, 5061), (98, 5232), (99, 5247), (126, 5508), (141, 5556), (147, 5583), (162, 5661), (167, 5685),

Gene: SoilDragon_11 Start: 4091, Stop: 5647, Start Num: 10
Candidate Starts for SoilDragon_11:

(Start: 10 @4091 has 294 MA's), (19, 4175), (28, 4298), (42, 4430), (44, 4469), (45, 4481), (48, 4529), (77, 4784), (84, 4835), (98, 5006), (99, 5021), (111, 5114), (126, 5282), (141, 5330), (147, 5357), (162, 5435), (167, 5459),

Gene: Soshari_13 Start: 4501, Stop: 6045, Start Num: 10
Candidate Starts for Soshari_13:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (42, 4840), (44, 4879), (48, 4939), (52, 4972), (64, 5107), (77, 5182), (84, 5233), (98, 5404), (99, 5419), (126, 5680), (141, 5728), (147, 5755), (162, 5833), (167, 5857),

Gene: Spike509_11 Start: 4502, Stop: 6046, Start Num: 10
Candidate Starts for Spike509_11:
(Start: 10 @4502 has 294 MA's), (19, 4586), (28, 4709), (31, 4724), (40, 4835), (42, 4841), (44, 4880), (45, 4892), (48, 4940), (64, 5108), (77, 5183), (84, 5234), (98, 5405), (99, 5420), (111, 5513), (126, 5681), (141, 5729), (147, 5756), (162, 5834), (167, 5858),

Gene: Spinach_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for Spinach_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Spock_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Spock_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: SpongeBob_25 Start: 21893, Stop: 23392, Start Num: 10
Candidate Starts for SpongeBob_25:
(Start: 10 @21893 has 294 MA's), (19, 21977), (31, 22091), (42, 22208), (45, 22259), (47, 22298), (48, 22307), (52, 22340), (54, 22382), (70, 22511), (73, 22526), (74, 22541), (80, 22574), (82, 22598), (87, 22649), (88, 22658), (114, 22937), (118, 23024), (129, 23081), (130, 23087), (138, 23111), (149, 23144), (153, 23159), (174, 23249),

Gene: Stagni_11 Start: 4420, Stop: 5964, Start Num: 10
Candidate Starts for Stagni_11:
(Start: 10 @4420 has 294 MA's), (19, 4504), (28, 4627), (42, 4759), (44, 4798), (48, 4858), (52, 4891), (64, 5026), (77, 5101), (84, 5152), (98, 5323), (99, 5338), (126, 5599), (141, 5647), (147, 5674), (162, 5752), (167, 5776), (168, 5782),

Gene: StepMih_11 Start: 4411, Stop: 5955, Start Num: 10
Candidate Starts for StepMih_11:
(Start: 10 @4411 has 294 MA's), (19, 4495), (28, 4618), (42, 4750), (44, 4789), (48, 4849), (52, 4882), (64, 5017), (77, 5092), (84, 5143), (98, 5314), (99, 5329), (126, 5590), (141, 5638), (147, 5665), (162, 5743), (167, 5767), (168, 5773),

Gene: Stinson_31 Start: 25050, Stop: 26699, Start Num: 10
Candidate Starts for Stinson_31:

(Start: 10 @25050 has 294 MA's), (19, 25131), (22, 25152), (23, 25155), (25, 25194), (31, 25245), (33, 25269), (37, 25314), (40, 25356), (42, 25362), (45, 25413), (46, 25440), (48, 25461), (52, 25494), (68, 25656), (70, 25665), (77, 25713), (84, 25764), (88, 25809), (96, 25947), (98, 25980), (104, 26019), (109, 26079), (113, 26109), (118, 26187), (126, 26232), (134, 26265), (137, 26274), (155, 26382), (200, 26589), (206, 26673),

Gene: Strobilo_28 Start: 23083, Stop: 24774, Start Num: 9
Candidate Starts for Strobilo_28:
(Start: 9 @23083 has 6 MA's), (16, 23119), (19, 23167), (33, 23308), (38, 23365), (40, 23395), (41, 23398), (45, 23452), (46, 23479), (48, 23500), (52, 23533), (61, 23641), (66, 23683), (70, 23698), (77, 23746), (84, 23797), (88, 23842), (98, 24001), (104, 24040), (112, 24112), (118, 24211), (126, 24259), (145, 24331), (158, 24418), (161, 24427), (175, 24481), (204, 24682),

