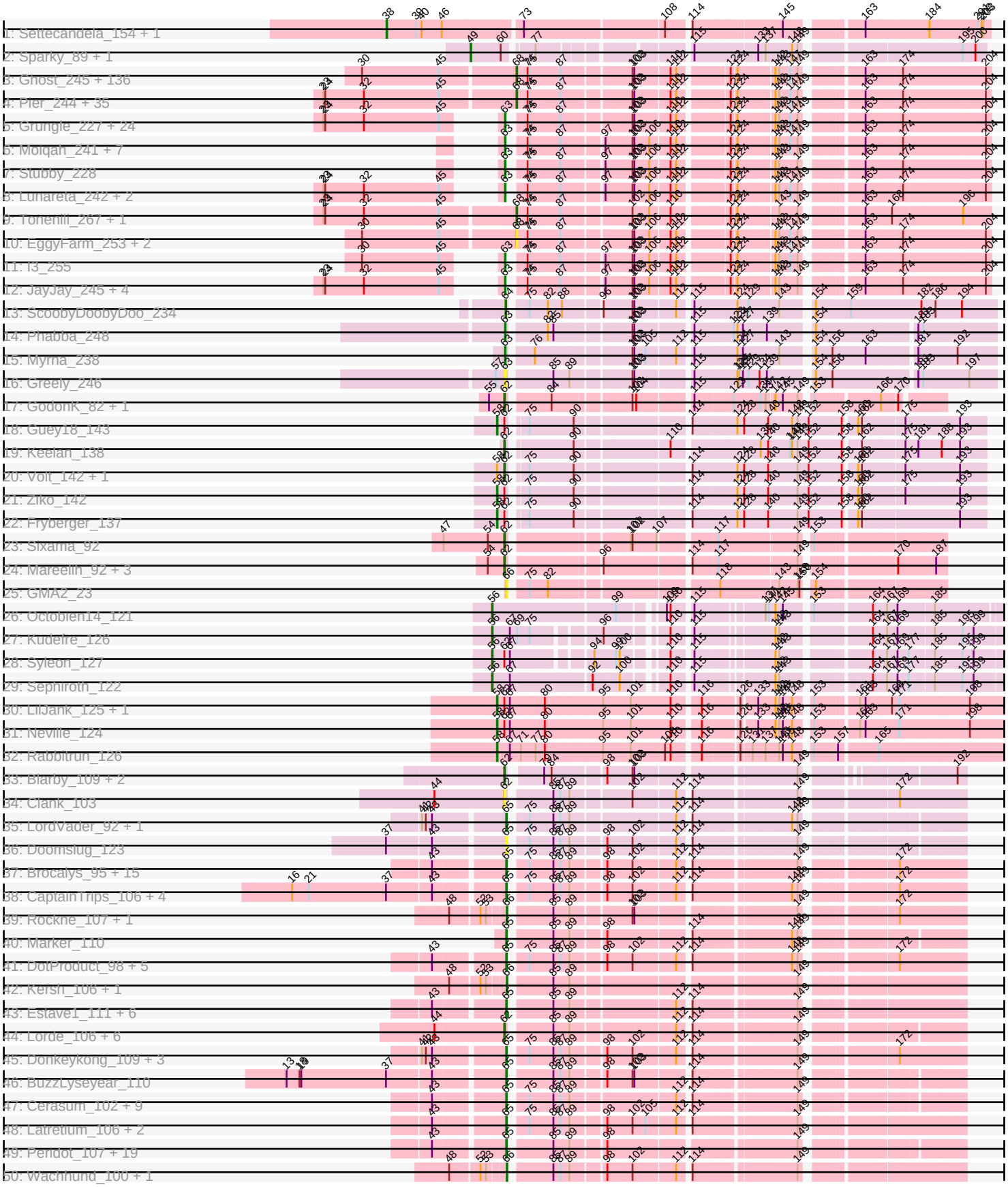
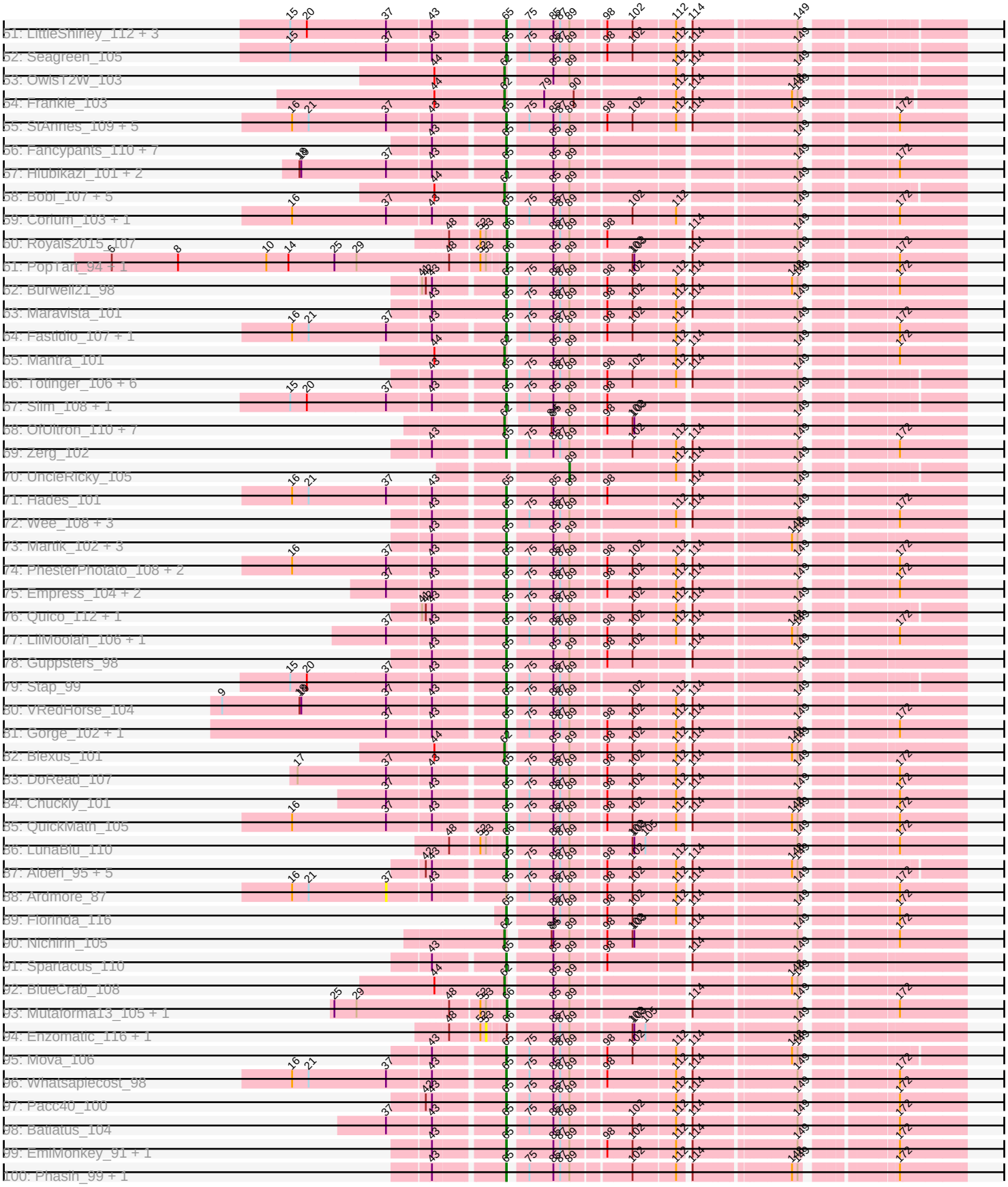
