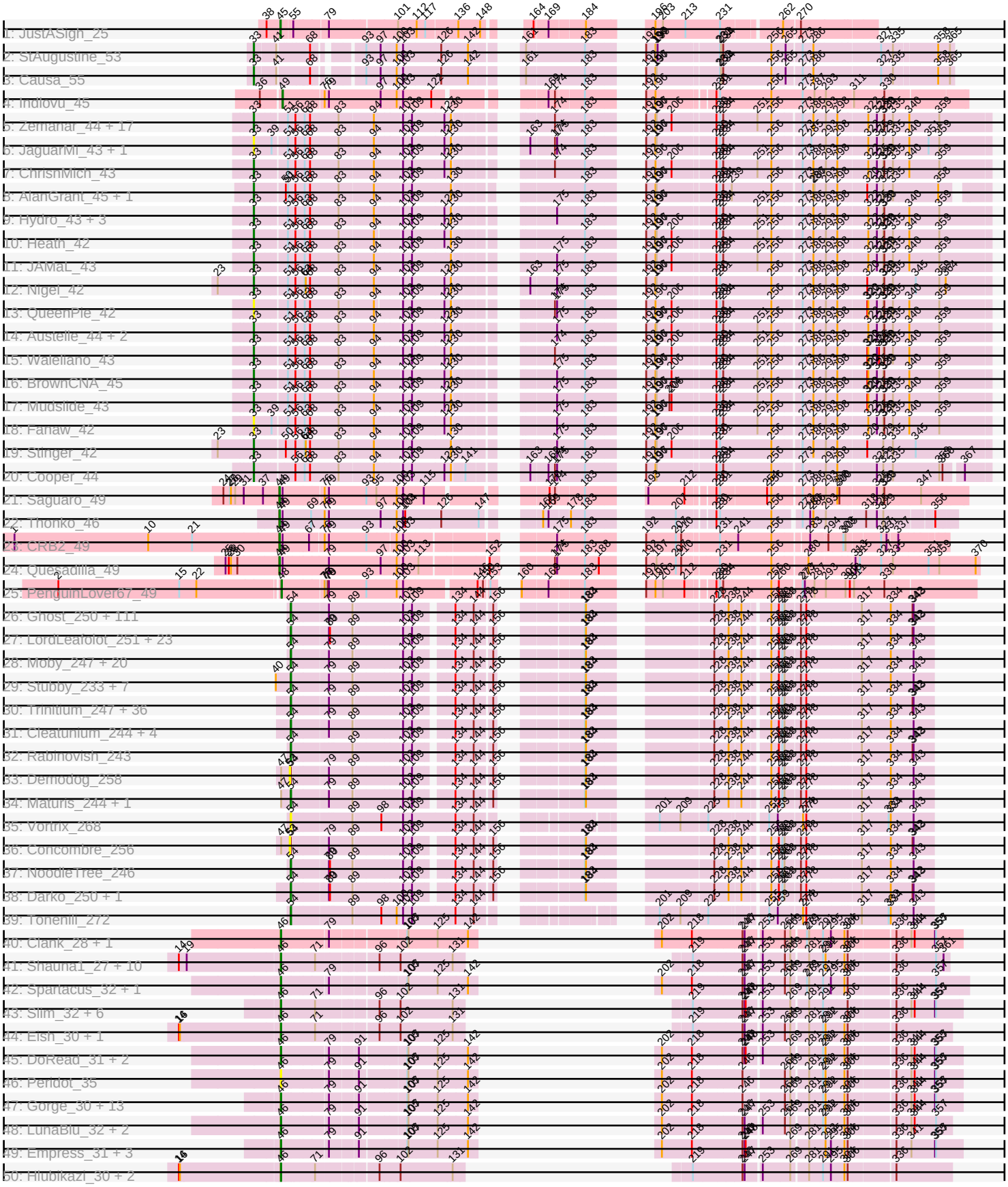
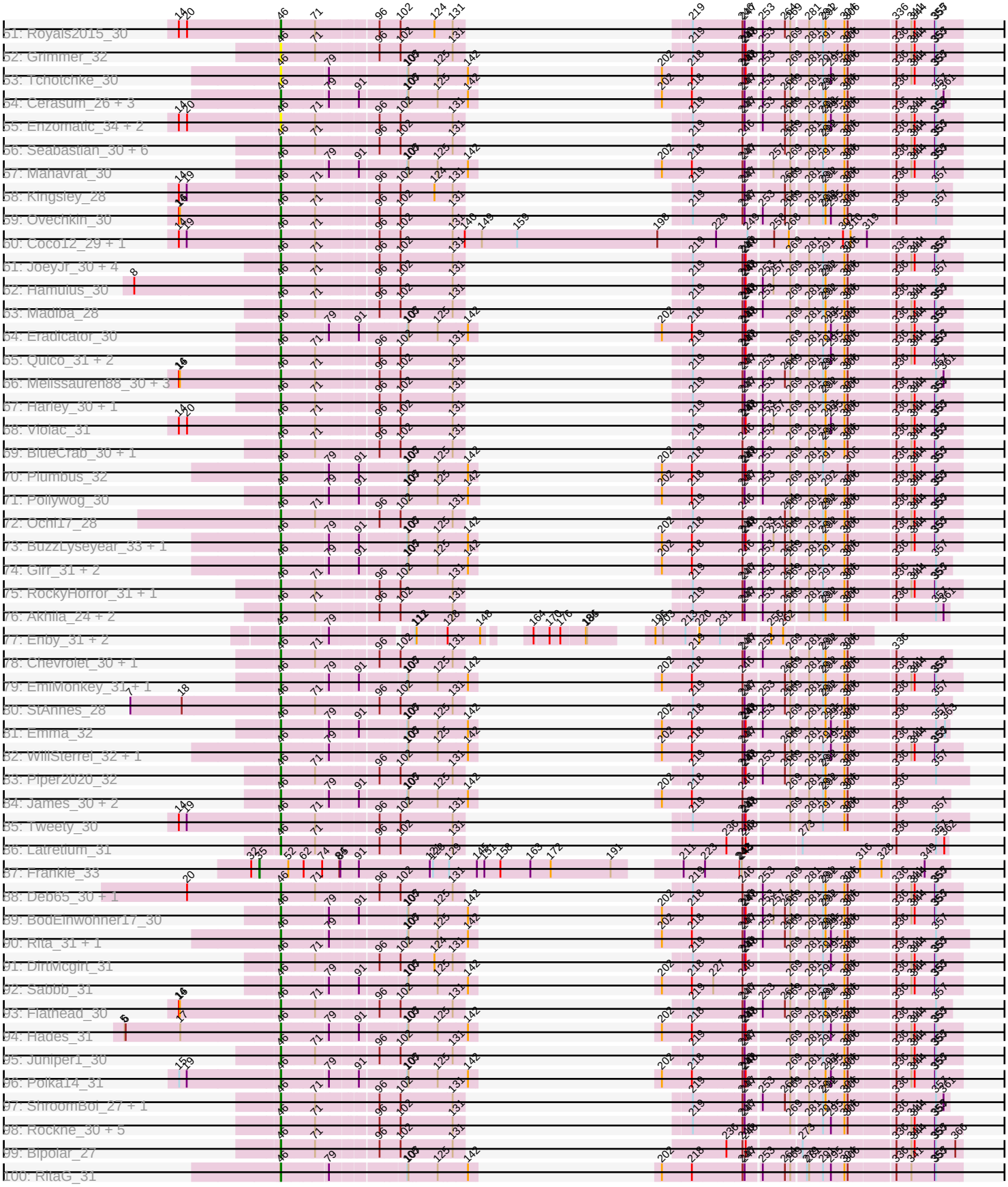
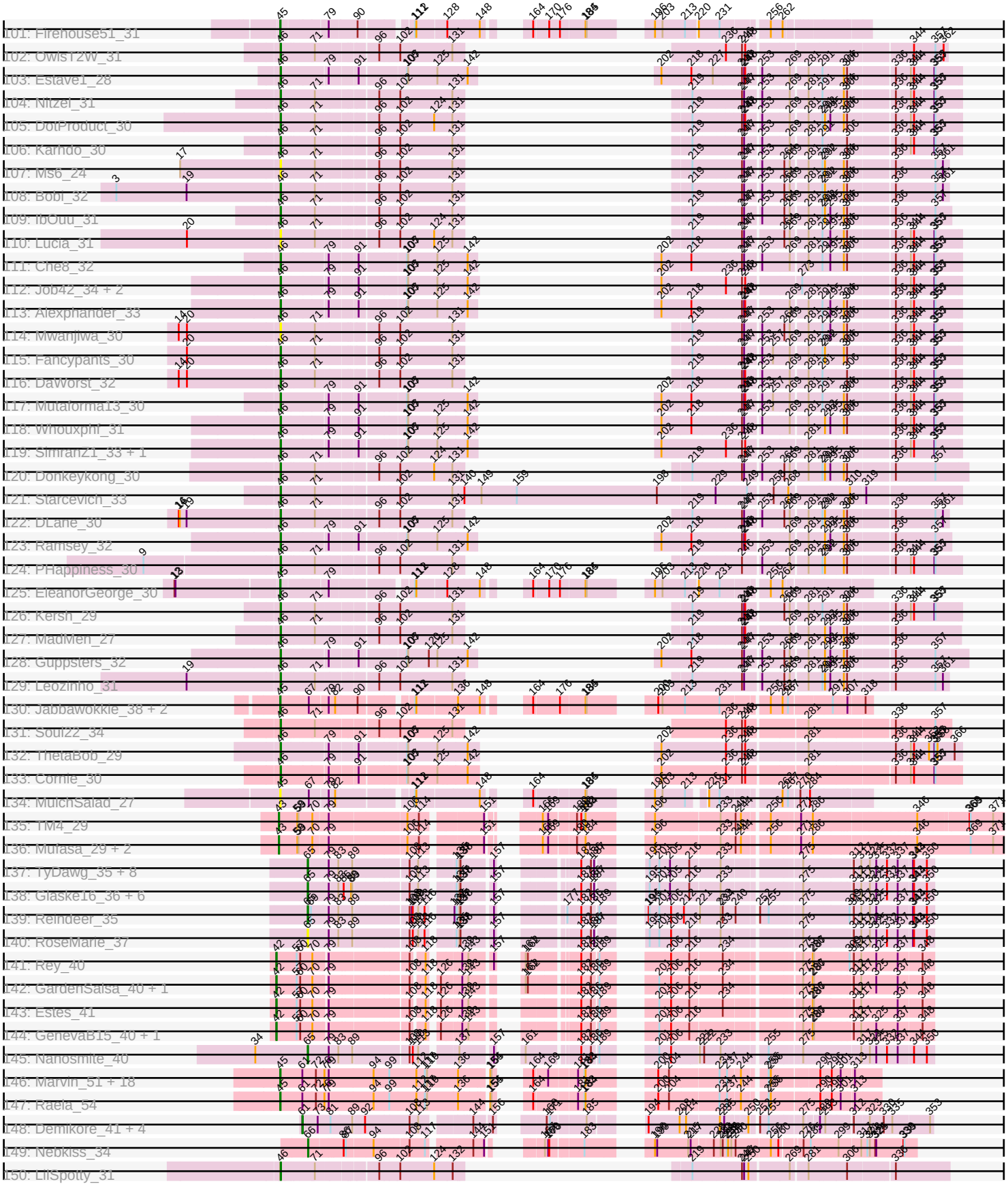
Pham 290697


1: JustASigh_25
2: StAugustine_53
3: Causa_55
4: Indiovu_45
5: Zemanar_44 + 17
6: JaguarMI_43 + 1
7: ChrishMich_43
8: AlanGrant_45 + 1
9: Hydro_43 + 3
10: Heath_42
11: JAMaL_43
12: Nigel_42
13: QueenPie_42
14: Austelle_44 + 2
15: Waleliano_43
16: BrownCNA_45
17: Mudslide_43
18: Fanaw_42
19: Stinger_42
20: Cooper_44
21: Saguaro_49
22: Thonko_46
23: CRB2_49
24: Quesadilla_49
25: PenguinLover67_49
26: Ghost_250 + 111
27: LordLeafolot_251 + 23
28: Moby_247 + 20
29: Stubby_233 + 7
30: Trinitium_247 + 36
31: Cleatunium_244 + 4
32: Rabinovish_243
33: Demodog_258
34: Maturis_244 + 1
35: Vortrix_268
36: Concombre_256
37: NoodleTree_246
38: Darko_250 + 1
39: Tonehill_272
40: Clank_28 + 1
41: Shauna1_27 + 10
42: Spartacus_32 + 1
43: Slim_32 + 6
44: Elsh_30 + 1
45: DoRead_31 + 2
46: Peridot_35
47: Gorge_30 + 13
48: LunaBlu_32 + 2
49: Empress_31 + 3
50: Hlubikazi_30 + 2

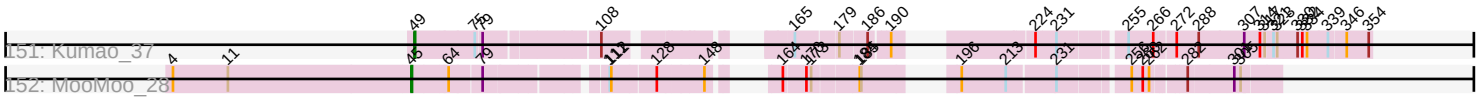
Pham 290697


51: Royals2015_30
52: Grimmer_32
53: Tchotchke_30
54: Cerasum_26 + 3
55: Enzomatic_34 + 2
56: Seabastian_30 + 6
57: Manavrat_30
58: Kingsley_28
59: Ovechkin_30
60: Coco12_29 + 1
61: JoeyJr_30 + 4
62: Hamulus_30
63: Madiba_28
64: Eradicator_30
65: Quico_31 + 2
66: Melissauren88_30 + 3
67: Harley_30 + 1
68: Violac_31
69: BlueCrab_30 + 1
70: Plumbus_32
71: Pollywog_30
72: Ochi17_28
73: BuzzLyseyear_33 + 1
74: Glir_31 + 2
75: RockyHorror_31 + 1
76: Akhila_24 + 2
77: Enby_31 + 2
78: Chevrolet_30 + 1
79: EmilMonkey_31 + 1
80: StAnnes_28
81: Emma_32
82: WillSterrel_32 + 1
83: Piper2020_32
84: James_30 + 2
85: Tweety_30
86: Latretium_31
87: Frankie_33
88: Deb65_30 + 1
89: BodEinwohner17_30
90: Rita_31 + 1
91: DirtMcgirt_31
92: Sabbb_31
93: Flathead_30
94: Hades_31
95: Juniper1_30
96: Polka14_31
97: ShroomBoi_27 + 1
98: Rockne_30 + 5
99: Bipolar_27
100: RitaG_31

Pham 290697



Pham 290697


151: Kumao_37
152: MooMoo_28
4
11
49
64
79
108
128
148
165
179
186
190
196
213
224
231
255
266
272
288
307
339
346
354

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 290697 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290697 has 509 members, 75 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_25
• Track 2 : StAugustine_53
• Track 3 : Causa_55
• Track 4 : Indlovu_45
• Track 5 : Zemanar_44, Lambano_42, Fortunato_44, Epah_42, Nanao_42, GinPorsche_43, Hally898_42, Antihero_42, BobbyK_44, JoyceMaria_43, Magpie_42, Lolalove_44, RawrgerThat_44, Renkei_42, Ahwei_42, Frederick_44, LittleDigger_42, Poster_42
• Track 6 : JaguarMi_43, Xincheng_42
• Track 7 : ChrisnMich_43
• Track 8 : AlanGrant_45, Vincenzo_44
• Track 9 : Hydro_43, VioletZ_45, Prince_43, Apex_44
• Track 10 : Heath_42
• Track 11 : JAMaL_43
• Track 12 : Nigel_42
• Track 13 : QueenPie_42
• Track 14 : Austelle_44, Hangman_43, Mithril_43
• Track 15 : Waleliano_43
• Track 16 : BrownCNA_45
• Track 17 : Mudslide_43
• Track 18 : Fanaw_42
• Track 19 : Stinger_42
• Track 20 : Cooper_44
• Track 21 : Saguaro_49
• Track 22 : Thonko_46
• Track 23 : CRB2_49
• Track 24 : Quesadilla_49
• Track 25 : PenguinLover67_49
• Track 26 : Ghost_250, Pier_249, Pivoine_251, ScottMcG_242, EmmaElysia_255, Naija_251, QBert_242, Roots515_253, Catera_239, LolaVinca_246, Phusco_249, Atlantean_250, Shnickers_249, Sprinklers_248, ChickenPhender_246, MikeLiesIn_251, Cali_240, DirtMonster_239, BackyardAgain_245, InigoMontoya_254, Gamgam_252, Grungle_232, YemiJoy2021_251, Tortoise16_248, ShiaLabeouf_248, Dietrick_239, Momo_252, Quasimodo_253, Kboogie_254, I3_260, Pio_257, ArcherS7_251, Adlitam_250, ParkTD_249, Derek_246, SmallFry_251, Rahel_252, Bipolarisk_248, JustHall_244, Babyland_253, BigCity_258, Caravan_240, NuevoMundo_252, Halldule_242, Littleton_254, Matsumoto_248, Spud_242,

EggyFarm_258, ValleyTerrace_251, BeanWater_243, Spec_244, Ewok_249, DTDevon_251, Drazdys_247, Breeniome_250, LRRHood_242, Melpomini_245, Loanshark_247, Jedediah_252, EasyJones_251, Latch_250, Mangeria_250, Izajani_246, Burrough_251, JigglyPuff_256, NedWong_249, Grasshills_257, Amataga_251, Jaygup_247, DrPhinkDaddy_247, Turret_241, ChaylaJr_249, Capablanca_255, Phlegm_255, Zeenon_251, Megamind_247, Iota_247, Delilah_248, Jemmno_250, Pleione_254, Norm_250, Gabriel_253, Fongie_250, SilverDipper_255, Zalkecks_249, Bangla1971_251, Tyke_247, Bxz1_236, LifeSavor_251, Pupusa_253, Labradorite_247, Koguma_249, Daffodil_256, GlutenPhree_251, Delylah_252, Jezreel_247, YoungMoneyMata_250, Shelob_251, Audrick_253, Wally_248, Napoleon13_247, Ngannou_245, Fludd_250, Ava3_247, Chomp_249, Dessert_247, Phox_251, Rizal_239, Substance289_246, Essence_248, Sauce_247, Willis_251

• Track 27 : LordLeafolot_251, RoMag_245, MoMoMixon_246, Nappy_249, StephanieG_244, Dandelion_256, Bigswole_255, Domi_244, Guwapp_246, Naval22_255, InterFolia_252, Nidhogg_251, BadAgartude_244, IkeLoa_244, LookingGlass_248, Lethe_248, CindyLou_251, Lukilu_239, Tainan_250, Patter_252, Bezza_238, Kamryn_249, FrayBell_253, Mikro_244

• Track 28 : Moby_247, JayJay_250, Jessibeth14_250, Rocha_246, Shaqnato_241, Colt_240, JulietS_239, Montpel_247, Khaleesi_249, Blubba_237, CharlieB_245, Lunareta_247, McWolfish_247, Cane17_239, HyRo_235, Shifa_226, Blackdragon_245, Moiqah_246, DeejaClivia_237, SVoro_245, Sebata_250

• Track 29 : Stubby_233, Pinkcreek_230, Yassified_246, ET08_236, Duckfeet_244, LinStu_247, Alice_236, Ronan_246

• Track 30 : Trinitium_247, Chargie21_248, Yucca_251, Specks_255, FoxtrotP1_249, FudgeTart_246, SrishMeg2525_248, McGee_252, JPickles_248, ZygoTaiga_247, TinyTim_249, Ablatia_250, Gizmo_256, Fixie_251, Morizzled23_248, Janiyra_254, Ading_253, BobaPhatt_243, Cactojaque_245, Teardrop_249, StubbySaigey_257, Blackbrain_249, OrediggerDelux_247, Belieber_244, Lee7_251, ErnieJ_244, Primadonna_246, Maby2021_251, PharkleMinkus_254, Basquiat_248, Bowman_249, Bread_247, Astraea_246, Erdmann_252, Shrimp_253, Salacia_252, EmToTheThree_251

• Track 31 : Cleatunium_244, Bonray_253, Asterius_251, PurduePete_251, Issimir_244

• Track 32 : Rabinovish_243

• Track 33 : Demodog_258

• Track 34 : Maturis_244, Flabslab_245

• Track 35 : Vortrix_268

• Track 36 : Concombre_256

• Track 37 : NoodleTree_246

• Track 38 : Darko_250, BananaFence_248

• Track 39 : Tonenili_272

• Track 40 : Clank_28, Gandalph_31

• Track 41 : Shauna1_27, MilleniumForce_31, Brookers_28, Ardmore_29, DeadP_30, Doomslug_33, Kenuha5_27, Brushbloom_31, Phanphagia_27, Taj_30, Wee_31

• Track 42 : Spartacus_32, Bubbles123_32

• Track 43 : Slim_32, Emmaloid_32, GigiOuiOui_30, Phasih_31, Veteran_30, Mantra_30, GUmbie_30

• Track 44 : Eish_30, Medindi_31

• Track 45 : DoRead_31, LittleShirley_33, Rialto_34

• Track 46 : Peridot_35

• Track 47 : Gorge_30, Cabrinians_30, Saal_30, Spoonbill_30, Sparkdehlily_30, DRBy19_30, FreddyB_30, Totinger_31, Nichirin_31, Radiance_30, OlympiaSaint_30, Philus_30, Priscilla_30, TDanisky_30

• Track 48 : LunaBlu_32, Galactic_31, MinionDave_32
• Track 49 : Empress_31, Sandalphon_31, OldBen_30, Dante_30
• Track 50 : Hlubikazi_30, Mandlovu_30, Strokeseat_30
• Track 51 : Royals2015_30
• Track 52 : Grimmer_32
• Track 53 : Tchotchke_30
• Track 54 : Cerasum_26, Sarma624_26, BigPhil_26, Velveteen_26
• Track 55 : Enzomatic_34, SeaLumen_33, Polo2Bam_34
• Track 56 : Seabastian_30, Jinglebell_29, OfUltron_30, Llama_30, Modragons_30, Oksu_31, AlpineSix_31
• Track 57 : Mahavrat_30
• Track 58 : Kingsley_28
• Track 59 : Ovechkin_30
• Track 60 : Coco12_29, JalFarm20_32
• Track 61 : JoeyJr_30, Poenanya_30, Scottish_31, Doomphist_30, Daenerys_30
• Track 62 : Hamulus_30
• Track 63 : Madiba_28
• Track 64 : Eradicator_30
• Track 65 : Quico_31, Girafales_31, Florinda_30
• Track 66 : Melissauren88_30, Fruitloop_29, Batiatus_30, Filuzino_30
• Track 67 : Harley_30, Ibhubesi_30
• Track 68 : Violac_31
• Track 69 : BlueCrab_30, Nimbo_30
• Track 70 : Plumbus_32
• Track 71 : Pollywog_30
• Track 72 : Ochi17_28
• Track 73 : BuzzLyseyear_33, Spikelee_32
• Track 74 : Girr_31, Ruby_31, MisterCuddles_31
• Track 75 : RockyHorror_31, Zerg_30
• Track 76 : Akhila_24, KingMidas_31, MilanaBonita_24
• Track 77 : Enby_31, SG4_30, Lorde_31
• Track 78 : Chevrolet_30, ArcusAngelus_30
• Track 79 : EmiMonkey_31, PhlipPhlop_31
• Track 80 : StAnnes_28
• Track 81 : Emma_32
• Track 82 : WillSterrel_32, IrishSherpFalk_32
• Track 83 : Piper2020_32
• Track 84 : James_30, Mattes_30, BobaPhett_30
• Track 85 : Tweety_30
• Track 86 : Latretium_31
• Track 87 : Frankie_33
• Track 88 : Deb65_30, Geralt_30
• Track 89 : BodEinwohner17_30
• Track 90 : Rita_31, SuperGrey_31
• Track 91 : DirtMcgirt_31
• Track 92 : Sabbb_31
• Track 93 : Flathead_30
• Track 94 : Hades_31
• Track 95 : Juniper1_30
• Track 96 : Polka14_31
• Track 97 : ShroomBoi_27, Mova_31
• Track 98 : Rockne_30, Phatniss_31, UncleRicky_33, Llij_30, Drago_31, PMC_30
• Track 99 : Bipolar_27

• Track 100 : RitaG_31
• Track 101 : Firehouse51_31
• Track 102 : OwlsT2W_31
• Track 103 : Estave1_28
• Track 104 : Nitzel_31
• Track 105 : DotProduct_30
• Track 106 : Karhdo_30
• Track 107 : Ms6_24
• Track 108 : Bobi_32
• Track 109 : IbOuu_31
• Track 110 : Lucia_31
• Track 111 : Che8_32
• Track 112 : Job42_34, DosHalletts_32, Minnie_32
• Track 113 : Alexphander_33
• Track 114 : Mwanjiwa_30
• Track 115 : Fancypants_30
• Track 116 : DaWorst_32
• Track 117 : Mutaforma13_30
• Track 118 : Whouxphf_31
• Track 119 : SimranZ1_33, Boomer_32
• Track 120 : Donkeykong_30
• Track 121 : Starcevich_33
• Track 122 : DLane_30
• Track 123 : Ramsey_32
• Track 124 : PHappiness_30
• Track 125 : EleanorGeorge_30
• Track 126 : Kersh_29
• Track 127 : MadMen_27
• Track 128 : Guppsters_32
• Track 129 : Leozinho_31
• Track 130 : Jabbawokkie_38, Zapner_37, Demsculpinboyz_35
• Track 131 : Soul22_34
• Track 132 : ThetaBob_29
• Track 133 : Cornie_30
• Track 134 : MulchSalad_27
• Track 135 : TM4_29
• Track 136 : Mufasa_29, BoostSeason_29, Doughnut_29
• Track 137 : TyDawg_35, FreakyGoo_36, Skinny_36, LilhomieP_34, Bongo_35, TpudiCK_36, Bricole_35, IPhane7_35, PegLeg_35
• Track 138 : Glaske16_36, Dulcita_36, Auspice_35, SlimJimmy_34, Diminimus_36, Izel_36, KleverKiS_35
• Track 139 : Reindeer_35
• Track 140 : RoseMarie_37
• Track 141 : Rey_40
• Track 142 : GardenSalsa_40, MrMagoo_40
• Track 143 : Estes_41
• Track 144 : GenevaB15_40, Aziz_40
• Track 145 : Nanosmite_40
• Track 146 : Marvin_51, Poise_54, Beelzebub_58, Pringar_54, Blackbeetle_54, Huphlepuff_56, MosMoris_52, Tesla_52, Clarkson_55, GoongGoong_53, Gattaca_53, Lilbit_53, RedRaider77_53, Corazon_52, JoieB_55, VasuNzinga_54, Caprice_51, FeliMaine_56, LittleLaf_54
• Track 147 : Raela_54

• Track 148 : Demikore_41, Labelle_40, Patience_41, SuperSonics_40, Madruga_39
• Track 149 : Nebkiss_34
• Track 150 : LilSpotty_31
• Track 151 : Kumao_37
• Track 152 : MooMoo_28

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

The start number called the most often in the published annotations is 54, it was called in 180 of the 434 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_250, Ading_253, Adlitam_250, Alice_236, Amataga_251, ArcherS7_251, Asterius_251, Astraea_246, Atlantean_250, Audrick_253, Ava3_247, Babyland_253, BackyardAgain_245, BadAgartude_244, BananaFence_248, Bangla1971_251, Basquiat_248, BeanWater_243, Belieber_244, Bezza_238, BigCity_258, Bigswole_255, Bipolarisk_248, Blackbrain_249, Blackdragon_245, Blubba_237, BobaPhatt_243, Bonray_253, Bowman_249, Bread_247, Breeniome_250, Burrough_251, Bxz1_236, Cactojaque_245, Cali_240, Cane17_239, Capablanca_255, Caravan_240, Catera_239, Chargie21_248, CharlieB_245, ChaylaJr_249, ChickenPhender_246, Chomp_249, CindyLou_251, Cleatunium_244, Colt_240, DTDevon_251, Daffodil_256, Dandelion_256, Darko_250, DeejaClivia_237, Delilah_248, Delylah_252, Derek_246, Dessert_247, Dietrick_239, DirtMonster_239, Domi_244, DrPhinkDaddy_247, Drazdys_247, Duckfeet_244, ET08_236, EasyJones_251, EggyFarm_258, EmToTheThree_251, EmmaElysia_255, Erdmann_252, ErnieJ_244, Essence_248, Ewok_249, Fixie_251, Flabslab_245, Fludd_250, Fongie_250, FoxtrotP1_249, FrayBell_253, FudgeTart_246, Gabriel_253, Gamgam_252, Ghost_250, Gizmo_256, GlutenPhree_251, Grasshills_257, Grungle_232, Guwapp_246, Halldule_242, HyRo_235, I3_260, IkeLoa_244, InigoMontoya_254, InterFolia_252, Iota_247, Issimir_244, Izajani_246, JPickles_248, Janiyra_254, JayJay_250, Jaygup_247, Jedediah_252, Jemmno_250, Jessibeth14_250, Jezreel_247, JigglyPuff_256, JulietS_239, JustHall_244, Kamryn_249, Kboogie_254, Khaleesi_249, Koguma_249, LRRHood_242, Labradorite_247, Latch_250, Lee7_251, Lethe_248, LifeSavor_251, LinStu_247, Littleton_254, Loanshark_247, LolaVinca_246, LookingGlass_248, LordLeafolot_251, Lukilu_239, Lunareta_247, Maby2021_251, Mangeria_250, Matsumoto_248, Maturis_244, McGee_252, McWolfish_247, Megamind_247, Melpomini_245, MikeLiesIn_251, Mikro_244, MoMoMixon_246, Moby_247, Moiqah_246, Momo_252, Montpel_247, Morizzled23_248, Naija_251, Napoleon13_247, Nappy_249, Naval22_255, NedWong_249, Ngannou_245, Nidhogg_251, NoodleTree_246, Norm_250, NuevoMundo_252, OrediggerDelux_247, ParkTD_249, Patter_252, PharkleMinkus_254, Phlegm_255, Phox_251, Phusco_249, Pier_249, Pinkcreek_230, Pio_257, Pivoine_251, Pleione_254, Primadonna_246, Pupusa_253, PurduePete_251, QBert_242, Quasimodo_253, Rabinovish_243, Rahel_252, Rizal_239, RoMag_245, Rocha_246, Ronan_246, Roots515_253, SVoro_245, Salacia_252, Sauce_247, ScottMcG_242, Sebata_250, Shaqnato_241, Shelob_251, ShiaLabeouf_248, Shifa_226, Shnickers_249, Shrimp_253, SilverDipper_255, SmallFry_251, Spec_244, Specks_255, Sprinklers_248, Spud_242, SrishMeg2525_248, StephanieG_244, StubbySaigey_257, Stubby_233, Substance289_246, Tainan_250, Teardrop_249, TinyTim_249, Tonenili_272,

Tortoise16_248, Trinitium_247, Turret_241, Tyke_247, ValleyTerrace_251, Vortrix_268, Wally_248, Willis_251, Yassified_246, YemiJoy2021_251, YoungMoneyMata_250, Yucca_251, Zalkecks_249, Zeenon_251, ZygoTaiga_247,

Genes that have the "Most Annotated" start but do not call it:
• Concombre_256, Demodog_258,

Genes that do not have the "Most Annotated" start:
• Ahwei_42, Akhila_24, AlanGrant_45, Alexphander_33, AlpineSix_31, Antihero_42, Apex_44, ArcusAngelus_30, Ardmore_29, Auspice_35, Austelle_44, Aziz_40, Batiatus_30, Beelzebub_58, BigPhil_26, Bipolar_27, Blackbeetle_54, BlueCrab_30, BobaPhett_30, BobbyK_44, Bobi_32, BodEinwohner17_30, Bongo_35, Boomer_32, BoostSeason_29, Bricole_35, Brookers_28, BrownCNA_45, Brushbloom_31, Bubbles123_32, BuzzLyseyear_33, CRB2_49, Cabrinians_30, Caprice_51, Causa_55, Cerasum_26, Che8_32, Chevrolet_30, ChrisnMich_43, Clank_28, Clarkson_55, Coco12_29, Cooper_44, Corazon_52, Cornie_30, DLane_30, DRBy19_30, DaWorst_32, Daenerys_30, Dante_30, DeadP_30, Deb65_30, Demikore_41, Demsculpinboyz_35, Diminimus_36, DirtMcgirt_31, DoRead_31, Donkeykong_30, Doomphist_30, Doomslug_33, DosHalletts_32, DotProduct_30, Doughnut_29, Drago_31, Dulcita_36, Eish_30, EleanorGeorge_30, EmiMonkey_31, Emma_32, Emmaloid_32, Empress_31, Enby_31, Enzomatic_34, Epah_42, Eradicator_30, Estave1_28, Estes_41, Fanaw_42, Fancypants_30, FeliMaine_56, Filuzino_30, Firehouse51_31, Flathead_30, Florinda_30, Fortunato_44, Frankie_33, FreakyGoo_36, FreddyB_30, Frederick_44, Fruitloop_29, GUmbie_30, Galactic_31, Gandalph_31, GardenSalsa_40, Gattaca_53, GenevaB15_40, Geralt_30, GigiOuiOui_30, GinPorsche_43, Girafales_31, Girr_31, Glaske16_36, GoongGoong_53, Gorge_30, Grimmer_32, Guppsters_32, Hades_31, Hally898_42, Hamulus_30, Hangman_43, Harley_30, Heath_42, Hlubikazi_30, Huphlepuff_56, Hydro_43, IPhane7_35, IbOuu_31, Ibhubesi_30, Indlovu_45, IrishSherpFalk_32, Izel_36, JAMaL_43, Jabbawokkie_38, JaguarMi_43, JalFarm20_32, James_30, Jinglebell_29, Job42_34, JoeyJr_30, JoieB_55, JoyceMaria_43, Juniper1_30, JustASigh_25, Karhdo_30, Kenuha5_27, Kersh_29, KingMidas_31, Kingsley_28, KleverKiS_35, Kumao_37, Labelle_40, Lambano_42, Latretium_31, Leozinho_31, LilSpotty_31, Lilbit_53, LilhomieP_34, LittleDigger_42, LittleLaf_54, LittleShirley_33, Llama_30, Llij_30, Lolalove_44, Lorde_31, Lucia_31, LunaBlu_32, MadMen_27, Madiba_28, Madruga_39, Magpie_42, Mahavrat_30, Mandlovu_30, Mantra_30, Marvin_51, Mattes_30, Medindi_31, Melissauren88_30, MilanaBonita_24, MilleniumForce_31, MinionDave_32, Minnie_32, MisterCuddles_31, Mithril_43, Modragons_30, MooMoo_28, MosMoris_52, Mova_31, MrMagoo_40, Ms6_24, Mudslide_43, Mufasa_29, MulchSalad_27, Mutaforma13_30, Mwanjiwa_30, Nanao_42, Nanosmite_40, Nebkiss_34, Nichirin_31, Nigel_42, Nimbo_30, Nitzel_31, Ochi17_28, OfUltron_30, Oksu_31, OldBen_30, OlympiaSaint_30, Ovechkin_30, OwlsT2W_31, PHappiness_30, PMC_30, Patience_41, PegLeg_35, PenguinLover67_49, Peridot_35, Phanphagia_27, Phasih_31, Phatniss_31, Philus_30, PhlipPhlop_31, Piper2020_32, Plumbus_32, Poenanya_30, Poise_54, Polka14_31, Pollywog_30, Polo2Bam_34, Poster_42, Prince_43, Pringar_54, Priscilla_30, QueenPie_42, Quesadilla_49, Quico_31, Radiance_30, Raela_54, Ramsey_32, RawrgerThat_44, RedRaider77_53, Reindeer_35, Renkei_42, Rey_40, Rialto_34, RitaG_31, Rita_31, Rockne_30, RockyHorror_31, RoseMarie_37, Royals2015_30, Ruby_31, SG4_30, Saal_30, Sabbb_31, Saguaro_49, Sandalphon_31, Sarma624_26, Scottish_31, SeaLumen_33, Seabastian_30, Shauna1_27, ShroomBoi_27, SimranZ1_33, Skinny_36, SlimJimmy_34, Slim_32, Soul22_34, Sparkdehlily_30, Spartacus_32, Spikelee_32, Spoonbill_30, StAnnes_28,

StAugustine_53, Starcevich_33, Stinger_42, Strokeseat_30, SuperGrey_31, SuperSonics_40, TDanisky_30, TM4_29, Taj_30, Tchotchke_30, Tesla_52, ThetaBob_29, Thonko_46, Totinger_31, TpudiCK_36, Tweety_30, TyDawg_35, UncleRicky_33, VasuNzinga_54, Velveteen_26, Veteran_30, Vincenzo_44, Violac_31, VioletZ_45, Waleliano_43, Wee_31, Whouxphf_31, WillSterrel_32, Xincheng_42, Zapner_37, Zemanar_44, Zerg_30,

Summary by start number:

Start 33:
• Found in 42 of 509 (8.3%) of genes in pham
• Manual Annotations of this start: 28 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ahwei_42 (B4), AlanGrant_45 (B4), Antihero_42 (B4), Apex_44 (B4), Austelle_44 (B4), BobbyK_44 (B4), BrownCNA_45 (B4), Causa_55 (AI), ChrisnMich_43 (B4), Cooper_44 (B4), Epah_42 (B4), Fanaw_42 (B4), Fortunato_44 (B4), Frederick_44 (B4), GinPorsche_43 (B4), Hally898_42 (B4), Hangman_43 (B4), Heath_42 (B4), Hydro_43 (B4), JAMaL_43 (B4), JaguarMi_43 (B4), JoyceMaria_43 (B4), Lambano_42 (B4), LittleDigger_42 (B4), Lolalove_44 (B4), Magpie_42 (B4), Mithril_43 (B4), Mudslide_43 (B4), Nanao_42 (B4), Nigel_42 (B4), Poster_42 (B4), Prince_43 (B4), QueenPie_42 (B4), RawrgerThat_44 (B4), Renkei_42 (B4), StAugustine_53 (AI), Stinger_42 (B4), Vincenzo_44 (B4), VioletZ_45 (B4), Waleliano_43 (B4), Xincheng_42 (B4), Zemanar_44 (B4),

Start 35:
• Found in 1 of 509 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankie_33 (F1),

Start 42:
• Found in 6 of 509 (1.2%) of genes in pham
• Manual Annotations of this start: 6 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_40 (M2), Estes_41 (M2), GardenSalsa_40 (M2), GenevaB15_40 (M2), MrMagoo_40 (M2), Rey_40 (M2),

Start 43:
• Found in 4 of 509 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_29 (K2), Doughnut_29 (K2), Mufasa_29 (K2), TM4_29 (K2),

Start 44:
• Found in 4 of 509 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_49 (B9), Quesadilla_49 (B9), Saguaro_49 (B7), Thonko_46 (B8),

Start 45:
• Found in 31 of 509 (6.1%) of genes in pham

• Manual Annotations of this start: 28 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_58 (S), Blackbeetle_54 (S), Caprice_51 (S), Clarkson_55 (S), Corazon_52 (S), Demsculpinboyz_35 (F2), EleanorGeorge_30 (F1), Enby_31 (F1), FeliMaine_56 (S), Firehouse51_31 (F1), Gattaca_53 (S), GoongGoong_53 (S), Huphlepuff_56 (S), Jabbawokkie_38 (F2), JoieB_55 (S), JustASigh_25 (AH), Lilbit_53 (S), LittleLaf_54 (S), Lorde_31 (F1), Marvin_51 (S), MooMoo_28 (singleton), MosMoris_52 (S), MulchSalad_27 (F7), Poise_54 (S), Pringar_54 (S), Raela_54 (S), RedRaider77_53 (S), SG4_30 (F1), Tesla_52 (S), VasuNzinga_54 (S), Zapner_37 (F2),