Gene: Sulley_30 Start: 24775, Stop: 26430, Start Num: 10
Candidate Starts for Sulley_30:
(Start: 10 @24775 has 294 MA's), (19, 24856), (23, 24880), (25, 24919), (26, 24937), (33, 24994), (37, 25039), (40, 25081), (41, 25084), (42, 25087), (45, 25138), (46, 25165), (48, 25186), (52, 25219), (70, 25390), (75, 25426), (77, 25438), (84, 25489), (86, 25519), (88, 25534), (96, 25672), (98, 25705), (104, 25744), (109, 25804), (113, 25834), (118, 25912), (126, 25957), (134, 25990), (140, 26011), (148, 26065), (155, 26107), (163, 26152), (200, 26320), (206, 26404),

Gene: TNguyen7_9 Start: 4147, Stop: 5712, Start Num: 10
Candidate Starts for TNguyen7_9:
(Start: 10 @4147 has 294 MA's), (19, 4231), (34, 4399), (40, 4480), (42, 4486), (44, 4525), (48, 4585), (84, 4876), (100, 5086), (105, 5113), (117, 5251), (126, 5338), (141, 5386), (147, 5413), (170, 5527), (175, 5545), (196, 5683),

Gene: Tachez_30 Start: 24771, Stop: 26426, Start Num: 10
Candidate Starts for Tachez_30:
(Start: 10 @24771 has 294 MA's), (19, 24852), (23, 24876), (25, 24915), (26, 24933), (31, 24966), (33, 24990), (37, 25035), (40, 25077), (41, 25080), (42, 25083), (45, 25134), (46, 25161), (48, 25182), (52, 25215), (70, 25386), (77, 25434), (84, 25485), (86, 25515), (88, 25530), (96, 25668), (98, 25701), (104, 25740), (109, 25800), (113, 25830), (118, 25908), (126, 25953), (134, 25986), (140, 26007), (148, 26061), (155, 26103), (163, 26148), (200, 26316), (206, 26400),

Gene: TaiwanKao_31 Start: 24781, Stop: 26430, Start Num: 10
Candidate Starts for TaiwanKao_31:
(Start: 10 @24781 has 294 MA's), (19, 24862), (23, 24886), (25, 24925), (31, 24976), (33, 25000), (37, 25045), (40, 25087), (42, 25093), (45, 25144), (46, 25171), (48, 25192), (52, 25225), (68, 25387), (70, 25396), (77, 25444), (84, 25495), (88, 25540), (95, 25654), (96, 25678), (98, 25711), (104, 25750), (109, 25810), (113, 25840), (118, 25918), (126, 25963), (134, 25996), (137, 26005), (155, 26113), (200, 26320), (206, 26404),

Gene: Tapioca_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Tapioca_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: Taurus_11 Start: 4416, Stop: 5960, Start Num: 10
Candidate Starts for Taurus_11:
(Start: 10 @4416 has 294 MA's), (19, 4500), (28, 4623), (42, 4755), (44, 4794), (48, 4854), (52, 4887), (64, 5022), (77, 5097), (84, 5148), (98, 5319), (99, 5334), (126, 5595), (141, 5643), (147, 5670), (162,

5748), (167, 5772),

Gene: Tessdabest_27 Start: 22831, Stop: 24339, Start Num: 10
Candidate Starts for Tessdabest_27:
(Start: 10 @22831 has 294 MA's), (19, 22915), (28, 23014), (31, 23029), (41, 23143), (42, 23146), (47, 23236), (48, 23245), (52, 23278), (54, 23320), (70, 23455), (73, 23470), (80, 23518), (82, 23542), (88, 23602), (118, 23968), (130, 24034), (138, 24058), (149, 24091), (153, 24106), (174, 24196),

Gene: Texage_9 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Texage_9:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Tiffany_11 Start: 4312, Stop: 5856, Start Num: 10
Candidate Starts for Tiffany_11:
(Start: 10 @4312 has 294 MA's), (19, 4396), (28, 4519), (42, 4651), (44, 4690), (48, 4750), (52, 4783), (64, 4918), (77, 4993), (84, 5044), (98, 5215), (99, 5230), (126, 5491), (141, 5539), (147, 5566), (162, 5644), (167, 5668),