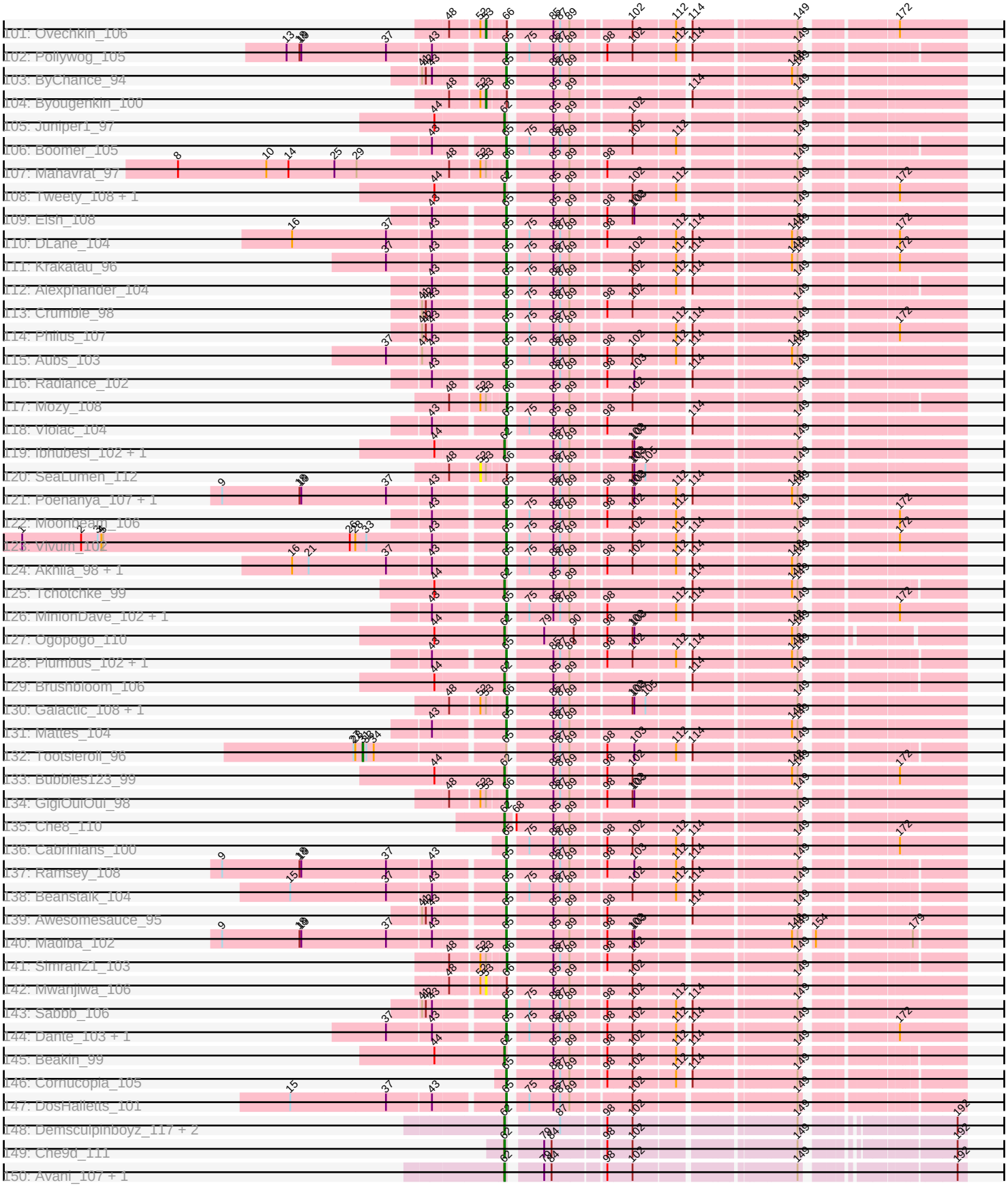
Pham 339165