Start 46:
• Found in 176 of 509 (34.6%) of genes in pham
• Manual Annotations of this start: 160 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akhila_24 (F1), Alexphander_33 (F1), AlpineSix_31 (F1), ArcusAngelus_30 (F1), Ardmore_29 (F1), Batiatus_30 (F1), BigPhil_26 (F1), Bipolar_27 (F1), BlueCrab_30 (F1), BobaPhett_30 (F1), Bobi_32 (F1), BodEinwohner17_30 (F1), Boomer_32 (F1), Brookers_28 (F1), Brushbloom_31 (F1), Bubbles123_32 (F1), BuzzLyseyear_33 (F1), Cabrinians_30 (F1), Cerasum_26 (F1), Che8_32 (F1), Chevrolet_30 (F1), Clank_28 (F), Coco12_29 (F1), Cornie_30 (F5), DLane_30 (F1), DRBy19_30 (F1), DaWorst_32 (F1), Daenerys_30 (F1), Dante_30 (F1), DeadP_30 (F1), Deb65_30 (F1), DirtMcgirt_31 (F1), DoRead_31 (F1), Donkeykong_30 (F1), Doomphist_30 (F1), Doomslug_33 (F), DosHalletts_32 (F1), DotProduct_30 (F1), Drago_31 (F1), Eish_30 (F1), EmiMonkey_31 (F1), Emma_32 (F1), Emmaloid_32 (F1), Empress_31 (F1), Enzomatic_34 (F1), Eradicator_30 (F1), Estave1_28 (F1), Fancypants_30 (F1), Filuzino_30 (F1), Flathead_30 (F1), Florinda_30 (F1), FreddyB_30 (F1), Fruitloop_29 (F1), GUmbie_30 (F1), Galactic_31 (F1), Gandalph_31 (F1), Geralt_30 (F1), GigiOuiOui_30 (F1), Girafales_31 (F1), Girr_31 (F1), Gorge_30 (F1), Grimmer_32 (F1), Guppsters_32 (F1), Hades_31 (F1), Hamulus_30 (F1), Harley_30 (F1), Hlubikazi_30 (F1), IbOuu_31 (F1), Ibhubesi_30 (F1), IrishSherpFalk_32 (F1), JalFarm20_32 (F1), James_30 (F1), Jinglebell_29 (F1), Job42_34 (F1), JoeyJr_30 (F1), Juniper1_30 (F1), Karhdo_30 (F1), Kenuha5_27 (F1), Kersh_29 (F1), KingMidas_31 (F1), Kingsley_28 (F1), Latretium_31 (F1), Leozinho_31 (F1), LilSpotty_31 (singleton), LittleShirley_33 (F1), Llama_30 (F1), Llij_30 (F1), Lucia_31 (F1), LunaBlu_32 (F1), MadMen_27 (F1), Madiba_28 (F1), Mahavrat_30 (F1), Mandlovu_30 (F1), Mantra_30 (F1), Mattes_30 (F1), Medindi_31 (F1), Melissauren88_30 (F1), MilanaBonita_24 (F1), MilleniumForce_31 (F1), MinionDave_32 (F1), Minnie_32 (F1), MisterCuddles_31 (F1), Modragons_30 (F1), Mova_31 (F1), Ms6_24 (F1), Mutaforma13_30 (F1), Mwanjiwa_30 (F1), Nichirin_31 (F1), Nimbo_30 (F1), Nitzel_31 (F1), Ochi17_28 (F1), OfUltron_30 (F1), Oksu_31 (F1), OldBen_30 (F1), OlympiaSaint_30 (F1), Ovechkin_30 (F1), OwlsT2W_31 (F1), PHappiness_30 (F1), PMC_30 (F1), Peridot_35 (F1), Phanphagia_27 (F1), Phasih_31 (F1), Phatniss_31 (F1), Philus_30 (F1), PhlipPhlop_31 (F1), Piper2020_32 (F1), Plumbus_32 (F1), Poenanya_30 (F1), Polka14_31 (F1), Pollywog_30 (F1), Polo2Bam_34 (F1), Priscilla_30 (F1), Quico_31 (F1), Radiance_30 (F1), Ramsey_32 (F1), Rialto_34 (F1), RitaG_31 (F1), Rita_31 (F1), Rockne_30 (F1), RockyHorror_31 (F1), Royals2015_30 (F1), Ruby_31 (F1), Saal_30 (F1), Sabbb_31 (F1), Sandalphon_31 (F1), Sarma624_26 (F1), Scottish_31 (F1), SeaLumen_33 (F1), Seabastian_30 (F1), Shauna1_27 (F1), ShroomBoi_27 (F1), SimranZ1_33 (F1), Slim_32 (F1), Soul22_34 (F2), Sparkdehlily_30 (F1), Spartacus_32 (F1), Spikelee_32 (F1), Spoonbill_30 (F1), StAnnes_28 (F1), Starcevich_33 (F1), Strokeseat_30 (F1), SuperGrey_31 (F1), TDanisky_30 (F1), Taj_30 (F1), Tchotchke_30 (F1),

ThetaBob_29 (F4), Totinger_31 (F1), Tweety_30 (F1), UncleRicky_33 (F1), Velveteen_26 (F1), Veteran_30 (F1), Violac_31 (F1), Wee_31 (F1), Whouxphf_31 (F1), WillSterrel_32 (F1), Zerg_30 (F1),

Start 48:
• Found in 1 of 509 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PenguinLover67_49 (B9),

Start 49:
• Found in 6 of 509 (1.2%) of genes in pham
• Manual Annotations of this start: 2 of 434
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Indlovu_45 (B11), Kumao_37 (singleton),

Start 53:
• Found in 2 of 509 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Concombre_256 (C1), Demodog_258 (C1),

Start 54:
• Found in 217 of 509 (42.6%) of genes in pham
• Manual Annotations of this start: 180 of 434
• Called 99.1% of time when present
• Phage (with cluster) where this start called: Ablatia_250 (C1), Ading_253 (C1), Adlitam_250 (C1), Alice_236 (C1), Amataga_251 (C1), ArcherS7_251 (C1), Asterius_251 (C1), Astraea_246 (C1), Atlantean_250 (C1), Audrick_253 (C1), Ava3_247 (C1), Babyland_253 (C1), BackyardAgain_245 (C1), BadAgartude_244 (C1), BananaFence_248 (C1), Bangla1971_251 (C1), Basquiat_248 (C1), BeanWater_243 (C1), Belieber_244 (C1), Bezza_238 (C1), BigCity_258 (C1), Bigswole_255 (C1), Bipolarisk_248 (C1), Blackbrain_249 (C1), Blackdragon_245 (C1), Blubba_237 (C1), BobaPhatt_243 (C1), Bonray_253 (C1), Bowman_249 (C1), Bread_247 (C1), Breeniome_250 (C1), Burrough_251 (C1), Bxz1_236 (C1), Cactojaque_245 (C1), Cali_240 (C1), Cane17_239 (C1), Capablanca_255 (C1), Caravan_240 (C1), Catera_239 (C1), Chargie21_248 (C1), CharlieB_245 (C1), ChaylaJr_249 (C1), ChickenPhender_246 (C1), Chomp_249 (C1), CindyLou_251 (C1), Cleatunium_244 (C1), Colt_240 (C1), DTDevon_251 (C1), Daffodil_256 (C1), Dandelion_256 (C1), Darko_250 (C1), DeejaClivia_237 (C1), Delilah_248 (C1), Delylah_252 (C1), Derek_246 (C1), Dessert_247 (C1), Dietrick_239 (C1), DirtMonster_239 (C1), Domi_244 (C1), DrPhinkDaddy_247 (C1), Drazdys_247 (C1), Duckfeet_244 (C1), ET08_236 (C1), EasyJones_251 (C1), EggyFarm_258 (C1), EmToTheThree_251 (C1), EmmaElysia_255 (C1), Erdmann_252 (C1), ErnieJ_244 (C1), Essence_248 (C1), Ewok_249 (C1), Fixie_251 (C1), Flabslab_245 (C1), Fludd_250 (C1), Fongie_250 (C1), FoxtrotP1_249 (C1), FrayBell_253 (C1), FudgeTart_246 (C1), Gabriel_253 (C1), Gamgam_252 (C1), Ghost_250 (C1), Gizmo_256 (C1), GlutenPhree_251 (C1), Grasshills_257 (C1), Grungle_232 (C1), Guwapp_246 (C1), Halldule_242 (C1), HyRo_235 (C1), I3_260 (C1), IkeLoa_244 (C1), InigoMontoya_254 (C1), InterFolia_252 (C1), Iota_247 (C1), Issimir_244 (C1), Izajani_246 (C1), JPickles_248 (C1), Janiyra_254 (C1), JayJay_250 (C1),

Jaygup_247 (C1), Jedediah_252 (C1), Jemmno_250 (C1), Jessibeth14_250 (C1), Jezreel_247 (C1), JigglyPuff_256 (C1), JulietS_239 (C1), JustHall_244 (C1), Kamryn_249 (C1), Kboogie_254 (C1), Khaleesi_249 (C1), Koguma_249 (C1), LRRHood_242 (C1), Labradorite_247 (C1), Latch_250 (C1), Lee7_251 (C1), Lethe_248 (C1), LifeSavor_251 (C1), LinStu_247 (C1), Littleton_254 (C1), Loanshark_247 (C1), LolaVinca_246 (C1), LookingGlass_248 (C1), LordLeafolot_251 (C1), Lukilu_239 (C1), Lunareta_247 (C1), Maby2021_251 (C1), Mangeria_250 (C1), Matsumoto_248 (C1), Maturis_244 (C1), McGee_252 (C1), McWolfish_247 (C1), Megamind_247 (C1), Melpomini_245 (C1), MikeLiesIn_251 (C1), Mikro_244 (C1), MoMoMixon_246 (C1), Moby_247 (C1), Moiqah_246 (C1), Momo_252 (C1), Montpel_247 (C1), Morizzled23_248 (C1), Naija_251 (C1), Napoleon13_247 (C1), Nappy_249 (C1), Naval22_255 (C1), NedWong_249 (C1), Ngannou_245 (C1), Nidhogg_251 (C1), NoodleTree_246 (C1), Norm_250 (C1), NuevoMundo_252 (C1), OrediggerDelux_247 (C1), ParkTD_249 (C1), Patter_252 (C1), PharkleMinkus_254 (C1), Phlegm_255 (C1), Phox_251 (C1), Phusco_249 (C1), Pier_249 (C1), Pinkcreek_230 (C1), Pio_257 (C1), Pivoine_251 (C1), Pleione_254 (C1), Primadonna_246 (C1), Pupusa_253 (C1), PurduePete_251 (C1), QBert_242 (C1), Quasimodo_253 (C1), Rabinovish_243 (C1), Rahel_252 (C1), Rizal_239 (C1), RoMag_245 (C1), Rocha_246 (C1), Ronan_246 (C1), Roots515_253 (C1), SVoro_245 (C1), Salacia_252 (C1), Sauce_247 (C1), ScottMcG_242 (C1), Sebata_250 (C1), Shaqnato_241 (C1), Shelob_251 (C1), ShiaLabeouf_248 (C1), Shifa_226 (C1), Shnickers_249 (C1), Shrimp_253 (C1), SilverDipper_255 (C1), SmallFry_251 (C1), Spec_244 (C1), Specks_255 (C1), Sprinklers_248 (C1), Spud_242 (C1), SrishMeg2525_248 (C1), StephanieG_244 (C1), StubbySaigey_257 (C1), Stubby_233 (C1), Substance289_246 (C1), Tainan_250 (C1), Teardrop_249 (C1), TinyTim_249 (C1), Tonenili_272 (C1), Tortoise16_248 (C1), Trinitium_247 (C1), Turret_241 (C1), Tyke_247 (C1), ValleyTerrace_251 (C1), Vortrix_268 (C1), Wally_248 (C1), Willis_251 (C1), Yassified_246 (C1), YemiJoy2021_251 (C1), YoungMoneyMata_250 (C1), Yucca_251 (C1), Zalkecks_249 (C1), Zeenon_251 (C1), ZygoTaiga_247 (C1),

Start 61:
• Found in 25 of 509 (4.9%) of genes in pham
• Manual Annotations of this start: 3 of 434
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Demikore_41 (U), Labelle_40 (U), Madruga_39 (U), Patience_41 (U), SuperSonics_40 (U),

Start 65:
• Found in 19 of 509 (3.7%) of genes in pham
• Manual Annotations of this start: 16 of 434
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_35 (M1), Bongo_35 (M1), Bricole_35 (M1), Diminimus_36 (M1), Dulcita_36 (M1), FreakyGoo_36 (M1), Glaske16_36 (M1), IPhane7_35 (M1), Izel_36 (M1), KleverKiS_35 (M1), LilhomieP_34 (M1), Nanosmite_40 (M3), PegLeg_35 (M1), Reindeer_35 (M1), RoseMarie_37 (M1), Skinny_36 (M1), SlimJimmy_34 (M1), TpudiCK_36 (M1), TyDawg_35 (M1),

Start 66:
• Found in 1 of 509 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 434
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Nebkiss_34 (X),

Summary by clusters:

There are 22 clusters represented in this pham: singleton, M2, K2, M1, M3, B11, C1, F, AI, AH, S, U, X, F1, F2, F4, F5, F7, B4, B7, B8, B9,

Info for manual annotations of cluster AH:
•Start number 45 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AI:
•Start number 33 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B11:
•Start number 49 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B4:
•Start number 33 was manually annotated 26 times for cluster B4.

Info for manual annotations of cluster B7:
•Start number 44 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 44 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 44 was manually annotated 2 times for cluster B9.
•Start number 48 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster C1:
•Start number 54 was manually annotated 180 times for cluster C1.

Info for manual annotations of cluster F1:
•Start number 35 was manually annotated 1 time for cluster F1.
•Start number 45 was manually annotated 5 times for cluster F1.
•Start number 46 was manually annotated 156 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 45 was manually annotated 3 times for cluster F2.
•Start number 46 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F4:
•Start number 46 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:
•Start number 46 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster K2:
•Start number 43 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster M1:

•Start number 65 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 42 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 65 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:
•Start number 45 was manually annotated 18 times for cluster S.

Info for manual annotations of cluster U:
•Start number 61 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster X:
•Start number 66 was manually annotated 1 time for cluster X.

Gene Information:

Gene: Ablatia_250 Start: 142372, Stop: 143802, Start Num: 54
Candidate Starts for Ablatia_250:
(Start: 54 @142372 has 180 MA's), (79, 142462), (89, 142525), (103, 142648), (109, 142672), (134, 142756), (144, 142798), (156, 142840), (183, 143005), (184, 143008), (228, 143263), (238, 143302), (244, 143332), (256, 143395), (260, 143416), (261, 143425), (263, 143428), (270, 143461), (278, 143476), (317, 143611), (334, 143686), (342, 143743), (343, 143746),

Gene: Ading_253 Start: 144805, Stop: 146235, Start Num: 54
Candidate Starts for Ading_253:
(Start: 54 @144805 has 180 MA's), (79, 144895), (89, 144958), (103, 145081), (109, 145105), (134, 145189), (144, 145231), (156, 145273), (183, 145438), (184, 145441), (228, 145696), (238, 145735), (244, 145765), (256, 145828), (260, 145849), (261, 145858), (263, 145861), (270, 145894), (278, 145909), (317, 146044), (334, 146119), (342, 146176), (343, 146179),

Gene: Adlitam_250 Start: 142960, Stop: 144390, Start Num: 54
Candidate Starts for Adlitam_250:
(Start: 54 @142960 has 180 MA's), (79, 143050), (89, 143113), (103, 143236), (109, 143260), (134, 143344), (144, 143386), (156, 143428), (183, 143593), (184, 143596), (228, 143851), (238, 143890), (244, 143920), (256, 143983), (260, 144004), (261, 144013), (263, 144016), (270, 144049), (278, 144064), (317, 144199), (334, 144274), (342, 144331), (343, 144334),

Gene: Ahwei_42 Start: 39523, Stop: 41259, Start Num: 33
Candidate Starts for Ahwei_42:
(Start: 33 @39523 has 28 MA's), (51, 39598), (56, 39616), (63, 39637), (68, 39652), (83, 39724), (94, 39817), (103, 39889), (109, 39913), (127, 40000), (130, 40015), (174, 40198), (183, 40279), (192, 40360), (196, 40384), (197, 40387), (206, 40429), (230, 40540), (231, 40549), (234, 40558), (251, 40654), (256, 40693), (273, 40762), (286, 40786), (293, 40813), (298, 40843), (322, 40921), (325, 40945), (329, 40963), (330, 40966), (335, 40990), (340, 41035), (359, 41119),

Gene: Akhila_24 Start: 22445, Stop: 23599, Start Num: 46
Candidate Starts for Akhila_24:

(Start: 46 @22445 has 160 MA's), (71, 22529), (96, 22679), (102, 22733), (131, 22874), (219, 22955), (246, 23081), (247, 23087), (253, 23126), (264, 23186), (269, 23201), (281, 23243), (291, 23279), (292, 23282), (304, 23333), (306, 23342), (336, 23456), (357, 23567), (361, 23588),

Gene: AlanGrant_45 Start: 41174, Stop: 42871, Start Num: 33
Candidate Starts for AlanGrant_45:
(Start: 33 @41174 has 28 MA's), (50, 41243), (51, 41249), (56, 41267), (63, 41288), (68, 41303), (83, 41375), (94, 41468), (103, 41540), (109, 41564), (130, 41666), (183, 41927), (192, 42008), (196, 42032), (197, 42035), (230, 42188), (231, 42197), (234, 42206), (239, 42230), (256, 42341), (273, 42410), (286, 42434), (287, 42437), (293, 42461), (298, 42491), (320, 42566), (325, 42593), (329, 42611), (335, 42638), (358, 42764),

Gene: Alexphander_33 Start: 27007, Stop: 28281, Start Num: 46
Candidate Starts for Alexphander_33:
(Start: 46 @27007 has 160 MA's), (79, 27127), (91, 27199), (105, 27316), (107, 27319), (125, 27397), (142, 27478), (202, 27520), (218, 27598), (246, 27724), (247, 27730), (248, 27733), (269, 27844), (281, 27886), (291, 27922), (295, 27940), (304, 27976), (306, 27985), (336, 28099), (341, 28141), (344, 28150), (355, 28207), (357, 28210),

Gene: Alice_236 Start: 140036, Stop: 141466, Start Num: 54
Candidate Starts for Alice_236:
(40, 139994), (Start: 54 @140036 has 180 MA's), (79, 140126), (89, 140189), (103, 140312), (109, 140336), (134, 140420), (144, 140462), (156, 140504), (183, 140669), (184, 140672), (228, 140927), (238, 140966), (244, 140996), (256, 141059), (260, 141080), (261, 141089), (263, 141092), (270, 141125), (278, 141140), (317, 141275), (334, 141350), (343, 141410),

Gene: AlpineSix_31 Start: 26536, Stop: 27729, Start Num: 46
Candidate Starts for AlpineSix_31:
(Start: 46 @26536 has 160 MA's), (71, 26620), (96, 26770), (102, 26824), (131, 26965), (219, 27046), (246, 27172), (264, 27277), (269, 27292), (281, 27334), (291, 27370), (292, 27373), (304, 27424), (306, 27433), (336, 27547), (341, 27589), (344, 27598), (355, 27655), (357, 27658),

Gene: Amataga_251 Start: 141959, Stop: 143389, Start Num: 54
Candidate Starts for Amataga_251:
(Start: 54 @141959 has 180 MA's), (79, 142049), (89, 142112), (103, 142235), (109, 142259), (134, 142343), (144, 142385), (156, 142427), (183, 142592), (184, 142595), (228, 142850), (238, 142889), (244, 142919), (256, 142982), (260, 143003), (261, 143012), (263, 143015), (270, 143048), (278, 143063), (317, 143198), (334, 143273), (342, 143330), (343, 143333),

Gene: Antihero_42 Start: 39523, Stop: 41259, Start Num: 33
Candidate Starts for Antihero_42:
(Start: 33 @39523 has 28 MA's), (51, 39598), (56, 39616), (63, 39637), (68, 39652), (83, 39724), (94, 39817), (103, 39889), (109, 39913), (127, 40000), (130, 40015), (174, 40198), (183, 40279), (192, 40360), (196, 40384), (197, 40387), (206, 40429), (230, 40540), (231, 40549), (234, 40558), (251, 40654), (256, 40693), (273, 40762), (286, 40786), (293, 40813), (298, 40843), (322, 40921), (325, 40945), (329, 40963), (330, 40966), (335, 40990), (340, 41035), (359, 41119),

Gene: Apex_44 Start: 40765, Stop: 42501, Start Num: 33
Candidate Starts for Apex_44:
(Start: 33 @40765 has 28 MA's), (51, 40840), (56, 40858), (63, 40879), (68, 40894), (83, 40966), (94, 41059), (103, 41131), (109, 41155), (127, 41242), (130, 41257), (175, 41446), (183, 41521), (192, 41602), (196, 41626), (197, 41629), (230, 41782), (231, 41791), (234, 41800), (251, 41896), (256, 41935), (273, 42004), (286, 42028), (293, 42055), (298, 42085), (322, 42163), (325, 42187), (329,

42205), (330, 42208), (340, 42277), (359, 42361),

Gene: ArcherS7_251 Start: 143704, Stop: 145134, Start Num: 54
Candidate Starts for ArcherS7_251:
(Start: 54 @143704 has 180 MA's), (79, 143794), (89, 143857), (103, 143980), (109, 144004), (134, 144088), (144, 144130), (156, 144172), (183, 144337), (184, 144340), (228, 144595), (238, 144634), (244, 144664), (256, 144727), (260, 144748), (261, 144757), (263, 144760), (270, 144793), (278, 144808), (317, 144943), (334, 145018), (342, 145075), (343, 145078),

Gene: ArcusAngelus_30 Start: 26307, Stop: 27473, Start Num: 46
Candidate Starts for ArcusAngelus_30:
(Start: 46 @26307 has 160 MA's), (71, 26391), (96, 26541), (102, 26595), (131, 26736), (219, 26817), (246, 26943), (247, 26949), (253, 26988), (269, 27063), (281, 27105), (291, 27141), (292, 27144), (304, 27195), (306, 27204), (336, 27318),

Gene: Ardmore_29 Start: 26362, Stop: 27516, Start Num: 46
Candidate Starts for Ardmore_29:
(14, 26089), (19, 26110), (Start: 46 @26362 has 160 MA's), (71, 26446), (96, 26596), (102, 26650), (131, 26791), (219, 26872), (246, 26998), (247, 27004), (253, 27043), (264, 27103), (269, 27118), (281, 27160), (291, 27196), (292, 27199), (304, 27250), (306, 27259), (336, 27373), (357, 27484), (361, 27505),

Gene: Asterius_251 Start: 142817, Stop: 144247, Start Num: 54
Candidate Starts for Asterius_251:
(Start: 54 @142817 has 180 MA's), (79, 142907), (89, 142970), (103, 143093), (109, 143117), (134, 143201), (144, 143243), (156, 143285), (183, 143450), (184, 143453), (228, 143708), (238, 143747), (244, 143777), (256, 143840), (260, 143861), (261, 143870), (263, 143873), (270, 143906), (278, 143921), (317, 144056), (334, 144131), (343, 144191),

Gene: Astraea_246 Start: 142012, Stop: 143442, Start Num: 54
Candidate Starts for Astraea_246:
(Start: 54 @142012 has 180 MA's), (79, 142102), (89, 142165), (103, 142288), (109, 142312), (134, 142396), (144, 142438), (156, 142480), (183, 142645), (184, 142648), (228, 142903), (238, 142942), (244, 142972), (256, 143035), (260, 143056), (261, 143065), (263, 143068), (270, 143101), (278, 143116), (317, 143251), (334, 143326), (342, 143383), (343, 143386),

Gene: Atlantean_250 Start: 141959, Stop: 143389, Start Num: 54
Candidate Starts for Atlantean_250:
(Start: 54 @141959 has 180 MA's), (79, 142049), (89, 142112), (103, 142235), (109, 142259), (134, 142343), (144, 142385), (156, 142427), (183, 142592), (184, 142595), (228, 142850), (238, 142889), (244, 142919), (256, 142982), (260, 143003), (261, 143012), (263, 143015), (270, 143048), (278, 143063), (317, 143198), (334, 143273), (342, 143330), (343, 143333),

Gene: Audrick_253 Start: 141849, Stop: 143279, Start Num: 54
Candidate Starts for Audrick_253:
(Start: 54 @141849 has 180 MA's), (79, 141939), (89, 142002), (103, 142125), (109, 142149), (134, 142233), (144, 142275), (156, 142317), (183, 142482), (184, 142485), (228, 142740), (238, 142779), (244, 142809), (256, 142872), (260, 142893), (261, 142902), (263, 142905), (270, 142938), (278, 142953), (317, 143088), (334, 143163), (342, 143220), (343, 143223),

Gene: Auspice_35 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for Auspice_35:

(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (86, 29898), (88, 29919), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: Austelle_44 Start: 41215, Stop: 42951, Start Num: 33
Candidate Starts for Austelle_44:
(Start: 33 @41215 has 28 MA's), (51, 41290), (56, 41308), (63, 41329), (68, 41344), (83, 41416), (94, 41509), (103, 41581), (109, 41605), (127, 41692), (130, 41707), (175, 41896), (183, 41971), (192, 42052), (196, 42076), (197, 42079), (206, 42121), (230, 42232), (231, 42241), (234, 42250), (251, 42346), (256, 42385), (273, 42454), (286, 42478), (293, 42505), (298, 42535), (322, 42613), (325, 42637), (329, 42655), (330, 42658), (335, 42682), (340, 42727), (359, 42811),

Gene: Ava3_247 Start: 142419, Stop: 143849, Start Num: 54
Candidate Starts for Ava3_247:
(Start: 54 @142419 has 180 MA's), (79, 142509), (89, 142572), (103, 142695), (109, 142719), (134, 142803), (144, 142845), (156, 142887), (183, 143052), (184, 143055), (228, 143310), (238, 143349), (244, 143379), (256, 143442), (260, 143463), (261, 143472), (263, 143475), (270, 143508), (278, 143523), (317, 143658), (334, 143733), (342, 143790), (343, 143793),

Gene: Aziz_40 Start: 30943, Stop: 32358, Start Num: 42
Candidate Starts for Aziz_40:
(Start: 42 @30943 has 6 MA's), (57, 30997), (60, 31003), (70, 31033), (79, 31069), (108, 31270), (118, 31300), (126, 31318), (139, 31369), (143, 31384), (182, 31573), (186, 31600), (189, 31615), (201, 31690), (206, 31723), (216, 31774), (275, 32029), (286, 32053), (287, 32056), (312, 32149), (317, 32170), (325, 32203), (337, 32263), (348, 32326),

Gene: Babyland_253 Start: 142736, Stop: 144166, Start Num: 54
Candidate Starts for Babyland_253:
(Start: 54 @142736 has 180 MA's), (79, 142826), (89, 142889), (103, 143012), (109, 143036), (134, 143120), (144, 143162), (156, 143204), (183, 143369), (184, 143372), (228, 143627), (238, 143666), (244, 143696), (256, 143759), (260, 143780), (261, 143789), (263, 143792), (270, 143825), (278, 143840), (317, 143975), (334, 144050), (342, 144107), (343, 144110),

Gene: BackyardAgain_245 Start: 140109, Stop: 141539, Start Num: 54
Candidate Starts for BackyardAgain_245:
(Start: 54 @140109 has 180 MA's), (79, 140199), (89, 140262), (103, 140385), (109, 140409), (134, 140493), (144, 140535), (156, 140577), (183, 140742), (184, 140745), (228, 141000), (238, 141039), (244, 141069), (256, 141132), (260, 141153), (261, 141162), (263, 141165), (270, 141198), (278, 141213), (317, 141348), (334, 141423), (342, 141480), (343, 141483),

Gene: BadAgartude_244 Start: 142021, Stop: 143451, Start Num: 54
Candidate Starts for BadAgartude_244:
(Start: 54 @142021 has 180 MA's), (79, 142111), (80, 142114), (89, 142174), (103, 142297), (109, 142321), (134, 142405), (144, 142447), (156, 142489), (183, 142654), (184, 142657), (228, 142912), (238, 142951), (244, 142981), (256, 143044), (260, 143065), (261, 143074), (263, 143077), (270, 143110), (278, 143125), (317, 143260), (334, 143335), (342, 143392), (343, 143395),

Gene: BananaFence_248 Start: 142641, Stop: 144071, Start Num: 54
Candidate Starts for BananaFence_248:
(Start: 54 @142641 has 180 MA's), (79, 142731), (80, 142734), (89, 142794), (103, 142917), (109, 142941), (134, 143025), (144, 143067), (156, 143109), (183, 143274), (184, 143277), (228, 143532),

(238, 143571), (244, 143601), (256, 143664), (260, 143685), (261, 143694), (263, 143697), (270, 143730), (278, 143745), (317, 143880), (334, 143955), (342, 144012), (343, 144015),

Gene: Bangla1971_251 Start: 142668, Stop: 144098, Start Num: 54
Candidate Starts for Bangla1971_251:
(Start: 54 @142668 has 180 MA's), (79, 142758), (89, 142821), (103, 142944), (109, 142968), (134, 143052), (144, 143094), (156, 143136), (183, 143301), (184, 143304), (228, 143559), (238, 143598), (244, 143628), (256, 143691), (260, 143712), (261, 143721), (263, 143724), (270, 143757), (278, 143772), (317, 143907), (334, 143982), (342, 144039), (343, 144042),

Gene: Basquiat_248 Start: 140927, Stop: 142357, Start Num: 54
Candidate Starts for Basquiat_248:
(Start: 54 @140927 has 180 MA's), (79, 141017), (89, 141080), (103, 141203), (109, 141227), (134, 141311), (144, 141353), (156, 141395), (183, 141560), (184, 141563), (228, 141818), (238, 141857), (244, 141887), (256, 141950), (260, 141971), (261, 141980), (263, 141983), (270, 142016), (278, 142031), (317, 142166), (334, 142241), (342, 142298), (343, 142301),

Gene: Batiatus_30 Start: 26355, Stop: 27509, Start Num: 46
Candidate Starts for Batiatus_30:
(14, 26082), (16, 26085), (Start: 46 @26355 has 160 MA's), (71, 26439), (96, 26589), (102, 26643), (131, 26784), (219, 26865), (246, 26991), (247, 26997), (253, 27036), (264, 27096), (269, 27111), (281, 27153), (291, 27189), (292, 27192), (304, 27243), (306, 27252), (336, 27366), (357, 27477), (361, 27498),

Gene: BeanWater_243 Start: 141804, Stop: 143234, Start Num: 54
Candidate Starts for BeanWater_243:
(Start: 54 @141804 has 180 MA's), (79, 141894), (89, 141957), (103, 142080), (109, 142104), (134, 142188), (144, 142230), (156, 142272), (183, 142437), (184, 142440), (228, 142695), (238, 142734), (244, 142764), (256, 142827), (260, 142848), (261, 142857), (263, 142860), (270, 142893), (278, 142908), (317, 143043), (334, 143118), (342, 143175), (343, 143178),

Gene: Beelzebub_58 Start: 30975, Stop: 32354, Start Num: 45
Candidate Starts for Beelzebub_58:
(Start: 45 @30975 has 28 MA's), (Start: 61 @31032 has 3 MA's), (72, 31068), (76, 31092), (79, 31104), (94, 31227), (99, 31269), (112, 31341), (117, 31365), (119, 31371), (136, 31452), (154, 31521), (155, 31524), (164, 31560), (169, 31596), (181, 31668), (183, 31686), (184, 31689), (200, 31806), (204, 31836), (231, 31968), (237, 31989), (244, 32022), (255, 32076), (256, 32082), (290, 32202), (296, 32232), (301, 32253), (313, 32283),

Gene: Belieber_244 Start: 141054, Stop: 142484, Start Num: 54
Candidate Starts for Belieber_244:
(Start: 54 @141054 has 180 MA's), (79, 141144), (89, 141207), (103, 141330), (109, 141354), (134, 141438), (144, 141480), (156, 141522), (183, 141687), (184, 141690), (228, 141945), (238, 141984), (244, 142014), (256, 142077), (260, 142098), (261, 142107), (263, 142110), (270, 142143), (278, 142158), (317, 142293), (334, 142368), (342, 142425), (343, 142428),

Gene: Bezza_238 Start: 141497, Stop: 142927, Start Num: 54
Candidate Starts for Bezza_238:
(Start: 54 @141497 has 180 MA's), (79, 141587), (80, 141590), (89, 141650), (103, 141773), (109, 141797), (134, 141881), (144, 141923), (156, 141965), (183, 142130), (184, 142133), (228, 142388), (238, 142427), (244, 142457), (256, 142520), (260, 142541), (261, 142550), (263, 142553), (270, 142586), (278, 142601), (317, 142736), (334, 142811), (342, 142868), (343, 142871),

Gene: BigCity_258 Start: 144559, Stop: 145989, Start Num: 54
Candidate Starts for BigCity_258:
(Start: 54 @144559 has 180 MA's), (79, 144649), (89, 144712), (103, 144835), (109, 144859), (134, 144943), (144, 144985), (156, 145027), (183, 145192), (184, 145195), (228, 145450), (238, 145489), (244, 145519), (256, 145582), (260, 145603), (261, 145612), (263, 145615), (270, 145648), (278, 145663), (317, 145798), (334, 145873), (342, 145930), (343, 145933),

Gene: BigPhil_26 Start: 22498, Stop: 23733, Start Num: 46
Candidate Starts for BigPhil_26:
(Start: 46 @22498 has 160 MA's), (79, 22618), (91, 22690), (105, 22807), (107, 22810), (125, 22888), (142, 22969), (202, 23011), (218, 23089), (246, 23215), (247, 23221), (253, 23260), (264, 23320), (269, 23335), (281, 23377), (291, 23413), (292, 23416), (304, 23467), (306, 23476), (336, 23590), (357, 23701), (361, 23722),

Gene: Bigswole_255 Start: 144470, Stop: 145900, Start Num: 54
Candidate Starts for Bigswole_255:
(Start: 54 @144470 has 180 MA's), (79, 144560), (80, 144563), (89, 144623), (103, 144746), (109, 144770), (134, 144854), (144, 144896), (156, 144938), (183, 145103), (184, 145106), (228, 145361), (238, 145400), (244, 145430), (256, 145493), (260, 145514), (261, 145523), (263, 145526), (270, 145559), (278, 145574), (317, 145709), (334, 145784), (342, 145841), (343, 145844),

Gene: Bipolar_27 Start: 25385, Stop: 26593, Start Num: 46
Candidate Starts for Bipolar_27:
(Start: 46 @25385 has 160 MA's), (71, 25469), (96, 25619), (102, 25673), (131, 25814), (236, 25991), (246, 26033), (248, 26042), (273, 26180), (336, 26411), (341, 26453), (344, 26462), (355, 26519), (357, 26522), (366, 26576),

Gene: Bipolarisk_248 Start: 142687, Stop: 144117, Start Num: 54
Candidate Starts for Bipolarisk_248:
(Start: 54 @142687 has 180 MA's), (79, 142777), (89, 142840), (103, 142963), (109, 142987), (134, 143071), (144, 143113), (156, 143155), (183, 143320), (184, 143323), (228, 143578), (238, 143617), (244, 143647), (256, 143710), (260, 143731), (261, 143740), (263, 143743), (270, 143776), (278, 143791), (317, 143926), (334, 144001), (342, 144058), (343, 144061),

Gene: Blackbeetle_54 Start: 30021, Stop: 31400, Start Num: 45
Candidate Starts for Blackbeetle_54:
(Start: 45 @30021 has 28 MA's), (Start: 61 @30078 has 3 MA's), (72, 30114), (76, 30138), (79, 30150), (94, 30273), (99, 30315), (112, 30387), (117, 30411), (119, 30417), (136, 30498), (154, 30567), (155, 30570), (164, 30606), (169, 30642), (181, 30714), (183, 30732), (184, 30735), (200, 30852), (204, 30882), (231, 31014), (237, 31035), (244, 31068), (255, 31122), (256, 31128), (290, 31248), (296, 31278), (301, 31299), (313, 31329),

Gene: Blackbrain_249 Start: 142704, Stop: 144134, Start Num: 54
Candidate Starts for Blackbrain_249:
(Start: 54 @142704 has 180 MA's), (79, 142794), (89, 142857), (103, 142980), (109, 143004), (134, 143088), (144, 143130), (156, 143172), (183, 143337), (184, 143340), (228, 143595), (238, 143634), (244, 143664), (256, 143727), (260, 143748), (261, 143757), (263, 143760), (270, 143793), (278, 143808), (317, 143943), (334, 144018), (342, 144075), (343, 144078),

Gene: Blackdragon_245 Start: 142252, Stop: 143682, Start Num: 54
Candidate Starts for Blackdragon_245:
(Start: 54 @142252 has 180 MA's), (79, 142342), (89, 142405), (103, 142528), (109, 142552), (134, 142636), (144, 142678), (156, 142720), (183, 142885), (184, 142888), (228, 143143), (238, 143182),

(244, 143212), (256, 143275), (260, 143296), (261, 143305), (263, 143308), (270, 143341), (278, 143356), (317, 143491), (334, 143566), (343, 143626),

Gene: Blubba_237 Start: 145431, Stop: 146861, Start Num: 54
Candidate Starts for Blubba_237:
(Start: 54 @145431 has 180 MA's), (79, 145521), (89, 145584), (103, 145707), (109, 145731), (134, 145815), (144, 145857), (156, 145899), (183, 146064), (184, 146067), (228, 146322), (238, 146361), (244, 146391), (256, 146454), (260, 146475), (261, 146484), (263, 146487), (270, 146520), (278, 146535), (317, 146670), (334, 146745), (343, 146805),

Gene: BlueCrab_30 Start: 26494, Stop: 27687, Start Num: 46
Candidate Starts for BlueCrab_30:
(Start: 46 @26494 has 160 MA's), (71, 26578), (96, 26728), (102, 26782), (131, 26923), (219, 27004), (246, 27130), (253, 27175), (269, 27250), (281, 27292), (291, 27328), (292, 27331), (304, 27382), (306, 27391), (336, 27505), (341, 27547), (344, 27556), (355, 27613), (357, 27616),

Gene: BobaPhatt_243 Start: 141822, Stop: 143252, Start Num: 54
Candidate Starts for BobaPhatt_243:
(Start: 54 @141822 has 180 MA's), (79, 141912), (89, 141975), (103, 142098), (109, 142122), (134, 142206), (144, 142248), (156, 142290), (183, 142455), (184, 142458), (228, 142713), (238, 142752), (244, 142782), (256, 142845), (260, 142866), (261, 142875), (263, 142878), (270, 142911), (278, 142926), (317, 143061), (334, 143136), (342, 143193), (343, 143196),

Gene: BobaPhett_30 Start: 26476, Stop: 27711, Start Num: 46
Candidate Starts for BobaPhett_30:
(Start: 46 @26476 has 160 MA's), (79, 26593), (91, 26665), (105, 26782), (107, 26785), (125, 26863), (142, 26944), (202, 26986), (218, 27064), (246, 27190), (269, 27310), (281, 27352), (291, 27388), (292, 27391), (304, 27442), (306, 27451), (336, 27565),

Gene: BobbyK_44 Start: 40560, Stop: 42296, Start Num: 33
Candidate Starts for BobbyK_44:
(Start: 33 @40560 has 28 MA's), (51, 40635), (56, 40653), (63, 40674), (68, 40689), (83, 40761), (94, 40854), (103, 40926), (109, 40950), (127, 41037), (130, 41052), (174, 41235), (183, 41316), (192, 41397), (196, 41421), (197, 41424), (206, 41466), (230, 41577), (231, 41586), (234, 41595), (251, 41691), (256, 41730), (273, 41799), (286, 41823), (293, 41850), (298, 41880), (322, 41958), (325, 41982), (329, 42000), (330, 42003), (335, 42027), (340, 42072), (359, 42156),

Gene: Bobi_32 Start: 27069, Stop: 28223, Start Num: 46
Candidate Starts for Bobi_32:
(3, 26622), (19, 26817), (Start: 46 @27069 has 160 MA's), (71, 27153), (96, 27303), (102, 27357), (131, 27498), (219, 27579), (246, 27705), (247, 27711), (253, 27750), (264, 27810), (269, 27825), (281, 27867), (291, 27903), (292, 27906), (304, 27957), (306, 27966), (336, 28080), (357, 28191), (361, 28212),

Gene: BodEinwohner17_30 Start: 26635, Stop: 27906, Start Num: 46
Candidate Starts for BodEinwohner17_30:
(Start: 46 @26635 has 160 MA's), (79, 26752), (91, 26824), (105, 26941), (107, 26944), (125, 27022), (142, 27103), (202, 27145), (218, 27223), (246, 27349), (247, 27355), (248, 27358), (253, 27394), (257, 27424), (264, 27454), (269, 27469), (281, 27511), (291, 27547), (292, 27550), (304, 27601), (306, 27610), (336, 27724), (341, 27766), (344, 27775), (355, 27832), (357, 27835),

Gene: Bongo_35 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for Bongo_35:

(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: Bonray_253 Start: 144504, Stop: 145934, Start Num: 54
Candidate Starts for Bonray_253:
(Start: 54 @144504 has 180 MA's), (79, 144594), (89, 144657), (103, 144780), (109, 144804), (134, 144888), (144, 144930), (156, 144972), (183, 145137), (184, 145140), (228, 145395), (238, 145434), (244, 145464), (256, 145527), (260, 145548), (261, 145557), (263, 145560), (270, 145593), (278, 145608), (317, 145743), (334, 145818), (343, 145878),

Gene: Boomer_32 Start: 26275, Stop: 27576, Start Num: 46
Candidate Starts for Boomer_32:
(Start: 46 @26275 has 160 MA's), (79, 26395), (91, 26467), (105, 26584), (107, 26587), (125, 26665), (142, 26746), (202, 26797), (236, 26974), (246, 27016), (248, 27025), (281, 27181), (336, 27394), (341, 27436), (344, 27445), (355, 27502), (357, 27505),

Gene: BoostSeason_29 Start: 23227, Stop: 24885, Start Num: 43
Candidate Starts for BoostSeason_29:
(Start: 43 @23227 has 4 MA's), (58, 23278), (59, 23281), (70, 23317), (79, 23353), (106, 23554), (114, 23584), (151, 23722), (166, 23794), (169, 23809), (180, 23875), (184, 23896), (196, 23998), (233, 24169), (240, 24205), (244, 24220), (256, 24283), (271, 24352), (286, 24385), (346, 24640), (369, 24790), (371, 24853),