Gene: TingHuaYa_30 Start: 23958, Stop: 25604, Start Num: 10
Candidate Starts for TingHuaYa_30:
(Start: 10 @23958 has 294 MA's), (19, 24039), (23, 24063), (25, 24102), (26, 24120), (31, 24153), (33, 24177), (40, 24264), (41, 24267), (42, 24270), (45, 24321), (48, 24369), (50, 24387), (52, 24408), (70, 24573), (77, 24621), (84, 24672), (88, 24717), (95, 24831), (96, 24855), (98, 24888), (104, 24927), (107, 24957), (109, 24987), (113, 25017), (118, 25095), (126, 25140), (134, 25173), (137, 25182), (155, 25290), (200, 25494), (205, 25530), (206, 25578),

Gene: TiniBug_30 Start: 24766, Stop: 26382, Start Num: 10
Candidate Starts for TiniBug_30:
(Start: 10 @24766 has 294 MA's), (16, 24799), (19, 24847), (23, 24871), (25, 24910), (26, 24928), (31, 24961), (33, 24985), (37, 25030), (40, 25072), (41, 25075), (42, 25078), (48, 25177), (52, 25210), (68, 25372), (70, 25381), (77, 25429), (84, 25480), (88, 25525), (96, 25663), (98, 25696), (104, 25735), (109, 25795), (113, 25825), (118, 25903), (126, 25948), (143, 26002), (155, 26086), (166, 26143), (200, 26272), (203, 26302), (206, 26356),

Gene: TinyPebbles_11 Start: 4501, Stop: 6045, Start Num: 10
Candidate Starts for TinyPebbles_11:
(Start: 10 @4501 has 294 MA's), (19, 4585), (28, 4708), (31, 4723), (40, 4834), (42, 4840), (44, 4879), (45, 4891), (48, 4939), (64, 5107), (77, 5182), (84, 5233), (98, 5404), (99, 5419), (111, 5512), (126, 5680), (141, 5728), (147, 5755), (162, 5833), (167, 5857),

Gene: Tiri_30 Start: 24814, Stop: 26469, Start Num: 10
Candidate Starts for Tiri_30:
(Start: 10 @24814 has 294 MA's), (19, 24895), (23, 24919), (25, 24958), (26, 24976), (31, 25009), (33, 25033), (37, 25078), (40, 25120), (42, 25126), (45, 25177), (46, 25204), (48, 25225), (52, 25258), (70, 25429), (77, 25477), (84, 25528), (86, 25558), (88, 25573), (96, 25711), (98, 25744), (104, 25783), (109, 25843), (113, 25873), (118, 25951), (126, 25996), (134, 26029), (140, 26050), (148, 26104), (155, 26146), (163, 26191), (200, 26359), (206, 26443),

Gene: Todacoro_10 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Todacoro_10:

(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Topanga_9 Start: 4258, Stop: 5820, Start Num: 10
Candidate Starts for Topanga_9:
(Start: 10 @4258 has 294 MA's), (17, 4333), (26, 4447), (28, 4465), (36, 4540), (42, 4597), (44, 4636), (47, 4687), (49, 4711), (65, 4870), (84, 4987), (100, 5218), (105, 5245), (114, 5335), (118, 5407), (121, 5422), (125, 5452), (130, 5476), (133, 5488), (143, 5515), (158, 5611), (165, 5635), (168, 5653), (185, 5743),

Gene: Topper_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Topper_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811), (109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Tortoise12_28 Start: 22834, Stop: 24342, Start Num: 10
Candidate Starts for Tortoise12_28:
(Start: 10 @22834 has 294 MA's), (19, 22918), (28, 23017), (31, 23032), (41, 23146), (42, 23149), (47, 23239), (48, 23248), (52, 23281), (54, 23323), (70, 23458), (73, 23473), (80, 23521), (82, 23545), (88, 23605), (118, 23971), (130, 24037), (138, 24061), (149, 24094), (153, 24109), (174, 24199),

Gene: TreyKay_30 Start: 24775, Stop: 26430, Start Num: 10
Candidate Starts for TreyKay_30:
(Start: 10 @24775 has 294 MA's), (19, 24856), (23, 24880), (25, 24919), (31, 24970), (33, 24994), (37, 25039), (40, 25081), (42, 25087), (45, 25138), (46, 25165), (48, 25186), (52, 25219), (68, 25381), (70, 25390), (77, 25438), (84, 25489), (88, 25534), (95, 25648), (96, 25672), (98, 25705), (104, 25744), (109, 25804), (113, 25834), (118, 25912), (126, 25957), (134, 25990), (137, 25999), (148, 26065), (150, 26074), (155, 26107), (163, 26152), (200, 26320), (206, 26404),