1: Settecandela_154 + 1
2: Sparky_89 + 1
3: Ghost_245 + 136
4: Pier_244 + 35
5: Grungie_227 + 24
6: Molqah_241 + 7
7: Stubby_228
8: Lunareta_242 + 2
9: Tohenhi_267 + 1
10: EggyFarm_253 + 2
11: I3_255
12: JayJay_245 + 4
13: ScoobyDoobyDoo_234
14: Phabba_248
15: Myrna_238
16: Greely_246
17: GodonK_82 + 1
18: Guey18_143
19: Keelan_138
20: Volt_142 + 1
21: Ziko_142
22: Fryberger_137
23: Sixama_92
24: Mareelin_92 + 3
25: GMA2_23
26: Octobien14_121
27: Kudeire_126
28: Syleon_127
29: Sephiroth_122
30: LilJank_125 + 1
31: Neville_124
32: Rabbitrun_126
33: Blarby_109 + 2
34: Clank_103
35: LordVader_92 + 1
36: Doomslug_123
37: Brocalys_95 + 15
38: CaptainTrips_106 + 4
39: Rockne_107 + 1
40: Marker_110
41: DotProduct_98 + 5
42: Kersh_106 + 1
43: Estave1_111 + 6
44: Lorde_106 + 6
45: Donkeykong_109 + 3
46: BuzzLyseyear_110
47: Cerasum_102 + 9
48: Latretium_106 + 2
49: Peridot_107 + 19
50: Wachmund_100 + 1