Gene: Bowman_249 Start: 143619, Stop: 145049, Start Num: 54
Candidate Starts for Bowman_249:
(Start: 54 @143619 has 180 MA's), (79, 143709), (89, 143772), (103, 143895), (109, 143919), (134, 144003), (144, 144045), (156, 144087), (183, 144252), (184, 144255), (228, 144510), (238, 144549), (244, 144579), (256, 144642), (260, 144663), (261, 144672), (263, 144675), (270, 144708), (278, 144723), (317, 144858), (334, 144933), (342, 144990), (343, 144993),

Gene: Bread_247 Start: 142471, Stop: 143901, Start Num: 54
Candidate Starts for Bread_247:
(Start: 54 @142471 has 180 MA's), (79, 142561), (89, 142624), (103, 142747), (109, 142771), (134, 142855), (144, 142897), (156, 142939), (183, 143104), (184, 143107), (228, 143362), (238, 143401), (244, 143431), (256, 143494), (260, 143515), (261, 143524), (263, 143527), (270, 143560), (278, 143575), (317, 143710), (334, 143785), (342, 143842), (343, 143845),

Gene: Breeniome_250 Start: 141459, Stop: 142889, Start Num: 54
Candidate Starts for Breeniome_250:
(Start: 54 @141459 has 180 MA's), (79, 141549), (89, 141612), (103, 141735), (109, 141759), (134, 141843), (144, 141885), (156, 141927), (183, 142092), (184, 142095), (228, 142350), (238, 142389), (244, 142419), (256, 142482), (260, 142503), (261, 142512), (263, 142515), (270, 142548), (278, 142563), (317, 142698), (334, 142773), (342, 142830), (343, 142833),

Gene: Bricole_35 Start: 29785, Stop: 31152, Start Num: 65
Candidate Starts for Bricole_35:
(Start: 65 @29785 has 16 MA's), (79, 29842), (83, 29869), (89, 29908), (108, 30046), (113, 30070), (135, 30148), (137, 30154), (138, 30157), (157, 30232), (182, 30364), (186, 30391), (187, 30400), (195, 30454), (201, 30481), (205, 30511), (216, 30565), (233, 30637), (275, 30823), (312, 30943), (317, 30964), (323, 30982), (325, 30997), (332, 31027), (337, 31057), (343, 31093), (344, 31096),

(350, 31132),

Gene: Brookers_28 Start: 25304, Stop: 26458, Start Num: 46
Candidate Starts for Brookers_28:
(14, 25031), (19, 25052), (Start: 46 @25304 has 160 MA's), (71, 25388), (96, 25538), (102, 25592), (131, 25733), (219, 25814), (246, 25940), (247, 25946), (253, 25985), (264, 26045), (269, 26060), (281, 26102), (291, 26138), (292, 26141), (304, 26192), (306, 26201), (336, 26315), (357, 26426), (361, 26447),

Gene: BrownCNA_45 Start: 40845, Stop: 42581, Start Num: 33
Candidate Starts for BrownCNA_45:
(Start: 33 @40845 has 28 MA's), (51, 40920), (56, 40938), (63, 40959), (68, 40974), (83, 41046), (94, 41139), (103, 41211), (109, 41235), (127, 41322), (130, 41337), (175, 41526), (183, 41601), (192, 41682), (196, 41706), (197, 41709), (206, 41751), (230, 41862), (231, 41871), (234, 41880), (251, 41976), (256, 42015), (273, 42084), (286, 42108), (293, 42135), (298, 42165), (320, 42240), (322, 42243), (325, 42267), (329, 42285), (330, 42288), (340, 42357), (359, 42441),

Gene: Brushbloom_31 Start: 26379, Stop: 27533, Start Num: 46
Candidate Starts for Brushbloom_31:
(14, 26106), (19, 26127), (Start: 46 @26379 has 160 MA's), (71, 26463), (96, 26613), (102, 26667), (131, 26808), (219, 26889), (246, 27015), (247, 27021), (253, 27060), (264, 27120), (269, 27135), (281, 27177), (291, 27213), (292, 27216), (304, 27267), (306, 27276), (336, 27390), (357, 27501), (361, 27522),

Gene: Bubbles123_32 Start: 27209, Stop: 28501, Start Num: 46
Candidate Starts for Bubbles123_32:
(Start: 46 @27209 has 160 MA's), (79, 27329), (105, 27518), (107, 27521), (125, 27599), (142, 27680), (202, 27722), (218, 27800), (246, 27926), (247, 27932), (253, 27971), (264, 28031), (269, 28046), (279, 28082), (281, 28088), (291, 28124), (295, 28142), (304, 28178), (306, 28187), (336, 28301), (357, 28412),

Gene: Burrough_251 Start: 143832, Stop: 145262, Start Num: 54
Candidate Starts for Burrough_251:
(Start: 54 @143832 has 180 MA's), (79, 143922), (89, 143985), (103, 144108), (109, 144132), (134, 144216), (144, 144258), (156, 144300), (183, 144465), (184, 144468), (228, 144723), (238, 144762), (244, 144792), (256, 144855), (260, 144876), (261, 144885), (263, 144888), (270, 144921), (278, 144936), (317, 145071), (334, 145146), (342, 145203), (343, 145206),

Gene: BuzzLyseyear_33 Start: 27038, Stop: 28312, Start Num: 46
Candidate Starts for BuzzLyseyear_33:
(Start: 46 @27038 has 160 MA's), (79, 27158), (91, 27230), (105, 27347), (107, 27350), (125, 27428), (142, 27509), (202, 27551), (218, 27629), (246, 27755), (247, 27761), (248, 27764), (253, 27800), (257, 27830), (264, 27860), (269, 27875), (281, 27917), (291, 27953), (292, 27956), (304, 28007), (306, 28016), (336, 28130), (341, 28172), (344, 28181), (355, 28238), (357, 28241),

Gene: Bxz1_236 Start: 144036, Stop: 145466, Start Num: 54
Candidate Starts for Bxz1_236:
(Start: 54 @144036 has 180 MA's), (79, 144126), (89, 144189), (103, 144312), (109, 144336), (134, 144420), (144, 144462), (156, 144504), (183, 144669), (184, 144672), (228, 144927), (238, 144966), (244, 144996), (256, 145059), (260, 145080), (261, 145089), (263, 145092), (270, 145125), (278, 145140), (317, 145275), (334, 145350), (342, 145407), (343, 145410),

Gene: CRB2_49 Start: 43040, Stop: 44572, Start Num: 44

Candidate Starts for CRB2_49:
(1, 42311), (10, 42686), (21, 42809), (Start: 44 @43040 has 4 MA's), (Start: 49 @43049 has 2 MA's), (67, 43112), (76, 43148), (79, 43160), (93, 43262), (100, 43334), (103, 43346), (175, 43676), (183, 43751), (192, 43832), (207, 43913), (210, 43928), (231, 44021), (241, 44072), (256, 44165), (283, 44246), (294, 44282), (303, 44321), (305, 44327), (327, 44414), (331, 44429), (337, 44456),

Gene: Cabrinians_30 Start: 26504, Stop: 27775, Start Num: 46
Candidate Starts for Cabrinians_30:
(Start: 46 @26504 has 160 MA's), (79, 26621), (91, 26693), (105, 26810), (107, 26813), (125, 26891), (142, 26972), (202, 27014), (218, 27092), (246, 27218), (264, 27323), (269, 27338), (281, 27380), (291, 27416), (292, 27419), (304, 27470), (306, 27479), (336, 27593), (341, 27635), (344, 27644), (355, 27701), (357, 27704),

Gene: Cactojaque_245 Start: 141650, Stop: 143080, Start Num: 54
Candidate Starts for Cactojaque_245:
(Start: 54 @141650 has 180 MA's), (79, 141740), (89, 141803), (103, 141926), (109, 141950), (134, 142034), (144, 142076), (156, 142118), (183, 142283), (184, 142286), (228, 142541), (238, 142580), (244, 142610), (256, 142673), (260, 142694), (261, 142703), (263, 142706), (270, 142739), (278, 142754), (317, 142889), (334, 142964), (342, 143021), (343, 143024),

Gene: Cali_240 Start: 142429, Stop: 143859, Start Num: 54
Candidate Starts for Cali_240:
(Start: 54 @142429 has 180 MA's), (79, 142519), (89, 142582), (103, 142705), (109, 142729), (134, 142813), (144, 142855), (156, 142897), (183, 143062), (184, 143065), (228, 143320), (238, 143359), (244, 143389), (256, 143452), (260, 143473), (261, 143482), (263, 143485), (270, 143518), (278, 143533), (317, 143668), (334, 143743), (342, 143800), (343, 143803),

Gene: Cane17_239 Start: 145840, Stop: 147270, Start Num: 54
Candidate Starts for Cane17_239:
(Start: 54 @145840 has 180 MA's), (79, 145930), (89, 145993), (103, 146116), (109, 146140), (134, 146224), (144, 146266), (156, 146308), (183, 146473), (184, 146476), (228, 146731), (238, 146770), (244, 146800), (256, 146863), (260, 146884), (261, 146893), (263, 146896), (270, 146929), (278, 146944), (317, 147079), (334, 147154), (343, 147214),

Gene: Capablanca_255 Start: 144683, Stop: 146113, Start Num: 54
Candidate Starts for Capablanca_255:
(Start: 54 @144683 has 180 MA's), (79, 144773), (89, 144836), (103, 144959), (109, 144983), (134, 145067), (144, 145109), (156, 145151), (183, 145316), (184, 145319), (228, 145574), (238, 145613), (244, 145643), (256, 145706), (260, 145727), (261, 145736), (263, 145739), (270, 145772), (278, 145787), (317, 145922), (334, 145997), (342, 146054), (343, 146057),

Gene: Caprice_51 Start: 30334, Stop: 31713, Start Num: 45
Candidate Starts for Caprice_51:
(Start: 45 @30334 has 28 MA's), (Start: 61 @30391 has 3 MA's), (72, 30427), (76, 30451), (79, 30463), (94, 30586), (99, 30628), (112, 30700), (117, 30724), (119, 30730), (136, 30811), (154, 30880), (155, 30883), (164, 30919), (169, 30955), (181, 31027), (183, 31045), (184, 31048), (200, 31165), (204, 31195), (231, 31327), (237, 31348), (244, 31381), (255, 31435), (256, 31441), (290, 31561), (296, 31591), (301, 31612), (313, 31642),

Gene: Caravan_240 Start: 142733, Stop: 144163, Start Num: 54
Candidate Starts for Caravan_240:
(Start: 54 @142733 has 180 MA's), (79, 142823), (89, 142886), (103, 143009), (109, 143033), (134, 143117), (144, 143159), (156, 143201), (183, 143366), (184, 143369), (228, 143624), (238, 143663),

(244, 143693), (256, 143756), (260, 143777), (261, 143786), (263, 143789), (270, 143822), (278, 143837), (317, 143972), (334, 144047), (342, 144104), (343, 144107),

Gene: Catera_239 Start: 141172, Stop: 142602, Start Num: 54
Candidate Starts for Catera_239:
(Start: 54 @141172 has 180 MA's), (79, 141262), (89, 141325), (103, 141448), (109, 141472), (134, 141556), (144, 141598), (156, 141640), (183, 141805), (184, 141808), (228, 142063), (238, 142102), (244, 142132), (256, 142195), (260, 142216), (261, 142225), (263, 142228), (270, 142261), (278, 142276), (317, 142411), (334, 142486), (342, 142543), (343, 142546),

Gene: Causa_55 Start: 44367, Stop: 45965, Start Num: 33
Candidate Starts for Causa_55:
(Start: 33 @44367 has 28 MA's), (41, 44415), (68, 44484), (93, 44586), (97, 44625), (100, 44664), (103, 44676), (126, 44778), (142, 44853), (161, 44931), (183, 45087), (192, 45168), (196, 45192), (197, 45195), (231, 45357), (233, 45360), (234, 45366), (256, 45501), (265, 45540), (273, 45576), (286, 45600), (327, 45774), (335, 45807), (358, 45921), (365, 45954),

Gene: Cerasum_26 Start: 22498, Stop: 23733, Start Num: 46
Candidate Starts for Cerasum_26:
(Start: 46 @22498 has 160 MA's), (79, 22618), (91, 22690), (105, 22807), (107, 22810), (125, 22888), (142, 22969), (202, 23011), (218, 23089), (246, 23215), (247, 23221), (253, 23260), (264, 23320), (269, 23335), (281, 23377), (291, 23413), (292, 23416), (304, 23467), (306, 23476), (336, 23590), (357, 23701), (361, 23722),

Gene: Chargie21_248 Start: 140927, Stop: 142357, Start Num: 54
Candidate Starts for Chargie21_248:
(Start: 54 @140927 has 180 MA's), (79, 141017), (89, 141080), (103, 141203), (109, 141227), (134, 141311), (144, 141353), (156, 141395), (183, 141560), (184, 141563), (228, 141818), (238, 141857), (244, 141887), (256, 141950), (260, 141971), (261, 141980), (263, 141983), (270, 142016), (278, 142031), (317, 142166), (334, 142241), (342, 142298), (343, 142301),

Gene: CharlieB_245 Start: 142195, Stop: 143625, Start Num: 54
Candidate Starts for CharlieB_245:
(Start: 54 @142195 has 180 MA's), (79, 142285), (89, 142348), (103, 142471), (109, 142495), (134, 142579), (144, 142621), (156, 142663), (183, 142828), (184, 142831), (228, 143086), (238, 143125), (244, 143155), (256, 143218), (260, 143239), (261, 143248), (263, 143251), (270, 143284), (278, 143299), (317, 143434), (334, 143509), (343, 143569),

Gene: ChaylaJr_249 Start: 141869, Stop: 143299, Start Num: 54
Candidate Starts for ChaylaJr_249:
(Start: 54 @141869 has 180 MA's), (79, 141959), (89, 142022), (103, 142145), (109, 142169), (134, 142253), (144, 142295), (156, 142337), (183, 142502), (184, 142505), (228, 142760), (238, 142799), (244, 142829), (256, 142892), (260, 142913), (261, 142922), (263, 142925), (270, 142958), (278, 142973), (317, 143108), (334, 143183), (342, 143240), (343, 143243),

Gene: Che8_32 Start: 26683, Stop: 27957, Start Num: 46
Candidate Starts for Che8_32:
(Start: 46 @26683 has 160 MA's), (79, 26803), (91, 26875), (105, 26992), (107, 26995), (125, 27073), (142, 27154), (202, 27196), (218, 27274), (246, 27400), (247, 27406), (253, 27445), (269, 27520), (281, 27562), (291, 27598), (295, 27616), (304, 27652), (306, 27661), (336, 27775), (341, 27817), (344, 27826), (355, 27883), (357, 27886),

Gene: Chevrolet_30 Start: 26308, Stop: 27474, Start Num: 46

Candidate Starts for Chevrolet_30:
(Start: 46 @26308 has 160 MA's), (71, 26392), (96, 26542), (102, 26596), (131, 26737), (219, 26818), (246, 26944), (247, 26950), (253, 26989), (269, 27064), (281, 27106), (291, 27142), (292, 27145), (304, 27196), (306, 27205), (336, 27319),

Gene: ChickenPhender_246 Start: 140625, Stop: 142055, Start Num: 54
Candidate Starts for ChickenPhender_246:
(Start: 54 @140625 has 180 MA's), (79, 140715), (89, 140778), (103, 140901), (109, 140925), (134, 141009), (144, 141051), (156, 141093), (183, 141258), (184, 141261), (228, 141516), (238, 141555), (244, 141585), (256, 141648), (260, 141669), (261, 141678), (263, 141681), (270, 141714), (278, 141729), (317, 141864), (334, 141939), (342, 141996), (343, 141999),

Gene: Chomp_249 Start: 144061, Stop: 145491, Start Num: 54
Candidate Starts for Chomp_249:
(Start: 54 @144061 has 180 MA's), (79, 144151), (89, 144214), (103, 144337), (109, 144361), (134, 144445), (144, 144487), (156, 144529), (183, 144694), (184, 144697), (228, 144952), (238, 144991), (244, 145021), (256, 145084), (260, 145105), (261, 145114), (263, 145117), (270, 145150), (278, 145165), (317, 145300), (334, 145375), (342, 145432), (343, 145435),

Gene: ChrisnMich_43 Start: 39525, Stop: 41261, Start Num: 33
Candidate Starts for ChrisnMich_43:
(Start: 33 @39525 has 28 MA's), (51, 39600), (56, 39618), (63, 39639), (68, 39654), (83, 39726), (94, 39819), (103, 39891), (109, 39915), (127, 40002), (130, 40017), (174, 40200), (183, 40281), (192, 40362), (196, 40386), (206, 40431), (230, 40542), (231, 40551), (234, 40560), (251, 40656), (256, 40695), (273, 40764), (286, 40788), (293, 40815), (298, 40845), (322, 40923), (325, 40947), (329, 40965), (330, 40968), (335, 40992), (340, 41037), (359, 41121),

Gene: CindyLou_251 Start: 144321, Stop: 145751, Start Num: 54
Candidate Starts for CindyLou_251:
(Start: 54 @144321 has 180 MA's), (79, 144411), (80, 144414), (89, 144474), (103, 144597), (109, 144621), (134, 144705), (144, 144747), (156, 144789), (183, 144954), (184, 144957), (228, 145212), (238, 145251), (244, 145281), (256, 145344), (260, 145365), (261, 145374), (263, 145377), (270, 145410), (278, 145425), (317, 145560), (334, 145635), (342, 145692), (343, 145695),

Gene: Clank_28 Start: 25674, Stop: 26948, Start Num: 46
Candidate Starts for Clank_28:
(Start: 46 @25674 has 160 MA's), (79, 25794), (105, 25983), (107, 25986), (125, 26064), (142, 26145), (202, 26187), (218, 26265), (246, 26391), (247, 26397), (253, 26436), (264, 26496), (269, 26511), (279, 26547), (281, 26553), (291, 26589), (295, 26607), (304, 26643), (306, 26652), (336, 26766), (341, 26808), (344, 26817), (355, 26874), (357, 26877),

Gene: Clarkson_55 Start: 30703, Stop: 32082, Start Num: 45
Candidate Starts for Clarkson_55:
(Start: 45 @30703 has 28 MA's), (Start: 61 @30760 has 3 MA's), (72, 30796), (76, 30820), (79, 30832), (94, 30955), (99, 30997), (112, 31069), (117, 31093), (119, 31099), (136, 31180), (154, 31249), (155, 31252), (164, 31288), (169, 31324), (181, 31396), (183, 31414), (184, 31417), (200, 31534), (204, 31564), (231, 31696), (237, 31717), (244, 31750), (255, 31804), (256, 31810), (290, 31930), (296, 31960), (301, 31981), (313, 32011),

Gene: Cleatunium_244 Start: 142331, Stop: 143761, Start Num: 54
Candidate Starts for Cleatunium_244:
(Start: 54 @142331 has 180 MA's), (79, 142421), (89, 142484), (103, 142607), (109, 142631), (134, 142715), (144, 142757), (156, 142799), (183, 142964), (184, 142967), (228, 143222), (238, 143261),

(244, 143291), (256, 143354), (260, 143375), (261, 143384), (263, 143387), (270, 143420), (278, 143435), (317, 143570), (334, 143645), (343, 143705),

Gene: Coco12_29 Start: 25845, Stop: 27582, Start Num: 46
Candidate Starts for Coco12_29:
(14, 25572), (19, 25593), (Start: 46 @25845 has 160 MA's), (71, 25929), (96, 26079), (102, 26133), (131, 26274), (140, 26307), (149, 26355), (159, 26454), (198, 26847), (229, 27000), (249, 27078), (258, 27141), (268, 27180), (302, 27312), (310, 27333), (319, 27369),

Gene: Colt_240 Start: 145032, Stop: 146462, Start Num: 54
Candidate Starts for Colt_240:
(Start: 54 @145032 has 180 MA's), (79, 145122), (89, 145185), (103, 145308), (109, 145332), (134, 145416), (144, 145458), (156, 145500), (183, 145665), (184, 145668), (228, 145923), (238, 145962), (244, 145992), (256, 146055), (260, 146076), (261, 146085), (263, 146088), (270, 146121), (278, 146136), (317, 146271), (334, 146346), (343, 146406),

Gene: Concombre_256 Start: 144663, Stop: 146096, Start Num: 53
Candidate Starts for Concombre_256:
(47, 144639), (53, 144663), (Start: 54 @144666 has 180 MA's), (79, 144756), (89, 144819), (103, 144942), (109, 144966), (134, 145050), (144, 145092), (156, 145134), (183, 145299), (184, 145302), (228, 145557), (238, 145596), (244, 145626), (256, 145689), (260, 145710), (261, 145719), (263, 145722), (270, 145755), (278, 145770), (317, 145905), (334, 145980), (342, 146037), (343, 146040),

Gene: Cooper_44 Start: 39744, Stop: 41456, Start Num: 33
Candidate Starts for Cooper_44:
(Start: 33 @39744 has 28 MA's), (56, 39837), (63, 39858), (68, 39873), (83, 39945), (94, 40038), (103, 40110), (109, 40134), (127, 40221), (130, 40236), (141, 40266), (163, 40356), (169, 40401), (174, 40419), (175, 40425), (183, 40500), (192, 40581), (196, 40605), (197, 40608), (230, 40761), (231, 40770), (234, 40779), (256, 40914), (273, 40983), (293, 41034), (298, 41064), (325, 41166), (329, 41184), (335, 41211), (359, 41340), (360, 41349), (367, 41394),

Gene: Corazon_52 Start: 30897, Stop: 32276, Start Num: 45
Candidate Starts for Corazon_52:
(Start: 45 @30897 has 28 MA's), (Start: 61 @30954 has 3 MA's), (72, 30990), (76, 31014), (79, 31026), (94, 31149), (99, 31191), (112, 31263), (117, 31287), (119, 31293), (136, 31374), (154, 31443), (155, 31446), (164, 31482), (169, 31518), (181, 31590), (183, 31608), (184, 31611), (200, 31728), (204, 31758), (231, 31890), (237, 31911), (244, 31944), (255, 31998), (256, 32004), (290, 32124), (296, 32154), (301, 32175), (313, 32205),

Gene: Cornie_30 Start: 26720, Stop: 28018, Start Num: 46
Candidate Starts for Cornie_30:
(Start: 46 @26720 has 160 MA's), (79, 26837), (91, 26909), (105, 27026), (107, 27029), (125, 27107), (142, 27188), (202, 27239), (236, 27416), (246, 27458), (248, 27467), (281, 27623), (336, 27836), (341, 27878), (344, 27887), (355, 27944), (357, 27947),

Gene: DLane_30 Start: 26332, Stop: 27486, Start Num: 46
Candidate Starts for DLane_30:
(14, 26059), (16, 26062), (19, 26080), (Start: 46 @26332 has 160 MA's), (71, 26416), (96, 26566), (102, 26620), (131, 26761), (219, 26842), (246, 26968), (247, 26974), (253, 27013), (264, 27073), (269, 27088), (281, 27130), (291, 27166), (292, 27169), (304, 27220), (306, 27229), (336, 27343), (357, 27454), (361, 27475),

Gene: DRBy19_30 Start: 26346, Stop: 27617, Start Num: 46

Candidate Starts for DRBy19_30:
(Start: 46 @26346 has 160 MA's), (79, 26463), (91, 26535), (105, 26652), (107, 26655), (125, 26733), (142, 26814), (202, 26856), (218, 26934), (246, 27060), (264, 27165), (269, 27180), (281, 27222), (291, 27258), (292, 27261), (304, 27312), (306, 27321), (336, 27435), (341, 27477), (344, 27486), (355, 27543), (357, 27546),

Gene: DTDevon_251 Start: 144700, Stop: 146130, Start Num: 54
Candidate Starts for DTDevon_251:
(Start: 54 @144700 has 180 MA's), (79, 144790), (89, 144853), (103, 144976), (109, 145000), (134, 145084), (144, 145126), (156, 145168), (183, 145333), (184, 145336), (228, 145591), (238, 145630), (244, 145660), (256, 145723), (260, 145744), (261, 145753), (263, 145756), (270, 145789), (278, 145804), (317, 145939), (334, 146014), (342, 146071), (343, 146074),

Gene: DaWorst_32 Start: 26862, Stop: 28055, Start Num: 46
Candidate Starts for DaWorst_32:
(14, 26589), (20, 26610), (Start: 46 @26862 has 160 MA's), (71, 26946), (96, 27096), (102, 27150), (131, 27291), (219, 27372), (246, 27498), (247, 27504), (248, 27507), (253, 27543), (269, 27618), (281, 27660), (291, 27696), (306, 27759), (336, 27873), (341, 27915), (344, 27924), (355, 27981), (357, 27984),

Gene: Daenerys_30 Start: 26326, Stop: 27519, Start Num: 46
Candidate Starts for Daenerys_30:
(Start: 46 @26326 has 160 MA's), (71, 26410), (96, 26560), (102, 26614), (131, 26755), (219, 26836), (246, 26962), (247, 26968), (248, 26971), (269, 27082), (281, 27124), (291, 27160), (304, 27214), (306, 27223), (336, 27337), (341, 27379), (344, 27388), (355, 27445), (357, 27448),

Gene: Daffodil_256 Start: 142987, Stop: 144417, Start Num: 54
Candidate Starts for Daffodil_256:
(Start: 54 @142987 has 180 MA's), (79, 143077), (89, 143140), (103, 143263), (109, 143287), (134, 143371), (144, 143413), (156, 143455), (183, 143620), (184, 143623), (228, 143878), (238, 143917), (244, 143947), (256, 144010), (260, 144031), (261, 144040), (263, 144043), (270, 144076), (278, 144091), (317, 144226), (334, 144301), (342, 144358), (343, 144361),

Gene: Dandelion_256 Start: 145521, Stop: 146951, Start Num: 54
Candidate Starts for Dandelion_256:
(Start: 54 @145521 has 180 MA's), (79, 145611), (80, 145614), (89, 145674), (103, 145797), (109, 145821), (134, 145905), (144, 145947), (156, 145989), (183, 146154), (184, 146157), (228, 146412), (238, 146451), (244, 146481), (256, 146544), (260, 146565), (261, 146574), (263, 146577), (270, 146610), (278, 146625), (317, 146760), (334, 146835), (342, 146892), (343, 146895),

Gene: Dante_30 Start: 26366, Stop: 27637, Start Num: 46
Candidate Starts for Dante_30:
(Start: 46 @26366 has 160 MA's), (79, 26483), (91, 26555), (105, 26672), (107, 26675), (125, 26753), (142, 26834), (202, 26876), (218, 26954), (246, 27080), (247, 27086), (248, 27089), (269, 27200), (281, 27242), (292, 27281), (295, 27296), (304, 27332), (306, 27341), (336, 27455), (341, 27497), (355, 27563), (357, 27566),

Gene: Darko_250 Start: 142645, Stop: 144075, Start Num: 54
Candidate Starts for Darko_250:
(Start: 54 @142645 has 180 MA's), (79, 142735), (80, 142738), (89, 142798), (103, 142921), (109, 142945), (134, 143029), (144, 143071), (156, 143113), (183, 143278), (184, 143281), (228, 143536), (238, 143575), (244, 143605), (256, 143668), (260, 143689), (261, 143698), (263, 143701), (270, 143734), (278, 143749), (317, 143884), (334, 143959), (342, 144016), (343, 144019),

Gene: DeadP_30 Start: 26529, Stop: 27683, Start Num: 46
Candidate Starts for DeadP_30:
(14, 26256), (19, 26277), (Start: 46 @26529 has 160 MA's), (71, 26613), (96, 26763), (102, 26817), (131, 26958), (219, 27039), (246, 27165), (247, 27171), (253, 27210), (264, 27270), (269, 27285), (281, 27327), (291, 27363), (292, 27366), (304, 27417), (306, 27426), (336, 27540), (357, 27651), (361, 27672),

Gene: Deb65_30 Start: 26328, Stop: 27521, Start Num: 46
Candidate Starts for Deb65_30:
(20, 26076), (Start: 46 @26328 has 160 MA's), (71, 26412), (96, 26562), (102, 26616), (131, 26757), (219, 26838), (246, 26964), (253, 27009), (269, 27084), (281, 27126), (291, 27162), (292, 27165), (304, 27216), (306, 27225), (336, 27339), (341, 27381), (344, 27390), (355, 27447), (357, 27450),

Gene: DeejaClivia_237 Start: 140388, Stop: 141818, Start Num: 54
Candidate Starts for DeejaClivia_237:
(Start: 54 @140388 has 180 MA's), (79, 140478), (89, 140541), (103, 140664), (109, 140688), (134, 140772), (144, 140814), (156, 140856), (183, 141021), (184, 141024), (228, 141279), (238, 141318), (244, 141348), (256, 141411), (260, 141432), (261, 141441), (263, 141444), (270, 141477), (278, 141492), (317, 141627), (334, 141702), (343, 141762),

Gene: Delilah_248 Start: 143080, Stop: 144510, Start Num: 54
Candidate Starts for Delilah_248:
(Start: 54 @143080 has 180 MA's), (79, 143170), (89, 143233), (103, 143356), (109, 143380), (134, 143464), (144, 143506), (156, 143548), (183, 143713), (184, 143716), (228, 143971), (238, 144010), (244, 144040), (256, 144103), (260, 144124), (261, 144133), (263, 144136), (270, 144169), (278, 144184), (317, 144319), (334, 144394), (342, 144451), (343, 144454),

Gene: Delylah_252 Start: 143357, Stop: 144787, Start Num: 54
Candidate Starts for Delylah_252:
(Start: 54 @143357 has 180 MA's), (79, 143447), (89, 143510), (103, 143633), (109, 143657), (134, 143741), (144, 143783), (156, 143825), (183, 143990), (184, 143993), (228, 144248), (238, 144287), (244, 144317), (256, 144380), (260, 144401), (261, 144410), (263, 144413), (270, 144446), (278, 144461), (317, 144596), (334, 144671), (342, 144728), (343, 144731),

Gene: Demikore_41 Start: 33847, Stop: 35238, Start Num: 61
Candidate Starts for Demikore_41:
(Start: 61 @33847 has 3 MA's), (73, 33886), (81, 33922), (89, 33982), (92, 34012), (108, 34129), (113, 34153), (144, 34270), (156, 34315), (168, 34390), (171, 34399), (185, 34486), (194, 34558), (208, 34645), (214, 34663), (232, 34735), (235, 34747), (250, 34801), (252, 34813), (255, 34837), (275, 34915), (289, 34948), (293, 34963), (312, 35032), (323, 35071), (330, 35110), (335, 35131), (353, 35230),

Gene: Demodog_258 Start: 144673, Stop: 146106, Start Num: 53
Candidate Starts for Demodog_258:
(47, 144649), (53, 144673), (Start: 54 @144676 has 180 MA's), (79, 144766), (89, 144829), (103, 144952), (109, 144976), (134, 145060), (144, 145102), (156, 145144), (183, 145309), (184, 145312), (228, 145567), (238, 145606), (244, 145636), (256, 145699), (260, 145720), (261, 145729), (263, 145732), (270, 145765), (278, 145780), (317, 145915), (334, 145990), (343, 146050),

Gene: Demsculpinboyz_35 Start: 25454, Stop: 26752, Start Num: 45
Candidate Starts for Demsculpinboyz_35:

(Start: 45 @25454 has 28 MA's), (67, 25526), (79, 25574), (82, 25592), (90, 25646), (111, 25763), (112, 25766), (136, 25868), (148, 25925), (164, 25979), (176, 26042), (184, 26105), (185, 26108), (200, 26222), (203, 26234), (213, 26297), (231, 26393), (256, 26510), (262, 26543), (267, 26555), (297, 26660), (307, 26693), (318, 26732),

Gene: Derek_246 Start: 143338, Stop: 144768, Start Num: 54
Candidate Starts for Derek_246:
(Start: 54 @143338 has 180 MA's), (79, 143428), (89, 143491), (103, 143614), (109, 143638), (134, 143722), (144, 143764), (156, 143806), (183, 143971), (184, 143974), (228, 144229), (238, 144268), (244, 144298), (256, 144361), (260, 144382), (261, 144391), (263, 144394), (270, 144427), (278, 144442), (317, 144577), (334, 144652), (342, 144709), (343, 144712),

Gene: Dessert_247 Start: 142337, Stop: 143767, Start Num: 54
Candidate Starts for Dessert_247:
(Start: 54 @142337 has 180 MA's), (79, 142427), (89, 142490), (103, 142613), (109, 142637), (134, 142721), (144, 142763), (156, 142805), (183, 142970), (184, 142973), (228, 143228), (238, 143267), (244, 143297), (256, 143360), (260, 143381), (261, 143390), (263, 143393), (270, 143426), (278, 143441), (317, 143576), (334, 143651), (342, 143708), (343, 143711),

Gene: Dietrick_239 Start: 141201, Stop: 142631, Start Num: 54
Candidate Starts for Dietrick_239:
(Start: 54 @141201 has 180 MA's), (79, 141291), (89, 141354), (103, 141477), (109, 141501), (134, 141585), (144, 141627), (156, 141669), (183, 141834), (184, 141837), (228, 142092), (238, 142131), (244, 142161), (256, 142224), (260, 142245), (261, 142254), (263, 142257), (270, 142290), (278, 142305), (317, 142440), (334, 142515), (342, 142572), (343, 142575),

Gene: Diminimus_36 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for Diminimus_36:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (86, 29897), (88, 29918), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343, 31106), (344, 31109), (350, 31145),

Gene: DirtMcgirt_31 Start: 26149, Stop: 27342, Start Num: 46
Candidate Starts for DirtMcgirt_31:
(Start: 46 @26149 has 160 MA's), (71, 26233), (96, 26383), (102, 26437), (124, 26530), (131, 26578), (219, 26659), (246, 26785), (247, 26791), (248, 26794), (269, 26905), (281, 26947), (291, 26983), (295, 27001), (304, 27037), (306, 27046), (336, 27160), (341, 27202), (344, 27211), (355, 27268), (357, 27271),

Gene: DirtMonster_239 Start: 141933, Stop: 143363, Start Num: 54
Candidate Starts for DirtMonster_239:
(Start: 54 @141933 has 180 MA's), (79, 142023), (89, 142086), (103, 142209), (109, 142233), (134, 142317), (144, 142359), (156, 142401), (183, 142566), (184, 142569), (228, 142824), (238, 142863), (244, 142893), (256, 142956), (260, 142977), (261, 142986), (263, 142989), (270, 143022), (278, 143037), (317, 143172), (334, 143247), (342, 143304), (343, 143307),

Gene: DoRead_31 Start: 26477, Stop: 27751, Start Num: 46
Candidate Starts for DoRead_31:
(Start: 46 @26477 has 160 MA's), (79, 26597), (91, 26669), (105, 26786), (107, 26789), (125, 26867), (142, 26948), (202, 26990), (218, 27068), (246, 27194), (247, 27200), (248, 27203), (253, 27239), (269, 27314), (281, 27356), (291, 27392), (292, 27395), (304, 27446), (306, 27455), (336, 27569),

(341, 27611), (344, 27620), (355, 27677), (357, 27680),

Gene: Domi_244 Start: 142540, Stop: 143970, Start Num: 54
Candidate Starts for Domi_244:
(Start: 54 @142540 has 180 MA's), (79, 142630), (80, 142633), (89, 142693), (103, 142816), (109, 142840), (134, 142924), (144, 142966), (156, 143008), (183, 143173), (184, 143176), (228, 143431), (238, 143470), (244, 143500), (256, 143563), (260, 143584), (261, 143593), (263, 143596), (270, 143629), (278, 143644), (317, 143779), (334, 143854), (342, 143911), (343, 143914),

Gene: Donkeykong_30 Start: 26497, Stop: 27708, Start Num: 46
Candidate Starts for Donkeykong_30:
(Start: 46 @26497 has 160 MA's), (71, 26581), (96, 26731), (102, 26785), (124, 26878), (131, 26926), (219, 27007), (246, 27133), (247, 27139), (253, 27178), (264, 27238), (269, 27253), (281, 27295), (291, 27331), (292, 27334), (295, 27349), (304, 27385), (306, 27394), (336, 27508), (357, 27619),

Gene: Doomphist_30 Start: 26448, Stop: 27641, Start Num: 46
Candidate Starts for Doomphist_30:
(Start: 46 @26448 has 160 MA's), (71, 26532), (96, 26682), (102, 26736), (131, 26877), (219, 26958), (246, 27084), (247, 27090), (248, 27093), (269, 27204), (281, 27246), (291, 27282), (304, 27336), (306, 27345), (336, 27459), (341, 27501), (344, 27510), (355, 27567), (357, 27570),

Gene: Doomslug_33 Start: 26203, Stop: 27357, Start Num: 46
Candidate Starts for Doomslug_33:
(14, 25930), (19, 25951), (Start: 46 @26203 has 160 MA's), (71, 26287), (96, 26437), (102, 26491), (131, 26632), (219, 26713), (246, 26839), (247, 26845), (253, 26884), (264, 26944), (269, 26959), (281, 27001), (291, 27037), (292, 27040), (304, 27091), (306, 27100), (336, 27214), (357, 27325), (361, 27346),

Gene: DosHalletts_32 Start: 26602, Stop: 27903, Start Num: 46
Candidate Starts for DosHalletts_32:
(Start: 46 @26602 has 160 MA's), (79, 26722), (91, 26794), (105, 26911), (107, 26914), (125, 26992), (142, 27073), (202, 27124), (236, 27301), (246, 27343), (248, 27352), (273, 27490), (336, 27721), (341, 27763), (344, 27772), (355, 27829), (357, 27832),

Gene: DotProduct_30 Start: 26315, Stop: 27508, Start Num: 46
Candidate Starts for DotProduct_30:
(Start: 46 @26315 has 160 MA's), (71, 26399), (96, 26549), (102, 26603), (124, 26696), (131, 26744), (219, 26825), (246, 26951), (247, 26957), (248, 26960), (253, 26996), (269, 27071), (281, 27113), (291, 27149), (292, 27152), (295, 27167), (304, 27203), (306, 27212), (336, 27326), (341, 27368), (344, 27377), (355, 27434), (357, 27437),

Gene: Doughnut_29 Start: 23220, Stop: 24878, Start Num: 43
Candidate Starts for Doughnut_29:
(Start: 43 @23220 has 4 MA's), (58, 23271), (59, 23274), (70, 23310), (79, 23346), (106, 23547), (114, 23577), (151, 23715), (166, 23787), (169, 23802), (180, 23868), (184, 23889), (196, 23991), (233, 24162), (240, 24198), (244, 24213), (256, 24276), (271, 24345), (286, 24378), (346, 24633), (369, 24783), (371, 24846),

Gene: DrPhinkDaddy_247 Start: 143765, Stop: 145195, Start Num: 54
Candidate Starts for DrPhinkDaddy_247:
(Start: 54 @143765 has 180 MA's), (79, 143855), (89, 143918), (103, 144041), (109, 144065), (134, 144149), (144, 144191), (156, 144233), (183, 144398), (184, 144401), (228, 144656), (238, 144695), (244, 144725), (256, 144788), (260, 144809), (261, 144818), (263, 144821), (270, 144854), (278,

144869), (317, 145004), (334, 145079), (342, 145136), (343, 145139),

Gene: Drago_31 Start: 26142, Stop: 27335, Start Num: 46
Candidate Starts for Drago_31:
(Start: 46 @26142 has 160 MA's), (71, 26226), (96, 26376), (102, 26430), (131, 26571), (219, 26652), (246, 26778), (247, 26784), (269, 26898), (281, 26940), (291, 26976), (295, 26994), (304, 27030), (306, 27039), (336, 27153), (341, 27195), (344, 27204), (355, 27261), (357, 27264),

Gene: Drazdys_247 Start: 143345, Stop: 144775, Start Num: 54
Candidate Starts for Drazdys_247:
(Start: 54 @143345 has 180 MA's), (79, 143435), (89, 143498), (103, 143621), (109, 143645), (134, 143729), (144, 143771), (156, 143813), (183, 143978), (184, 143981), (228, 144236), (238, 144275), (244, 144305), (256, 144368), (260, 144389), (261, 144398), (263, 144401), (270, 144434), (278, 144449), (317, 144584), (334, 144659), (342, 144716), (343, 144719),

Gene: Duckfeet_244 Start: 142142, Stop: 143572, Start Num: 54
Candidate Starts for Duckfeet_244:
(40, 142100), (Start: 54 @142142 has 180 MA's), (79, 142232), (89, 142295), (103, 142418), (109, 142442), (134, 142526), (144, 142568), (156, 142610), (183, 142775), (184, 142778), (228, 143033), (238, 143072), (244, 143102), (256, 143165), (260, 143186), (261, 143195), (263, 143198), (270, 143231), (278, 143246), (317, 143381), (334, 143456), (343, 143516),

Gene: Dulcita_36 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for Dulcita_36:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (86, 29897), (88, 29918), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343, 31106), (344, 31109), (350, 31145),

Gene: ET08_236 Start: 141669, Stop: 143099, Start Num: 54
Candidate Starts for ET08_236:
(40, 141627), (Start: 54 @141669 has 180 MA's), (79, 141759), (89, 141822), (103, 141945), (109, 141969), (134, 142053), (144, 142095), (156, 142137), (183, 142302), (184, 142305), (228, 142560), (238, 142599), (244, 142629), (256, 142692), (260, 142713), (261, 142722), (263, 142725), (270, 142758), (278, 142773), (317, 142908), (334, 142983), (343, 143043),