Gene: TruffulaTree_30 Start: 24805, Stop: 26460, Start Num: 10
Candidate Starts for TruffulaTree_30:
(Start: 10 @24805 has 294 MA's), (19, 24886), (23, 24910), (25, 24949), (26, 24967), (31, 25000), (33, 25024), (37, 25069), (40, 25111), (41, 25114), (42, 25117), (45, 25168), (46, 25195), (48, 25216), (52, 25249), (70, 25420), (77, 25468), (84, 25519), (86, 25549), (88, 25564), (96, 25702), (98, 25735), (104, 25774), (109, 25834), (113, 25864), (118, 25942), (126, 25987), (134, 26020), (140, 26041), (148, 26095), (155, 26137), (163, 26182), (200, 26350), (206, 26434),

Gene: Twister_9 Start: 4157, Stop: 5719, Start Num: 10
Candidate Starts for Twister_9:
(Start: 10 @4157 has 294 MA's), (17, 4232), (26, 4346), (28, 4364), (36, 4439), (42, 4496), (44, 4535), (47, 4586), (49, 4610), (65, 4769), (84, 4886), (100, 5117), (105, 5144), (114, 5234), (118, 5306), (121, 5321), (125, 5351), (130, 5375), (133, 5387), (143, 5414), (158, 5510), (165, 5534), (168, 5552), (185, 5642),

Gene: Twitch_30 Start: 24842, Stop: 26497, Start Num: 10
Candidate Starts for Twitch_30:
(Start: 10 @24842 has 294 MA's), (19, 24923), (23, 24947), (25, 24986), (26, 25004), (31, 25037), (33, 25061), (40, 25148), (41, 25151), (42, 25154), (45, 25205), (46, 25232), (48, 25253), (52, 25286), (70, 25457), (77, 25505), (84, 25556), (86, 25586), (88, 25601), (96, 25739), (98, 25772), (104, 25811),

(109, 25871), (113, 25901), (118, 25979), (126, 26024), (134, 26057), (140, 26078), (148, 26132), (155, 26174), (163, 26219), (200, 26387), (206, 26471),

Gene: Urkel_30 Start: 24769, Stop: 26385, Start Num: 10
Candidate Starts for Urkel_30:
(Start: 10 @24769 has 294 MA's), (16, 24802), (19, 24850), (23, 24874), (25, 24913), (26, 24931), (31, 24964), (33, 24988), (37, 25033), (40, 25075), (41, 25078), (42, 25081), (48, 25180), (52, 25213), (68, 25375), (70, 25384), (77, 25432), (84, 25483), (88, 25528), (96, 25666), (98, 25699), (104, 25738), (109, 25798), (113, 25828), (118, 25906), (126, 25951), (143, 26005), (155, 26089), (166, 26146), (200, 26275), (203, 26305), (206, 26359),

Gene: Validus_30 Start: 24115, Stop: 25788, Start Num: 10
Candidate Starts for Validus_30:
(Start: 10 @24115 has 294 MA's), (16, 24148), (19, 24196), (25, 24259), (31, 24310), (33, 24334), (42, 24427), (45, 24478), (48, 24526), (52, 24565), (57, 24664), (68, 24721), (70, 24730), (75, 24766), (77, 24778), (84, 24832), (95, 24991), (98, 25048), (104, 25087), (106, 25111), (109, 25147), (113, 25177), (118, 25255), (126, 25300), (128, 25309), (134, 25333), (145, 25393), (159, 25483), (200, 25678), (205, 25714), (206, 25762),

Gene: Veliki_30 Start: 24845, Stop: 26500, Start Num: 10
Candidate Starts for Veliki_30:
(Start: 10 @24845 has 294 MA's), (19, 24926), (23, 24950), (25, 24989), (26, 25007), (31, 25040), (33, 25064), (37, 25109), (40, 25151), (41, 25154), (42, 25157), (45, 25208), (46, 25235), (48, 25256), (52, 25289), (70, 25460), (77, 25508), (84, 25559), (86, 25589), (88, 25604), (96, 25742), (98, 25775), (104, 25814), (109, 25874), (113, 25904), (118, 25982), (126, 26027), (134, 26060), (140, 26081), (148, 26135), (155, 26177), (163, 26222), (200, 26390), (206, 26474),