Pham 339165


51: LittleShirley_112 + 3
52: Seagreen_105
53: OwlsT2W_103
54: Frankie_103
55: StAnnes_109 + 5
56: Fancypants_110 + 7
57: Hlubikazi_101 + 2
58: Bobi_107 + 5
59: Corium_103 + 1
60: Royals2015_107
61: PopTart_94 + 1
62: Burwell21_98
63: Maravista_101
64: Fastidio_107 + 1
65: Mantra_101
66: Totinger_106 + 6
67: Slim_108 + 1
68: OfOltron_110 + 7
69: Zerg_102
70: UncleRicky_105
71: Hades_101
72: Wee_108 + 3
73: Mantk_102 + 3
74: PhesterPhotato_108 + 2
75: Empress_104 + 2
76: Quico_112 + 1
77: LilMoolah_106 + 1
78: Guppsters_98
79: Stap_99
80: VRedHorse_104
81: Gorge_102 + 1
82: Blexus_101
83: DoRead_107
84: Chuckly_101
85: QuickMath_105
86: LunaBlu_110
87: Aiden_95 + 5
88: Ardmore_87
89: Fionnda_116
90: Nichirin_105
91: Spartacus_110
92: BlueCrab_108
93: Mutaforma13_105 + 1
94: Enzomatic_116 + 1
95: Mova_106
96: Whatsapiecost_98
97: Pacc40_100
98: Batiatus_104
99: EmiMonkey_91 + 1
100: Phasin_99 + 1

Pham 339165



Pham 339165


151: LunaStella_100 + 1
152: ThetaBob_105
153: Renaud18_111
154: Toron_106
155: MulchSalad_101
156: Okabe_98
157: QueenHazel_72 + 1
158: Sbash_88
159: Che9c_83 + 1
160: Imara_36 + 19
161: MadKillah_37 + 7
162: Ashwin_37
163: Idergollasper_36
164: YoyoKar_34
165: Zakhe101_36 + 1
166: Corndog_38
167: Marvin_83 + 10
168: Caprice_88 + 7
169: GoongGoong_88
170: Stellammi_181
171: phiAsp2_35
172: MooMoo_96