Gene: EasyJones_251 Start: 141721, Stop: 143151, Start Num: 54
Candidate Starts for EasyJones_251:
(Start: 54 @141721 has 180 MA's), (79, 141811), (89, 141874), (103, 141997), (109, 142021), (134, 142105), (144, 142147), (156, 142189), (183, 142354), (184, 142357), (228, 142612), (238, 142651), (244, 142681), (256, 142744), (260, 142765), (261, 142774), (263, 142777), (270, 142810), (278, 142825), (317, 142960), (334, 143035), (342, 143092), (343, 143095),

Gene: EggyFarm_258 Start: 144560, Stop: 145990, Start Num: 54
Candidate Starts for EggyFarm_258:
(Start: 54 @144560 has 180 MA's), (79, 144650), (89, 144713), (103, 144836), (109, 144860), (134, 144944), (144, 144986), (156, 145028), (183, 145193), (184, 145196), (228, 145451), (238, 145490), (244, 145520), (256, 145583), (260, 145604), (261, 145613), (263, 145616), (270, 145649), (278, 145664), (317, 145799), (334, 145874), (342, 145931), (343, 145934),

Gene: Eish_30 Start: 26467, Stop: 27633, Start Num: 46
Candidate Starts for Eish_30:

(14, 26194), (16, 26197), (Start: 46 @26467 has 160 MA's), (71, 26551), (96, 26701), (102, 26755), (131, 26896), (219, 26977), (246, 27103), (247, 27109), (253, 27148), (264, 27208), (269, 27223), (281, 27265), (291, 27301), (292, 27304), (304, 27355), (306, 27364), (336, 27478),

Gene: EleanorGeorge_30 Start: 26637, Stop: 27908, Start Num: 45
Candidate Starts for EleanorGeorge_30:
(12, 26364), (13, 26367), (Start: 45 @26637 has 28 MA's), (79, 26754), (111, 26943), (112, 26946), (128, 27024), (148, 27105), (164, 27156), (170, 27195), (176, 27219), (184, 27282), (185, 27285), (196, 27390), (203, 27411), (213, 27474), (220, 27504), (231, 27561), (256, 27678), (262, 27711),

Gene: EmToTheThree_251 Start: 143553, Stop: 144983, Start Num: 54
Candidate Starts for EmToTheThree_251:
(Start: 54 @143553 has 180 MA's), (79, 143643), (89, 143706), (103, 143829), (109, 143853), (134, 143937), (144, 143979), (156, 144021), (183, 144186), (184, 144189), (228, 144444), (238, 144483), (244, 144513), (256, 144576), (260, 144597), (261, 144606), (263, 144609), (270, 144642), (278, 144657), (317, 144792), (334, 144867), (342, 144924), (343, 144927),

Gene: EmiMonkey_31 Start: 27860, Stop: 29131, Start Num: 46
Candidate Starts for EmiMonkey_31:
(Start: 46 @27860 has 160 MA's), (79, 27977), (91, 28049), (105, 28166), (107, 28169), (125, 28247), (142, 28328), (202, 28370), (218, 28448), (246, 28574), (264, 28679), (269, 28694), (281, 28736), (291, 28772), (292, 28775), (304, 28826), (306, 28835), (336, 28949), (341, 28991), (344, 29000), (355, 29057), (357, 29060),

Gene: Emma_32 Start: 26896, Stop: 28128, Start Num: 46
Candidate Starts for Emma_32:
(Start: 46 @26896 has 160 MA's), (79, 27013), (91, 27085), (105, 27202), (107, 27205), (125, 27283), (142, 27364), (202, 27406), (218, 27484), (246, 27610), (247, 27616), (248, 27619), (253, 27655), (269, 27730), (281, 27772), (292, 27811), (295, 27826), (304, 27862), (306, 27871), (336, 27985), (357, 28096), (363, 28117),

Gene: EmmaElysia_255 Start: 144216, Stop: 145646, Start Num: 54
Candidate Starts for EmmaElysia_255:
(Start: 54 @144216 has 180 MA's), (79, 144306), (89, 144369), (103, 144492), (109, 144516), (134, 144600), (144, 144642), (156, 144684), (183, 144849), (184, 144852), (228, 145107), (238, 145146), (244, 145176), (256, 145239), (260, 145260), (261, 145269), (263, 145272), (270, 145305), (278, 145320), (317, 145455), (334, 145530), (342, 145587), (343, 145590),

Gene: Emmaloid_32 Start: 27707, Stop: 28900, Start Num: 46
Candidate Starts for Emmaloid_32:
(Start: 46 @27707 has 160 MA's), (71, 27791), (96, 27941), (102, 27995), (131, 28136), (219, 28217), (246, 28343), (247, 28349), (248, 28352), (253, 28388), (269, 28463), (281, 28505), (291, 28541), (306, 28604), (336, 28718), (341, 28760), (344, 28769), (355, 28826), (357, 28829),

Gene: Empress_31 Start: 27662, Stop: 28933, Start Num: 46
Candidate Starts for Empress_31:
(Start: 46 @27662 has 160 MA's), (79, 27779), (91, 27851), (105, 27968), (107, 27971), (125, 28049), (142, 28130), (202, 28172), (218, 28250), (246, 28376), (247, 28382), (248, 28385), (269, 28496), (281, 28538), (292, 28577), (295, 28592), (304, 28628), (306, 28637), (336, 28751), (341, 28793), (355, 28859), (357, 28862),

Gene: Enby_31 Start: 26166, Stop: 27437, Start Num: 45
Candidate Starts for Enby_31:

(Start: 45 @26166 has 28 MA's), (79, 26283), (111, 26472), (112, 26475), (128, 26553), (148, 26634), (164, 26685), (170, 26724), (176, 26748), (184, 26811), (185, 26814), (196, 26919), (203, 26940), (213, 27003), (220, 27033), (231, 27090), (256, 27207), (262, 27240),

Gene: Enzomatic_34 Start: 26505, Stop: 27698, Start Num: 46
Candidate Starts for Enzomatic_34:
(14, 26232), (20, 26253), (Start: 46 @26505 has 160 MA's), (71, 26589), (96, 26739), (102, 26793), (131, 26934), (219, 27015), (246, 27141), (247, 27147), (253, 27186), (264, 27246), (269, 27261), (281, 27303), (291, 27339), (292, 27342), (295, 27357), (304, 27393), (306, 27402), (336, 27516), (341, 27558), (344, 27567), (355, 27624), (357, 27627),

Gene: Epah_42 Start: 39523, Stop: 41259, Start Num: 33
Candidate Starts for Epah_42:
(Start: 33 @39523 has 28 MA's), (51, 39598), (56, 39616), (63, 39637), (68, 39652), (83, 39724), (94, 39817), (103, 39889), (109, 39913), (127, 40000), (130, 40015), (174, 40198), (183, 40279), (192, 40360), (196, 40384), (197, 40387), (206, 40429), (230, 40540), (231, 40549), (234, 40558), (251, 40654), (256, 40693), (273, 40762), (286, 40786), (293, 40813), (298, 40843), (322, 40921), (325, 40945), (329, 40963), (330, 40966), (335, 40990), (340, 41035), (359, 41119),

Gene: Eradicator_30 Start: 26355, Stop: 27626, Start Num: 46
Candidate Starts for Eradicator_30:
(Start: 46 @26355 has 160 MA's), (79, 26472), (91, 26544), (105, 26661), (107, 26664), (125, 26742), (142, 26823), (202, 26865), (218, 26943), (246, 27069), (247, 27075), (248, 27078), (269, 27189), (281, 27231), (292, 27270), (295, 27285), (304, 27321), (306, 27330), (336, 27444), (341, 27486), (344, 27495), (355, 27552), (357, 27555),

Gene: Erdmann_252 Start: 143521, Stop: 144951, Start Num: 54
Candidate Starts for Erdmann_252:
(Start: 54 @143521 has 180 MA's), (79, 143611), (89, 143674), (103, 143797), (109, 143821), (134, 143905), (144, 143947), (156, 143989), (183, 144154), (184, 144157), (228, 144412), (238, 144451), (244, 144481), (256, 144544), (260, 144565), (261, 144574), (263, 144577), (270, 144610), (278, 144625), (317, 144760), (334, 144835), (342, 144892), (343, 144895),

Gene: ErnieJ_244 Start: 140349, Stop: 141779, Start Num: 54
Candidate Starts for ErnieJ_244:
(Start: 54 @140349 has 180 MA's), (79, 140439), (89, 140502), (103, 140625), (109, 140649), (134, 140733), (144, 140775), (156, 140817), (183, 140982), (184, 140985), (228, 141240), (238, 141279), (244, 141309), (256, 141372), (260, 141393), (261, 141402), (263, 141405), (270, 141438), (278, 141453), (317, 141588), (334, 141663), (342, 141720), (343, 141723),

Gene: Essence_248 Start: 142557, Stop: 143987, Start Num: 54
Candidate Starts for Essence_248:
(Start: 54 @142557 has 180 MA's), (79, 142647), (89, 142710), (103, 142833), (109, 142857), (134, 142941), (144, 142983), (156, 143025), (183, 143190), (184, 143193), (228, 143448), (238, 143487), (244, 143517), (256, 143580), (260, 143601), (261, 143610), (263, 143613), (270, 143646), (278, 143661), (317, 143796), (334, 143871), (342, 143928), (343, 143931),

Gene: Estave1_28 Start: 25767, Stop: 27038, Start Num: 46
Candidate Starts for Estave1_28:
(Start: 46 @25767 has 160 MA's), (79, 25884), (91, 25956), (105, 26073), (107, 26076), (125, 26154), (142, 26235), (202, 26277), (218, 26355), (227, 26409), (246, 26481), (247, 26487), (248, 26490), (253, 26526), (269, 26601), (281, 26643), (291, 26679), (304, 26733), (306, 26742), (336, 26856), (341, 26898), (344, 26907), (355, 26964), (357, 26967),

Gene: Estes_41 Start: 31074, Stop: 32489, Start Num: 42
Candidate Starts for Estes_41:
(Start: 42 @31074 has 6 MA's), (57, 31128), (60, 31134), (70, 31164), (79, 31200), (108, 31401), (118, 31431), (126, 31449), (139, 31500), (143, 31515), (182, 31704), (186, 31731), (189, 31746), (201, 31821), (206, 31854), (216, 31905), (234, 31983), (275, 32160), (286, 32184), (287, 32187), (312, 32280), (317, 32301), (337, 32394), (348, 32457),

Gene: Ewok_249 Start: 143015, Stop: 144445, Start Num: 54
Candidate Starts for Ewok_249:
(Start: 54 @143015 has 180 MA's), (79, 143105), (89, 143168), (103, 143291), (109, 143315), (134, 143399), (144, 143441), (156, 143483), (183, 143648), (184, 143651), (228, 143906), (238, 143945), (244, 143975), (256, 144038), (260, 144059), (261, 144068), (263, 144071), (270, 144104), (278, 144119), (317, 144254), (334, 144329), (342, 144386), (343, 144389),

Gene: Fanaw_42 Start: 40220, Stop: 41956, Start Num: 33
Candidate Starts for Fanaw_42:
(Start: 33 @40220 has 28 MA's), (39, 40265), (51, 40295), (56, 40313), (63, 40334), (68, 40349), (83, 40421), (94, 40514), (103, 40586), (109, 40610), (127, 40697), (130, 40712), (175, 40901), (183, 40976), (192, 41057), (196, 41081), (197, 41084), (230, 41237), (231, 41246), (234, 41255), (251, 41351), (256, 41390), (273, 41459), (286, 41483), (293, 41510), (298, 41540), (322, 41618), (325, 41642), (329, 41660), (330, 41663), (335, 41687), (340, 41732), (359, 41816),

Gene: Fancypants_30 Start: 26335, Stop: 27528, Start Num: 46
Candidate Starts for Fancypants_30:
(20, 26083), (Start: 46 @26335 has 160 MA's), (71, 26419), (96, 26569), (102, 26623), (131, 26764), (219, 26845), (246, 26971), (247, 26977), (253, 27016), (257, 27046), (269, 27091), (281, 27133), (291, 27169), (292, 27172), (304, 27223), (306, 27232), (336, 27346), (341, 27388), (344, 27397), (355, 27454), (357, 27457),

Gene: FeliMaine_56 Start: 30945, Stop: 32324, Start Num: 45
Candidate Starts for FeliMaine_56:
(Start: 45 @30945 has 28 MA's), (Start: 61 @31002 has 3 MA's), (72, 31038), (76, 31062), (79, 31074), (94, 31197), (99, 31239), (112, 31311), (117, 31335), (119, 31341), (136, 31422), (154, 31491), (155, 31494), (164, 31530), (169, 31566), (181, 31638), (183, 31656), (184, 31659), (200, 31776), (204, 31806), (231, 31938), (237, 31959), (244, 31992), (255, 32046), (256, 32052), (290, 32172), (296, 32202), (301, 32223), (313, 32253),

Gene: Filuzino_30 Start: 26324, Stop: 27478, Start Num: 46
Candidate Starts for Filuzino_30:
(14, 26051), (16, 26054), (Start: 46 @26324 has 160 MA's), (71, 26408), (96, 26558), (102, 26612), (131, 26753), (219, 26834), (246, 26960), (247, 26966), (253, 27005), (264, 27065), (269, 27080), (281, 27122), (291, 27158), (292, 27161), (304, 27212), (306, 27221), (336, 27335), (357, 27446), (361, 27467),

Gene: Firehouse51_31 Start: 27046, Stop: 28314, Start Num: 45
Candidate Starts for Firehouse51_31:
(Start: 45 @27046 has 28 MA's), (79, 27163), (90, 27235), (111, 27352), (112, 27355), (128, 27433), (148, 27514), (164, 27565), (170, 27604), (176, 27628), (184, 27691), (185, 27694), (196, 27799), (203, 27820), (213, 27883), (220, 27913), (231, 27970), (256, 28087), (262, 28120),

Gene: Fixie_251 Start: 143786, Stop: 145216, Start Num: 54
Candidate Starts for Fixie_251:

(Start: 54 @143786 has 180 MA's), (79, 143876), (89, 143939), (103, 144062), (109, 144086), (134, 144170), (144, 144212), (156, 144254), (183, 144419), (184, 144422), (228, 144677), (238, 144716), (244, 144746), (256, 144809), (260, 144830), (261, 144839), (263, 144842), (270, 144875), (278, 144890), (317, 145025), (334, 145100), (342, 145157), (343, 145160),

Gene: Flabslab_245 Start: 139614, Stop: 141044, Start Num: 54
Candidate Starts for Flabslab_245:
(47, 139587), (Start: 54 @139614 has 180 MA's), (79, 139704), (89, 139767), (103, 139890), (109, 139914), (134, 139998), (144, 140040), (156, 140082), (183, 140247), (184, 140250), (228, 140505), (238, 140544), (244, 140574), (256, 140637), (260, 140658), (261, 140667), (263, 140670), (270, 140703), (278, 140718), (317, 140853), (334, 140928), (343, 140988),

Gene: Flathead_30 Start: 26362, Stop: 27528, Start Num: 46
Candidate Starts for Flathead_30:
(14, 26089), (16, 26092), (Start: 46 @26362 has 160 MA's), (71, 26446), (96, 26596), (102, 26650), (131, 26791), (219, 26872), (246, 26998), (247, 27004), (253, 27043), (264, 27103), (269, 27118), (281, 27160), (291, 27196), (292, 27199), (304, 27250), (306, 27259), (336, 27373), (357, 27484),

Gene: Florinda_30 Start: 26327, Stop: 27520, Start Num: 46
Candidate Starts for Florinda_30:
(Start: 46 @26327 has 160 MA's), (71, 26411), (96, 26561), (102, 26615), (131, 26756), (219, 26837), (246, 26963), (247, 26969), (248, 26972), (269, 27083), (281, 27125), (291, 27161), (295, 27179), (304, 27215), (306, 27224), (336, 27338), (341, 27380), (344, 27389), (355, 27446), (357, 27449),

Gene: Fludd_250 Start: 141433, Stop: 142863, Start Num: 54
Candidate Starts for Fludd_250:
(Start: 54 @141433 has 180 MA's), (79, 141523), (89, 141586), (103, 141709), (109, 141733), (134, 141817), (144, 141859), (156, 141901), (183, 142066), (184, 142069), (228, 142324), (238, 142363), (244, 142393), (256, 142456), (260, 142477), (261, 142486), (263, 142489), (270, 142522), (278, 142537), (317, 142672), (334, 142747), (342, 142804), (343, 142807),

Gene: Fongie_250 Start: 143013, Stop: 144443, Start Num: 54
Candidate Starts for Fongie_250:
(Start: 54 @143013 has 180 MA's), (79, 143103), (89, 143166), (103, 143289), (109, 143313), (134, 143397), (144, 143439), (156, 143481), (183, 143646), (184, 143649), (228, 143904), (238, 143943), (244, 143973), (256, 144036), (260, 144057), (261, 144066), (263, 144069), (270, 144102), (278, 144117), (317, 144252), (334, 144327), (342, 144384), (343, 144387),

Gene: Fortunato_44 Start: 40578, Stop: 42314, Start Num: 33
Candidate Starts for Fortunato_44:
(Start: 33 @40578 has 28 MA's), (51, 40653), (56, 40671), (63, 40692), (68, 40707), (83, 40779), (94, 40872), (103, 40944), (109, 40968), (127, 41055), (130, 41070), (174, 41253), (183, 41334), (192, 41415), (196, 41439), (197, 41442), (206, 41484), (230, 41595), (231, 41604), (234, 41613), (251, 41709), (256, 41748), (273, 41817), (286, 41841), (293, 41868), (298, 41898), (322, 41976), (325, 42000), (329, 42018), (330, 42021), (335, 42045), (340, 42090), (359, 42174),

Gene: FoxtrotP1_249 Start: 144107, Stop: 145537, Start Num: 54
Candidate Starts for FoxtrotP1_249:
(Start: 54 @144107 has 180 MA's), (79, 144197), (89, 144260), (103, 144383), (109, 144407), (134, 144491), (144, 144533), (156, 144575), (183, 144740), (184, 144743), (228, 144998), (238, 145037), (244, 145067), (256, 145130), (260, 145151), (261, 145160), (263, 145163), (270, 145196), (278, 145211), (317, 145346), (334, 145421), (342, 145478), (343, 145481),

Gene: Frankie_33 Start: 26909, Stop: 28665, Start Num: 35
Candidate Starts for Frankie_33:
(32, 26888), (Start: 35 @26909 has 1 MA's), (52, 26990), (62, 27029), (74, 27080), (84, 27122), (85, 27125), (91, 27170), (121, 27365), (123, 27374), (129, 27419), (145, 27497), (151, 27518), (158, 27563), (163, 27647), (172, 27704), (191, 27872), (211, 27992), (223, 28046), (242, 28133), (243, 28136), (245, 28139), (316, 28433), (328, 28487), (349, 28598),

Gene: FrayBell_253 Start: 141564, Stop: 142994, Start Num: 54
Candidate Starts for FrayBell_253:
(Start: 54 @141564 has 180 MA's), (79, 141654), (80, 141657), (89, 141717), (103, 141840), (109, 141864), (134, 141948), (144, 141990), (156, 142032), (183, 142197), (184, 142200), (228, 142455), (238, 142494), (244, 142524), (256, 142587), (260, 142608), (261, 142617), (263, 142620), (270, 142653), (278, 142668), (317, 142803), (334, 142878), (342, 142935), (343, 142938),

Gene: FreakyGoo_36 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for FreakyGoo_36:
(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: FreddyB_30 Start: 26513, Stop: 27784, Start Num: 46
Candidate Starts for FreddyB_30:
(Start: 46 @26513 has 160 MA's), (79, 26630), (91, 26702), (105, 26819), (107, 26822), (125, 26900), (142, 26981), (202, 27023), (218, 27101), (246, 27227), (264, 27332), (269, 27347), (281, 27389), (291, 27425), (292, 27428), (304, 27479), (306, 27488), (336, 27602), (341, 27644), (344, 27653), (355, 27710), (357, 27713),

Gene: Frederick_44 Start: 40560, Stop: 42290, Start Num: 33
Candidate Starts for Frederick_44:
(Start: 33 @40560 has 28 MA's), (51, 40635), (56, 40653), (63, 40674), (68, 40689), (83, 40761), (94, 40854), (103, 40914), (109, 40938), (127, 41025), (130, 41040), (174, 41223), (183, 41304), (192, 41385), (196, 41409), (197, 41412), (206, 41454), (230, 41565), (231, 41574), (234, 41583), (251, 41679), (256, 41718), (273, 41787), (286, 41811), (293, 41838), (298, 41868), (322, 41946), (325, 41970), (329, 41988), (330, 41991), (335, 42015), (340, 42060), (359, 42144),

Gene: Fruitloop_29 Start: 26518, Stop: 27672, Start Num: 46
Candidate Starts for Fruitloop_29:
(14, 26245), (16, 26248), (Start: 46 @26518 has 160 MA's), (71, 26602), (96, 26752), (102, 26806), (131, 26947), (219, 27028), (246, 27154), (247, 27160), (253, 27199), (264, 27259), (269, 27274), (281, 27316), (291, 27352), (292, 27355), (304, 27406), (306, 27415), (336, 27529), (357, 27640), (361, 27661),

Gene: FudgeTart_246 Start: 142611, Stop: 144041, Start Num: 54
Candidate Starts for FudgeTart_246:
(Start: 54 @142611 has 180 MA's), (79, 142701), (89, 142764), (103, 142887), (109, 142911), (134, 142995), (144, 143037), (156, 143079), (183, 143244), (184, 143247), (228, 143502), (238, 143541), (244, 143571), (256, 143634), (260, 143655), (261, 143664), (263, 143667), (270, 143700), (278, 143715), (317, 143850), (334, 143925), (342, 143982), (343, 143985),

Gene: GUmbie_30 Start: 26344, Stop: 27537, Start Num: 46
Candidate Starts for GUmbie_30:

(Start: 46 @26344 has 160 MA's), (71, 26428), (96, 26578), (102, 26632), (131, 26773), (219, 26854), (246, 26980), (247, 26986), (248, 26989), (253, 27025), (269, 27100), (281, 27142), (291, 27178), (306, 27241), (336, 27355), (341, 27397), (344, 27406), (355, 27463), (357, 27466),

Gene: Gabriel_253 Start: 141592, Stop: 143022, Start Num: 54
Candidate Starts for Gabriel_253:
(Start: 54 @141592 has 180 MA's), (79, 141682), (89, 141745), (103, 141868), (109, 141892), (134, 141976), (144, 142018), (156, 142060), (183, 142225), (184, 142228), (228, 142483), (238, 142522), (244, 142552), (256, 142615), (260, 142636), (261, 142645), (263, 142648), (270, 142681), (278, 142696), (317, 142831), (334, 142906), (342, 142963), (343, 142966),

Gene: Galactic_31 Start: 26523, Stop: 27770, Start Num: 46
Candidate Starts for Galactic_31:
(Start: 46 @26523 has 160 MA's), (79, 26643), (91, 26715), (105, 26832), (107, 26835), (125, 26913), (142, 26994), (202, 27036), (218, 27114), (246, 27240), (247, 27246), (253, 27285), (264, 27345), (269, 27360), (281, 27402), (291, 27438), (292, 27441), (304, 27492), (306, 27501), (336, 27615), (341, 27657), (344, 27666), (357, 27726),

Gene: Gamgam_252 Start: 141949, Stop: 143379, Start Num: 54
Candidate Starts for Gamgam_252:
(Start: 54 @141949 has 180 MA's), (79, 142039), (89, 142102), (103, 142225), (109, 142249), (134, 142333), (144, 142375), (156, 142417), (183, 142582), (184, 142585), (228, 142840), (238, 142879), (244, 142909), (256, 142972), (260, 142993), (261, 143002), (263, 143005), (270, 143038), (278, 143053), (317, 143188), (334, 143263), (342, 143320), (343, 143323),

Gene: Gandalph_31 Start: 26586, Stop: 27860, Start Num: 46
Candidate Starts for Gandalph_31:
(Start: 46 @26586 has 160 MA's), (79, 26706), (105, 26895), (107, 26898), (125, 26976), (142, 27057), (202, 27099), (218, 27177), (246, 27303), (247, 27309), (253, 27348), (264, 27408), (269, 27423), (279, 27459), (281, 27465), (291, 27501), (295, 27519), (304, 27555), (306, 27564), (336, 27678), (341, 27720), (344, 27729), (355, 27786), (357, 27789),

Gene: GardenSalsa_40 Start: 30898, Stop: 32313, Start Num: 42
Candidate Starts for GardenSalsa_40:
(Start: 42 @30898 has 6 MA's), (57, 30952), (60, 30958), (70, 30988), (79, 31024), (108, 31225), (118, 31255), (126, 31273), (139, 31324), (143, 31339), (161, 31411), (162, 31417), (182, 31528), (186, 31555), (189, 31570), (201, 31645), (206, 31678), (216, 31729), (234, 31807), (275, 31984), (286, 32008), (287, 32011), (312, 32104), (317, 32125), (325, 32158), (337, 32218), (348, 32281),

Gene: Gattaca_53 Start: 30124, Stop: 31503, Start Num: 45
Candidate Starts for Gattaca_53:
(Start: 45 @30124 has 28 MA's), (Start: 61 @30181 has 3 MA's), (72, 30217), (76, 30241), (79, 30253), (94, 30376), (99, 30418), (112, 30490), (117, 30514), (119, 30520), (136, 30601), (154, 30670), (155, 30673), (164, 30709), (169, 30745), (181, 30817), (183, 30835), (184, 30838), (200, 30955), (204, 30985), (231, 31117), (237, 31138), (244, 31171), (255, 31225), (256, 31231), (290, 31351), (296, 31381), (301, 31402), (313, 31432),

Gene: GenevaB15_40 Start: 30943, Stop: 32358, Start Num: 42
Candidate Starts for GenevaB15_40:
(Start: 42 @30943 has 6 MA's), (57, 30997), (60, 31003), (70, 31033), (79, 31069), (108, 31270), (118, 31300), (126, 31318), (139, 31369), (143, 31384), (182, 31573), (186, 31600), (189, 31615), (201, 31690), (206, 31723), (216, 31774), (275, 32029), (286, 32053), (287, 32056), (312, 32149), (317, 32170), (325, 32203), (337, 32263), (348, 32326),

Gene: Geralt_30 Start: 26327, Stop: 27520, Start Num: 46
Candidate Starts for Geralt_30:
(20, 26075), (Start: 46 @26327 has 160 MA's), (71, 26411), (96, 26561), (102, 26615), (131, 26756), (219, 26837), (246, 26963), (253, 27008), (269, 27083), (281, 27125), (291, 27161), (292, 27164), (304, 27215), (306, 27224), (336, 27338), (341, 27380), (344, 27389), (355, 27446), (357, 27449),

Gene: Ghost_250 Start: 142573, Stop: 144003, Start Num: 54
Candidate Starts for Ghost_250:
(Start: 54 @142573 has 180 MA's), (79, 142663), (89, 142726), (103, 142849), (109, 142873), (134, 142957), (144, 142999), (156, 143041), (183, 143206), (184, 143209), (228, 143464), (238, 143503), (244, 143533), (256, 143596), (260, 143617), (261, 143626), (263, 143629), (270, 143662), (278, 143677), (317, 143812), (334, 143887), (342, 143944), (343, 143947),

Gene: GigiOuiOui_30 Start: 26456, Stop: 27649, Start Num: 46
Candidate Starts for GigiOuiOui_30:
(Start: 46 @26456 has 160 MA's), (71, 26540), (96, 26690), (102, 26744), (131, 26885), (219, 26966), (246, 27092), (247, 27098), (248, 27101), (253, 27137), (269, 27212), (281, 27254), (291, 27290), (306, 27353), (336, 27467), (341, 27509), (344, 27518), (355, 27575), (357, 27578),

Gene: GinPorsche_43 Start: 39523, Stop: 41259, Start Num: 33
Candidate Starts for GinPorsche_43:
(Start: 33 @39523 has 28 MA's), (51, 39598), (56, 39616), (63, 39637), (68, 39652), (83, 39724), (94, 39817), (103, 39889), (109, 39913), (127, 40000), (130, 40015), (174, 40198), (183, 40279), (192, 40360), (196, 40384), (197, 40387), (206, 40429), (230, 40540), (231, 40549), (234, 40558), (251, 40654), (256, 40693), (273, 40762), (286, 40786), (293, 40813), (298, 40843), (322, 40921), (325, 40945), (329, 40963), (330, 40966), (335, 40990), (340, 41035), (359, 41119),

Gene: Girafales_31 Start: 26135, Stop: 27328, Start Num: 46
Candidate Starts for Girafales_31:
(Start: 46 @26135 has 160 MA's), (71, 26219), (96, 26369), (102, 26423), (131, 26564), (219, 26645), (246, 26771), (247, 26777), (248, 26780), (269, 26891), (281, 26933), (291, 26969), (295, 26987), (304, 27023), (306, 27032), (336, 27146), (341, 27188), (344, 27197), (355, 27254), (357, 27257),

Gene: Girr_31 Start: 26444, Stop: 27691, Start Num: 46
Candidate Starts for Girr_31:
(Start: 46 @26444 has 160 MA's), (79, 26564), (91, 26636), (105, 26753), (107, 26756), (125, 26834), (142, 26915), (202, 26957), (218, 27035), (246, 27161), (253, 27206), (264, 27266), (269, 27281), (281, 27323), (291, 27359), (304, 27413), (306, 27422), (336, 27536), (357, 27647),

Gene: Gizmo_256 Start: 145438, Stop: 146868, Start Num: 54
Candidate Starts for Gizmo_256:
(Start: 54 @145438 has 180 MA's), (79, 145528), (89, 145591), (103, 145714), (109, 145738), (134, 145822), (144, 145864), (156, 145906), (183, 146071), (184, 146074), (228, 146329), (238, 146368), (244, 146398), (256, 146461), (260, 146482), (261, 146491), (263, 146494), (270, 146527), (278, 146542), (317, 146677), (334, 146752), (342, 146809), (343, 146812),

Gene: Glaske16_36 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for Glaske16_36:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (86, 29897), (88, 29918), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343,

31106), (344, 31109), (350, 31145),

Gene: GlutenPhree_251 Start: 141960, Stop: 143390, Start Num: 54
Candidate Starts for GlutenPhree_251:
(Start: 54 @141960 has 180 MA's), (79, 142050), (89, 142113), (103, 142236), (109, 142260), (134, 142344), (144, 142386), (156, 142428), (183, 142593), (184, 142596), (228, 142851), (238, 142890), (244, 142920), (256, 142983), (260, 143004), (261, 143013), (263, 143016), (270, 143049), (278, 143064), (317, 143199), (334, 143274), (342, 143331), (343, 143334),

Gene: GoongGoong_53 Start: 29923, Stop: 31302, Start Num: 45
Candidate Starts for GoongGoong_53:
(Start: 45 @29923 has 28 MA's), (Start: 61 @29980 has 3 MA's), (72, 30016), (76, 30040), (79, 30052), (94, 30175), (99, 30217), (112, 30289), (117, 30313), (119, 30319), (136, 30400), (154, 30469), (155, 30472), (164, 30508), (169, 30544), (181, 30616), (183, 30634), (184, 30637), (200, 30754), (204, 30784), (231, 30916), (237, 30937), (244, 30970), (255, 31024), (256, 31030), (290, 31150), (296, 31180), (301, 31201), (313, 31231),

Gene: Gorge_30 Start: 26480, Stop: 27751, Start Num: 46
Candidate Starts for Gorge_30:
(Start: 46 @26480 has 160 MA's), (79, 26597), (91, 26669), (105, 26786), (107, 26789), (125, 26867), (142, 26948), (202, 26990), (218, 27068), (246, 27194), (264, 27299), (269, 27314), (281, 27356), (291, 27392), (292, 27395), (304, 27446), (306, 27455), (336, 27569), (341, 27611), (344, 27620), (355, 27677), (357, 27680),

Gene: Grasshills_257 Start: 144559, Stop: 145989, Start Num: 54
Candidate Starts for Grasshills_257:
(Start: 54 @144559 has 180 MA's), (79, 144649), (89, 144712), (103, 144835), (109, 144859), (134, 144943), (144, 144985), (156, 145027), (183, 145192), (184, 145195), (228, 145450), (238, 145489), (244, 145519), (256, 145582), (260, 145603), (261, 145612), (263, 145615), (270, 145648), (278, 145663), (317, 145798), (334, 145873), (342, 145930), (343, 145933),

Gene: Grimmer_32 Start: 27049, Stop: 28242, Start Num: 46
Candidate Starts for Grimmer_32:
(Start: 46 @27049 has 160 MA's), (71, 27133), (96, 27283), (102, 27337), (131, 27478), (219, 27559), (246, 27685), (247, 27691), (248, 27694), (253, 27730), (269, 27805), (281, 27847), (291, 27883), (304, 27937), (306, 27946), (336, 28060), (341, 28102), (344, 28111), (355, 28168), (357, 28171),

Gene: Grungle_232 Start: 139838, Stop: 141268, Start Num: 54
Candidate Starts for Grungle_232:
(Start: 54 @139838 has 180 MA's), (79, 139928), (89, 139991), (103, 140114), (109, 140138), (134, 140222), (144, 140264), (156, 140306), (183, 140471), (184, 140474), (228, 140729), (238, 140768), (244, 140798), (256, 140861), (260, 140882), (261, 140891), (263, 140894), (270, 140927), (278, 140942), (317, 141077), (334, 141152), (342, 141209), (343, 141212),

Gene: Guppsters_32 Start: 26753, Stop: 28045, Start Num: 46
Candidate Starts for Guppsters_32:
(Start: 46 @26753 has 160 MA's), (79, 26873), (91, 26945), (105, 27062), (107, 27065), (120, 27119), (125, 27143), (142, 27224), (202, 27266), (218, 27344), (246, 27470), (247, 27476), (253, 27515), (264, 27575), (269, 27590), (281, 27632), (292, 27671), (295, 27686), (304, 27722), (306, 27731), (336, 27845), (357, 27956),

Gene: Guwapp_246 Start: 141407, Stop: 142837, Start Num: 54
Candidate Starts for Guwapp_246:

(Start: 54 @141407 has 180 MA's), (79, 141497), (80, 141500), (89, 141560), (103, 141683), (109, 141707), (134, 141791), (144, 141833), (156, 141875), (183, 142040), (184, 142043), (228, 142298), (238, 142337), (244, 142367), (256, 142430), (260, 142451), (261, 142460), (263, 142463), (270, 142496), (278, 142511), (317, 142646), (334, 142721), (342, 142778), (343, 142781),

Gene: Hades_31 Start: 26579, Stop: 27853, Start Num: 46
Candidate Starts for Hades_31:
(5, 26147), (6, 26150), (17, 26303), (Start: 46 @26579 has 160 MA's), (79, 26699), (91, 26771), (105, 26888), (107, 26891), (125, 26969), (142, 27050), (202, 27092), (218, 27170), (246, 27296), (247, 27302), (248, 27305), (269, 27416), (281, 27458), (291, 27494), (295, 27512), (304, 27548), (306, 27557), (336, 27671), (341, 27713), (344, 27722), (355, 27779), (357, 27782),

Gene: Halldule_242 Start: 141020, Stop: 142450, Start Num: 54
Candidate Starts for Halldule_242:
(Start: 54 @141020 has 180 MA's), (79, 141110), (89, 141173), (103, 141296), (109, 141320), (134, 141404), (144, 141446), (156, 141488), (183, 141653), (184, 141656), (228, 141911), (238, 141950), (244, 141980), (256, 142043), (260, 142064), (261, 142073), (263, 142076), (270, 142109), (278, 142124), (317, 142259), (334, 142334), (342, 142391), (343, 142394),

Gene: Hally898_42 Start: 39535, Stop: 41271, Start Num: 33
Candidate Starts for Hally898_42:
(Start: 33 @39535 has 28 MA's), (51, 39610), (56, 39628), (63, 39649), (68, 39664), (83, 39736), (94, 39829), (103, 39901), (109, 39925), (127, 40012), (130, 40027), (174, 40210), (183, 40291), (192, 40372), (196, 40396), (197, 40399), (206, 40441), (230, 40552), (231, 40561), (234, 40570), (251, 40666), (256, 40705), (273, 40774), (286, 40798), (293, 40825), (298, 40855), (322, 40933), (325, 40957), (329, 40975), (330, 40978), (335, 41002), (340, 41047), (359, 41131),

Gene: Hamulus_30 Start: 26480, Stop: 27646, Start Num: 46
Candidate Starts for Hamulus_30:
(8, 26087), (Start: 46 @26480 has 160 MA's), (71, 26564), (96, 26714), (102, 26768), (131, 26909), (219, 26990), (246, 27116), (247, 27122), (248, 27125), (253, 27161), (257, 27191), (269, 27236), (281, 27278), (291, 27314), (292, 27317), (304, 27368), (306, 27377), (336, 27491), (357, 27602),

Gene: Hangman_43 Start: 40576, Stop: 42312, Start Num: 33
Candidate Starts for Hangman_43:
(Start: 33 @40576 has 28 MA's), (51, 40651), (56, 40669), (63, 40690), (68, 40705), (83, 40777), (94, 40870), (103, 40942), (109, 40966), (127, 41053), (130, 41068), (175, 41257), (183, 41332), (192, 41413), (196, 41437), (197, 41440), (206, 41482), (230, 41593), (231, 41602), (234, 41611), (251, 41707), (256, 41746), (273, 41815), (286, 41839), (293, 41866), (298, 41896), (322, 41974), (325, 41998), (329, 42016), (330, 42019), (335, 42043), (340, 42088), (359, 42172),

Gene: Harley_30 Start: 26264, Stop: 27457, Start Num: 46
Candidate Starts for Harley_30:
(Start: 46 @26264 has 160 MA's), (71, 26348), (96, 26498), (102, 26552), (131, 26693), (219, 26774), (246, 26900), (247, 26906), (253, 26945), (269, 27020), (281, 27062), (291, 27098), (292, 27101), (304, 27152), (306, 27161), (336, 27275), (341, 27317), (344, 27326), (355, 27383), (357, 27386),

Gene: Heath_42 Start: 40183, Stop: 41907, Start Num: 33
Candidate Starts for Heath_42:
(Start: 33 @40183 has 28 MA's), (51, 40258), (56, 40276), (63, 40297), (68, 40312), (83, 40384), (94, 40477), (103, 40537), (109, 40561), (127, 40648), (130, 40663), (183, 40927), (192, 41008), (196, 41032), (197, 41035), (206, 41077), (230, 41188), (231, 41197), (234, 41206), (251, 41302), (256, 41341), (273, 41410), (286, 41434), (293, 41461), (298, 41491), (322, 41569), (325, 41593), (329,

41611), (330, 41614), (335, 41638), (340, 41683), (359, 41767),

Gene: Hlubikazi_30 Start: 26587, Stop: 27753, Start Num: 46
Candidate Starts for Hlubikazi_30:
(14, 26314), (16, 26317), (Start: 46 @26587 has 160 MA's), (71, 26671), (96, 26821), (102, 26875), (131, 27016), (219, 27097), (246, 27223), (247, 27229), (253, 27268), (269, 27343), (281, 27385), (291, 27421), (295, 27439), (304, 27475), (306, 27484), (336, 27598),

Gene: Huphlepuff_56 Start: 30508, Stop: 31887, Start Num: 45
Candidate Starts for Huphlepuff_56:
(Start: 45 @30508 has 28 MA's), (Start: 61 @30565 has 3 MA's), (72, 30601), (76, 30625), (79, 30637), (94, 30760), (99, 30802), (112, 30874), (117, 30898), (119, 30904), (136, 30985), (154, 31054), (155, 31057), (164, 31093), (169, 31129), (181, 31201), (183, 31219), (184, 31222), (200, 31339), (204, 31369), (231, 31501), (237, 31522), (244, 31555), (255, 31609), (256, 31615), (290, 31735), (296, 31765), (301, 31786), (313, 31816),

Gene: HyRo_235 Start: 141924, Stop: 143354, Start Num: 54
Candidate Starts for HyRo_235:
(Start: 54 @141924 has 180 MA's), (79, 142014), (89, 142077), (103, 142200), (109, 142224), (134, 142308), (144, 142350), (156, 142392), (183, 142557), (184, 142560), (228, 142815), (238, 142854), (244, 142884), (256, 142947), (260, 142968), (261, 142977), (263, 142980), (270, 143013), (278, 143028), (317, 143163), (334, 143238), (343, 143298),

Gene: Hydro_43 Start: 40593, Stop: 42329, Start Num: 33
Candidate Starts for Hydro_43:
(Start: 33 @40593 has 28 MA's), (51, 40668), (56, 40686), (63, 40707), (68, 40722), (83, 40794), (94, 40887), (103, 40959), (109, 40983), (127, 41070), (130, 41085), (175, 41274), (183, 41349), (192, 41430), (196, 41454), (197, 41457), (230, 41610), (231, 41619), (234, 41628), (251, 41724), (256, 41763), (273, 41832), (286, 41856), (293, 41883), (298, 41913), (322, 41991), (325, 42015), (329, 42033), (330, 42036), (340, 42105), (359, 42189),

Gene: I3_260 Start: 143715, Stop: 145145, Start Num: 54
Candidate Starts for I3_260:
(Start: 54 @143715 has 180 MA's), (79, 143805), (89, 143868), (103, 143991), (109, 144015), (134, 144099), (144, 144141), (156, 144183), (183, 144348), (184, 144351), (228, 144606), (238, 144645), (244, 144675), (256, 144738), (260, 144759), (261, 144768), (263, 144771), (270, 144804), (278, 144819), (317, 144954), (334, 145029), (342, 145086), (343, 145089),