Gene: Veracruz_9 Start: 4490, Stop: 6052, Start Num: 10
Candidate Starts for Veracruz_9:
(Start: 10 @4490 has 294 MA's), (19, 4574), (37, 4781), (40, 4823), (42, 4829), (44, 4868), (45, 4880), (48, 4928), (52, 4961), (81, 5192), (84, 5225), (85, 5231), (100, 5435), (105, 5462), (117, 5600), (118, 5639), (126, 5687), (141, 5735), (147, 5762), (162, 5840),

Gene: Vix_11 Start: 4500, Stop: 6044, Start Num: 10
Candidate Starts for Vix_11:
(Start: 10 @4500 has 294 MA's), (19, 4584), (28, 4707), (42, 4839), (44, 4878), (48, 4938), (64, 5106), (77, 5181), (84, 5232), (98, 5403), (99, 5418), (111, 5511), (126, 5679), (141, 5727), (147, 5754), (162, 5832), (167, 5856),

Gene: WalterMcMickey_9 Start: 4157, Stop: 5719, Start Num: 10
Candidate Starts for WalterMcMickey_9:
(Start: 10 @4157 has 294 MA's), (17, 4232), (26, 4346), (28, 4364), (36, 4439), (42, 4496), (44, 4535), (47, 4586), (49, 4610), (65, 4769), (84, 4886), (100, 5117), (105, 5144), (114, 5234), (118, 5306), (121, 5321), (125, 5351), (130, 5375), (133, 5387), (143, 5414), (158, 5510), (165, 5534), (168, 5552), (185, 5642),

Gene: Watson_11 Start: 4410, Stop: 5954, Start Num: 10
Candidate Starts for Watson_11:
(Start: 10 @4410 has 294 MA's), (19, 4494), (28, 4617), (42, 4749), (44, 4788), (48, 4848), (52, 4881), (64, 5016), (77, 5091), (84, 5142), (98, 5313), (99, 5328), (126, 5589), (141, 5637), (147, 5664), (162, 5742), (167, 5766),

Gene: Wooldri_13 Start: 4329, Stop: 5873, Start Num: 10

Candidate Starts for Wooldri_13:
(Start: 10 @4329 has 294 MA's), (19, 4413), (28, 4536), (42, 4668), (44, 4707), (48, 4767), (52, 4800), (64, 4935), (77, 5010), (84, 5061), (98, 5232), (99, 5247), (126, 5508), (141, 5556), (147, 5583), (162, 5661), (167, 5685),

Gene: Xeno_27 Start: 22600, Stop: 24108, Start Num: 10
Candidate Starts for Xeno_27:
(7, 22564), (Start: 10 @22600 has 294 MA's), (18, 22681), (19, 22684), (31, 22798), (33, 22822), (42, 22915), (47, 23005), (48, 23014), (52, 23047), (54, 23089), (70, 23224), (73, 23239), (80, 23287), (82, 23311), (88, 23371), (118, 23737), (130, 23803), (138, 23827), (149, 23860), (153, 23875), (174, 23965),

Gene: Xerxes_28 Start: 22831, Stop: 24339, Start Num: 10
Candidate Starts for Xerxes_28:
(Start: 10 @22831 has 294 MA's), (19, 22915), (28, 23014), (31, 23029), (41, 23143), (42, 23146), (47, 23236), (48, 23245), (52, 23278), (54, 23320), (70, 23455), (73, 23470), (80, 23518), (82, 23542), (88, 23602), (118, 23968), (130, 24034), (138, 24058), (149, 24091), (153, 24106), (174, 24196),

Gene: YoureAdopted_29 Start: 24778, Stop: 26433, Start Num: 10
Candidate Starts for YoureAdopted_29:
(Start: 10 @24778 has 294 MA's), (19, 24859), (23, 24883), (25, 24922), (26, 24940), (31, 24973), (33, 24997), (37, 25042), (40, 25084), (41, 25087), (42, 25090), (45, 25141), (46, 25168), (48, 25189), (52, 25222), (70, 25393), (75, 25429), (77, 25441), (84, 25492), (86, 25522), (88, 25537), (96, 25675), (98, 25708), (104, 25747), (109, 25807), (113, 25837), (118, 25915), (126, 25960), (134, 25993), (140, 26014), (148, 26068), (155, 26110), (163, 26155), (200, 26323), (206, 26407),