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 339165 Report

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

Pham number 339165 has 585 members, 54 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_154, Phrappuccino_154
• Track 2 : Sparky_89, Farewell_90
• Track 3 : Ghost_245, Bxz1_231, Pivoine_246, TinyTim_243, QBert_237, Naija_246, Jessibeth14_245, Kboogie_249, Delylah_247, Phusco_244, Atlantean_245, Shrimp_247, Maguvora_246, Gizmo_250, Shnickers_244, Pio_252, DTDevon_246, McWolfish_242, Cali_235, Fixie_237, BananaFence_242, Janiyra_248, Shaqnato_236, JustHall_239, Astraea_240, EmmaElysia_250, JPickles_242, Cactojaque_239, BadAgartude_239, Asterius_245, Khaleesi_244, CharlieB_240, Melpomini_240, Blackdragon_240, Rizal_234, Substance289_241, Naval22_252, JulietS_234, CindyLou_246, Adlitam_245, Dietrick_234, Ablatia_244, Quasimodo_248, ArcherS7_246, Rocha_241, Belieber_237, MoMoMixon_241, McGee_246, Jedediah_247, SmallFry_246, Trinitium_241, Rahel_247, ChickenPhender_241, Specks_249, Yucca_245, Demodog_251, InigoMontoya_249, Caravan_235, BackyardAgain_240, Bangla1971_246, FoxtrotP1_243, NoodleTree_241, Teardrop_243, BeanWater_238, ValleyTerrace_246, SoilZilla_238, Gamgam_247, Lukilu_234, LRRHood_237, ShiaLabeouf_243, EasyJones_246, Latch_245, Burrough_246, Basquiat_242, Ading_247, Amataga_246, Catera_234, Bread_241, Tortoise16_243, Napoleon13_242, Ngannou_240, Turret_236, ChaylaJr_244, LookingGlass_243, Sprinklers_243, Jaygup_242, GoldenSnow_244, Jemmno_245, Pleione_249, Derek_241, Domi_239, SVoro_240, Gabriel_248, Fongie_245, PurduePete_245, Essence_243, JigglyPuff_251, Concombre_250, LifeSavor_246, Morizzled23_242, BobaPhatt_238, SilverDipper_250, Babyland_248, Labradorite_247, Pupusa_248, Matsumoto_243, Duckfeet_239, Wally_243, StephanieG_239, Darko_244, Maby2021_245, Guwapp_241, Sauce_242, SiwenD96_246, Phlegm_250, RoMag_240, IkeLoa_239, Blackbrain_243, Erdmann_246, Littleton_249, Chargie21_242, Audrick_248, Bezza_239, Puhon_246, Drazdys_242, Bowman_246, Spud_237, Fludd_245, Momo_247, Iota_242, Chomp_244, ErnieJ_238, Dessert_246, StubbySaigey_251, GlutenPhree_246, EmToTheThree_245, Primadonna_239
• Track 4 : Pier_244, Delilah_243, ET08_231, Daffodil_251, Ronan_241, Bipolarisk_243, Bonray_247, Ava3_242, Phox_246, YemiJoy2021_246, Loanshark_242, DrPhinkDaddy_242, Capablanca_250, Megamind_242, ParkTD_244, Cleatunium_236, Izajani_241, Ewok_244, NedWong_244, OrediggerDelux_246, Yassified_241, Zeenon_246, Norm_245, ZygoTaiga_241, Salacia_246, Zalkecks_244, Roots515_248, Jezreel_242, MikeLiesIn_246, Shelob_246, Kamryn_244, Nidhogg_246, FudgeTart_240, Lee7_249, SrishMeg2525_242, Willis_246

• Track 5 : Grungle_227, LolaVinca_241, Bigswole_250, Nappy_244, Dandelion_251, Colt_235, Blubba_232, Lethe_243, Cane17_234, NuevoMundo_247, Halldule_237, Koguma_244, Breeniome_245, Mangeria_245, PharkleMinkus_245, Mikro_239, Tainan_245, ScottMcG_237, InterFolia_247, Patter_247, LordLeafolot_246, Spec_240, YoungMoneyMata_245, FrayBell_248, Tyke_242
• Track 6 : Moiqah_241, Shifa_221, Moby_242, HyRo_230, Rabinovish_238, Pinkcreek_225, Alice_231, Flabslab_239
• Track 7 : Stubby_228
• Track 8 : Lunareta_242, LinStu_242, Montpel_242
• Track 9 : Tonenili_267, Vortrix_263
• Track 10 : EggyFarm_253, BigCity_253, Grasshills_252
• Track 11 : I3_255
• Track 12 : JayJay_245, DirtMonster_234, Sebata_245, Maturis_239, DeejaClivia_232
• Track 13 : ScoobyDoobyDoo_234
• Track 14 : Phabba_248
• Track 15 : Myrna_238
• Track 16 : Greely_246
• Track 17 : GodonK_82, Phendrix_80
• Track 18 : Guey18_143
• Track 19 : Keelan_138
• Track 20 : Volt_142, Ronaldo_139
• Track 21 : Ziko_142
• Track 22 : Fryberger_137
• Track 23 : Sixama_92
• Track 24 : Mareelih_92, BlueNGold_93, Forza_94, Boopy_94
• Track 25 : GMA2_23
• Track 26 : Octobien14_121
• Track 27 : Kudefre_126
• Track 28 : Syleon_127
• Track 29 : Sephiroth_122
• Track 30 : LilJank_125, Trax_125
• Track 31 : Neville_124
• Track 32 : Rabbitrun_126
• Track 33 : Blarby_109, Zapner_108, Jabbawokkie_108
• Track 34 : Clank_103
• Track 35 : LordVader_92, Squirty_102
• Track 36 : Doomslug_123
• Track 37 : Brocalys_95, Chevrolet_108, Whouxphf_107, Emma_108, Zizzle_107, Pippy_102, NormanBulbieJr_101, Kenuha5_95, ArcusAngelus_104, James_107, MilleniumForce_104, ShowerHandel_106, LastJedi_94, FreddyB_112, Jennelsea_102, Bipolar_105
• Track 38 : CaptainTrips_106, Fruitloop_102, Melissauren88_94, Ms6_106, SG4_105
• Track 39 : Rockne_107, PMC_103
• Track 40 : Marker_110
• Track 41 : DotProduct_98, PatoPoderoso_105, Gandalph_103, Rita_103, Llij_98, Phatniss_100
• Track 42 : Kersh_106, Hegedechwinu_112
• Track 43 : Estave1_111, TDanisky_111, KristaRAM_112, DRBy19_103, Minnie_98, Sparkdehlily_110, Sandalphon_102
• Track 44 : Lorde_106, Lucia_103, RockyHorror_107, DirtMcgirt_104, Drago_103, DaWorst_103, Enby_107
• Track 45 : Donkeykong_109, SuperGrey_102, Cheesepuff_108, OlympiaSaint_107