Gene: IPhane7_35 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for IPhane7_35:
(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: IbOuu_31 Start: 26343, Stop: 27509, Start Num: 46
Candidate Starts for IbOuu_31:
(Start: 46 @26343 has 160 MA's), (71, 26427), (96, 26577), (102, 26631), (131, 26772), (219, 26853), (246, 26979), (247, 26985), (253, 27024), (264, 27084), (269, 27099), (281, 27141), (291, 27177), (292, 27180), (295, 27195), (304, 27231), (306, 27240), (336, 27354), (357, 27465),

Gene: Ibhubesi_30 Start: 26271, Stop: 27464, Start Num: 46

Candidate Starts for Ibhubesi_30:
(Start: 46 @26271 has 160 MA's), (71, 26355), (96, 26505), (102, 26559), (131, 26700), (219, 26781), (246, 26907), (247, 26913), (253, 26952), (269, 27027), (281, 27069), (291, 27105), (292, 27108), (304, 27159), (306, 27168), (336, 27282), (341, 27324), (344, 27333), (355, 27390), (357, 27393),

Gene: IkeLoa_244 Start: 142305, Stop: 143735, Start Num: 54
Candidate Starts for IkeLoa_244:
(Start: 54 @142305 has 180 MA's), (79, 142395), (80, 142398), (89, 142458), (103, 142581), (109, 142605), (134, 142689), (144, 142731), (156, 142773), (183, 142938), (184, 142941), (228, 143196), (238, 143235), (244, 143265), (256, 143328), (260, 143349), (261, 143358), (263, 143361), (270, 143394), (278, 143409), (317, 143544), (334, 143619), (342, 143676), (343, 143679),

Gene: Indlovu_45 Start: 39904, Stop: 41499, Start Num: 49
Candidate Starts for Indlovu_45:
(36, 39856), (Start: 49 @39904 has 2 MA's), (76, 40009), (79, 40021), (97, 40162), (100, 40201), (103, 40213), (122, 40288), (169, 40504), (174, 40522), (183, 40588), (192, 40669), (196, 40693), (230, 40837), (231, 40846), (256, 40987), (273, 41074), (287, 41107), (293, 41134), (311, 41200), (330, 41284),

Gene: InigoMontoya_254 Start: 142623, Stop: 144053, Start Num: 54
Candidate Starts for InigoMontoya_254:
(Start: 54 @142623 has 180 MA's), (79, 142713), (89, 142776), (103, 142899), (109, 142923), (134, 143007), (144, 143049), (156, 143091), (183, 143256), (184, 143259), (228, 143514), (238, 143553), (244, 143583), (256, 143646), (260, 143667), (261, 143676), (263, 143679), (270, 143712), (278, 143727), (317, 143862), (334, 143937), (342, 143994), (343, 143997),

Gene: InterFolia_252 Start: 143369, Stop: 144799, Start Num: 54
Candidate Starts for InterFolia_252:
(Start: 54 @143369 has 180 MA's), (79, 143459), (80, 143462), (89, 143522), (103, 143645), (109, 143669), (134, 143753), (144, 143795), (156, 143837), (183, 144002), (184, 144005), (228, 144260), (238, 144299), (244, 144329), (256, 144392), (260, 144413), (261, 144422), (263, 144425), (270, 144458), (278, 144473), (317, 144608), (334, 144683), (342, 144740), (343, 144743),

Gene: Iota_247 Start: 142335, Stop: 143765, Start Num: 54
Candidate Starts for Iota_247:
(Start: 54 @142335 has 180 MA's), (79, 142425), (89, 142488), (103, 142611), (109, 142635), (134, 142719), (144, 142761), (156, 142803), (183, 142968), (184, 142971), (228, 143226), (238, 143265), (244, 143295), (256, 143358), (260, 143379), (261, 143388), (263, 143391), (270, 143424), (278, 143439), (317, 143574), (334, 143649), (342, 143706), (343, 143709),

Gene: IrishSherpFalk_32 Start: 27838, Stop: 29112, Start Num: 46
Candidate Starts for IrishSherpFalk_32:
(Start: 46 @27838 has 160 MA's), (79, 27958), (105, 28147), (107, 28150), (125, 28228), (142, 28309), (202, 28351), (218, 28429), (246, 28555), (247, 28561), (264, 28660), (269, 28675), (281, 28717), (291, 28753), (295, 28771), (304, 28807), (306, 28816), (336, 28930), (341, 28972), (344, 28981), (355, 29038), (357, 29041),

Gene: Issimir_244 Start: 142710, Stop: 144140, Start Num: 54
Candidate Starts for Issimir_244:
(Start: 54 @142710 has 180 MA's), (79, 142800), (89, 142863), (103, 142986), (109, 143010), (134, 143094), (144, 143136), (156, 143178), (183, 143343), (184, 143346), (228, 143601), (238, 143640), (244, 143670), (256, 143733), (260, 143754), (261, 143763), (263, 143766), (270, 143799), (278, 143814), (317, 143949), (334, 144024), (343, 144084),

Gene: Izajani_246 Start: 143155, Stop: 144585, Start Num: 54
Candidate Starts for Izajani_246:
(Start: 54 @143155 has 180 MA's), (79, 143245), (89, 143308), (103, 143431), (109, 143455), (134, 143539), (144, 143581), (156, 143623), (183, 143788), (184, 143791), (228, 144046), (238, 144085), (244, 144115), (256, 144178), (260, 144199), (261, 144208), (263, 144211), (270, 144244), (278, 144259), (317, 144394), (334, 144469), (342, 144526), (343, 144529),

Gene: Izel_36 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for Izel_36:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (86, 29897), (88, 29918), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343, 31106), (344, 31109), (350, 31145),

Gene: JAMaL_43 Start: 40735, Stop: 42471, Start Num: 33
Candidate Starts for JAMaL_43:
(Start: 33 @40735 has 28 MA's), (51, 40810), (56, 40828), (63, 40849), (68, 40864), (83, 40936), (94, 41029), (103, 41101), (109, 41125), (130, 41227), (175, 41416), (183, 41491), (192, 41572), (196, 41596), (197, 41599), (206, 41641), (230, 41752), (231, 41761), (234, 41770), (251, 41866), (256, 41905), (273, 41974), (286, 41998), (293, 42025), (298, 42055), (322, 42133), (325, 42157), (329, 42175), (330, 42178), (335, 42202), (340, 42247), (359, 42331),

Gene: JPickles_248 Start: 141760, Stop: 143190, Start Num: 54
Candidate Starts for JPickles_248:
(Start: 54 @141760 has 180 MA's), (79, 141850), (89, 141913), (103, 142036), (109, 142060), (134, 142144), (144, 142186), (156, 142228), (183, 142393), (184, 142396), (228, 142651), (238, 142690), (244, 142720), (256, 142783), (260, 142804), (261, 142813), (263, 142816), (270, 142849), (278, 142864), (317, 142999), (334, 143074), (342, 143131), (343, 143134),

Gene: Jabbawokkie_38 Start: 26902, Stop: 28200, Start Num: 45
Candidate Starts for Jabbawokkie_38:
(Start: 45 @26902 has 28 MA's), (67, 26974), (79, 27022), (82, 27040), (90, 27094), (111, 27211), (112, 27214), (136, 27316), (148, 27373), (164, 27427), (176, 27490), (184, 27553), (185, 27556), (200, 27670), (203, 27682), (213, 27745), (231, 27841), (256, 27958), (262, 27991), (267, 28003), (297, 28108), (307, 28141), (318, 28180),

Gene: JaguarMi_43 Start: 40036, Stop: 41772, Start Num: 33
Candidate Starts for JaguarMi_43:
(Start: 33 @40036 has 28 MA's), (39, 40081), (51, 40111), (56, 40129), (63, 40150), (68, 40165), (83, 40237), (94, 40330), (103, 40402), (109, 40426), (127, 40513), (130, 40528), (163, 40648), (174, 40711), (175, 40717), (183, 40792), (192, 40873), (196, 40897), (197, 40900), (230, 41053), (231, 41062), (234, 41071), (256, 41206), (273, 41275), (285, 41293), (293, 41326), (298, 41356), (322, 41434), (325, 41458), (329, 41476), (335, 41503), (340, 41548), (351, 41602), (359, 41632),

Gene: JalFarm20_32 Start: 26866, Stop: 28603, Start Num: 46
Candidate Starts for JalFarm20_32:
(14, 26593), (19, 26614), (Start: 46 @26866 has 160 MA's), (71, 26950), (96, 27100), (102, 27154), (131, 27295), (140, 27328), (149, 27376), (159, 27475), (198, 27868), (229, 28021), (249, 28099), (258, 28162), (268, 28201), (302, 28333), (310, 28354), (319, 28390),

Gene: James_30 Start: 26476, Stop: 27711, Start Num: 46

Candidate Starts for James_30:
(Start: 46 @26476 has 160 MA's), (79, 26593), (91, 26665), (105, 26782), (107, 26785), (125, 26863), (142, 26944), (202, 26986), (218, 27064), (246, 27190), (269, 27310), (281, 27352), (291, 27388), (292, 27391), (304, 27442), (306, 27451), (336, 27565),

Gene: Janiyra_254 Start: 143297, Stop: 144727, Start Num: 54
Candidate Starts for Janiyra_254:
(Start: 54 @143297 has 180 MA's), (79, 143387), (89, 143450), (103, 143573), (109, 143597), (134, 143681), (144, 143723), (156, 143765), (183, 143930), (184, 143933), (228, 144188), (238, 144227), (244, 144257), (256, 144320), (260, 144341), (261, 144350), (263, 144353), (270, 144386), (278, 144401), (317, 144536), (334, 144611), (342, 144668), (343, 144671),

Gene: JayJay_250 Start: 142096, Stop: 143526, Start Num: 54
Candidate Starts for JayJay_250:
(Start: 54 @142096 has 180 MA's), (79, 142186), (89, 142249), (103, 142372), (109, 142396), (134, 142480), (144, 142522), (156, 142564), (183, 142729), (184, 142732), (228, 142987), (238, 143026), (244, 143056), (256, 143119), (260, 143140), (261, 143149), (263, 143152), (270, 143185), (278, 143200), (317, 143335), (334, 143410), (343, 143470),

Gene: Jaygup_247 Start: 142482, Stop: 143912, Start Num: 54
Candidate Starts for Jaygup_247:
(Start: 54 @142482 has 180 MA's), (79, 142572), (89, 142635), (103, 142758), (109, 142782), (134, 142866), (144, 142908), (156, 142950), (183, 143115), (184, 143118), (228, 143373), (238, 143412), (244, 143442), (256, 143505), (260, 143526), (261, 143535), (263, 143538), (270, 143571), (278, 143586), (317, 143721), (334, 143796), (342, 143853), (343, 143856),

Gene: Jedediah_252 Start: 143535, Stop: 144965, Start Num: 54
Candidate Starts for Jedediah_252:
(Start: 54 @143535 has 180 MA's), (79, 143625), (89, 143688), (103, 143811), (109, 143835), (134, 143919), (144, 143961), (156, 144003), (183, 144168), (184, 144171), (228, 144426), (238, 144465), (244, 144495), (256, 144558), (260, 144579), (261, 144588), (263, 144591), (270, 144624), (278, 144639), (317, 144774), (334, 144849), (342, 144906), (343, 144909),

Gene: Jemmno_250 Start: 142254, Stop: 143684, Start Num: 54
Candidate Starts for Jemmno_250:
(Start: 54 @142254 has 180 MA's), (79, 142344), (89, 142407), (103, 142530), (109, 142554), (134, 142638), (144, 142680), (156, 142722), (183, 142887), (184, 142890), (228, 143145), (238, 143184), (244, 143214), (256, 143277), (260, 143298), (261, 143307), (263, 143310), (270, 143343), (278, 143358), (317, 143493), (334, 143568), (342, 143625), (343, 143628),

Gene: Jessibeth14_250 Start: 143730, Stop: 145160, Start Num: 54
Candidate Starts for Jessibeth14_250:
(Start: 54 @143730 has 180 MA's), (79, 143820), (89, 143883), (103, 144006), (109, 144030), (134, 144114), (144, 144156), (156, 144198), (183, 144363), (184, 144366), (228, 144621), (238, 144660), (244, 144690), (256, 144753), (260, 144774), (261, 144783), (263, 144786), (270, 144819), (278, 144834), (317, 144969), (334, 145044), (343, 145104),

Gene: Jezreel_247 Start: 142799, Stop: 144229, Start Num: 54
Candidate Starts for Jezreel_247:
(Start: 54 @142799 has 180 MA's), (79, 142889), (89, 142952), (103, 143075), (109, 143099), (134, 143183), (144, 143225), (156, 143267), (183, 143432), (184, 143435), (228, 143690), (238, 143729), (244, 143759), (256, 143822), (260, 143843), (261, 143852), (263, 143855), (270, 143888), (278, 143903), (317, 144038), (334, 144113), (342, 144170), (343, 144173),

Gene: JigglyPuff_256 Start: 144225, Stop: 145655, Start Num: 54
Candidate Starts for JigglyPuff_256:
(Start: 54 @144225 has 180 MA's), (79, 144315), (89, 144378), (103, 144501), (109, 144525), (134, 144609), (144, 144651), (156, 144693), (183, 144858), (184, 144861), (228, 145116), (238, 145155), (244, 145185), (256, 145248), (260, 145269), (261, 145278), (263, 145281), (270, 145314), (278, 145329), (317, 145464), (334, 145539), (342, 145596), (343, 145599),

Gene: Jinglebell_29 Start: 26535, Stop: 27728, Start Num: 46
Candidate Starts for Jinglebell_29:
(Start: 46 @26535 has 160 MA's), (71, 26619), (96, 26769), (102, 26823), (131, 26964), (219, 27045), (246, 27171), (264, 27276), (269, 27291), (281, 27333), (291, 27369), (292, 27372), (304, 27423), (306, 27432), (336, 27546), (341, 27588), (344, 27597), (355, 27654), (357, 27657),

Gene: Job42_34 Start: 28216, Stop: 29517, Start Num: 46
Candidate Starts for Job42_34:
(Start: 46 @28216 has 160 MA's), (79, 28336), (91, 28408), (105, 28525), (107, 28528), (125, 28606), (142, 28687), (202, 28738), (236, 28915), (246, 28957), (248, 28966), (273, 29104), (336, 29335), (341, 29377), (344, 29386), (355, 29443), (357, 29446),

Gene: JoeyJr_30 Start: 26494, Stop: 27687, Start Num: 46
Candidate Starts for JoeyJr_30:
(Start: 46 @26494 has 160 MA's), (71, 26578), (96, 26728), (102, 26782), (131, 26923), (219, 27004), (246, 27130), (247, 27136), (248, 27139), (269, 27250), (281, 27292), (291, 27328), (304, 27382), (306, 27391), (336, 27505), (341, 27547), (344, 27556), (355, 27613), (357, 27616),

Gene: JoieB_55 Start: 30941, Stop: 32320, Start Num: 45
Candidate Starts for JoieB_55:
(Start: 45 @30941 has 28 MA's), (Start: 61 @30998 has 3 MA's), (72, 31034), (76, 31058), (79, 31070), (94, 31193), (99, 31235), (112, 31307), (117, 31331), (119, 31337), (136, 31418), (154, 31487), (155, 31490), (164, 31526), (169, 31562), (181, 31634), (183, 31652), (184, 31655), (200, 31772), (204, 31802), (231, 31934), (237, 31955), (244, 31988), (255, 32042), (256, 32048), (290, 32168), (296, 32198), (301, 32219), (313, 32249),

Gene: JoyceMaria_43 Start: 40549, Stop: 42285, Start Num: 33
Candidate Starts for JoyceMaria_43:
(Start: 33 @40549 has 28 MA's), (51, 40624), (56, 40642), (63, 40663), (68, 40678), (83, 40750), (94, 40843), (103, 40915), (109, 40939), (127, 41026), (130, 41041), (174, 41224), (183, 41305), (192, 41386), (196, 41410), (197, 41413), (206, 41455), (230, 41566), (231, 41575), (234, 41584), (251, 41680), (256, 41719), (273, 41788), (286, 41812), (293, 41839), (298, 41869), (322, 41947), (325, 41971), (329, 41989), (330, 41992), (335, 42016), (340, 42061), (359, 42145),

Gene: JulietS_239 Start: 139834, Stop: 141264, Start Num: 54
Candidate Starts for JulietS_239:
(Start: 54 @139834 has 180 MA's), (79, 139924), (89, 139987), (103, 140110), (109, 140134), (134, 140218), (144, 140260), (156, 140302), (183, 140467), (184, 140470), (228, 140725), (238, 140764), (244, 140794), (256, 140857), (260, 140878), (261, 140887), (263, 140890), (270, 140923), (278, 140938), (317, 141073), (334, 141148), (343, 141208),

Gene: Juniper1_30 Start: 26293, Stop: 27486, Start Num: 46
Candidate Starts for Juniper1_30:
(Start: 46 @26293 has 160 MA's), (71, 26377), (96, 26527), (102, 26581), (131, 26722), (219, 26803), (246, 26929), (247, 26935), (269, 27049), (281, 27091), (291, 27127), (304, 27181), (306, 27190),

(336, 27304), (341, 27346), (344, 27355), (355, 27412), (357, 27415),

Gene: JustASigh_25 Start: 24704, Stop: 26068, Start Num: 45
Candidate Starts for JustASigh_25:
(38, 24677), (Start: 45 @24704 has 28 MA's), (55, 24734), (79, 24821), (101, 24995), (112, 25046), (117, 25070), (136, 25148), (148, 25205), (164, 25259), (169, 25295), (184, 25385), (196, 25493), (203, 25514), (213, 25577), (231, 25673), (262, 25823), (270, 25865),

Gene: JustHall_244 Start: 141784, Stop: 143214, Start Num: 54
Candidate Starts for JustHall_244:
(Start: 54 @141784 has 180 MA's), (79, 141874), (89, 141937), (103, 142060), (109, 142084), (134, 142168), (144, 142210), (156, 142252), (183, 142417), (184, 142420), (228, 142675), (238, 142714), (244, 142744), (256, 142807), (260, 142828), (261, 142837), (263, 142840), (270, 142873), (278, 142888), (317, 143023), (334, 143098), (342, 143155), (343, 143158),

Gene: Kamryn_249 Start: 143374, Stop: 144804, Start Num: 54
Candidate Starts for Kamryn_249:
(Start: 54 @143374 has 180 MA's), (79, 143464), (80, 143467), (89, 143527), (103, 143650), (109, 143674), (134, 143758), (144, 143800), (156, 143842), (183, 144007), (184, 144010), (228, 144265), (238, 144304), (244, 144334), (256, 144397), (260, 144418), (261, 144427), (263, 144430), (270, 144463), (278, 144478), (317, 144613), (334, 144688), (342, 144745), (343, 144748),

Gene: Karhdo_30 Start: 26458, Stop: 27651, Start Num: 46
Candidate Starts for Karhdo_30:
(Start: 46 @26458 has 160 MA's), (71, 26542), (96, 26692), (102, 26746), (131, 26887), (219, 26968), (246, 27094), (247, 27100), (253, 27139), (269, 27214), (281, 27256), (291, 27292), (306, 27355), (336, 27469), (341, 27511), (344, 27520), (355, 27577), (357, 27580),

Gene: Kboogie_254 Start: 142413, Stop: 143843, Start Num: 54
Candidate Starts for Kboogie_254:
(Start: 54 @142413 has 180 MA's), (79, 142503), (89, 142566), (103, 142689), (109, 142713), (134, 142797), (144, 142839), (156, 142881), (183, 143046), (184, 143049), (228, 143304), (238, 143343), (244, 143373), (256, 143436), (260, 143457), (261, 143466), (263, 143469), (270, 143502), (278, 143517), (317, 143652), (334, 143727), (342, 143784), (343, 143787),

Gene: Kenuha5_27 Start: 25482, Stop: 26636, Start Num: 46
Candidate Starts for Kenuha5_27:
(14, 25209), (19, 25230), (Start: 46 @25482 has 160 MA's), (71, 25566), (96, 25716), (102, 25770), (131, 25911), (219, 25992), (246, 26118), (247, 26124), (253, 26163), (264, 26223), (269, 26238), (281, 26280), (291, 26316), (292, 26319), (304, 26370), (306, 26379), (336, 26493), (357, 26604), (361, 26625),

Gene: Kersh_29 Start: 27534, Stop: 28727, Start Num: 46
Candidate Starts for Kersh_29:
(Start: 46 @27534 has 160 MA's), (71, 27618), (96, 27768), (102, 27822), (131, 27963), (219, 28044), (246, 28170), (247, 28176), (248, 28179), (264, 28275), (269, 28290), (281, 28332), (291, 28368), (304, 28422), (306, 28431), (336, 28545), (341, 28587), (344, 28596), (355, 28653), (357, 28656),

Gene: Khaleesi_249 Start: 143197, Stop: 144627, Start Num: 54
Candidate Starts for Khaleesi_249:
(Start: 54 @143197 has 180 MA's), (79, 143287), (89, 143350), (103, 143473), (109, 143497), (134, 143581), (144, 143623), (156, 143665), (183, 143830), (184, 143833), (228, 144088), (238, 144127), (244, 144157), (256, 144220), (260, 144241), (261, 144250), (263, 144253), (270, 144286), (278,

144301), (317, 144436), (334, 144511), (343, 144571),

Gene: KingMidas_31 Start: 27622, Stop: 28776, Start Num: 46
Candidate Starts for KingMidas_31:
(Start: 46 @27622 has 160 MA's), (71, 27706), (96, 27856), (102, 27910), (131, 28051), (219, 28132), (246, 28258), (247, 28264), (253, 28303), (264, 28363), (269, 28378), (281, 28420), (291, 28456), (292, 28459), (304, 28510), (306, 28519), (336, 28633), (357, 28744), (361, 28765),

Gene: Kingsley_28 Start: 25309, Stop: 26475, Start Num: 46
Candidate Starts for Kingsley_28:
(14, 25036), (19, 25057), (Start: 46 @25309 has 160 MA's), (71, 25393), (96, 25543), (102, 25597), (124, 25690), (131, 25738), (219, 25819), (246, 25945), (247, 25951), (264, 26050), (269, 26065), (281, 26107), (291, 26143), (292, 26146), (304, 26197), (306, 26206), (336, 26320), (357, 26431),

Gene: KleverKiS_35 Start: 29779, Stop: 31146, Start Num: 65
Candidate Starts for KleverKiS_35:
(Start: 65 @29779 has 16 MA's), (79, 29836), (83, 29863), (86, 29878), (88, 29899), (89, 29902), (108, 30040), (113, 30064), (135, 30142), (137, 30148), (138, 30151), (157, 30226), (182, 30358), (186, 30385), (187, 30394), (195, 30448), (201, 30475), (205, 30505), (216, 30559), (233, 30631), (275, 30817), (312, 30937), (317, 30958), (323, 30976), (325, 30991), (332, 31021), (337, 31051), (343, 31087), (344, 31090), (350, 31126),

Gene: Koguma_249 Start: 141996, Stop: 143426, Start Num: 54
Candidate Starts for Koguma_249:
(Start: 54 @141996 has 180 MA's), (79, 142086), (89, 142149), (103, 142272), (109, 142296), (134, 142380), (144, 142422), (156, 142464), (183, 142629), (184, 142632), (228, 142887), (238, 142926), (244, 142956), (256, 143019), (260, 143040), (261, 143049), (263, 143052), (270, 143085), (278, 143100), (317, 143235), (334, 143310), (342, 143367), (343, 143370),

Gene: Kumao_37 Start: 32402, Stop: 33853, Start Num: 49
Candidate Starts for Kumao_37:
(Start: 49 @32402 has 2 MA's), (75, 32510), (79, 32519), (108, 32714), (165, 32951), (179, 33023), (186, 33071), (190, 33101), (224, 33278), (231, 33314), (255, 33422), (266, 33467), (272, 33500), (288, 33542), (307, 33626), (314, 33656), (317, 33665), (321, 33677), (323, 33683), (330, 33719), (332, 33728), (334, 33737), (339, 33776), (346, 33806), (354, 33848),

Gene: LRRHood_242 Start: 141406, Stop: 142836, Start Num: 54
Candidate Starts for LRRHood_242:
(Start: 54 @141406 has 180 MA's), (79, 141496), (89, 141559), (103, 141682), (109, 141706), (134, 141790), (144, 141832), (156, 141874), (183, 142039), (184, 142042), (228, 142297), (238, 142336), (244, 142366), (256, 142429), (260, 142450), (261, 142459), (263, 142462), (270, 142495), (278, 142510), (317, 142645), (334, 142720), (342, 142777), (343, 142780),

Gene: Labelle_40 Start: 33850, Stop: 35241, Start Num: 61
Candidate Starts for Labelle_40:
(Start: 61 @33850 has 3 MA's), (73, 33889), (81, 33925), (89, 33985), (92, 34015), (108, 34132), (113, 34156), (144, 34273), (156, 34318), (168, 34393), (171, 34402), (185, 34489), (194, 34561), (208, 34648), (214, 34666), (232, 34738), (235, 34750), (250, 34804), (252, 34816), (255, 34840), (275, 34918), (289, 34951), (293, 34966), (312, 35035), (323, 35074), (330, 35113), (335, 35134), (353, 35233),

Gene: Labradorite_247 Start: 141973, Stop: 143403, Start Num: 54
Candidate Starts for Labradorite_247:

(Start: 54 @141973 has 180 MA's), (79, 142063), (89, 142126), (103, 142249), (109, 142273), (134, 142357), (144, 142399), (156, 142441), (183, 142606), (184, 142609), (228, 142864), (238, 142903), (244, 142933), (256, 142996), (260, 143017), (261, 143026), (263, 143029), (270, 143062), (278, 143077), (317, 143212), (334, 143287), (342, 143344), (343, 143347),

Gene: Lambano_42 Start: 39535, Stop: 41271, Start Num: 33
Candidate Starts for Lambano_42:
(Start: 33 @39535 has 28 MA's), (51, 39610), (56, 39628), (63, 39649), (68, 39664), (83, 39736), (94, 39829), (103, 39901), (109, 39925), (127, 40012), (130, 40027), (174, 40210), (183, 40291), (192, 40372), (196, 40396), (197, 40399), (206, 40441), (230, 40552), (231, 40561), (234, 40570), (251, 40666), (256, 40705), (273, 40774), (286, 40798), (293, 40825), (298, 40855), (322, 40933), (325, 40957), (329, 40975), (330, 40978), (335, 41002), (340, 41047), (359, 41131),

Gene: Latch_250 Start: 141959, Stop: 143389, Start Num: 54
Candidate Starts for Latch_250:
(Start: 54 @141959 has 180 MA's), (79, 142049), (89, 142112), (103, 142235), (109, 142259), (134, 142343), (144, 142385), (156, 142427), (183, 142592), (184, 142595), (228, 142850), (238, 142889), (244, 142919), (256, 142982), (260, 143003), (261, 143012), (263, 143015), (270, 143048), (278, 143063), (317, 143198), (334, 143273), (342, 143330), (343, 143333),

Gene: Latretium_31 Start: 27137, Stop: 28306, Start Num: 46
Candidate Starts for Latretium_31:
(Start: 46 @27137 has 160 MA's), (71, 27221), (96, 27371), (102, 27425), (131, 27566), (236, 27743), (246, 27785), (248, 27794), (273, 27932), (336, 28163), (357, 28274), (362, 28295),

Gene: Lee7_251 Start: 145060, Stop: 146490, Start Num: 54
Candidate Starts for Lee7_251:
(Start: 54 @145060 has 180 MA's), (79, 145150), (89, 145213), (103, 145336), (109, 145360), (134, 145444), (144, 145486), (156, 145528), (183, 145693), (184, 145696), (228, 145951), (238, 145990), (244, 146020), (256, 146083), (260, 146104), (261, 146113), (263, 146116), (270, 146149), (278, 146164), (317, 146299), (334, 146374), (342, 146431), (343, 146434),

Gene: Leozinho_31 Start: 26186, Stop: 27340, Start Num: 46
Candidate Starts for Leozinho_31:
(19, 25934), (Start: 46 @26186 has 160 MA's), (71, 26270), (96, 26420), (102, 26474), (131, 26615), (219, 26696), (246, 26822), (247, 26828), (253, 26867), (264, 26927), (269, 26942), (281, 26984), (291, 27020), (292, 27023), (295, 27038), (304, 27074), (306, 27083), (336, 27197), (357, 27308), (361, 27329),

Gene: Lethe_248 Start: 143781, Stop: 145211, Start Num: 54
Candidate Starts for Lethe_248:
(Start: 54 @143781 has 180 MA's), (79, 143871), (80, 143874), (89, 143934), (103, 144057), (109, 144081), (134, 144165), (144, 144207), (156, 144249), (183, 144414), (184, 144417), (228, 144672), (238, 144711), (244, 144741), (256, 144804), (260, 144825), (261, 144834), (263, 144837), (270, 144870), (278, 144885), (317, 145020), (334, 145095), (342, 145152), (343, 145155),

Gene: LifeSavor_251 Start: 143187, Stop: 144617, Start Num: 54
Candidate Starts for LifeSavor_251:
(Start: 54 @143187 has 180 MA's), (79, 143277), (89, 143340), (103, 143463), (109, 143487), (134, 143571), (144, 143613), (156, 143655), (183, 143820), (184, 143823), (228, 144078), (238, 144117), (244, 144147), (256, 144210), (260, 144231), (261, 144240), (263, 144243), (270, 144276), (278, 144291), (317, 144426), (334, 144501), (342, 144558), (343, 144561),

Gene: LilSpotty_31 Start: 23805, Stop: 24962, Start Num: 46
Candidate Starts for LilSpotty_31:
(Start: 46 @23805 has 160 MA's), (71, 23889), (96, 24039), (102, 24093), (124, 24186), (132, 24237), (219, 24315), (246, 24441), (247, 24447), (250, 24459), (269, 24561), (281, 24603), (306, 24702), (336, 24816),

Gene: Lilbit_53 Start: 30704, Stop: 32083, Start Num: 45
Candidate Starts for Lilbit_53:
(Start: 45 @30704 has 28 MA's), (Start: 61 @30761 has 3 MA's), (72, 30797), (76, 30821), (79, 30833), (94, 30956), (99, 30998), (112, 31070), (117, 31094), (119, 31100), (136, 31181), (154, 31250), (155, 31253), (164, 31289), (169, 31325), (181, 31397), (183, 31415), (184, 31418), (200, 31535), (204, 31565), (231, 31697), (237, 31718), (244, 31751), (255, 31805), (256, 31811), (290, 31931), (296, 31961), (301, 31982), (313, 32012),

Gene: LilhomieP_34 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for LilhomieP_34:
(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: LinStu_247 Start: 141288, Stop: 142718, Start Num: 54
Candidate Starts for LinStu_247:
(40, 141246), (Start: 54 @141288 has 180 MA's), (79, 141378), (89, 141441), (103, 141564), (109, 141588), (134, 141672), (144, 141714), (156, 141756), (183, 141921), (184, 141924), (228, 142179), (238, 142218), (244, 142248), (256, 142311), (260, 142332), (261, 142341), (263, 142344), (270, 142377), (278, 142392), (317, 142527), (334, 142602), (343, 142662),

Gene: LittleDigger_42 Start: 39557, Stop: 41293, Start Num: 33
Candidate Starts for LittleDigger_42:
(Start: 33 @39557 has 28 MA's), (51, 39632), (56, 39650), (63, 39671), (68, 39686), (83, 39758), (94, 39851), (103, 39923), (109, 39947), (127, 40034), (130, 40049), (174, 40232), (183, 40313), (192, 40394), (196, 40418), (197, 40421), (206, 40463), (230, 40574), (231, 40583), (234, 40592), (251, 40688), (256, 40727), (273, 40796), (286, 40820), (293, 40847), (298, 40877), (322, 40955), (325, 40979), (329, 40997), (330, 41000), (335, 41024), (340, 41069), (359, 41153),

Gene: LittleLaf_54 Start: 30433, Stop: 31812, Start Num: 45
Candidate Starts for LittleLaf_54:
(Start: 45 @30433 has 28 MA's), (Start: 61 @30490 has 3 MA's), (72, 30526), (76, 30550), (79, 30562), (94, 30685), (99, 30727), (112, 30799), (117, 30823), (119, 30829), (136, 30910), (154, 30979), (155, 30982), (164, 31018), (169, 31054), (181, 31126), (183, 31144), (184, 31147), (200, 31264), (204, 31294), (231, 31426), (237, 31447), (244, 31480), (255, 31534), (256, 31540), (290, 31660), (296, 31690), (301, 31711), (313, 31741),

Gene: LittleShirley_33 Start: 27885, Stop: 29159, Start Num: 46
Candidate Starts for LittleShirley_33:
(Start: 46 @27885 has 160 MA's), (79, 28005), (91, 28077), (105, 28194), (107, 28197), (125, 28275), (142, 28356), (202, 28398), (218, 28476), (246, 28602), (247, 28608), (248, 28611), (253, 28647), (269, 28722), (281, 28764), (291, 28800), (292, 28803), (304, 28854), (306, 28863), (336, 28977), (341, 29019), (344, 29028), (355, 29085), (357, 29088),

Gene: Littleton_254 Start: 143196, Stop: 144626, Start Num: 54

Candidate Starts for Littleton_254:
(Start: 54 @143196 has 180 MA's), (79, 143286), (89, 143349), (103, 143472), (109, 143496), (134, 143580), (144, 143622), (156, 143664), (183, 143829), (184, 143832), (228, 144087), (238, 144126), (244, 144156), (256, 144219), (260, 144240), (261, 144249), (263, 144252), (270, 144285), (278, 144300), (317, 144435), (334, 144510), (342, 144567), (343, 144570),

Gene: Llama_30 Start: 26534, Stop: 27727, Start Num: 46
Candidate Starts for Llama_30:
(Start: 46 @26534 has 160 MA's), (71, 26618), (96, 26768), (102, 26822), (131, 26963), (219, 27044), (246, 27170), (264, 27275), (269, 27290), (281, 27332), (291, 27368), (292, 27371), (304, 27422), (306, 27431), (336, 27545), (341, 27587), (344, 27596), (355, 27653), (357, 27656),

Gene: Llij_30 Start: 26306, Stop: 27499, Start Num: 46
Candidate Starts for Llij_30:
(Start: 46 @26306 has 160 MA's), (71, 26390), (96, 26540), (102, 26594), (131, 26735), (219, 26816), (246, 26942), (247, 26948), (269, 27062), (281, 27104), (291, 27140), (295, 27158), (304, 27194), (306, 27203), (336, 27317), (341, 27359), (344, 27368), (355, 27425), (357, 27428),

Gene: Loanshark_247 Start: 142546, Stop: 143976, Start Num: 54
Candidate Starts for Loanshark_247:
(Start: 54 @142546 has 180 MA's), (79, 142636), (89, 142699), (103, 142822), (109, 142846), (134, 142930), (144, 142972), (156, 143014), (183, 143179), (184, 143182), (228, 143437), (238, 143476), (244, 143506), (256, 143569), (260, 143590), (261, 143599), (263, 143602), (270, 143635), (278, 143650), (317, 143785), (334, 143860), (342, 143917), (343, 143920),

Gene: LolaVinca_246 Start: 142799, Stop: 144229, Start Num: 54
Candidate Starts for LolaVinca_246:
(Start: 54 @142799 has 180 MA's), (79, 142889), (89, 142952), (103, 143075), (109, 143099), (134, 143183), (144, 143225), (156, 143267), (183, 143432), (184, 143435), (228, 143690), (238, 143729), (244, 143759), (256, 143822), (260, 143843), (261, 143852), (263, 143855), (270, 143888), (278, 143903), (317, 144038), (334, 144113), (342, 144170), (343, 144173),

Gene: Lolalove_44 Start: 40560, Stop: 42296, Start Num: 33
Candidate Starts for Lolalove_44:
(Start: 33 @40560 has 28 MA's), (51, 40635), (56, 40653), (63, 40674), (68, 40689), (83, 40761), (94, 40854), (103, 40926), (109, 40950), (127, 41037), (130, 41052), (174, 41235), (183, 41316), (192, 41397), (196, 41421), (197, 41424), (206, 41466), (230, 41577), (231, 41586), (234, 41595), (251, 41691), (256, 41730), (273, 41799), (286, 41823), (293, 41850), (298, 41880), (322, 41958), (325, 41982), (329, 42000), (330, 42003), (335, 42027), (340, 42072), (359, 42156),

Gene: LookingGlass_248 Start: 142704, Stop: 144134, Start Num: 54
Candidate Starts for LookingGlass_248:
(Start: 54 @142704 has 180 MA's), (79, 142794), (80, 142797), (89, 142857), (103, 142980), (109, 143004), (134, 143088), (144, 143130), (156, 143172), (183, 143337), (184, 143340), (228, 143595), (238, 143634), (244, 143664), (256, 143727), (260, 143748), (261, 143757), (263, 143760), (270, 143793), (278, 143808), (317, 143943), (334, 144018), (342, 144075), (343, 144078),

Gene: LordLeafolot_251 Start: 142412, Stop: 143842, Start Num: 54
Candidate Starts for LordLeafolot_251:
(Start: 54 @142412 has 180 MA's), (79, 142502), (80, 142505), (89, 142565), (103, 142688), (109, 142712), (134, 142796), (144, 142838), (156, 142880), (183, 143045), (184, 143048), (228, 143303), (238, 143342), (244, 143372), (256, 143435), (260, 143456), (261, 143465), (263, 143468), (270, 143501), (278, 143516), (317, 143651), (334, 143726), (342, 143783), (343, 143786),

Gene: Lorde_31 Start: 26141, Stop: 27412, Start Num: 45
Candidate Starts for Lorde_31:
(Start: 45 @26141 has 28 MA's), (79, 26258), (111, 26447), (112, 26450), (128, 26528), (148, 26609), (164, 26660), (170, 26699), (176, 26723), (184, 26786), (185, 26789), (196, 26894), (203, 26915), (213, 26978), (220, 27008), (231, 27065), (256, 27182), (262, 27215),

Gene: Lucia_31 Start: 26437, Stop: 27630, Start Num: 46
Candidate Starts for Lucia_31:
(20, 26185), (Start: 46 @26437 has 160 MA's), (71, 26521), (96, 26671), (102, 26725), (124, 26818), (131, 26866), (219, 26947), (246, 27073), (247, 27079), (264, 27178), (269, 27193), (281, 27235), (291, 27271), (295, 27289), (304, 27325), (306, 27334), (336, 27448), (341, 27490), (344, 27499), (355, 27556), (357, 27559),

Gene: Lukilu_239 Start: 143415, Stop: 144845, Start Num: 54
Candidate Starts for Lukilu_239:
(Start: 54 @143415 has 180 MA's), (79, 143505), (80, 143508), (89, 143568), (103, 143691), (109, 143715), (134, 143799), (144, 143841), (156, 143883), (183, 144048), (184, 144051), (228, 144306), (238, 144345), (244, 144375), (256, 144438), (260, 144459), (261, 144468), (263, 144471), (270, 144504), (278, 144519), (317, 144654), (334, 144729), (342, 144786), (343, 144789),

Gene: LunaBlu_32 Start: 26697, Stop: 27944, Start Num: 46
Candidate Starts for LunaBlu_32:
(Start: 46 @26697 has 160 MA's), (79, 26817), (91, 26889), (105, 27006), (107, 27009), (125, 27087), (142, 27168), (202, 27210), (218, 27288), (246, 27414), (247, 27420), (253, 27459), (264, 27519), (269, 27534), (281, 27576), (291, 27612), (292, 27615), (304, 27666), (306, 27675), (336, 27789), (341, 27831), (344, 27840), (357, 27900),

Gene: Lunareta_247 Start: 143113, Stop: 144543, Start Num: 54
Candidate Starts for Lunareta_247:
(Start: 54 @143113 has 180 MA's), (79, 143203), (89, 143266), (103, 143389), (109, 143413), (134, 143497), (144, 143539), (156, 143581), (183, 143746), (184, 143749), (228, 144004), (238, 144043), (244, 144073), (256, 144136), (260, 144157), (261, 144166), (263, 144169), (270, 144202), (278, 144217), (317, 144352), (334, 144427), (343, 144487),

Gene: Maby2021_251 Start: 144099, Stop: 145529, Start Num: 54
Candidate Starts for Maby2021_251:
(Start: 54 @144099 has 180 MA's), (79, 144189), (89, 144252), (103, 144375), (109, 144399), (134, 144483), (144, 144525), (156, 144567), (183, 144732), (184, 144735), (228, 144990), (238, 145029), (244, 145059), (256, 145122), (260, 145143), (261, 145152), (263, 145155), (270, 145188), (278, 145203), (317, 145338), (334, 145413), (342, 145470), (343, 145473),

Gene: MadMen_27 Start: 25582, Stop: 26772, Start Num: 46
Candidate Starts for MadMen_27:
(Start: 46 @25582 has 160 MA's), (71, 25666), (96, 25816), (102, 25870), (131, 26011), (219, 26092), (246, 26218), (247, 26224), (248, 26227), (269, 26338), (281, 26380), (292, 26419), (295, 26434), (304, 26470), (306, 26479), (336, 26593),