Gene: Yuna_31 Start: 24671, Stop: 26323, Start Num: 10
Candidate Starts for Yuna_31:
(1, 24230), (4, 24416), (Start: 10 @24671 has 294 MA's), (16, 24707), (19, 24755), (23, 24779), (25, 24818), (31, 24869), (33, 24893), (41, 24983), (42, 24986), (44, 25025), (45, 25037), (47, 25076), (48, 25085), (52, 25127), (55, 25184), (70, 25298), (75, 25334), (77, 25346), (84, 25397), (88, 25442), (89, 25451), (98, 25613), (104, 25652), (107, 25682), (109, 25712), (113, 25742), (118, 25820), (126, 25865), (156, 26000), (157, 26018), (158, 26024), (163, 26039), (201, 26216), (206, 26297), (208, 26312),

Gene: Yunkel11_30 Start: 24075, Stop: 25721, Start Num: 10
Candidate Starts for Yunkel11_30:
(Start: 10 @24075 has 294 MA's), (16, 24108), (19, 24156), (23, 24180), (25, 24219), (26, 24237), (31, 24270), (33, 24294), (40, 24381), (41, 24384), (42, 24387), (45, 24438), (48, 24486), (52, 24516), (70, 24681), (84, 24780), (88, 24825), (96, 24963), (98, 24996), (104, 25035), (109, 25095), (113, 25125), (118, 25203), (126, 25248), (134, 25281), (137, 25290), (155, 25398), (200, 25611), (201, 25614), (206, 25695), (208, 25710),

Gene: Zabiza_30 Start: 24809, Stop: 26464, Start Num: 10
Candidate Starts for Zabiza_30:
(Start: 10 @24809 has 294 MA's), (19, 24890), (23, 24914), (25, 24953), (26, 24971), (31, 25004), (33, 25028), (37, 25073), (40, 25115), (41, 25118), (42, 25121), (45, 25172), (46, 25199), (48, 25220), (52, 25253), (70, 25424), (77, 25472), (84, 25523), (86, 25553), (88, 25568), (96, 25706), (98, 25739), (104, 25778), (109, 25838), (113, 25868), (118, 25946), (126, 25991), (134, 26024), (140, 26045), (148, 26099), (155, 26141), (163, 26186), (200, 26354), (206, 26438),

Gene: Zarafa_9 Start: 4237, Stop: 5802, Start Num: 10
Candidate Starts for Zarafa_9:

(3, 3967), (Start: 10 @4237 has 294 MA's), (19, 4321), (34, 4489), (40, 4570), (42, 4576), (44, 4615), (48, 4675), (84, 4966), (100, 5176), (117, 5341), (126, 5428), (141, 5476), (151, 5524), (173, 5626), (175, 5635), (176, 5650), (184, 5686), (196, 5773),

Gene: Zavala_30 Start: 24784, Stop: 26439, Start Num: 10
Candidate Starts for Zavala_30:
(Start: 10 @24784 has 294 MA's), (19, 24865), (23, 24889), (25, 24928), (26, 24946), (31, 24979), (33, 25003), (37, 25048), (40, 25090), (41, 25093), (42, 25096), (45, 25147), (46, 25174), (48, 25195), (52, 25228), (70, 25399), (77, 25447), (84, 25498), (86, 25528), (88, 25543), (96, 25681), (98, 25714), (104, 25753), (109, 25813), (113, 25843), (118, 25921), (126, 25966), (134, 25999), (140, 26020), (148, 26074), (155, 26116), (163, 26161), (200, 26329), (206, 26413),

Gene: Zetzy_10 Start: 3977, Stop: 5527, Start Num: 10
Candidate Starts for Zetzy_10:
(Start: 10 @3977 has 294 MA's), (19, 4061), (28, 4184), (42, 4316), (44, 4355), (45, 4367), (48, 4415), (64, 4589), (77, 4664), (84, 4715), (98, 4886), (99, 4901), (126, 5162), (141, 5210), (147, 5237), (162, 5315), (167, 5339),

Gene: ZoeJ_28 Start: 23040, Stop: 24749, Start Num: 10
Candidate Starts for ZoeJ_28:
(Start: 10 @23040 has 294 MA's), (16, 23076), (19, 23124), (23, 23148), (28, 23223), (31, 23238), (33, 23262), (37, 23307), (40, 23349), (41, 23352), (42, 23355), (43, 23364), (45, 23406), (47, 23445), (48, 23454), (52, 23484), (68, 23640), (70, 23649), (84, 23748), (88, 23793), (95, 23907), (96, 23931), (98, 23964), (104, 24003), (109, 24063), (113, 24093), (118, 24171), (126, 24216), (134, 24249), (148, 24321), (166, 24414), (173, 24444), (190, 24561), (203, 24654), (204, 24657),