• Track 46 : BuzzLyseyear_110
• Track 47 : Cerasum_102, BobaPhett_107, Lizziana_104, Brookers_102, Coco12_104, SwagPigglett_105, Sarma624_105, Kingsley_112, BigPhil_100, Velveteen_100
• Track 48 : Latretium_106, Phanphagia_108, Shauna1_105
• Track 49 : Peridot_107, Nimbo_95, Leperchaun_105, JoeyJr_106, PHappiness_103, Daenerys_101, Geralt_96, Dorothy_104, Eradicator_94, MisterCuddles_103, RedBird_104, OldBen_100, Inventum_101, Spoonbill_103, Polka14_107, Sassafras_105, RitaG_102, Girr_102, Deb65_96, DaddyRickover_105
• Track 50 : Wachhund_100, Nitzel_98
• Track 51 : LittleShirley_112, Juice456_103, MulchExplorer_104, Kimberlium_105
• Track 52 : Seagreen_105
• Track 53 : OwlsT2W_103
• Track 54 : Frankie_103
• Track 55 : StAnnes_109, Medindi_109, Filuzino_104, IbOuu_95, Hamulus_104, IMpilo_102
• Track 56 : Fancypants_110, Topiatin_105, Doug_99, Yorick_99, JalFarm20_112, Leozinho_99, Ruby_99, Karhdo_99
• Track 57 : Hlubikazi_101, Mandlovu_101, Strokeseat_101
• Track 58 : Bobi_107, Flathead_108, WillSterrel_102, BodEinwohner17_115, ShroomBoi_104, IrishSherpFalk_104
• Track 59 : Corium_103, KingJulian_112
• Track 60 : Royals2015_107
• Track 61 : PopTart_94, SassyB_94
• Track 62 : Burwell21_98
• Track 63 : Maravista_101
• Track 64 : Fastidio_107, DillTech15_110
• Track 65 : Mantra_101
• Track 66 : Totinger_106, Koella_96, Clifton_95, Rialto_108, Starcevich_106, Priscilla_104, Job42_106
• Track 67 : Slim_108, Emmaloid_108
• Track 68 : OfUltron_110, Llama_110, Ochi17_109, Jinglebell_110, Seabastian_110, Modragons_106, Oksu_109, AlpineSix_101
• Track 69 : Zerg_102
• Track 70 : UncleRicky_105
• Track 71 : Hades_101
• Track 72 : Wee_108, SiSi_98, Taj_109, Veteran_93
• Track 73 : Martik_102, ShiLan_106, Spikelee_104, Jarcob_106
• Track 74 : PhesterPhotato_108, XFactor_95, Phalconet_105
• Track 75 : Empress_104, Scottish_104, KingMidas_104
• Track 76 : Quico_112, Girafales_112
• Track 77 : LilMoolah_106, Nivrat_103
• Track 78 : Guppsters_98
• Track 79 : Stap_99
• Track 80 : VRedHorse_104
• Track 81 : Gorge_102, Saal_101
• Track 82 : Blexus_101
• Track 83 : DoRead_107
• Track 84 : Chuckly_101
• Track 85 : QuickMath_105
• Track 86 : LunaBlu_110
• Track 87 : Aloeri_95, ChickenDinner_94, DocMcStuffins_91, Misha28_93, Piper2020_98, TootsiePop_93