Gene: Madiba_28 Start: 25236, Stop: 26429, Start Num: 46
Candidate Starts for Madiba_28:
(Start: 46 @25236 has 160 MA's), (71, 25320), (96, 25470), (102, 25524), (131, 25665), (219, 25746), (246, 25872), (247, 25878), (248, 25881), (253, 25917), (269, 25992), (281, 26034), (291, 26070), (292, 26073), (304, 26124), (306, 26133), (336, 26247), (341, 26289), (344, 26298), (355, 26355),

(357, 26358),

Gene: Madruga_39 Start: 33518, Stop: 34909, Start Num: 61
Candidate Starts for Madruga_39:
(Start: 61 @33518 has 3 MA's), (73, 33557), (81, 33593), (89, 33653), (92, 33683), (108, 33800), (113, 33824), (144, 33941), (156, 33986), (168, 34061), (171, 34070), (185, 34157), (194, 34229), (208, 34316), (214, 34334), (232, 34406), (235, 34418), (250, 34472), (252, 34484), (255, 34508), (275, 34586), (289, 34619), (293, 34634), (312, 34703), (323, 34742), (330, 34781), (335, 34802), (353, 34901),

Gene: Magpie_42 Start: 40402, Stop: 42138, Start Num: 33
Candidate Starts for Magpie_42:
(Start: 33 @40402 has 28 MA's), (51, 40477), (56, 40495), (63, 40516), (68, 40531), (83, 40603), (94, 40696), (103, 40768), (109, 40792), (127, 40879), (130, 40894), (174, 41077), (183, 41158), (192, 41239), (196, 41263), (197, 41266), (206, 41308), (230, 41419), (231, 41428), (234, 41437), (251, 41533), (256, 41572), (273, 41641), (286, 41665), (293, 41692), (298, 41722), (322, 41800), (325, 41824), (329, 41842), (330, 41845), (335, 41869), (340, 41914), (359, 41998),

Gene: Mahavrat_30 Start: 26287, Stop: 27558, Start Num: 46
Candidate Starts for Mahavrat_30:
(Start: 46 @26287 has 160 MA's), (79, 26404), (91, 26476), (105, 26593), (107, 26596), (125, 26674), (142, 26755), (202, 26797), (218, 26875), (246, 27001), (247, 27007), (257, 27076), (269, 27121), (281, 27163), (291, 27199), (304, 27253), (306, 27262), (336, 27376), (341, 27418), (344, 27427), (355, 27484), (357, 27487),

Gene: Mandlovu_30 Start: 26529, Stop: 27695, Start Num: 46
Candidate Starts for Mandlovu_30:
(14, 26256), (16, 26259), (Start: 46 @26529 has 160 MA's), (71, 26613), (96, 26763), (102, 26817), (131, 26958), (219, 27039), (246, 27165), (247, 27171), (253, 27210), (269, 27285), (281, 27327), (291, 27363), (295, 27381), (304, 27417), (306, 27426), (336, 27540),

Gene: Mangeria_250 Start: 143310, Stop: 144740, Start Num: 54
Candidate Starts for Mangeria_250:
(Start: 54 @143310 has 180 MA's), (79, 143400), (89, 143463), (103, 143586), (109, 143610), (134, 143694), (144, 143736), (156, 143778), (183, 143943), (184, 143946), (228, 144201), (238, 144240), (244, 144270), (256, 144333), (260, 144354), (261, 144363), (263, 144366), (270, 144399), (278, 144414), (317, 144549), (334, 144624), (342, 144681), (343, 144684),

Gene: Mantra_30 Start: 26425, Stop: 27618, Start Num: 46
Candidate Starts for Mantra_30:
(Start: 46 @26425 has 160 MA's), (71, 26509), (96, 26659), (102, 26713), (131, 26854), (219, 26935), (246, 27061), (247, 27067), (248, 27070), (253, 27106), (269, 27181), (281, 27223), (291, 27259), (306, 27322), (336, 27436), (341, 27478), (344, 27487), (355, 27544), (357, 27547),

Gene: Marvin_51 Start: 30191, Stop: 31570, Start Num: 45
Candidate Starts for Marvin_51:
(Start: 45 @30191 has 28 MA's), (Start: 61 @30248 has 3 MA's), (72, 30284), (76, 30308), (79, 30320), (94, 30443), (99, 30485), (112, 30557), (117, 30581), (119, 30587), (136, 30668), (154, 30737), (155, 30740), (164, 30776), (169, 30812), (181, 30884), (183, 30902), (184, 30905), (200, 31022), (204, 31052), (231, 31184), (237, 31205), (244, 31238), (255, 31292), (256, 31298), (290, 31418), (296, 31448), (301, 31469), (313, 31499),

Gene: Matsumoto_248 Start: 142401, Stop: 143831, Start Num: 54

Candidate Starts for Matsumoto_248:
(Start: 54 @142401 has 180 MA's), (79, 142491), (89, 142554), (103, 142677), (109, 142701), (134, 142785), (144, 142827), (156, 142869), (183, 143034), (184, 143037), (228, 143292), (238, 143331), (244, 143361), (256, 143424), (260, 143445), (261, 143454), (263, 143457), (270, 143490), (278, 143505), (317, 143640), (334, 143715), (342, 143772), (343, 143775),

Gene: Mattes_30 Start: 26476, Stop: 27711, Start Num: 46
Candidate Starts for Mattes_30:
(Start: 46 @26476 has 160 MA's), (79, 26593), (91, 26665), (105, 26782), (107, 26785), (125, 26863), (142, 26944), (202, 26986), (218, 27064), (246, 27190), (269, 27310), (281, 27352), (291, 27388), (292, 27391), (304, 27442), (306, 27451), (336, 27565),

Gene: Maturis_244 Start: 142228, Stop: 143658, Start Num: 54
Candidate Starts for Maturis_244:
(47, 142201), (Start: 54 @142228 has 180 MA's), (79, 142318), (89, 142381), (103, 142504), (109, 142528), (134, 142612), (144, 142654), (156, 142696), (183, 142861), (184, 142864), (228, 143119), (238, 143158), (244, 143188), (256, 143251), (260, 143272), (261, 143281), (263, 143284), (270, 143317), (278, 143332), (317, 143467), (334, 143542), (343, 143602),

Gene: McGee_252 Start: 142747, Stop: 144177, Start Num: 54
Candidate Starts for McGee_252:
(Start: 54 @142747 has 180 MA's), (79, 142837), (89, 142900), (103, 143023), (109, 143047), (134, 143131), (144, 143173), (156, 143215), (183, 143380), (184, 143383), (228, 143638), (238, 143677), (244, 143707), (256, 143770), (260, 143791), (261, 143800), (263, 143803), (270, 143836), (278, 143851), (317, 143986), (334, 144061), (342, 144118), (343, 144121),

Gene: McWolfish_247 Start: 142408, Stop: 143838, Start Num: 54
Candidate Starts for McWolfish_247:
(Start: 54 @142408 has 180 MA's), (79, 142498), (89, 142561), (103, 142684), (109, 142708), (134, 142792), (144, 142834), (156, 142876), (183, 143041), (184, 143044), (228, 143299), (238, 143338), (244, 143368), (256, 143431), (260, 143452), (261, 143461), (263, 143464), (270, 143497), (278, 143512), (317, 143647), (334, 143722), (343, 143782),

Gene: Medindi_31 Start: 26340, Stop: 27506, Start Num: 46
Candidate Starts for Medindi_31:
(14, 26067), (16, 26070), (Start: 46 @26340 has 160 MA's), (71, 26424), (96, 26574), (102, 26628), (131, 26769), (219, 26850), (246, 26976), (247, 26982), (253, 27021), (264, 27081), (269, 27096), (281, 27138), (291, 27174), (292, 27177), (304, 27228), (306, 27237), (336, 27351),

Gene: Megamind_247 Start: 142733, Stop: 144163, Start Num: 54
Candidate Starts for Megamind_247:
(Start: 54 @142733 has 180 MA's), (79, 142823), (89, 142886), (103, 143009), (109, 143033), (134, 143117), (144, 143159), (156, 143201), (183, 143366), (184, 143369), (228, 143624), (238, 143663), (244, 143693), (256, 143756), (260, 143777), (261, 143786), (263, 143789), (270, 143822), (278, 143837), (317, 143972), (334, 144047), (342, 144104), (343, 144107),

Gene: Melissauren88_30 Start: 26514, Stop: 27668, Start Num: 46
Candidate Starts for Melissauren88_30:
(14, 26241), (16, 26244), (Start: 46 @26514 has 160 MA's), (71, 26598), (96, 26748), (102, 26802), (131, 26943), (219, 27024), (246, 27150), (247, 27156), (253, 27195), (264, 27255), (269, 27270), (281, 27312), (291, 27348), (292, 27351), (304, 27402), (306, 27411), (336, 27525), (357, 27636), (361, 27657),

Gene: Melpomini_245 Start: 141493, Stop: 142923, Start Num: 54
Candidate Starts for Melpomini_245:
(Start: 54 @141493 has 180 MA's), (79, 141583), (89, 141646), (103, 141769), (109, 141793), (134, 141877), (144, 141919), (156, 141961), (183, 142126), (184, 142129), (228, 142384), (238, 142423), (244, 142453), (256, 142516), (260, 142537), (261, 142546), (263, 142549), (270, 142582), (278, 142597), (317, 142732), (334, 142807), (342, 142864), (343, 142867),

Gene: MikeLiesIn_251 Start: 143869, Stop: 145299, Start Num: 54
Candidate Starts for MikeLiesIn_251:
(Start: 54 @143869 has 180 MA's), (79, 143959), (89, 144022), (103, 144145), (109, 144169), (134, 144253), (144, 144295), (156, 144337), (183, 144502), (184, 144505), (228, 144760), (238, 144799), (244, 144829), (256, 144892), (260, 144913), (261, 144922), (263, 144925), (270, 144958), (278, 144973), (317, 145108), (334, 145183), (342, 145240), (343, 145243),

Gene: Mikro_244 Start: 144312, Stop: 145742, Start Num: 54
Candidate Starts for Mikro_244:
(Start: 54 @144312 has 180 MA's), (79, 144402), (80, 144405), (89, 144465), (103, 144588), (109, 144612), (134, 144696), (144, 144738), (156, 144780), (183, 144945), (184, 144948), (228, 145203), (238, 145242), (244, 145272), (256, 145335), (260, 145356), (261, 145365), (263, 145368), (270, 145401), (278, 145416), (317, 145551), (334, 145626), (342, 145683), (343, 145686),

Gene: MilanaBonita_24 Start: 22445, Stop: 23599, Start Num: 46
Candidate Starts for MilanaBonita_24:
(Start: 46 @22445 has 160 MA's), (71, 22529), (96, 22679), (102, 22733), (131, 22874), (219, 22955), (246, 23081), (247, 23087), (253, 23126), (264, 23186), (269, 23201), (281, 23243), (291, 23279), (292, 23282), (304, 23333), (306, 23342), (336, 23456), (357, 23567), (361, 23588),

Gene: MilleniumForce_31 Start: 27306, Stop: 28460, Start Num: 46
Candidate Starts for MilleniumForce_31:
(14, 27033), (19, 27054), (Start: 46 @27306 has 160 MA's), (71, 27390), (96, 27540), (102, 27594), (131, 27735), (219, 27816), (246, 27942), (247, 27948), (253, 27987), (264, 28047), (269, 28062), (281, 28104), (291, 28140), (292, 28143), (304, 28194), (306, 28203), (336, 28317), (357, 28428), (361, 28449),

Gene: MinionDave_32 Start: 26855, Stop: 28102, Start Num: 46
Candidate Starts for MinionDave_32:
(Start: 46 @26855 has 160 MA's), (79, 26975), (91, 27047), (105, 27164), (107, 27167), (125, 27245), (142, 27326), (202, 27368), (218, 27446), (246, 27572), (247, 27578), (253, 27617), (264, 27677), (269, 27692), (281, 27734), (291, 27770), (292, 27773), (304, 27824), (306, 27833), (336, 27947), (341, 27989), (344, 27998), (357, 28058),

Gene: Minnie_32 Start: 27202, Stop: 28503, Start Num: 46
Candidate Starts for Minnie_32:
(Start: 46 @27202 has 160 MA's), (79, 27322), (91, 27394), (105, 27511), (107, 27514), (125, 27592), (142, 27673), (202, 27724), (236, 27901), (246, 27943), (248, 27952), (273, 28090), (336, 28321), (341, 28363), (344, 28372), (355, 28429), (357, 28432),

Gene: MisterCuddles_31 Start: 26444, Stop: 27691, Start Num: 46
Candidate Starts for MisterCuddles_31:
(Start: 46 @26444 has 160 MA's), (79, 26564), (91, 26636), (105, 26753), (107, 26756), (125, 26834), (142, 26915), (202, 26957), (218, 27035), (246, 27161), (253, 27206), (264, 27266), (269, 27281), (281, 27323), (291, 27359), (304, 27413), (306, 27422), (336, 27536), (357, 27647),

Gene: Mithril_43 Start: 40570, Stop: 42306, Start Num: 33
Candidate Starts for Mithril_43:
(Start: 33 @40570 has 28 MA's), (51, 40645), (56, 40663), (63, 40684), (68, 40699), (83, 40771), (94, 40864), (103, 40936), (109, 40960), (127, 41047), (130, 41062), (175, 41251), (183, 41326), (192, 41407), (196, 41431), (197, 41434), (206, 41476), (230, 41587), (231, 41596), (234, 41605), (251, 41701), (256, 41740), (273, 41809), (286, 41833), (293, 41860), (298, 41890), (322, 41968), (325, 41992), (329, 42010), (330, 42013), (335, 42037), (340, 42082), (359, 42166),

Gene: MoMoMixon_246 Start: 142828, Stop: 144258, Start Num: 54
Candidate Starts for MoMoMixon_246:
(Start: 54 @142828 has 180 MA's), (79, 142918), (80, 142921), (89, 142981), (103, 143104), (109, 143128), (134, 143212), (144, 143254), (156, 143296), (183, 143461), (184, 143464), (228, 143719), (238, 143758), (244, 143788), (256, 143851), (260, 143872), (261, 143881), (263, 143884), (270, 143917), (278, 143932), (317, 144067), (334, 144142), (342, 144199), (343, 144202),

Gene: Moby_247 Start: 141563, Stop: 142993, Start Num: 54
Candidate Starts for Moby_247:
(Start: 54 @141563 has 180 MA's), (79, 141653), (89, 141716), (103, 141839), (109, 141863), (134, 141947), (144, 141989), (156, 142031), (183, 142196), (184, 142199), (228, 142454), (238, 142493), (244, 142523), (256, 142586), (260, 142607), (261, 142616), (263, 142619), (270, 142652), (278, 142667), (317, 142802), (334, 142877), (343, 142937),

Gene: Modragons_30 Start: 26379, Stop: 27572, Start Num: 46
Candidate Starts for Modragons_30:
(Start: 46 @26379 has 160 MA's), (71, 26463), (96, 26613), (102, 26667), (131, 26808), (219, 26889), (246, 27015), (264, 27120), (269, 27135), (281, 27177), (291, 27213), (292, 27216), (304, 27267), (306, 27276), (336, 27390), (341, 27432), (344, 27441), (355, 27498), (357, 27501),

Gene: Moiqah_246 Start: 141540, Stop: 142970, Start Num: 54
Candidate Starts for Moiqah_246:
(Start: 54 @141540 has 180 MA's), (79, 141630), (89, 141693), (103, 141816), (109, 141840), (134, 141924), (144, 141966), (156, 142008), (183, 142173), (184, 142176), (228, 142431), (238, 142470), (244, 142500), (256, 142563), (260, 142584), (261, 142593), (263, 142596), (270, 142629), (278, 142644), (317, 142779), (334, 142854), (343, 142914),

Gene: Momo_252 Start: 141959, Stop: 143389, Start Num: 54
Candidate Starts for Momo_252:
(Start: 54 @141959 has 180 MA's), (79, 142049), (89, 142112), (103, 142235), (109, 142259), (134, 142343), (144, 142385), (156, 142427), (183, 142592), (184, 142595), (228, 142850), (238, 142889), (244, 142919), (256, 142982), (260, 143003), (261, 143012), (263, 143015), (270, 143048), (278, 143063), (317, 143198), (334, 143273), (342, 143330), (343, 143333),

Gene: Montpel_247 Start: 143111, Stop: 144541, Start Num: 54
Candidate Starts for Montpel_247:
(Start: 54 @143111 has 180 MA's), (79, 143201), (89, 143264), (103, 143387), (109, 143411), (134, 143495), (144, 143537), (156, 143579), (183, 143744), (184, 143747), (228, 144002), (238, 144041), (244, 144071), (256, 144134), (260, 144155), (261, 144164), (263, 144167), (270, 144200), (278, 144215), (317, 144350), (334, 144425), (343, 144485),

Gene: MooMoo_28 Start: 25459, Stop: 26733, Start Num: 45
Candidate Starts for MooMoo_28:
(4, 25009), (11, 25114), (Start: 45 @25459 has 28 MA's), (64, 25522), (79, 25579), (111, 25768), (112, 25771), (128, 25849), (148, 25930), (164, 25981), (170, 26020), (173, 26029), (184, 26107), (185,

26110), (196, 26215), (213, 26299), (231, 26386), (256, 26503), (260, 26524), (262, 26536), (282, 26581), (301, 26659), (305, 26668),

Gene: Morizzled23_248 Start: 141775, Stop: 143205, Start Num: 54
Candidate Starts for Morizzled23_248:
(Start: 54 @141775 has 180 MA's), (79, 141865), (89, 141928), (103, 142051), (109, 142075), (134, 142159), (144, 142201), (156, 142243), (183, 142408), (184, 142411), (228, 142666), (238, 142705), (244, 142735), (256, 142798), (260, 142819), (261, 142828), (263, 142831), (270, 142864), (278, 142879), (317, 143014), (334, 143089), (342, 143146), (343, 143149),

Gene: MosMoris_52 Start: 30124, Stop: 31503, Start Num: 45
Candidate Starts for MosMoris_52:
(Start: 45 @30124 has 28 MA's), (Start: 61 @30181 has 3 MA's), (72, 30217), (76, 30241), (79, 30253), (94, 30376), (99, 30418), (112, 30490), (117, 30514), (119, 30520), (136, 30601), (154, 30670), (155, 30673), (164, 30709), (169, 30745), (181, 30817), (183, 30835), (184, 30838), (200, 30955), (204, 30985), (231, 31117), (237, 31138), (244, 31171), (255, 31225), (256, 31231), (290, 31351), (296, 31381), (301, 31402), (313, 31432),

Gene: Mova_31 Start: 26196, Stop: 27350, Start Num: 46
Candidate Starts for Mova_31:
(Start: 46 @26196 has 160 MA's), (71, 26280), (96, 26430), (102, 26484), (131, 26625), (219, 26706), (246, 26832), (247, 26838), (253, 26877), (264, 26937), (269, 26952), (281, 26994), (291, 27030), (292, 27033), (304, 27084), (306, 27093), (336, 27207), (357, 27318), (361, 27339),

Gene: MrMagoo_40 Start: 30898, Stop: 32313, Start Num: 42
Candidate Starts for MrMagoo_40:
(Start: 42 @30898 has 6 MA's), (57, 30952), (60, 30958), (70, 30988), (79, 31024), (108, 31225), (118, 31255), (126, 31273), (139, 31324), (143, 31339), (161, 31411), (162, 31417), (182, 31528), (186, 31555), (189, 31570), (201, 31645), (206, 31678), (216, 31729), (234, 31807), (275, 31984), (286, 32008), (287, 32011), (312, 32104), (317, 32125), (325, 32158), (337, 32218), (348, 32281),

Gene: Ms6_24 Start: 21977, Stop: 23131, Start Num: 46
Candidate Starts for Ms6_24:
(17, 21710), (Start: 46 @21977 has 160 MA's), (71, 22061), (96, 22211), (102, 22265), (131, 22406), (219, 22487), (246, 22613), (247, 22619), (253, 22658), (264, 22718), (269, 22733), (281, 22775), (291, 22811), (292, 22814), (304, 22865), (306, 22874), (336, 22988), (357, 23099), (361, 23120),

Gene: Mudslide_43 Start: 40826, Stop: 42562, Start Num: 33
Candidate Starts for Mudslide_43:
(Start: 33 @40826 has 28 MA's), (51, 40901), (56, 40919), (63, 40940), (68, 40955), (83, 41027), (94, 41120), (103, 41192), (109, 41216), (127, 41303), (130, 41318), (175, 41507), (183, 41582), (192, 41663), (196, 41687), (197, 41690), (204, 41726), (206, 41732), (230, 41843), (231, 41852), (234, 41861), (251, 41957), (256, 41996), (273, 42065), (286, 42089), (293, 42116), (298, 42146), (320, 42221), (322, 42224), (325, 42248), (329, 42266), (330, 42269), (335, 42293), (340, 42338), (359, 42422),

Gene: Mufasa_29 Start: 23220, Stop: 24878, Start Num: 43
Candidate Starts for Mufasa_29:
(Start: 43 @23220 has 4 MA's), (58, 23271), (59, 23274), (70, 23310), (79, 23346), (106, 23547), (114, 23577), (151, 23715), (166, 23787), (169, 23802), (180, 23868), (184, 23889), (196, 23991), (233, 24162), (240, 24198), (244, 24213), (256, 24276), (271, 24345), (286, 24378), (346, 24633), (369, 24783), (371, 24846),

Gene: MulchSalad_27 Start: 22629, Stop: 23891, Start Num: 45
Candidate Starts for MulchSalad_27:
(Start: 45 @22629 has 28 MA's), (67, 22701), (79, 22749), (82, 22767), (111, 22938), (112, 22941), (148, 23100), (164, 23154), (184, 23280), (185, 23283), (196, 23388), (203, 23409), (213, 23472), (226, 23508), (231, 23535), (262, 23685), (267, 23697), (270, 23721), (284, 23745),

Gene: Mutaforma13_30 Start: 26510, Stop: 27781, Start Num: 46
Candidate Starts for Mutaforma13_30:
(Start: 46 @26510 has 160 MA's), (79, 26627), (91, 26699), (105, 26816), (107, 26819), (142, 26978), (202, 27020), (218, 27098), (246, 27224), (247, 27230), (248, 27233), (253, 27269), (257, 27299), (269, 27344), (281, 27386), (291, 27422), (304, 27476), (306, 27485), (336, 27599), (341, 27641), (344, 27650), (355, 27707), (357, 27710),

Gene: Mwanjiwa_30 Start: 26457, Stop: 27650, Start Num: 46
Candidate Starts for Mwanjiwa_30:
(14, 26184), (20, 26205), (Start: 46 @26457 has 160 MA's), (71, 26541), (96, 26691), (102, 26745), (131, 26886), (219, 26967), (246, 27093), (247, 27099), (253, 27138), (264, 27198), (269, 27213), (281, 27255), (291, 27291), (295, 27309), (304, 27345), (306, 27354), (336, 27468), (341, 27510), (344, 27519), (355, 27576), (357, 27579),

Gene: Naija_251 Start: 142662, Stop: 144092, Start Num: 54
Candidate Starts for Naija_251:
(Start: 54 @142662 has 180 MA's), (79, 142752), (89, 142815), (103, 142938), (109, 142962), (134, 143046), (144, 143088), (156, 143130), (183, 143295), (184, 143298), (228, 143553), (238, 143592), (244, 143622), (256, 143685), (260, 143706), (261, 143715), (263, 143718), (270, 143751), (278, 143766), (317, 143901), (334, 143976), (342, 144033), (343, 144036),

Gene: Nanao_42 Start: 39522, Stop: 41258, Start Num: 33
Candidate Starts for Nanao_42:
(Start: 33 @39522 has 28 MA's), (51, 39597), (56, 39615), (63, 39636), (68, 39651), (83, 39723), (94, 39816), (103, 39888), (109, 39912), (127, 39999), (130, 40014), (174, 40197), (183, 40278), (192, 40359), (196, 40383), (197, 40386), (206, 40428), (230, 40539), (231, 40548), (234, 40557), (251, 40653), (256, 40692), (273, 40761), (286, 40785), (293, 40812), (298, 40842), (322, 40920), (325, 40944), (329, 40962), (330, 40965), (335, 40989), (340, 41034), (359, 41118),

Gene: Nanosmite_40 Start: 30775, Stop: 32142, Start Num: 65
Candidate Starts for Nanosmite_40:
(34, 30640), (Start: 65 @30775 has 16 MA's), (79, 30832), (83, 30859), (89, 30898), (108, 31036), (110, 31045), (113, 31060), (137, 31144), (157, 31222), (161, 31240), (182, 31354), (186, 31381), (189, 31396), (201, 31471), (206, 31504), (221, 31573), (222, 31585), (233, 31627), (255, 31735), (275, 31813), (317, 31954), (323, 31972), (325, 31987), (332, 32017), (337, 32047), (344, 32086), (350, 32122),

Gene: Napoleon13_247 Start: 141691, Stop: 143121, Start Num: 54
Candidate Starts for Napoleon13_247:
(Start: 54 @141691 has 180 MA's), (79, 141781), (89, 141844), (103, 141967), (109, 141991), (134, 142075), (144, 142117), (156, 142159), (183, 142324), (184, 142327), (228, 142582), (238, 142621), (244, 142651), (256, 142714), (260, 142735), (261, 142744), (263, 142747), (270, 142780), (278, 142795), (317, 142930), (334, 143005), (342, 143062), (343, 143065),

Gene: Nappy_249 Start: 143768, Stop: 145198, Start Num: 54
Candidate Starts for Nappy_249:

(Start: 54 @143768 has 180 MA's), (79, 143858), (80, 143861), (89, 143921), (103, 144044), (109, 144068), (134, 144152), (144, 144194), (156, 144236), (183, 144401), (184, 144404), (228, 144659), (238, 144698), (244, 144728), (256, 144791), (260, 144812), (261, 144821), (263, 144824), (270, 144857), (278, 144872), (317, 145007), (334, 145082), (342, 145139), (343, 145142),

Gene: Naval22_255 Start: 144442, Stop: 145872, Start Num: 54
Candidate Starts for Naval22_255:
(Start: 54 @144442 has 180 MA's), (79, 144532), (80, 144535), (89, 144595), (103, 144718), (109, 144742), (134, 144826), (144, 144868), (156, 144910), (183, 145075), (184, 145078), (228, 145333), (238, 145372), (244, 145402), (256, 145465), (260, 145486), (261, 145495), (263, 145498), (270, 145531), (278, 145546), (317, 145681), (334, 145756), (342, 145813), (343, 145816),

Gene: Nebkiss_34 Start: 28982, Stop: 30292, Start Num: 66
Candidate Starts for Nebkiss_34:
(Start: 66 @28982 has 1 MA's), (86, 29072), (87, 29078), (94, 29147), (108, 29234), (117, 29273), (144, 29369), (151, 29399), (167, 29459), (169, 29468), (170, 29471), (183, 29552), (196, 29657), (199, 29663), (215, 29750), (217, 29756), (228, 29807), (233, 29825), (234, 29831), (237, 29843), (238, 29846), (239, 29855), (240, 29861), (256, 29954), (260, 29975), (276, 30014), (285, 30032), (299, 30101), (317, 30155), (321, 30167), (323, 30173), (324, 30188), (325, 30191), (338, 30257), (339, 30260),

Gene: NedWong_249 Start: 143120, Stop: 144550, Start Num: 54
Candidate Starts for NedWong_249:
(Start: 54 @143120 has 180 MA's), (79, 143210), (89, 143273), (103, 143396), (109, 143420), (134, 143504), (144, 143546), (156, 143588), (183, 143753), (184, 143756), (228, 144011), (238, 144050), (244, 144080), (256, 144143), (260, 144164), (261, 144173), (263, 144176), (270, 144209), (278, 144224), (317, 144359), (334, 144434), (342, 144491), (343, 144494),

Gene: Ngannou_245 Start: 141644, Stop: 143074, Start Num: 54
Candidate Starts for Ngannou_245:
(Start: 54 @141644 has 180 MA's), (79, 141734), (89, 141797), (103, 141920), (109, 141944), (134, 142028), (144, 142070), (156, 142112), (183, 142277), (184, 142280), (228, 142535), (238, 142574), (244, 142604), (256, 142667), (260, 142688), (261, 142697), (263, 142700), (270, 142733), (278, 142748), (317, 142883), (334, 142958), (342, 143015), (343, 143018),

Gene: Nichirin_31 Start: 26482, Stop: 27756, Start Num: 46
Candidate Starts for Nichirin_31:
(Start: 46 @26482 has 160 MA's), (79, 26602), (91, 26674), (105, 26791), (107, 26794), (125, 26872), (142, 26953), (202, 26995), (218, 27073), (246, 27199), (264, 27304), (269, 27319), (281, 27361), (291, 27397), (292, 27400), (304, 27451), (306, 27460), (336, 27574), (341, 27616), (344, 27625), (355, 27682), (357, 27685),

Gene: Nidhogg_251 Start: 143488, Stop: 144918, Start Num: 54
Candidate Starts for Nidhogg_251:
(Start: 54 @143488 has 180 MA's), (79, 143578), (80, 143581), (89, 143641), (103, 143764), (109, 143788), (134, 143872), (144, 143914), (156, 143956), (183, 144121), (184, 144124), (228, 144379), (238, 144418), (244, 144448), (256, 144511), (260, 144532), (261, 144541), (263, 144544), (270, 144577), (278, 144592), (317, 144727), (334, 144802), (342, 144859), (343, 144862),

Gene: Nigel_42 Start: 39419, Stop: 41152, Start Num: 33
Candidate Starts for Nigel_42:
(23, 39323), (Start: 33 @39419 has 28 MA's), (51, 39494), (56, 39512), (63, 39533), (64, 39536), (68, 39548), (83, 39620), (94, 39713), (103, 39785), (109, 39809), (127, 39896), (130, 39911), (163,

40031), (175, 40100), (183, 40175), (192, 40256), (196, 40280), (197, 40283), (230, 40436), (231, 40445), (256, 40589), (273, 40655), (286, 40679), (293, 40706), (298, 40736), (320, 40811), (329, 40856), (330, 40859), (335, 40883), (345, 40946), (359, 41012), (364, 41030),

Gene: Nimbo_30 Start: 26331, Stop: 27524, Start Num: 46
Candidate Starts for Nimbo_30:
(Start: 46 @26331 has 160 MA's), (71, 26415), (96, 26565), (102, 26619), (131, 26760), (219, 26841), (246, 26967), (253, 27012), (269, 27087), (281, 27129), (291, 27165), (292, 27168), (304, 27219), (306, 27228), (336, 27342), (341, 27384), (344, 27393), (355, 27450), (357, 27453),

Gene: Nitzel_31 Start: 27046, Stop: 28239, Start Num: 46
Candidate Starts for Nitzel_31:
(Start: 46 @27046 has 160 MA's), (71, 27130), (96, 27280), (102, 27334), (131, 27475), (219, 27556), (246, 27682), (247, 27688), (253, 27727), (269, 27802), (281, 27844), (291, 27880), (304, 27934), (306, 27943), (336, 28057), (341, 28099), (344, 28108), (355, 28165), (357, 28168),

Gene: NoodleTree_246 Start: 138239, Stop: 139669, Start Num: 54
Candidate Starts for NoodleTree_246:
(Start: 54 @138239 has 180 MA's), (79, 138329), (80, 138332), (89, 138392), (103, 138515), (109, 138539), (134, 138623), (144, 138665), (156, 138707), (183, 138872), (184, 138875), (228, 139130), (238, 139169), (244, 139199), (256, 139262), (260, 139283), (261, 139292), (263, 139295), (270, 139328), (278, 139343), (317, 139478), (334, 139553), (343, 139613),

Gene: Norm_250 Start: 143389, Stop: 144819, Start Num: 54
Candidate Starts for Norm_250:
(Start: 54 @143389 has 180 MA's), (79, 143479), (89, 143542), (103, 143665), (109, 143689), (134, 143773), (144, 143815), (156, 143857), (183, 144022), (184, 144025), (228, 144280), (238, 144319), (244, 144349), (256, 144412), (260, 144433), (261, 144442), (263, 144445), (270, 144478), (278, 144493), (317, 144628), (334, 144703), (342, 144760), (343, 144763),

Gene: NuevoMundo_252 Start: 143875, Stop: 145305, Start Num: 54
Candidate Starts for NuevoMundo_252:
(Start: 54 @143875 has 180 MA's), (79, 143965), (89, 144028), (103, 144151), (109, 144175), (134, 144259), (144, 144301), (156, 144343), (183, 144508), (184, 144511), (228, 144766), (238, 144805), (244, 144835), (256, 144898), (260, 144919), (261, 144928), (263, 144931), (270, 144964), (278, 144979), (317, 145114), (334, 145189), (342, 145246), (343, 145249),

Gene: Ochi17_28 Start: 25986, Stop: 27179, Start Num: 46
Candidate Starts for Ochi17_28:
(Start: 46 @25986 has 160 MA's), (71, 26070), (96, 26220), (102, 26274), (131, 26415), (219, 26496), (246, 26622), (264, 26727), (269, 26742), (281, 26784), (291, 26820), (292, 26823), (304, 26874), (306, 26883), (336, 26997), (341, 27039), (344, 27048), (355, 27105), (357, 27108),

Gene: OfUltron_30 Start: 26535, Stop: 27728, Start Num: 46
Candidate Starts for OfUltron_30:
(Start: 46 @26535 has 160 MA's), (71, 26619), (96, 26769), (102, 26823), (131, 26964), (219, 27045), (246, 27171), (264, 27276), (269, 27291), (281, 27333), (291, 27369), (292, 27372), (304, 27423), (306, 27432), (336, 27546), (341, 27588), (344, 27597), (355, 27654), (357, 27657),

Gene: Oksu_31 Start: 26379, Stop: 27572, Start Num: 46
Candidate Starts for Oksu_31:
(Start: 46 @26379 has 160 MA's), (71, 26463), (96, 26613), (102, 26667), (131, 26808), (219, 26889), (246, 27015), (264, 27120), (269, 27135), (281, 27177), (291, 27213), (292, 27216), (304, 27267),

(306, 27276), (336, 27390), (341, 27432), (344, 27441), (355, 27498), (357, 27501),

Gene: OldBen_30 Start: 26283, Stop: 27554, Start Num: 46
Candidate Starts for OldBen_30:
(Start: 46 @26283 has 160 MA's), (79, 26400), (91, 26472), (105, 26589), (107, 26592), (125, 26670), (142, 26751), (202, 26793), (218, 26871), (246, 26997), (247, 27003), (248, 27006), (269, 27117), (281, 27159), (292, 27198), (295, 27213), (304, 27249), (306, 27258), (336, 27372), (341, 27414), (355, 27480), (357, 27483),

Gene: OlympiaSaint_30 Start: 26699, Stop: 27970, Start Num: 46
Candidate Starts for OlympiaSaint_30:
(Start: 46 @26699 has 160 MA's), (79, 26816), (91, 26888), (105, 27005), (107, 27008), (125, 27086), (142, 27167), (202, 27209), (218, 27287), (246, 27413), (264, 27518), (269, 27533), (281, 27575), (291, 27611), (292, 27614), (304, 27665), (306, 27674), (336, 27788), (341, 27830), (344, 27839), (355, 27896), (357, 27899),

Gene: OrediggerDelux_247 Start: 144064, Stop: 145494, Start Num: 54
Candidate Starts for OrediggerDelux_247:
(Start: 54 @144064 has 180 MA's), (79, 144154), (89, 144217), (103, 144340), (109, 144364), (134, 144448), (144, 144490), (156, 144532), (183, 144697), (184, 144700), (228, 144955), (238, 144994), (244, 145024), (256, 145087), (260, 145108), (261, 145117), (263, 145120), (270, 145153), (278, 145168), (317, 145303), (334, 145378), (342, 145435), (343, 145438),

Gene: Ovechkin_30 Start: 26501, Stop: 27664, Start Num: 46
Candidate Starts for Ovechkin_30:
(14, 26228), (16, 26231), (Start: 46 @26501 has 160 MA's), (71, 26585), (96, 26735), (102, 26789), (131, 26930), (219, 27008), (246, 27134), (247, 27140), (253, 27179), (264, 27239), (269, 27254), (281, 27296), (291, 27332), (292, 27335), (295, 27350), (304, 27386), (306, 27395), (336, 27509), (357, 27620),

Gene: OwlsT2W_31 Start: 26780, Stop: 27949, Start Num: 46
Candidate Starts for OwlsT2W_31:
(Start: 46 @26780 has 160 MA's), (71, 26864), (96, 27014), (102, 27068), (131, 27209), (236, 27386), (246, 27428), (248, 27437), (344, 27857), (357, 27917), (362, 27938),

Gene: PHappiness_30 Start: 26304, Stop: 27497, Start Num: 46
Candidate Starts for PHappiness_30:
(9, 25938), (Start: 46 @26304 has 160 MA's), (71, 26388), (96, 26538), (102, 26592), (131, 26733), (219, 26814), (246, 26940), (253, 26985), (269, 27060), (281, 27102), (291, 27138), (292, 27141), (304, 27192), (306, 27201), (336, 27315), (341, 27357), (344, 27366), (355, 27423), (357, 27426),

Gene: PMC_30 Start: 26306, Stop: 27499, Start Num: 46
Candidate Starts for PMC_30:
(Start: 46 @26306 has 160 MA's), (71, 26390), (96, 26540), (102, 26594), (131, 26735), (219, 26816), (246, 26942), (247, 26948), (269, 27062), (281, 27104), (291, 27140), (295, 27158), (304, 27194), (306, 27203), (336, 27317), (341, 27359), (344, 27368), (355, 27425), (357, 27428),

Gene: ParkTD_249 Start: 142959, Stop: 144389, Start Num: 54
Candidate Starts for ParkTD_249:
(Start: 54 @142959 has 180 MA's), (79, 143049), (89, 143112), (103, 143235), (109, 143259), (134, 143343), (144, 143385), (156, 143427), (183, 143592), (184, 143595), (228, 143850), (238, 143889), (244, 143919), (256, 143982), (260, 144003), (261, 144012), (263, 144015), (270, 144048), (278, 144063), (317, 144198), (334, 144273), (342, 144330), (343, 144333),

Gene: Patience_41 Start: 34399, Stop: 35790, Start Num: 61
Candidate Starts for Patience_41:
(Start: 61 @34399 has 3 MA's), (73, 34438), (81, 34474), (89, 34534), (92, 34564), (108, 34681), (113, 34705), (144, 34822), (156, 34867), (168, 34942), (171, 34951), (185, 35038), (194, 35110), (208, 35197), (214, 35215), (232, 35287), (235, 35299), (250, 35353), (252, 35365), (255, 35389), (275, 35467), (289, 35500), (293, 35515), (312, 35584), (323, 35623), (330, 35662), (335, 35683), (353, 35782),

Gene: Patter_252 Start: 142619, Stop: 144049, Start Num: 54
Candidate Starts for Patter_252:
(Start: 54 @142619 has 180 MA's), (79, 142709), (80, 142712), (89, 142772), (103, 142895), (109, 142919), (134, 143003), (144, 143045), (156, 143087), (183, 143252), (184, 143255), (228, 143510), (238, 143549), (244, 143579), (256, 143642), (260, 143663), (261, 143672), (263, 143675), (270, 143708), (278, 143723), (317, 143858), (334, 143933), (342, 143990), (343, 143993),

Gene: PegLeg_35 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for PegLeg_35:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343, 31106), (344, 31109), (350, 31145),

Gene: PenguinLover67_49 Start: 42209, Stop: 43822, Start Num: 48
Candidate Starts for PenguinLover67_49:
(2, 41603), (15, 41942), (22, 41990), (Start: 48 @42209 has 1 MA's), (76, 42314), (77, 42317), (78, 42323), (79, 42326), (93, 42428), (100, 42500), (103, 42512), (146, 42695), (150, 42710), (153, 42722), (160, 42743), (169, 42812), (183, 42896), (192, 42977), (196, 43001), (203, 43022), (212, 43082), (230, 43145), (231, 43154), (234, 43163), (256, 43292), (260, 43313), (273, 43364), (277, 43370), (287, 43397), (293, 43424), (305, 43475), (308, 43487), (311, 43493), (330, 43577),

Gene: Peridot_35 Start: 27744, Stop: 29018, Start Num: 46
Candidate Starts for Peridot_35:
(Start: 46 @27744 has 160 MA's), (79, 27864), (91, 27936), (105, 28053), (107, 28056), (125, 28134), (142, 28215), (202, 28257), (218, 28335), (246, 28461), (264, 28566), (269, 28581), (281, 28623), (291, 28659), (292, 28662), (304, 28713), (306, 28722), (336, 28836), (341, 28878), (344, 28887), (355, 28944), (357, 28947),

Gene: Phanphagia_27 Start: 25503, Stop: 26657, Start Num: 46
Candidate Starts for Phanphagia_27:
(14, 25230), (19, 25251), (Start: 46 @25503 has 160 MA's), (71, 25587), (96, 25737), (102, 25791), (131, 25932), (219, 26013), (246, 26139), (247, 26145), (253, 26184), (264, 26244), (269, 26259), (281, 26301), (291, 26337), (292, 26340), (304, 26391), (306, 26400), (336, 26514), (357, 26625), (361, 26646),

Gene: PharkleMinkus_254 Start: 142012, Stop: 143442, Start Num: 54
Candidate Starts for PharkleMinkus_254:
(Start: 54 @142012 has 180 MA's), (79, 142102), (89, 142165), (103, 142288), (109, 142312), (134, 142396), (144, 142438), (156, 142480), (183, 142645), (184, 142648), (228, 142903), (238, 142942), (244, 142972), (256, 143035), (260, 143056), (261, 143065), (263, 143068), (270, 143101), (278, 143116), (317, 143251), (334, 143326), (342, 143383), (343, 143386),

Gene: Phasih_31 Start: 26881, Stop: 28074, Start Num: 46
Candidate Starts for Phasih_31:
(Start: 46 @26881 has 160 MA's), (71, 26965), (96, 27115), (102, 27169), (131, 27310), (219, 27391), (246, 27517), (247, 27523), (248, 27526), (253, 27562), (269, 27637), (281, 27679), (291, 27715), (306, 27778), (336, 27892), (341, 27934), (344, 27943), (355, 28000), (357, 28003),

Gene: Phatniss_31 Start: 26823, Stop: 28016, Start Num: 46
Candidate Starts for Phatniss_31:
(Start: 46 @26823 has 160 MA's), (71, 26907), (96, 27057), (102, 27111), (131, 27252), (219, 27333), (246, 27459), (247, 27465), (269, 27579), (281, 27621), (291, 27657), (295, 27675), (304, 27711), (306, 27720), (336, 27834), (341, 27876), (344, 27885), (355, 27942), (357, 27945),

Gene: Philus_30 Start: 26322, Stop: 27593, Start Num: 46
Candidate Starts for Philus_30:
(Start: 46 @26322 has 160 MA's), (79, 26439), (91, 26511), (105, 26628), (107, 26631), (125, 26709), (142, 26790), (202, 26832), (218, 26910), (246, 27036), (264, 27141), (269, 27156), (281, 27198), (291, 27234), (292, 27237), (304, 27288), (306, 27297), (336, 27411), (341, 27453), (344, 27462), (355, 27519), (357, 27522),

Gene: Phlegm_255 Start: 143365, Stop: 144795, Start Num: 54
Candidate Starts for Phlegm_255:
(Start: 54 @143365 has 180 MA's), (79, 143455), (89, 143518), (103, 143641), (109, 143665), (134, 143749), (144, 143791), (156, 143833), (183, 143998), (184, 144001), (228, 144256), (238, 144295), (244, 144325), (256, 144388), (260, 144409), (261, 144418), (263, 144421), (270, 144454), (278, 144469), (317, 144604), (334, 144679), (342, 144736), (343, 144739),

Gene: PhlipPhlop_31 Start: 27860, Stop: 29131, Start Num: 46
Candidate Starts for PhlipPhlop_31:
(Start: 46 @27860 has 160 MA's), (79, 27977), (91, 28049), (105, 28166), (107, 28169), (125, 28247), (142, 28328), (202, 28370), (218, 28448), (246, 28574), (264, 28679), (269, 28694), (281, 28736), (291, 28772), (292, 28775), (304, 28826), (306, 28835), (336, 28949), (341, 28991), (344, 29000), (355, 29057), (357, 29060),

Gene: Phox_251 Start: 142614, Stop: 144044, Start Num: 54
Candidate Starts for Phox_251:
(Start: 54 @142614 has 180 MA's), (79, 142704), (89, 142767), (103, 142890), (109, 142914), (134, 142998), (144, 143040), (156, 143082), (183, 143247), (184, 143250), (228, 143505), (238, 143544), (244, 143574), (256, 143637), (260, 143658), (261, 143667), (263, 143670), (270, 143703), (278, 143718), (317, 143853), (334, 143928), (342, 143985), (343, 143988),

Gene: Phusco_249 Start: 142197, Stop: 143627, Start Num: 54
Candidate Starts for Phusco_249:
(Start: 54 @142197 has 180 MA's), (79, 142287), (89, 142350), (103, 142473), (109, 142497), (134, 142581), (144, 142623), (156, 142665), (183, 142830), (184, 142833), (228, 143088), (238, 143127), (244, 143157), (256, 143220), (260, 143241), (261, 143250), (263, 143253), (270, 143286), (278, 143301), (317, 143436), (334, 143511), (342, 143568), (343, 143571),

Gene: Pier_249 Start: 143490, Stop: 144920, Start Num: 54
Candidate Starts for Pier_249:
(Start: 54 @143490 has 180 MA's), (79, 143580), (89, 143643), (103, 143766), (109, 143790), (134, 143874), (144, 143916), (156, 143958), (183, 144123), (184, 144126), (228, 144381), (238, 144420), (244, 144450), (256, 144513), (260, 144534), (261, 144543), (263, 144546), (270, 144579), (278, 144594), (317, 144729), (334, 144804), (342, 144861), (343, 144864),

Gene: Pinkcreek_230 Start: 139816, Stop: 141246, Start Num: 54
Candidate Starts for Pinkcreek_230:
(40, 139774), (Start: 54 @139816 has 180 MA's), (79, 139906), (89, 139969), (103, 140092), (109, 140116), (134, 140200), (144, 140242), (156, 140284), (183, 140449), (184, 140452), (228, 140707), (238, 140746), (244, 140776), (256, 140839), (260, 140860), (261, 140869), (263, 140872), (270, 140905), (278, 140920), (317, 141055), (334, 141130), (343, 141190),

Gene: Pio_257 Start: 144693, Stop: 146123, Start Num: 54
Candidate Starts for Pio_257:
(Start: 54 @144693 has 180 MA's), (79, 144783), (89, 144846), (103, 144969), (109, 144993), (134, 145077), (144, 145119), (156, 145161), (183, 145326), (184, 145329), (228, 145584), (238, 145623), (244, 145653), (256, 145716), (260, 145737), (261, 145746), (263, 145749), (270, 145782), (278, 145797), (317, 145932), (334, 146007), (342, 146064), (343, 146067),

Gene: Piper2020_32 Start: 26915, Stop: 28126, Start Num: 46
Candidate Starts for Piper2020_32:
(Start: 46 @26915 has 160 MA's), (71, 26999), (96, 27149), (102, 27203), (131, 27344), (219, 27425), (246, 27551), (247, 27557), (248, 27560), (253, 27596), (264, 27656), (269, 27671), (281, 27713), (291, 27749), (292, 27752), (304, 27803), (306, 27812), (336, 27926), (357, 28037),

Gene: Pivoine_251 Start: 142662, Stop: 144092, Start Num: 54
Candidate Starts for Pivoine_251:
(Start: 54 @142662 has 180 MA's), (79, 142752), (89, 142815), (103, 142938), (109, 142962), (134, 143046), (144, 143088), (156, 143130), (183, 143295), (184, 143298), (228, 143553), (238, 143592), (244, 143622), (256, 143685), (260, 143706), (261, 143715), (263, 143718), (270, 143751), (278, 143766), (317, 143901), (334, 143976), (342, 144033), (343, 144036),

Gene: Pleione_254 Start: 143425, Stop: 144855, Start Num: 54
Candidate Starts for Pleione_254:
(Start: 54 @143425 has 180 MA's), (79, 143515), (89, 143578), (103, 143701), (109, 143725), (134, 143809), (144, 143851), (156, 143893), (183, 144058), (184, 144061), (228, 144316), (238, 144355), (244, 144385), (256, 144448), (260, 144469), (261, 144478), (263, 144481), (270, 144514), (278, 144529), (317, 144664), (334, 144739), (342, 144796), (343, 144799),

Gene: Plumbus_32 Start: 26320, Stop: 27594, Start Num: 46
Candidate Starts for Plumbus_32:
(Start: 46 @26320 has 160 MA's), (79, 26440), (91, 26512), (105, 26629), (107, 26632), (125, 26710), (142, 26791), (202, 26833), (218, 26911), (246, 27037), (247, 27043), (248, 27046), (253, 27082), (269, 27157), (281, 27199), (291, 27235), (306, 27298), (336, 27412), (341, 27454), (344, 27463), (355, 27520), (357, 27523),

Gene: Poenanya_30 Start: 26448, Stop: 27641, Start Num: 46
Candidate Starts for Poenanya_30:
(Start: 46 @26448 has 160 MA's), (71, 26532), (96, 26682), (102, 26736), (131, 26877), (219, 26958), (246, 27084), (247, 27090), (248, 27093), (269, 27204), (281, 27246), (291, 27282), (304, 27336), (306, 27345), (336, 27459), (341, 27501), (344, 27510), (355, 27567), (357, 27570),

Gene: Poise_54 Start: 30021, Stop: 31400, Start Num: 45
Candidate Starts for Poise_54:
(Start: 45 @30021 has 28 MA's), (Start: 61 @30078 has 3 MA's), (72, 30114), (76, 30138), (79, 30150), (94, 30273), (99, 30315), (112, 30387), (117, 30411), (119, 30417), (136, 30498), (154, 30567), (155, 30570), (164, 30606), (169, 30642), (181, 30714), (183, 30732), (184, 30735), (200, 30852), (204,

30882), (231, 31014), (237, 31035), (244, 31068), (255, 31122), (256, 31128), (290, 31248), (296, 31278), (301, 31299), (313, 31329),

Gene: Polka14_31 Start: 26869, Stop: 28140, Start Num: 46
Candidate Starts for Polka14_31:
(15, 26596), (19, 26617), (Start: 46 @26869 has 160 MA's), (79, 26986), (91, 27058), (105, 27175), (107, 27178), (125, 27256), (142, 27337), (202, 27379), (218, 27457), (246, 27583), (247, 27589), (248, 27592), (269, 27703), (281, 27745), (292, 27784), (295, 27799), (304, 27835), (306, 27844), (336, 27958), (341, 28000), (344, 28009), (355, 28066), (357, 28069),

Gene: Pollywog_30 Start: 26566, Stop: 27849, Start Num: 46
Candidate Starts for Pollywog_30:
(Start: 46 @26566 has 160 MA's), (79, 26683), (91, 26755), (105, 26872), (107, 26875), (125, 26953), (142, 27034), (202, 27085), (218, 27163), (246, 27289), (247, 27295), (253, 27334), (269, 27409), (281, 27451), (292, 27490), (304, 27541), (306, 27550), (336, 27667), (341, 27709), (344, 27718), (355, 27775), (357, 27778),

Gene: Polo2Bam_34 Start: 26505, Stop: 27698, Start Num: 46
Candidate Starts for Polo2Bam_34:
(14, 26232), (20, 26253), (Start: 46 @26505 has 160 MA's), (71, 26589), (96, 26739), (102, 26793), (131, 26934), (219, 27015), (246, 27141), (247, 27147), (253, 27186), (264, 27246), (269, 27261), (281, 27303), (291, 27339), (292, 27342), (295, 27357), (304, 27393), (306, 27402), (336, 27516), (341, 27558), (344, 27567), (355, 27624), (357, 27627),

Gene: Poster_42 Start: 39523, Stop: 41259, Start Num: 33
Candidate Starts for Poster_42:
(Start: 33 @39523 has 28 MA's), (51, 39598), (56, 39616), (63, 39637), (68, 39652), (83, 39724), (94, 39817), (103, 39889), (109, 39913), (127, 40000), (130, 40015), (174, 40198), (183, 40279), (192, 40360), (196, 40384), (197, 40387), (206, 40429), (230, 40540), (231, 40549), (234, 40558), (251, 40654), (256, 40693), (273, 40762), (286, 40786), (293, 40813), (298, 40843), (322, 40921), (325, 40945), (329, 40963), (330, 40966), (335, 40990), (340, 41035), (359, 41119),

Gene: Primadonna_246 Start: 142774, Stop: 144204, Start Num: 54
Candidate Starts for Primadonna_246:
(Start: 54 @142774 has 180 MA's), (79, 142864), (89, 142927), (103, 143050), (109, 143074), (134, 143158), (144, 143200), (156, 143242), (183, 143407), (184, 143410), (228, 143665), (238, 143704), (244, 143734), (256, 143797), (260, 143818), (261, 143827), (263, 143830), (270, 143863), (278, 143878), (317, 144013), (334, 144088), (342, 144145), (343, 144148),

Gene: Prince_43 Start: 40736, Stop: 42472, Start Num: 33
Candidate Starts for Prince_43:
(Start: 33 @40736 has 28 MA's), (51, 40811), (56, 40829), (63, 40850), (68, 40865), (83, 40937), (94, 41030), (103, 41102), (109, 41126), (127, 41213), (130, 41228), (175, 41417), (183, 41492), (192, 41573), (196, 41597), (197, 41600), (230, 41753), (231, 41762), (234, 41771), (251, 41867), (256, 41906), (273, 41975), (286, 41999), (293, 42026), (298, 42056), (322, 42134), (325, 42158), (329, 42176), (330, 42179), (340, 42248), (359, 42332),

Gene: Pringar_54 Start: 30309, Stop: 31688, Start Num: 45
Candidate Starts for Pringar_54:
(Start: 45 @30309 has 28 MA's), (Start: 61 @30366 has 3 MA's), (72, 30402), (76, 30426), (79, 30438), (94, 30561), (99, 30603), (112, 30675), (117, 30699), (119, 30705), (136, 30786), (154, 30855), (155, 30858), (164, 30894), (169, 30930), (181, 31002), (183, 31020), (184, 31023), (200, 31140), (204, 31170), (231, 31302), (237, 31323), (244, 31356), (255, 31410), (256, 31416), (290, 31536), (296,

31566), (301, 31587), (313, 31617),

Gene: Priscilla_30 Start: 26513, Stop: 27784, Start Num: 46
Candidate Starts for Priscilla_30:
(Start: 46 @26513 has 160 MA's), (79, 26630), (91, 26702), (105, 26819), (107, 26822), (125, 26900), (142, 26981), (202, 27023), (218, 27101), (246, 27227), (264, 27332), (269, 27347), (281, 27389), (291, 27425), (292, 27428), (304, 27479), (306, 27488), (336, 27602), (341, 27644), (344, 27653), (355, 27710), (357, 27713),

Gene: Pupusa_253 Start: 143988, Stop: 145418, Start Num: 54
Candidate Starts for Pupusa_253:
(Start: 54 @143988 has 180 MA's), (79, 144078), (89, 144141), (103, 144264), (109, 144288), (134, 144372), (144, 144414), (156, 144456), (183, 144621), (184, 144624), (228, 144879), (238, 144918), (244, 144948), (256, 145011), (260, 145032), (261, 145041), (263, 145044), (270, 145077), (278, 145092), (317, 145227), (334, 145302), (342, 145359), (343, 145362),

Gene: PurduePete_251 Start: 144139, Stop: 145569, Start Num: 54
Candidate Starts for PurduePete_251:
(Start: 54 @144139 has 180 MA's), (79, 144229), (89, 144292), (103, 144415), (109, 144439), (134, 144523), (144, 144565), (156, 144607), (183, 144772), (184, 144775), (228, 145030), (238, 145069), (244, 145099), (256, 145162), (260, 145183), (261, 145192), (263, 145195), (270, 145228), (278, 145243), (317, 145378), (334, 145453), (343, 145513),

Gene: QBert_242 Start: 141012, Stop: 142442, Start Num: 54
Candidate Starts for QBert_242:
(Start: 54 @141012 has 180 MA's), (79, 141102), (89, 141165), (103, 141288), (109, 141312), (134, 141396), (144, 141438), (156, 141480), (183, 141645), (184, 141648), (228, 141903), (238, 141942), (244, 141972), (256, 142035), (260, 142056), (261, 142065), (263, 142068), (270, 142101), (278, 142116), (317, 142251), (334, 142326), (342, 142383), (343, 142386),

Gene: Quasimodo_253 Start: 142998, Stop: 144428, Start Num: 54
Candidate Starts for Quasimodo_253:
(Start: 54 @142998 has 180 MA's), (79, 143088), (89, 143151), (103, 143274), (109, 143298), (134, 143382), (144, 143424), (156, 143466), (183, 143631), (184, 143634), (228, 143889), (238, 143928), (244, 143958), (256, 144021), (260, 144042), (261, 144051), (263, 144054), (270, 144087), (278, 144102), (317, 144237), (334, 144312), (342, 144369), (343, 144372),

Gene: QueenPie_42 Start: 40647, Stop: 42371, Start Num: 33
Candidate Starts for QueenPie_42:
(Start: 33 @40647 has 28 MA's), (51, 40722), (56, 40740), (63, 40761), (68, 40776), (83, 40848), (94, 40941), (103, 41001), (109, 41025), (127, 41112), (130, 41127), (174, 41310), (175, 41316), (183, 41391), (192, 41472), (196, 41496), (206, 41541), (230, 41652), (231, 41661), (234, 41670), (256, 41805), (273, 41874), (286, 41898), (293, 41925), (298, 41955), (320, 42030), (322, 42033), (325, 42057), (329, 42075), (330, 42078), (335, 42102), (340, 42147), (359, 42231),

Gene: Quesadilla_49 Start: 42178, Stop: 43833, Start Num: 44
Candidate Starts for Quesadilla_49:
(25, 42043), (26, 42052), (28, 42058), (30, 42076), (Start: 44 @42178 has 4 MA's), (Start: 49 @42187 has 2 MA's), (79, 42301), (97, 42442), (100, 42481), (103, 42493), (113, 42532), (152, 42697), (174, 42811), (175, 42817), (183, 42892), (188, 42931), (192, 42973), (197, 43000), (207, 43054), (210, 43069), (231, 43159), (256, 43303), (280, 43387), (313, 43498), (315, 43510), (327, 43570), (335, 43600), (351, 43690), (359, 43720), (370, 43822),

Gene: Quico_31 Start: 26135, Stop: 27328, Start Num: 46
Candidate Starts for Quico_31:
(Start: 46 @26135 has 160 MA's), (71, 26219), (96, 26369), (102, 26423), (131, 26564), (219, 26645), (246, 26771), (247, 26777), (248, 26780), (269, 26891), (281, 26933), (291, 26969), (295, 26987), (304, 27023), (306, 27032), (336, 27146), (341, 27188), (344, 27197), (355, 27254), (357, 27257),

Gene: Rabinovish_243 Start: 141502, Stop: 142932, Start Num: 54
Candidate Starts for Rabinovish_243:
(Start: 54 @141502 has 180 MA's), (89, 141655), (103, 141778), (109, 141802), (134, 141886), (144, 141928), (156, 141970), (183, 142135), (184, 142138), (228, 142393), (238, 142432), (244, 142462), (256, 142525), (260, 142546), (261, 142555), (263, 142558), (270, 142591), (278, 142606), (317, 142741), (334, 142816), (342, 142873), (343, 142876),

Gene: Radiance_30 Start: 26421, Stop: 27692, Start Num: 46
Candidate Starts for Radiance_30:
(Start: 46 @26421 has 160 MA's), (79, 26538), (91, 26610), (105, 26727), (107, 26730), (125, 26808), (142, 26889), (202, 26931), (218, 27009), (246, 27135), (264, 27240), (269, 27255), (281, 27297), (291, 27333), (292, 27336), (304, 27387), (306, 27396), (336, 27510), (341, 27552), (344, 27561), (355, 27618), (357, 27621),

Gene: Raela_54 Start: 30576, Stop: 31955, Start Num: 45
Candidate Starts for Raela_54:
(Start: 45 @30576 has 28 MA's), (Start: 61 @30633 has 3 MA's), (72, 30669), (76, 30693), (79, 30705), (94, 30828), (99, 30870), (112, 30942), (117, 30966), (119, 30972), (136, 31053), (154, 31122), (155, 31125), (164, 31161), (181, 31269), (183, 31287), (184, 31290), (200, 31407), (204, 31437), (231, 31569), (237, 31590), (244, 31623), (255, 31677), (256, 31683), (290, 31803), (296, 31833), (301, 31854), (313, 31884),

Gene: Rahel_252 Start: 143100, Stop: 144530, Start Num: 54
Candidate Starts for Rahel_252:
(Start: 54 @143100 has 180 MA's), (79, 143190), (89, 143253), (103, 143376), (109, 143400), (134, 143484), (144, 143526), (156, 143568), (183, 143733), (184, 143736), (228, 143991), (238, 144030), (244, 144060), (256, 144123), (260, 144144), (261, 144153), (263, 144156), (270, 144189), (278, 144204), (317, 144339), (334, 144414), (342, 144471), (343, 144474),

Gene: Ramsey_32 Start: 26518, Stop: 27765, Start Num: 46
Candidate Starts for Ramsey_32:
(Start: 46 @26518 has 160 MA's), (79, 26638), (91, 26710), (105, 26827), (107, 26830), (125, 26908), (142, 26989), (202, 27031), (218, 27109), (246, 27235), (247, 27241), (248, 27244), (269, 27355), (281, 27397), (292, 27436), (295, 27451), (304, 27487), (306, 27496), (336, 27610), (357, 27721),

Gene: RawrgerThat_44 Start: 40581, Stop: 42323, Start Num: 33
Candidate Starts for RawrgerThat_44:
(Start: 33 @40581 has 28 MA's), (51, 40656), (56, 40674), (63, 40695), (68, 40710), (83, 40782), (94, 40875), (103, 40947), (109, 40971), (127, 41058), (130, 41073), (174, 41256), (183, 41337), (192, 41418), (196, 41442), (197, 41445), (206, 41487), (230, 41598), (231, 41607), (234, 41616), (251, 41712), (256, 41751), (273, 41820), (286, 41844), (293, 41871), (298, 41901), (322, 41979), (325, 42003), (329, 42021), (330, 42024), (335, 42048), (340, 42093), (359, 42177),

Gene: RedRaider77_53 Start: 29965, Stop: 31344, Start Num: 45
Candidate Starts for RedRaider77_53:
(Start: 45 @29965 has 28 MA's), (Start: 61 @30022 has 3 MA's), (72, 30058), (76, 30082), (79, 30094), (94, 30217), (99, 30259), (112, 30331), (117, 30355), (119, 30361), (136, 30442), (154, 30511), (155,

30514), (164, 30550), (169, 30586), (181, 30658), (183, 30676), (184, 30679), (200, 30796), (204, 30826), (231, 30958), (237, 30979), (244, 31012), (255, 31066), (256, 31072), (290, 31192), (296, 31222), (301, 31243), (313, 31273),

Gene: Reindeer_35 Start: 30311, Stop: 31678, Start Num: 65
Candidate Starts for Reindeer_35:
(Start: 65 @30311 has 16 MA's), (69, 30320), (79, 30368), (83, 30395), (89, 30434), (108, 30572), (109, 30578), (110, 30581), (113, 30596), (116, 30614), (133, 30668), (135, 30674), (137, 30680), (138, 30683), (157, 30758), (177, 30860), (182, 30890), (186, 30917), (189, 30932), (194, 30977), (195, 30980), (201, 31007), (206, 31040), (212, 31076), (221, 31109), (233, 31163), (234, 31169), (240, 31199), (252, 31247), (255, 31271), (275, 31349), (309, 31463), (312, 31469), (317, 31490), (323, 31508), (325, 31523), (337, 31583), (343, 31619), (344, 31622), (350, 31658),

Gene: Renkei_42 Start: 39557, Stop: 41293, Start Num: 33
Candidate Starts for Renkei_42:
(Start: 33 @39557 has 28 MA's), (51, 39632), (56, 39650), (63, 39671), (68, 39686), (83, 39758), (94, 39851), (103, 39923), (109, 39947), (127, 40034), (130, 40049), (174, 40232), (183, 40313), (192, 40394), (196, 40418), (197, 40421), (206, 40463), (230, 40574), (231, 40583), (234, 40592), (251, 40688), (256, 40727), (273, 40796), (286, 40820), (293, 40847), (298, 40877), (322, 40955), (325, 40979), (329, 40997), (330, 41000), (335, 41024), (340, 41069), (359, 41153),

Gene: Rey_40 Start: 31173, Stop: 32588, Start Num: 42
Candidate Starts for Rey_40:
(Start: 42 @31173 has 6 MA's), (57, 31227), (60, 31233), (70, 31263), (79, 31299), (108, 31500), (118, 31530), (139, 31599), (143, 31614), (157, 31668), (161, 31686), (162, 31692), (182, 31803), (186, 31830), (189, 31845), (206, 31953), (216, 32004), (234, 32082), (275, 32259), (286, 32283), (287, 32286), (309, 32373), (312, 32379), (317, 32400), (325, 32433), (337, 32493), (348, 32556),

Gene: Rialto_34 Start: 28576, Stop: 29850, Start Num: 46
Candidate Starts for Rialto_34:
(Start: 46 @28576 has 160 MA's), (79, 28696), (91, 28768), (105, 28885), (107, 28888), (125, 28966), (142, 29047), (202, 29089), (218, 29167), (246, 29293), (247, 29299), (248, 29302), (253, 29338), (269, 29413), (281, 29455), (291, 29491), (292, 29494), (304, 29545), (306, 29554), (336, 29668), (341, 29710), (344, 29719), (355, 29776), (357, 29779),

Gene: Rita_31 Start: 26482, Stop: 27774, Start Num: 46
Candidate Starts for Rita_31:
(Start: 46 @26482 has 160 MA's), (79, 26602), (105, 26791), (107, 26794), (125, 26872), (142, 26953), (202, 26995), (218, 27073), (246, 27199), (247, 27205), (253, 27244), (264, 27304), (269, 27319), (281, 27361), (291, 27397), (292, 27400), (295, 27415), (304, 27451), (306, 27460), (336, 27574), (357, 27685),

Gene: RitaG_31 Start: 26686, Stop: 27960, Start Num: 46
Candidate Starts for RitaG_31:
(Start: 46 @26686 has 160 MA's), (79, 26806), (105, 26995), (107, 26998), (125, 27076), (142, 27157), (202, 27199), (218, 27277), (246, 27403), (247, 27409), (253, 27448), (264, 27508), (269, 27523), (279, 27559), (281, 27565), (291, 27601), (295, 27619), (304, 27655), (306, 27664), (336, 27778), (341, 27820), (355, 27886), (357, 27889),

Gene: Rizal_239 Start: 140915, Stop: 142345, Start Num: 54
Candidate Starts for Rizal_239:
(Start: 54 @140915 has 180 MA's), (79, 141005), (89, 141068), (103, 141191), (109, 141215), (134, 141299), (144, 141341), (156, 141383), (183, 141548), (184, 141551), (228, 141806), (238, 141845),

(244, 141875), (256, 141938), (260, 141959), (261, 141968), (263, 141971), (270, 142004), (278, 142019), (317, 142154), (334, 142229), (342, 142286), (343, 142289),

Gene: RoMag_245 Start: 142696, Stop: 144126, Start Num: 54
Candidate Starts for RoMag_245:
(Start: 54 @142696 has 180 MA's), (79, 142786), (80, 142789), (89, 142849), (103, 142972), (109, 142996), (134, 143080), (144, 143122), (156, 143164), (183, 143329), (184, 143332), (228, 143587), (238, 143626), (244, 143656), (256, 143719), (260, 143740), (261, 143749), (263, 143752), (270, 143785), (278, 143800), (317, 143935), (334, 144010), (342, 144067), (343, 144070),

Gene: Rocha_246 Start: 142261, Stop: 143691, Start Num: 54
Candidate Starts for Rocha_246:
(Start: 54 @142261 has 180 MA's), (79, 142351), (89, 142414), (103, 142537), (109, 142561), (134, 142645), (144, 142687), (156, 142729), (183, 142894), (184, 142897), (228, 143152), (238, 143191), (244, 143221), (256, 143284), (260, 143305), (261, 143314), (263, 143317), (270, 143350), (278, 143365), (317, 143500), (334, 143575), (343, 143635),

Gene: Rockne_30 Start: 26306, Stop: 27499, Start Num: 46
Candidate Starts for Rockne_30:
(Start: 46 @26306 has 160 MA's), (71, 26390), (96, 26540), (102, 26594), (131, 26735), (219, 26816), (246, 26942), (247, 26948), (269, 27062), (281, 27104), (291, 27140), (295, 27158), (304, 27194), (306, 27203), (336, 27317), (341, 27359), (344, 27368), (355, 27425), (357, 27428),

Gene: RockyHorror_31 Start: 26248, Stop: 27441, Start Num: 46
Candidate Starts for RockyHorror_31:
(Start: 46 @26248 has 160 MA's), (71, 26332), (96, 26482), (102, 26536), (131, 26677), (219, 26758), (246, 26884), (247, 26890), (253, 26929), (264, 26989), (269, 27004), (281, 27046), (291, 27082), (304, 27136), (306, 27145), (336, 27259), (341, 27301), (344, 27310), (355, 27367), (357, 27370),

Gene: Ronan_246 Start: 141077, Stop: 142507, Start Num: 54
Candidate Starts for Ronan_246:
(40, 141035), (Start: 54 @141077 has 180 MA's), (79, 141167), (89, 141230), (103, 141353), (109, 141377), (134, 141461), (144, 141503), (156, 141545), (183, 141710), (184, 141713), (228, 141968), (238, 142007), (244, 142037), (256, 142100), (260, 142121), (261, 142130), (263, 142133), (270, 142166), (278, 142181), (317, 142316), (334, 142391), (343, 142451),

Gene: Roots515_253 Start: 144241, Stop: 145671, Start Num: 54
Candidate Starts for Roots515_253:
(Start: 54 @144241 has 180 MA's), (79, 144331), (89, 144394), (103, 144517), (109, 144541), (134, 144625), (144, 144667), (156, 144709), (183, 144874), (184, 144877), (228, 145132), (238, 145171), (244, 145201), (256, 145264), (260, 145285), (261, 145294), (263, 145297), (270, 145330), (278, 145345), (317, 145480), (334, 145555), (342, 145612), (343, 145615),

Gene: RoseMarie_37 Start: 32244, Stop: 33611, Start Num: 65
Candidate Starts for RoseMarie_37:
(Start: 65 @32244 has 16 MA's), (79, 32301), (83, 32328), (89, 32367), (108, 32505), (110, 32514), (113, 32529), (116, 32547), (135, 32607), (137, 32613), (138, 32616), (157, 32691), (182, 32823), (186, 32850), (187, 32859), (195, 32913), (201, 32940), (206, 32973), (216, 33024), (233, 33096), (275, 33282), (312, 33402), (317, 33423), (323, 33441), (325, 33456), (332, 33486), (337, 33516), (343, 33552), (344, 33555), (350, 33591),

Gene: Royals2015_30 Start: 26424, Stop: 27614, Start Num: 46
Candidate Starts for Royals2015_30:

(14, 26151), (20, 26172), (Start: 46 @26424 has 160 MA's), (71, 26508), (96, 26658), (102, 26712), (124, 26805), (131, 26853), (219, 26931), (246, 27057), (247, 27063), (253, 27102), (264, 27162), (269, 27177), (281, 27219), (291, 27255), (292, 27258), (304, 27309), (306, 27318), (336, 27432), (341, 27474), (344, 27483), (355, 27540), (357, 27543),

Gene: Ruby_31 Start: 26444, Stop: 27691, Start Num: 46
Candidate Starts for Ruby_31:
(Start: 46 @26444 has 160 MA's), (79, 26564), (91, 26636), (105, 26753), (107, 26756), (125, 26834), (142, 26915), (202, 26957), (218, 27035), (246, 27161), (253, 27206), (264, 27266), (269, 27281), (281, 27323), (291, 27359), (304, 27413), (306, 27422), (336, 27536), (357, 27647),

Gene: SG4_30 Start: 26651, Stop: 27922, Start Num: 45
Candidate Starts for SG4_30:
(Start: 45 @26651 has 28 MA's), (79, 26768), (111, 26957), (112, 26960), (128, 27038), (148, 27119), (164, 27170), (170, 27209), (176, 27233), (184, 27296), (185, 27299), (196, 27404), (203, 27425), (213, 27488), (220, 27518), (231, 27575), (256, 27692), (262, 27725),

Gene: SVoro_245 Start: 142998, Stop: 144428, Start Num: 54
Candidate Starts for SVoro_245:
(Start: 54 @142998 has 180 MA's), (79, 143088), (89, 143151), (103, 143274), (109, 143298), (134, 143382), (144, 143424), (156, 143466), (183, 143631), (184, 143634), (228, 143889), (238, 143928), (244, 143958), (256, 144021), (260, 144042), (261, 144051), (263, 144054), (270, 144087), (278, 144102), (317, 144237), (334, 144312), (343, 144372),

Gene: Saal_30 Start: 26300, Stop: 27571, Start Num: 46
Candidate Starts for Saal_30:
(Start: 46 @26300 has 160 MA's), (79, 26417), (91, 26489), (105, 26606), (107, 26609), (125, 26687), (142, 26768), (202, 26810), (218, 26888), (246, 27014), (264, 27119), (269, 27134), (281, 27176), (291, 27212), (292, 27215), (304, 27266), (306, 27275), (336, 27389), (341, 27431), (344, 27440), (355, 27497), (357, 27500),

Gene: Sabbb_31 Start: 26645, Stop: 27916, Start Num: 46
Candidate Starts for Sabbb_31:
(Start: 46 @26645 has 160 MA's), (79, 26762), (91, 26834), (105, 26951), (107, 26954), (125, 27032), (142, 27113), (202, 27155), (218, 27233), (227, 27287), (246, 27359), (269, 27479), (281, 27521), (291, 27557), (304, 27611), (306, 27620), (336, 27734), (341, 27776), (344, 27785), (355, 27842), (357, 27845),

Gene: Saguaro_49 Start: 41855, Stop: 43441, Start Num: 44
Candidate Starts for Saguaro_49:
(24, 41702), (27, 41720), (28, 41723), (29, 41735), (31, 41759), (37, 41813), (Start: 44 @41855 has 4 MA's), (Start: 49 @41864 has 2 MA's), (76, 41969), (79, 41981), (93, 42083), (95, 42110), (100, 42155), (103, 42167), (115, 42221), (170, 42464), (174, 42479), (183, 42545), (193, 42632), (212, 42731), (230, 42794), (231, 42803), (254, 42929), (256, 42941), (273, 43013), (286, 43037), (293, 43064), (298, 43094), (300, 43100), (325, 43196), (329, 43214), (330, 43217), (347, 43313),

Gene: Salacia_252 Start: 144565, Stop: 145995, Start Num: 54
Candidate Starts for Salacia_252:
(Start: 54 @144565 has 180 MA's), (79, 144655), (89, 144718), (103, 144841), (109, 144865), (134, 144949), (144, 144991), (156, 145033), (183, 145198), (184, 145201), (228, 145456), (238, 145495), (244, 145525), (256, 145588), (260, 145609), (261, 145618), (263, 145621), (270, 145654), (278, 145669), (317, 145804), (334, 145879), (342, 145936), (343, 145939),

Gene: Sandalphon_31 Start: 27031, Stop: 28302, Start Num: 46
Candidate Starts for Sandalphon_31:
(Start: 46 @27031 has 160 MA's), (79, 27148), (91, 27220), (105, 27337), (107, 27340), (125, 27418), (142, 27499), (202, 27541), (218, 27619), (246, 27745), (247, 27751), (248, 27754), (269, 27865), (281, 27907), (292, 27946), (295, 27961), (304, 27997), (306, 28006), (336, 28120), (341, 28162), (355, 28228), (357, 28231),

Gene: Sarma624_26 Start: 22498, Stop: 23733, Start Num: 46
Candidate Starts for Sarma624_26:
(Start: 46 @22498 has 160 MA's), (79, 22618), (91, 22690), (105, 22807), (107, 22810), (125, 22888), (142, 22969), (202, 23011), (218, 23089), (246, 23215), (247, 23221), (253, 23260), (264, 23320), (269, 23335), (281, 23377), (291, 23413), (292, 23416), (304, 23467), (306, 23476), (336, 23590), (357, 23701), (361, 23722),

Gene: Sauce_247 Start: 142424, Stop: 143854, Start Num: 54
Candidate Starts for Sauce_247:
(Start: 54 @142424 has 180 MA's), (79, 142514), (89, 142577), (103, 142700), (109, 142724), (134, 142808), (144, 142850), (156, 142892), (183, 143057), (184, 143060), (228, 143315), (238, 143354), (244, 143384), (256, 143447), (260, 143468), (261, 143477), (263, 143480), (270, 143513), (278, 143528), (317, 143663), (334, 143738), (342, 143795), (343, 143798),

Gene: ScottMcG_242 Start: 141625, Stop: 143055, Start Num: 54
Candidate Starts for ScottMcG_242:
(Start: 54 @141625 has 180 MA's), (79, 141715), (89, 141778), (103, 141901), (109, 141925), (134, 142009), (144, 142051), (156, 142093), (183, 142258), (184, 142261), (228, 142516), (238, 142555), (244, 142585), (256, 142648), (260, 142669), (261, 142678), (263, 142681), (270, 142714), (278, 142729), (317, 142864), (334, 142939), (342, 142996), (343, 142999),

Gene: Scottish_31 Start: 27627, Stop: 28820, Start Num: 46
Candidate Starts for Scottish_31:
(Start: 46 @27627 has 160 MA's), (71, 27711), (96, 27861), (102, 27915), (131, 28056), (219, 28137), (246, 28263), (247, 28269), (248, 28272), (269, 28383), (281, 28425), (291, 28461), (304, 28515), (306, 28524), (336, 28638), (341, 28680), (344, 28689), (355, 28746), (357, 28749),

Gene: SeaLumen_33 Start: 26505, Stop: 27698, Start Num: 46
Candidate Starts for SeaLumen_33:
(14, 26232), (20, 26253), (Start: 46 @26505 has 160 MA's), (71, 26589), (96, 26739), (102, 26793), (131, 26934), (219, 27015), (246, 27141), (247, 27147), (253, 27186), (264, 27246), (269, 27261), (281, 27303), (291, 27339), (292, 27342), (295, 27357), (304, 27393), (306, 27402), (336, 27516), (341, 27558), (344, 27567), (355, 27624), (357, 27627),

Gene: Seabastian_30 Start: 26535, Stop: 27728, Start Num: 46
Candidate Starts for Seabastian_30:
(Start: 46 @26535 has 160 MA's), (71, 26619), (96, 26769), (102, 26823), (131, 26964), (219, 27045), (246, 27171), (264, 27276), (269, 27291), (281, 27333), (291, 27369), (292, 27372), (304, 27423), (306, 27432), (336, 27546), (341, 27588), (344, 27597), (355, 27654), (357, 27657),

Gene: Sebata_250 Start: 143284, Stop: 144714, Start Num: 54
Candidate Starts for Sebata_250:
(Start: 54 @143284 has 180 MA's), (79, 143374), (89, 143437), (103, 143560), (109, 143584), (134, 143668), (144, 143710), (156, 143752), (183, 143917), (184, 143920), (228, 144175), (238, 144214), (244, 144244), (256, 144307), (260, 144328), (261, 144337), (263, 144340), (270, 144373), (278, 144388), (317, 144523), (334, 144598), (343, 144658),

Gene: Shaqnato_241 Start: 141833, Stop: 143263, Start Num: 54
Candidate Starts for Shaqnato_241:
(Start: 54 @141833 has 180 MA's), (79, 141923), (89, 141986), (103, 142109), (109, 142133), (134, 142217), (144, 142259), (156, 142301), (183, 142466), (184, 142469), (228, 142724), (238, 142763), (244, 142793), (256, 142856), (260, 142877), (261, 142886), (263, 142889), (270, 142922), (278, 142937), (317, 143072), (334, 143147), (343, 143207),

Gene: Shauna1_27 Start: 25506, Stop: 26660, Start Num: 46
Candidate Starts for Shauna1_27:
(14, 25233), (19, 25254), (Start: 46 @25506 has 160 MA's), (71, 25590), (96, 25740), (102, 25794), (131, 25935), (219, 26016), (246, 26142), (247, 26148), (253, 26187), (264, 26247), (269, 26262), (281, 26304), (291, 26340), (292, 26343), (304, 26394), (306, 26403), (336, 26517), (357, 26628), (361, 26649),

Gene: Shelob_251 Start: 144559, Stop: 145989, Start Num: 54
Candidate Starts for Shelob_251:
(Start: 54 @144559 has 180 MA's), (79, 144649), (89, 144712), (103, 144835), (109, 144859), (134, 144943), (144, 144985), (156, 145027), (183, 145192), (184, 145195), (228, 145450), (238, 145489), (244, 145519), (256, 145582), (260, 145603), (261, 145612), (263, 145615), (270, 145648), (278, 145663), (317, 145798), (334, 145873), (342, 145930), (343, 145933),

Gene: ShiaLabeouf_248 Start: 142418, Stop: 143848, Start Num: 54
Candidate Starts for ShiaLabeouf_248:
(Start: 54 @142418 has 180 MA's), (79, 142508), (89, 142571), (103, 142694), (109, 142718), (134, 142802), (144, 142844), (156, 142886), (183, 143051), (184, 143054), (228, 143309), (238, 143348), (244, 143378), (256, 143441), (260, 143462), (261, 143471), (263, 143474), (270, 143507), (278, 143522), (317, 143657), (334, 143732), (342, 143789), (343, 143792),

Gene: Shifa_226 Start: 141892, Stop: 143322, Start Num: 54
Candidate Starts for Shifa_226:
(Start: 54 @141892 has 180 MA's), (79, 141982), (89, 142045), (103, 142168), (109, 142192), (134, 142276), (144, 142318), (156, 142360), (183, 142525), (184, 142528), (228, 142783), (238, 142822), (244, 142852), (256, 142915), (260, 142936), (261, 142945), (263, 142948), (270, 142981), (278, 142996), (317, 143131), (334, 143206), (343, 143266),

Gene: Shnickers_249 Start: 142482, Stop: 143912, Start Num: 54
Candidate Starts for Shnickers_249:
(Start: 54 @142482 has 180 MA's), (79, 142572), (89, 142635), (103, 142758), (109, 142782), (134, 142866), (144, 142908), (156, 142950), (183, 143115), (184, 143118), (228, 143373), (238, 143412), (244, 143442), (256, 143505), (260, 143526), (261, 143535), (263, 143538), (270, 143571), (278, 143586), (317, 143721), (334, 143796), (342, 143853), (343, 143856),

Gene: Shrimp_253 Start: 144176, Stop: 145606, Start Num: 54
Candidate Starts for Shrimp_253:
(Start: 54 @144176 has 180 MA's), (79, 144266), (89, 144329), (103, 144452), (109, 144476), (134, 144560), (144, 144602), (156, 144644), (183, 144809), (184, 144812), (228, 145067), (238, 145106), (244, 145136), (256, 145199), (260, 145220), (261, 145229), (263, 145232), (270, 145265), (278, 145280), (317, 145415), (334, 145490), (342, 145547), (343, 145550),

Gene: ShroomBoi_27 Start: 25443, Stop: 26597, Start Num: 46
Candidate Starts for ShroomBoi_27:

(Start: 46 @25443 has 160 MA's), (71, 25527), (96, 25677), (102, 25731), (131, 25872), (219, 25953), (246, 26079), (247, 26085), (253, 26124), (264, 26184), (269, 26199), (281, 26241), (291, 26277), (292, 26280), (304, 26331), (306, 26340), (336, 26454), (357, 26565), (361, 26586),

Gene: SilverDipper_255 Start: 143218, Stop: 144648, Start Num: 54
Candidate Starts for SilverDipper_255:
(Start: 54 @143218 has 180 MA's), (79, 143308), (89, 143371), (103, 143494), (109, 143518), (134, 143602), (144, 143644), (156, 143686), (183, 143851), (184, 143854), (228, 144109), (238, 144148), (244, 144178), (256, 144241), (260, 144262), (261, 144271), (263, 144274), (270, 144307), (278, 144322), (317, 144457), (334, 144532), (342, 144589), (343, 144592),

Gene: SimranZ1_33 Start: 26526, Stop: 27818, Start Num: 46
Candidate Starts for SimranZ1_33:
(Start: 46 @26526 has 160 MA's), (79, 26646), (91, 26718), (105, 26835), (107, 26838), (125, 26916), (142, 26997), (202, 27039), (236, 27216), (246, 27258), (248, 27267), (281, 27423), (336, 27636), (341, 27678), (344, 27687), (355, 27744), (357, 27747),

Gene: Skinny_36 Start: 30228, Stop: 31595, Start Num: 65
Candidate Starts for Skinny_36:
(Start: 65 @30228 has 16 MA's), (79, 30285), (83, 30312), (89, 30351), (108, 30489), (113, 30513), (135, 30591), (137, 30597), (138, 30600), (157, 30675), (182, 30807), (186, 30834), (187, 30843), (195, 30897), (201, 30924), (205, 30954), (216, 31008), (233, 31080), (275, 31266), (312, 31386), (317, 31407), (323, 31425), (325, 31440), (332, 31470), (337, 31500), (343, 31536), (344, 31539), (350, 31575),

Gene: Slim_32 Start: 27698, Stop: 28891, Start Num: 46
Candidate Starts for Slim_32:
(Start: 46 @27698 has 160 MA's), (71, 27782), (96, 27932), (102, 27986), (131, 28127), (219, 28208), (246, 28334), (247, 28340), (248, 28343), (253, 28379), (269, 28454), (281, 28496), (291, 28532), (306, 28595), (336, 28709), (341, 28751), (344, 28760), (355, 28817), (357, 28820),

Gene: SlimJimmy_34 Start: 29782, Stop: 31149, Start Num: 65
Candidate Starts for SlimJimmy_34:
(Start: 65 @29782 has 16 MA's), (79, 29839), (83, 29866), (86, 29881), (88, 29902), (89, 29905), (108, 30043), (113, 30067), (135, 30145), (137, 30151), (138, 30154), (157, 30229), (182, 30361), (186, 30388), (187, 30397), (195, 30451), (201, 30478), (205, 30508), (216, 30562), (233, 30634), (275, 30820), (312, 30940), (317, 30961), (323, 30979), (325, 30994), (332, 31024), (337, 31054), (343, 31090), (344, 31093), (350, 31129),

Gene: SmallFry_251 Start: 142576, Stop: 144006, Start Num: 54
Candidate Starts for SmallFry_251:
(Start: 54 @142576 has 180 MA's), (79, 142666), (89, 142729), (103, 142852), (109, 142876), (134, 142960), (144, 143002), (156, 143044), (183, 143209), (184, 143212), (228, 143467), (238, 143506), (244, 143536), (256, 143599), (260, 143620), (261, 143629), (263, 143632), (270, 143665), (278, 143680), (317, 143815), (334, 143890), (342, 143947), (343, 143950),

Gene: Soul22_34 Start: 25851, Stop: 27032, Start Num: 46
Candidate Starts for Soul22_34:
(Start: 46 @25851 has 160 MA's), (71, 25935), (96, 26085), (102, 26139), (131, 26280), (236, 26457), (246, 26499), (248, 26508), (281, 26664), (336, 26877), (357, 26988),

Gene: Sparkdehlily_30 Start: 26346, Stop: 27617, Start Num: 46
Candidate Starts for Sparkdehlily_30:

(Start: 46 @26346 has 160 MA's), (79, 26463), (91, 26535), (105, 26652), (107, 26655), (125, 26733), (142, 26814), (202, 26856), (218, 26934), (246, 27060), (264, 27165), (269, 27180), (281, 27222), (291, 27258), (292, 27261), (304, 27312), (306, 27321), (336, 27435), (341, 27477), (344, 27486), (355, 27543), (357, 27546),

Gene: Spartacus_32 Start: 26738, Stop: 28030, Start Num: 46
Candidate Starts for Spartacus_32:
(Start: 46 @26738 has 160 MA's), (79, 26858), (105, 27047), (107, 27050), (125, 27128), (142, 27209), (202, 27251), (218, 27329), (246, 27455), (247, 27461), (253, 27500), (264, 27560), (269, 27575), (279, 27611), (281, 27617), (291, 27653), (295, 27671), (304, 27707), (306, 27716), (336, 27830), (357, 27941),

Gene: Spec_244 Start: 142588, Stop: 144018, Start Num: 54
Candidate Starts for Spec_244:
(Start: 54 @142588 has 180 MA's), (79, 142678), (89, 142741), (103, 142864), (109, 142888), (134, 142972), (144, 143014), (156, 143056), (183, 143221), (184, 143224), (228, 143479), (238, 143518), (244, 143548), (256, 143611), (260, 143632), (261, 143641), (263, 143644), (270, 143677), (278, 143692), (317, 143827), (334, 143902), (342, 143959), (343, 143962),

Gene: Specks_255 Start: 143516, Stop: 144946, Start Num: 54
Candidate Starts for Specks_255:
(Start: 54 @143516 has 180 MA's), (79, 143606), (89, 143669), (103, 143792), (109, 143816), (134, 143900), (144, 143942), (156, 143984), (183, 144149), (184, 144152), (228, 144407), (238, 144446), (244, 144476), (256, 144539), (260, 144560), (261, 144569), (263, 144572), (270, 144605), (278, 144620), (317, 144755), (334, 144830), (342, 144887), (343, 144890),

Gene: Spikelee_32 Start: 26496, Stop: 27770, Start Num: 46
Candidate Starts for Spikelee_32:
(Start: 46 @26496 has 160 MA's), (79, 26616), (91, 26688), (105, 26805), (107, 26808), (125, 26886), (142, 26967), (202, 27009), (218, 27087), (246, 27213), (247, 27219), (248, 27222), (253, 27258), (257, 27288), (264, 27318), (269, 27333), (281, 27375), (291, 27411), (292, 27414), (304, 27465), (306, 27474), (336, 27588), (341, 27630), (344, 27639), (355, 27696), (357, 27699),

Gene: Spoonbill_30 Start: 26510, Stop: 27781, Start Num: 46
Candidate Starts for Spoonbill_30:
(Start: 46 @26510 has 160 MA's), (79, 26627), (91, 26699), (105, 26816), (107, 26819), (125, 26897), (142, 26978), (202, 27020), (218, 27098), (246, 27224), (264, 27329), (269, 27344), (281, 27386), (291, 27422), (292, 27425), (304, 27476), (306, 27485), (336, 27599), (341, 27641), (344, 27650), (355, 27707), (357, 27710),

Gene: Sprinklers_248 Start: 142284, Stop: 143714, Start Num: 54
Candidate Starts for Sprinklers_248:
(Start: 54 @142284 has 180 MA's), (79, 142374), (89, 142437), (103, 142560), (109, 142584), (134, 142668), (144, 142710), (156, 142752), (183, 142917), (184, 142920), (228, 143175), (238, 143214), (244, 143244), (256, 143307), (260, 143328), (261, 143337), (263, 143340), (270, 143373), (278, 143388), (317, 143523), (334, 143598), (342, 143655), (343, 143658),

Gene: Spud_242 Start: 142033, Stop: 143463, Start Num: 54
Candidate Starts for Spud_242:
(Start: 54 @142033 has 180 MA's), (79, 142123), (89, 142186), (103, 142309), (109, 142333), (134, 142417), (144, 142459), (156, 142501), (183, 142666), (184, 142669), (228, 142924), (238, 142963), (244, 142993), (256, 143056), (260, 143077), (261, 143086), (263, 143089), (270, 143122), (278, 143137), (317, 143272), (334, 143347), (342, 143404), (343, 143407),

Gene: SrishMeg2525_248 Start: 143671, Stop: 145101, Start Num: 54
Candidate Starts for SrishMeg2525_248:
(Start: 54 @143671 has 180 MA's), (79, 143761), (89, 143824), (103, 143947), (109, 143971), (134, 144055), (144, 144097), (156, 144139), (183, 144304), (184, 144307), (228, 144562), (238, 144601), (244, 144631), (256, 144694), (260, 144715), (261, 144724), (263, 144727), (270, 144760), (278, 144775), (317, 144910), (334, 144985), (342, 145042), (343, 145045),

Gene: StAnnes_28 Start: 26065, Stop: 27231, Start Num: 46
Candidate Starts for StAnnes_28:
(7, 25657), (18, 25801), (Start: 46 @26065 has 160 MA's), (71, 26149), (96, 26299), (102, 26353), (131, 26494), (219, 26575), (246, 26701), (247, 26707), (253, 26746), (264, 26806), (269, 26821), (281, 26863), (291, 26899), (292, 26902), (304, 26953), (306, 26962), (336, 27076), (357, 27187),

Gene: StAugustine_53 Start: 44382, Stop: 45980, Start Num: 33
Candidate Starts for StAugustine_53:
(Start: 33 @44382 has 28 MA's), (41, 44430), (68, 44499), (93, 44601), (97, 44640), (100, 44679), (103, 44691), (126, 44793), (142, 44868), (161, 44946), (183, 45102), (192, 45183), (196, 45207), (197, 45210), (199, 45213), (231, 45372), (233, 45375), (234, 45381), (256, 45516), (265, 45555), (273, 45591), (286, 45615), (327, 45789), (335, 45822), (358, 45936), (365, 45969),

Gene: Starcevich_33 Start: 26624, Stop: 28400, Start Num: 46
Candidate Starts for Starcevich_33:
(Start: 46 @26624 has 160 MA's), (71, 26708), (102, 26912), (131, 27053), (140, 27086), (149, 27134), (159, 27233), (198, 27626), (229, 27779), (249, 27857), (258, 27920), (268, 27959), (310, 28112), (319, 28148),

Gene: StephanieG_244 Start: 143219, Stop: 144649, Start Num: 54
Candidate Starts for StephanieG_244:
(Start: 54 @143219 has 180 MA's), (79, 143309), (80, 143312), (89, 143372), (103, 143495), (109, 143519), (134, 143603), (144, 143645), (156, 143687), (183, 143852), (184, 143855), (228, 144110), (238, 144149), (244, 144179), (256, 144242), (260, 144263), (261, 144272), (263, 144275), (270, 144308), (278, 144323), (317, 144458), (334, 144533), (342, 144590), (343, 144593),

Gene: Stinger_42 Start: 39109, Stop: 40842, Start Num: 33
Candidate Starts for Stinger_42:
(23, 39013), (Start: 33 @39109 has 28 MA's), (50, 39178), (56, 39202), (63, 39223), (64, 39226), (68, 39238), (83, 39310), (94, 39403), (103, 39475), (109, 39499), (130, 39601), (175, 39790), (183, 39865), (192, 39946), (196, 39970), (197, 39973), (206, 40015), (230, 40126), (231, 40135), (256, 40279), (273, 40345), (286, 40369), (293, 40396), (298, 40426), (320, 40501), (329, 40546), (335, 40573), (345, 40636),

Gene: Strokeseat_30 Start: 26586, Stop: 27752, Start Num: 46
Candidate Starts for Strokeseat_30:
(14, 26313), (16, 26316), (Start: 46 @26586 has 160 MA's), (71, 26670), (96, 26820), (102, 26874), (131, 27015), (219, 27096), (246, 27222), (247, 27228), (253, 27267), (269, 27342), (281, 27384), (291, 27420), (295, 27438), (304, 27474), (306, 27483), (336, 27597),

Gene: Stubby_233 Start: 140004, Stop: 141434, Start Num: 54
Candidate Starts for Stubby_233:
(40, 139962), (Start: 54 @140004 has 180 MA's), (79, 140094), (89, 140157), (103, 140280), (109, 140304), (134, 140388), (144, 140430), (156, 140472), (183, 140637), (184, 140640), (228, 140895), (238, 140934), (244, 140964), (256, 141027), (260, 141048), (261, 141057), (263, 141060), (270,

141093), (278, 141108), (317, 141243), (334, 141318), (343, 141378),

Gene: StubbySaigey_257 Start: 143201, Stop: 144631, Start Num: 54
Candidate Starts for StubbySaigey_257:
(Start: 54 @143201 has 180 MA's), (79, 143291), (89, 143354), (103, 143477), (109, 143501), (134, 143585), (144, 143627), (156, 143669), (183, 143834), (184, 143837), (228, 144092), (238, 144131), (244, 144161), (256, 144224), (260, 144245), (261, 144254), (263, 144257), (270, 144290), (278, 144305), (317, 144440), (334, 144515), (342, 144572), (343, 144575),

Gene: Substance289_246 Start: 142624, Stop: 144054, Start Num: 54
Candidate Starts for Substance289_246:
(Start: 54 @142624 has 180 MA's), (79, 142714), (89, 142777), (103, 142900), (109, 142924), (134, 143008), (144, 143050), (156, 143092), (183, 143257), (184, 143260), (228, 143515), (238, 143554), (244, 143584), (256, 143647), (260, 143668), (261, 143677), (263, 143680), (270, 143713), (278, 143728), (317, 143863), (334, 143938), (342, 143995), (343, 143998),

Gene: SuperGrey_31 Start: 27204, Stop: 28496, Start Num: 46
Candidate Starts for SuperGrey_31:
(Start: 46 @27204 has 160 MA's), (79, 27324), (105, 27513), (107, 27516), (125, 27594), (142, 27675), (202, 27717), (218, 27795), (246, 27921), (247, 27927), (253, 27966), (264, 28026), (269, 28041), (281, 28083), (291, 28119), (292, 28122), (295, 28137), (304, 28173), (306, 28182), (336, 28296), (357, 28407),

Gene: SuperSonics_40 Start: 33575, Stop: 34966, Start Num: 61
Candidate Starts for SuperSonics_40:
(Start: 61 @33575 has 3 MA's), (73, 33614), (81, 33650), (89, 33710), (92, 33740), (108, 33857), (113, 33881), (144, 33998), (156, 34043), (168, 34118), (171, 34127), (185, 34214), (194, 34286), (208, 34373), (214, 34391), (232, 34463), (235, 34475), (250, 34529), (252, 34541), (255, 34565), (275, 34643), (289, 34676), (293, 34691), (312, 34760), (323, 34799), (330, 34838), (335, 34859), (353, 34958),

Gene: TDanisky_30 Start: 26346, Stop: 27617, Start Num: 46
Candidate Starts for TDanisky_30:
(Start: 46 @26346 has 160 MA's), (79, 26463), (91, 26535), (105, 26652), (107, 26655), (125, 26733), (142, 26814), (202, 26856), (218, 26934), (246, 27060), (264, 27165), (269, 27180), (281, 27222), (291, 27258), (292, 27261), (304, 27312), (306, 27321), (336, 27435), (341, 27477), (344, 27486), (355, 27543), (357, 27546),

Gene: TM4_29 Start: 23341, Stop: 24984, Start Num: 43
Candidate Starts for TM4_29:
(Start: 43 @23341 has 4 MA's), (58, 23392), (59, 23395), (70, 23431), (79, 23467), (106, 23668), (114, 23698), (151, 23836), (166, 23908), (169, 23923), (180, 23989), (182, 23998), (183, 24007), (184, 24010), (196, 24112), (233, 24283), (240, 24319), (244, 24334), (256, 24397), (271, 24466), (286, 24499), (346, 24754), (368, 24886), (369, 24889), (371, 24952),

Gene: Tainan_250 Start: 142139, Stop: 143569, Start Num: 54
Candidate Starts for Tainan_250:
(Start: 54 @142139 has 180 MA's), (79, 142229), (80, 142232), (89, 142292), (103, 142415), (109, 142439), (134, 142523), (144, 142565), (156, 142607), (183, 142772), (184, 142775), (228, 143030), (238, 143069), (244, 143099), (256, 143162), (260, 143183), (261, 143192), (263, 143195), (270, 143228), (278, 143243), (317, 143378), (334, 143453), (342, 143510), (343, 143513),

Gene: Taj_30 Start: 26531, Stop: 27685, Start Num: 46

Candidate Starts for Taj_30:
(14, 26258), (19, 26279), (Start: 46 @26531 has 160 MA's), (71, 26615), (96, 26765), (102, 26819), (131, 26960), (219, 27041), (246, 27167), (247, 27173), (253, 27212), (264, 27272), (269, 27287), (281, 27329), (291, 27365), (292, 27368), (304, 27419), (306, 27428), (336, 27542), (357, 27653), (361, 27674),

Gene: Tchotchke_30 Start: 25845, Stop: 27119, Start Num: 46
Candidate Starts for Tchotchke_30:
(Start: 46 @25845 has 160 MA's), (79, 25965), (105, 26154), (107, 26157), (125, 26235), (142, 26316), (202, 26358), (218, 26436), (246, 26562), (247, 26568), (248, 26571), (253, 26607), (269, 26682), (281, 26724), (291, 26760), (295, 26778), (304, 26814), (306, 26823), (336, 26937), (341, 26979), (344, 26988), (355, 27045), (357, 27048),

Gene: Teardrop_249 Start: 142528, Stop: 143958, Start Num: 54
Candidate Starts for Teardrop_249:
(Start: 54 @142528 has 180 MA's), (79, 142618), (89, 142681), (103, 142804), (109, 142828), (134, 142912), (144, 142954), (156, 142996), (183, 143161), (184, 143164), (228, 143419), (238, 143458), (244, 143488), (256, 143551), (260, 143572), (261, 143581), (263, 143584), (270, 143617), (278, 143632), (317, 143767), (334, 143842), (342, 143899), (343, 143902),

Gene: Tesla_52 Start: 29814, Stop: 31193, Start Num: 45
Candidate Starts for Tesla_52:
(Start: 45 @29814 has 28 MA's), (Start: 61 @29871 has 3 MA's), (72, 29907), (76, 29931), (79, 29943), (94, 30066), (99, 30108), (112, 30180), (117, 30204), (119, 30210), (136, 30291), (154, 30360), (155, 30363), (164, 30399), (169, 30435), (181, 30507), (183, 30525), (184, 30528), (200, 30645), (204, 30675), (231, 30807), (237, 30828), (244, 30861), (255, 30915), (256, 30921), (290, 31041), (296, 31071), (301, 31092), (313, 31122),

Gene: ThetaBob_29 Start: 25694, Stop: 27004, Start Num: 46
Candidate Starts for ThetaBob_29:
(Start: 46 @25694 has 160 MA's), (79, 25811), (91, 25883), (105, 26000), (107, 26003), (125, 26081), (142, 26162), (202, 26213), (236, 26390), (246, 26432), (248, 26441), (281, 26597), (336, 26819), (341, 26861), (344, 26870), (352, 26912), (355, 26927), (357, 26930), (358, 26936), (366, 26984),

Gene: Thonko_46 Start: 38334, Stop: 39899, Start Num: 44
Candidate Starts for Thonko_46:
(Start: 44 @38334 has 4 MA's), (Start: 49 @38343 has 2 MA's), (69, 38418), (76, 38454), (79, 38466), (97, 38607), (100, 38646), (103, 38658), (104, 38664), (126, 38760), (147, 38865), (166, 38952), (169, 38967), (178, 39015), (183, 39051), (207, 39213), (230, 39300), (231, 39309), (256, 39453), (273, 39519), (283, 39534), (286, 39543), (293, 39570), (318, 39672), (325, 39702), (329, 39720), (356, 39846),

Gene: TinyTim_249 Start: 142495, Stop: 143925, Start Num: 54
Candidate Starts for TinyTim_249:
(Start: 54 @142495 has 180 MA's), (79, 142585), (89, 142648), (103, 142771), (109, 142795), (134, 142879), (144, 142921), (156, 142963), (183, 143128), (184, 143131), (228, 143386), (238, 143425), (244, 143455), (256, 143518), (260, 143539), (261, 143548), (263, 143551), (270, 143584), (278, 143599), (317, 143734), (334, 143809), (342, 143866), (343, 143869),

Gene: Tonenili_272 Start: 147835, Stop: 149253, Start Num: 54
Candidate Starts for Tonenili_272:
(Start: 54 @147835 has 180 MA's), (89, 147988), (98, 148060), (100, 148099), (103, 148111), (109, 148135), (134, 148246), (144, 148288), (201, 148585), (209, 148642), (225, 148702), (255, 148831),

(259, 148855), (274, 148918), (278, 148927), (317, 149062), (333, 149131), (334, 149137), (343, 149197),

Gene: Tortoise16_248 Start: 142508, Stop: 143938, Start Num: 54
Candidate Starts for Tortoise16_248:
(Start: 54 @142508 has 180 MA's), (79, 142598), (89, 142661), (103, 142784), (109, 142808), (134, 142892), (144, 142934), (156, 142976), (183, 143141), (184, 143144), (228, 143399), (238, 143438), (244, 143468), (256, 143531), (260, 143552), (261, 143561), (263, 143564), (270, 143597), (278, 143612), (317, 143747), (334, 143822), (342, 143879), (343, 143882),

Gene: Totinger_31 Start: 26230, Stop: 27501, Start Num: 46
Candidate Starts for Totinger_31:
(Start: 46 @26230 has 160 MA's), (79, 26347), (91, 26419), (105, 26536), (107, 26539), (125, 26617), (142, 26698), (202, 26740), (218, 26818), (246, 26944), (264, 27049), (269, 27064), (281, 27106), (291, 27142), (292, 27145), (304, 27196), (306, 27205), (336, 27319), (341, 27361), (344, 27370), (355, 27427), (357, 27430),

Gene: TpudiCK_36 Start: 29798, Stop: 31165, Start Num: 65
Candidate Starts for TpudiCK_36:
(Start: 65 @29798 has 16 MA's), (79, 29855), (83, 29882), (89, 29921), (108, 30059), (113, 30083), (135, 30161), (137, 30167), (138, 30170), (157, 30245), (182, 30377), (186, 30404), (187, 30413), (195, 30467), (201, 30494), (205, 30524), (216, 30578), (233, 30650), (275, 30836), (312, 30956), (317, 30977), (323, 30995), (325, 31010), (332, 31040), (337, 31070), (343, 31106), (344, 31109), (350, 31145),

Gene: Trinitium_247 Start: 141249, Stop: 142679, Start Num: 54
Candidate Starts for Trinitium_247:
(Start: 54 @141249 has 180 MA's), (79, 141339), (89, 141402), (103, 141525), (109, 141549), (134, 141633), (144, 141675), (156, 141717), (183, 141882), (184, 141885), (228, 142140), (238, 142179), (244, 142209), (256, 142272), (260, 142293), (261, 142302), (263, 142305), (270, 142338), (278, 142353), (317, 142488), (334, 142563), (342, 142620), (343, 142623),

Gene: Turret_241 Start: 140382, Stop: 141812, Start Num: 54
Candidate Starts for Turret_241:
(Start: 54 @140382 has 180 MA's), (79, 140472), (89, 140535), (103, 140658), (109, 140682), (134, 140766), (144, 140808), (156, 140850), (183, 141015), (184, 141018), (228, 141273), (238, 141312), (244, 141342), (256, 141405), (260, 141426), (261, 141435), (263, 141438), (270, 141471), (278, 141486), (317, 141621), (334, 141696), (342, 141753), (343, 141756),

Gene: Tweety_30 Start: 26532, Stop: 27743, Start Num: 46
Candidate Starts for Tweety_30:
(14, 26259), (19, 26280), (Start: 46 @26532 has 160 MA's), (71, 26616), (96, 26766), (102, 26820), (131, 26961), (219, 27042), (246, 27168), (247, 27174), (248, 27177), (269, 27288), (281, 27330), (291, 27366), (304, 27420), (306, 27429), (336, 27543), (357, 27654),

Gene: TyDawg_35 Start: 29799, Stop: 31166, Start Num: 65
Candidate Starts for TyDawg_35:
(Start: 65 @29799 has 16 MA's), (79, 29856), (83, 29883), (89, 29922), (108, 30060), (113, 30084), (135, 30162), (137, 30168), (138, 30171), (157, 30246), (182, 30378), (186, 30405), (187, 30414), (195, 30468), (201, 30495), (205, 30525), (216, 30579), (233, 30651), (275, 30837), (312, 30957), (317, 30978), (323, 30996), (325, 31011), (332, 31041), (337, 31071), (343, 31107), (344, 31110), (350, 31146),

Gene: Tyke_247 Start: 144631, Stop: 146061, Start Num: 54
Candidate Starts for Tyke_247:
(Start: 54 @144631 has 180 MA's), (79, 144721), (89, 144784), (103, 144907), (109, 144931), (134, 145015), (144, 145057), (156, 145099), (183, 145264), (184, 145267), (228, 145522), (238, 145561), (244, 145591), (256, 145654), (260, 145675), (261, 145684), (263, 145687), (270, 145720), (278, 145735), (317, 145870), (334, 145945), (342, 146002), (343, 146005),

Gene: UncleRicky_33 Start: 27639, Stop: 28832, Start Num: 46
Candidate Starts for UncleRicky_33:
(Start: 46 @27639 has 160 MA's), (71, 27723), (96, 27873), (102, 27927), (131, 28068), (219, 28149), (246, 28275), (247, 28281), (269, 28395), (281, 28437), (291, 28473), (295, 28491), (304, 28527), (306, 28536), (336, 28650), (341, 28692), (344, 28701), (355, 28758), (357, 28761),

Gene: ValleyTerrace_251 Start: 141959, Stop: 143389, Start Num: 54
Candidate Starts for ValleyTerrace_251:
(Start: 54 @141959 has 180 MA's), (79, 142049), (89, 142112), (103, 142235), (109, 142259), (134, 142343), (144, 142385), (156, 142427), (183, 142592), (184, 142595), (228, 142850), (238, 142889), (244, 142919), (256, 142982), (260, 143003), (261, 143012), (263, 143015), (270, 143048), (278, 143063), (317, 143198), (334, 143273), (342, 143330), (343, 143333),

Gene: VasuNzinga_54 Start: 29883, Stop: 31262, Start Num: 45
Candidate Starts for VasuNzinga_54:
(Start: 45 @29883 has 28 MA's), (Start: 61 @29940 has 3 MA's), (72, 29976), (76, 30000), (79, 30012), (94, 30135), (99, 30177), (112, 30249), (117, 30273), (119, 30279), (136, 30360), (154, 30429), (155, 30432), (164, 30468), (169, 30504), (181, 30576), (183, 30594), (184, 30597), (200, 30714), (204, 30744), (231, 30876), (237, 30897), (244, 30930), (255, 30984), (256, 30990), (290, 31110), (296, 31140), (301, 31161), (313, 31191),

Gene: Velveteen_26 Start: 22498, Stop: 23733, Start Num: 46
Candidate Starts for Velveteen_26:
(Start: 46 @22498 has 160 MA's), (79, 22618), (91, 22690), (105, 22807), (107, 22810), (125, 22888), (142, 22969), (202, 23011), (218, 23089), (246, 23215), (247, 23221), (253, 23260), (264, 23320), (269, 23335), (281, 23377), (291, 23413), (292, 23416), (304, 23467), (306, 23476), (336, 23590), (357, 23701), (361, 23722),

Gene: Veteran_30 Start: 26344, Stop: 27537, Start Num: 46
Candidate Starts for Veteran_30:
(Start: 46 @26344 has 160 MA's), (71, 26428), (96, 26578), (102, 26632), (131, 26773), (219, 26854), (246, 26980), (247, 26986), (248, 26989), (253, 27025), (269, 27100), (281, 27142), (291, 27178), (306, 27241), (336, 27355), (341, 27397), (344, 27406), (355, 27463), (357, 27466),

Gene: Vincenzo_44 Start: 41174, Stop: 42871, Start Num: 33
Candidate Starts for Vincenzo_44:
(Start: 33 @41174 has 28 MA's), (50, 41243), (51, 41249), (56, 41267), (63, 41288), (68, 41303), (83, 41375), (94, 41468), (103, 41540), (109, 41564), (130, 41666), (183, 41927), (192, 42008), (196, 42032), (197, 42035), (230, 42188), (231, 42197), (234, 42206), (239, 42230), (256, 42341), (273, 42410), (286, 42434), (287, 42437), (293, 42461), (298, 42491), (320, 42566), (325, 42593), (329, 42611), (335, 42638), (358, 42764),

Gene: Violac_31 Start: 27032, Stop: 28225, Start Num: 46
Candidate Starts for Violac_31:
(14, 26759), (20, 26780), (Start: 46 @27032 has 160 MA's), (71, 27116), (96, 27266), (102, 27320), (131, 27461), (219, 27542), (246, 27668), (247, 27674), (248, 27677), (253, 27713), (257, 27743),

(269, 27788), (281, 27830), (292, 27869), (295, 27884), (304, 27920), (306, 27929), (336, 28043), (341, 28085), (344, 28094), (355, 28151), (357, 28154),

Gene: VioletZ_45 Start: 40652, Stop: 42388, Start Num: 33
Candidate Starts for VioletZ_45:
(Start: 33 @40652 has 28 MA's), (51, 40727), (56, 40745), (63, 40766), (68, 40781), (83, 40853), (94, 40946), (103, 41018), (109, 41042), (127, 41129), (130, 41144), (175, 41333), (183, 41408), (192, 41489), (196, 41513), (197, 41516), (230, 41669), (231, 41678), (234, 41687), (251, 41783), (256, 41822), (273, 41891), (286, 41915), (293, 41942), (298, 41972), (322, 42050), (325, 42074), (329, 42092), (330, 42095), (340, 42164), (359, 42248),

Gene: Vortrix_268 Start: 146622, Stop: 148040, Start Num: 54
Candidate Starts for Vortrix_268:
(Start: 54 @146622 has 180 MA's), (89, 146775), (98, 146847), (103, 146898), (109, 146922), (134, 147033), (144, 147075), (201, 147372), (209, 147429), (225, 147489), (255, 147618), (259, 147642), (274, 147705), (278, 147714), (317, 147849), (333, 147918), (334, 147924), (343, 147984),

Gene: Waleliano_43 Start: 40576, Stop: 42312, Start Num: 33
Candidate Starts for Waleliano_43:
(Start: 33 @40576 has 28 MA's), (51, 40651), (56, 40669), (63, 40690), (68, 40705), (83, 40777), (94, 40870), (103, 40942), (109, 40966), (127, 41053), (130, 41068), (174, 41251), (183, 41332), (192, 41413), (196, 41437), (197, 41440), (206, 41482), (230, 41593), (231, 41602), (234, 41611), (251, 41707), (256, 41746), (273, 41815), (286, 41839), (293, 41866), (298, 41896), (320, 41971), (322, 41974), (325, 41998), (326, 42004), (329, 42016), (330, 42019), (335, 42043), (340, 42088), (359, 42172),

Gene: Wally_248 Start: 141943, Stop: 143373, Start Num: 54
Candidate Starts for Wally_248:
(Start: 54 @141943 has 180 MA's), (79, 142033), (89, 142096), (103, 142219), (109, 142243), (134, 142327), (144, 142369), (156, 142411), (183, 142576), (184, 142579), (228, 142834), (238, 142873), (244, 142903), (256, 142966), (260, 142987), (261, 142996), (263, 142999), (270, 143032), (278, 143047), (317, 143182), (334, 143257), (342, 143314), (343, 143317),

Gene: Wee_31 Start: 27069, Stop: 28223, Start Num: 46
Candidate Starts for Wee_31:
(14, 26796), (19, 26817), (Start: 46 @27069 has 160 MA's), (71, 27153), (96, 27303), (102, 27357), (131, 27498), (219, 27579), (246, 27705), (247, 27711), (253, 27750), (264, 27810), (269, 27825), (281, 27867), (291, 27903), (292, 27906), (304, 27957), (306, 27966), (336, 28080), (357, 28191), (361, 28212),

Gene: Whouxphf_31 Start: 26736, Stop: 28010, Start Num: 46
Candidate Starts for Whouxphf_31:
(Start: 46 @26736 has 160 MA's), (79, 26856), (91, 26928), (105, 27045), (107, 27048), (125, 27126), (142, 27207), (202, 27249), (218, 27327), (246, 27453), (247, 27459), (253, 27498), (269, 27573), (281, 27615), (292, 27654), (295, 27669), (304, 27705), (306, 27714), (336, 27828), (341, 27870), (344, 27879), (355, 27936), (357, 27939),

Gene: WillSterrel_32 Start: 27871, Stop: 29145, Start Num: 46
Candidate Starts for WillSterrel_32:
(Start: 46 @27871 has 160 MA's), (79, 27991), (105, 28180), (107, 28183), (125, 28261), (142, 28342), (202, 28384), (218, 28462), (246, 28588), (247, 28594), (264, 28693), (269, 28708), (281, 28750), (291, 28786), (295, 28804), (304, 28840), (306, 28849), (336, 28963), (341, 29005), (344, 29014), (355, 29071), (357, 29074),

Gene: Willis_251 Start: 142882, Stop: 144312, Start Num: 54
Candidate Starts for Willis_251:
(Start: 54 @142882 has 180 MA's), (79, 142972), (89, 143035), (103, 143158), (109, 143182), (134, 143266), (144, 143308), (156, 143350), (183, 143515), (184, 143518), (228, 143773), (238, 143812), (244, 143842), (256, 143905), (260, 143926), (261, 143935), (263, 143938), (270, 143971), (278, 143986), (317, 144121), (334, 144196), (342, 144253), (343, 144256),

Gene: Xincheng_42 Start: 40012, Stop: 41748, Start Num: 33
Candidate Starts for Xincheng_42:
(Start: 33 @40012 has 28 MA's), (39, 40057), (51, 40087), (56, 40105), (63, 40126), (68, 40141), (83, 40213), (94, 40306), (103, 40378), (109, 40402), (127, 40489), (130, 40504), (163, 40624), (174, 40687), (175, 40693), (183, 40768), (192, 40849), (196, 40873), (197, 40876), (230, 41029), (231, 41038), (234, 41047), (256, 41182), (273, 41251), (285, 41269), (293, 41302), (298, 41332), (322, 41410), (325, 41434), (329, 41452), (335, 41479), (340, 41524), (351, 41578), (359, 41608),

Gene: Yassified_246 Start: 142078, Stop: 143508, Start Num: 54
Candidate Starts for Yassified_246:
(40, 142036), (Start: 54 @142078 has 180 MA's), (79, 142168), (89, 142231), (103, 142354), (109, 142378), (134, 142462), (144, 142504), (156, 142546), (183, 142711), (184, 142714), (228, 142969), (238, 143008), (244, 143038), (256, 143101), (260, 143122), (261, 143131), (263, 143134), (270, 143167), (278, 143182), (317, 143317), (334, 143392), (343, 143452),

Gene: YemiJoy2021_251 Start: 143613, Stop: 145043, Start Num: 54
Candidate Starts for YemiJoy2021_251:
(Start: 54 @143613 has 180 MA's), (79, 143703), (89, 143766), (103, 143889), (109, 143913), (134, 143997), (144, 144039), (156, 144081), (183, 144246), (184, 144249), (228, 144504), (238, 144543), (244, 144573), (256, 144636), (260, 144657), (261, 144666), (263, 144669), (270, 144702), (278, 144717), (317, 144852), (334, 144927), (342, 144984), (343, 144987),

Gene: YoungMoneyMata_250 Start: 143074, Stop: 144504, Start Num: 54
Candidate Starts for YoungMoneyMata_250:
(Start: 54 @143074 has 180 MA's), (79, 143164), (89, 143227), (103, 143350), (109, 143374), (134, 143458), (144, 143500), (156, 143542), (183, 143707), (184, 143710), (228, 143965), (238, 144004), (244, 144034), (256, 144097), (260, 144118), (261, 144127), (263, 144130), (270, 144163), (278, 144178), (317, 144313), (334, 144388), (342, 144445), (343, 144448),

Gene: Yucca_251 Start: 144054, Stop: 145484, Start Num: 54
Candidate Starts for Yucca_251:
(Start: 54 @144054 has 180 MA's), (79, 144144), (89, 144207), (103, 144330), (109, 144354), (134, 144438), (144, 144480), (156, 144522), (183, 144687), (184, 144690), (228, 144945), (238, 144984), (244, 145014), (256, 145077), (260, 145098), (261, 145107), (263, 145110), (270, 145143), (278, 145158), (317, 145293), (334, 145368), (342, 145425), (343, 145428),

Gene: Zalkecks_249 Start: 142711, Stop: 144141, Start Num: 54
Candidate Starts for Zalkecks_249:
(Start: 54 @142711 has 180 MA's), (79, 142801), (89, 142864), (103, 142987), (109, 143011), (134, 143095), (144, 143137), (156, 143179), (183, 143344), (184, 143347), (228, 143602), (238, 143641), (244, 143671), (256, 143734), (260, 143755), (261, 143764), (263, 143767), (270, 143800), (278, 143815), (317, 143950), (334, 144025), (342, 144082), (343, 144085),

Gene: Zapner_37 Start: 26903, Stop: 28201, Start Num: 45
Candidate Starts for Zapner_37:

(Start: 45 @26903 has 28 MA's), (67, 26975), (79, 27023), (82, 27041), (90, 27095), (111, 27212), (112, 27215), (136, 27317), (148, 27374), (164, 27428), (176, 27491), (184, 27554), (185, 27557), (200, 27671), (203, 27683), (213, 27746), (231, 27842), (256, 27959), (262, 27992), (267, 28004), (297, 28109), (307, 28142), (318, 28181),

Gene: Zeenon_251 Start: 143245, Stop: 144675, Start Num: 54
Candidate Starts for Zeenon_251:
(Start: 54 @143245 has 180 MA's), (79, 143335), (89, 143398), (103, 143521), (109, 143545), (134, 143629), (144, 143671), (156, 143713), (183, 143878), (184, 143881), (228, 144136), (238, 144175), (244, 144205), (256, 144268), (260, 144289), (261, 144298), (263, 144301), (270, 144334), (278, 144349), (317, 144484), (334, 144559), (342, 144616), (343, 144619),

Gene: Zemanar_44 Start: 40552, Stop: 42288, Start Num: 33
Candidate Starts for Zemanar_44:
(Start: 33 @40552 has 28 MA's), (51, 40627), (56, 40645), (63, 40666), (68, 40681), (83, 40753), (94, 40846), (103, 40918), (109, 40942), (127, 41029), (130, 41044), (174, 41227), (183, 41308), (192, 41389), (196, 41413), (197, 41416), (206, 41458), (230, 41569), (231, 41578), (234, 41587), (251, 41683), (256, 41722), (273, 41791), (286, 41815), (293, 41842), (298, 41872), (322, 41950), (325, 41974), (329, 41992), (330, 41995), (335, 42019), (340, 42064), (359, 42148),

Gene: Zerg_30 Start: 26357, Stop: 27550, Start Num: 46
Candidate Starts for Zerg_30:
(Start: 46 @26357 has 160 MA's), (71, 26441), (96, 26591), (102, 26645), (131, 26786), (219, 26867), (246, 26993), (247, 26999), (253, 27038), (264, 27098), (269, 27113), (281, 27155), (291, 27191), (304, 27245), (306, 27254), (336, 27368), (341, 27410), (344, 27419), (355, 27476), (357, 27479),

Gene: ZygoTaiga_247 Start: 144351, Stop: 145781, Start Num: 54
Candidate Starts for ZygoTaiga_247:
(Start: 54 @144351 has 180 MA's), (79, 144441), (89, 144504), (103, 144627), (109, 144651), (134, 144735), (144, 144777), (156, 144819), (183, 144984), (184, 144987), (228, 145242), (238, 145281), (244, 145311), (256, 145374), (260, 145395), (261, 145404), (263, 145407), (270, 145440), (278, 145455), (317, 145590), (334, 145665), (342, 145722), (343, 145725),