- Track 88 : Ardmore_87
- Track 89 : Florinda_116
- Track 90 : Nichirin_105
- Track 91 : Spartacus_110
- Track 92 : BlueCrab_108
- Track 93 : Mutaforma13_105, Firehouse51_98
- Track 94 : Enzomatic_116, Polo2Bam_115
- Track 95 : Mova_106
- Track 96 : Whatsapiecost_98
- Track 97 : Pacc40_100
- Track 98 : Batiatus_104
- Track 99 : EmiMonkey_91, PhlipPhlop_92
- Track 100 : Phasih_99, EleanorGeorge_107
- Track 101 : Ovechkin_106
- Track 102 : Pollywog_105
- Track 103 : ByChance_94
- Track 104 : Byougenkin_100
- Track 105 : Juniper1_97
- Track 106 : Boomer_105
- Track 107 : Mahavrat_97
- Track 108 : Tweety_108, DeadP_106
- Track 109 : Eish_108
- Track 110 : DLane_104
- Track 111 : Krakatau_96
- Track 112 : Alexphander_104
- Track 113 : Crumble_98
- Track 114 : Philus_107
- Track 115 : Aubs_103
- Track 116 : Radiance_102
- Track 117 : Mozy_108
- Track 118 : Violac_104
- Track 119 : Ibhubesi_102, Harley_107
- Track 120 : SeaLumen_112
- Track 121 : Poenanya_107, Doomphist_108
- Track 122 : Moonbeam_106
- Track 123 : Vivum_102
- Track 124 : Akhila_98, MilanaBonita_97
- Track 125 : Tchotchke_99
- Track 126 : MinionDave_102, GUmbie_103
- Track 127 : Ogopogo_110
- Track 128 : Plumbus_102, MadMen_108
- Track 129 : Brushbloom_106
- Track 130 : Galactic_108, NewHope4_111
- Track 131 : Mattes_104
- Track 132 : Tootsieroll_96
- Track 133 : Bubbles123_99
- Track 134 : GigiOuiOui_98
- Track 135 : Che8_110
- Track 136 : Cabrinians_100
- Track 137 : Ramsey_108
- Track 138 : Beanstalk_104
- Track 139 : Awesomesauce_95
- Track 140 : Madiba_102

• Track 141 : SimranZ1_103
• Track 142 : Mwanjiwa_106
• Track 143 : Sabbb_106
• Track 144 : Dante_103, Jant_112
• Track 145 : Beakin_99
• Track 146 : Cornucopia_105
• Track 147 : DosHalletts_101
• Track 148 : Demsculpinboyz_117, SilverChicken_109, Yoshi_116
• Track 149 : Che9d_111
• Track 150 : Avani_107, Soul22_102
• Track 151 : LunaStella_100, TChen_100
• Track 152 : ThetaBob_105
• Track 153 : Renaud18_111
• Track 154 : Toron_106
• Track 155 : MulchSalad_101
• Track 156 : Okabe_98
• Track 157 : QueenHazel_72, Xula_73
• Track 158 : Sbash_88
• Track 159 : Che9c_83, Stuck_84
• Track 160 : Imara_36, Wildflower_36, Zebo_36, Firecracker_36, SchoolBus_36, Catdawg_36, YungJamal_39, Ryadel_39, Blessica_37, Bora_33, FoulBall_36, Smooch_38, KingPhillip3_36, Shida_36, Alkhayr_36, Vagabond_36, Familton_37, JangDynasty_36, Wogge42_35, Winget_37
• Track 161 : MadKillah_37, TelAviv_33, Vorrps_35, Krili_35, Mori_35, NiebruSaylor_35, Murai_36, Schuy_37
• Track 162 : Ashwin_37
• Track 163 : Idergollasper_36
• Track 164 : YoyoKar_34
• Track 165 : Zakhe101_36, Dylan_35
• Track 166 : Corndog_38
• Track 167 : Marvin_83, Lilbit_85, FeliMaine_89, Poise_89, Beelzebub_93, Corazon_84, Blackbeetle_89, Clarkson_90, Huphlepuff_91, LittleLaf_87, Pringar_85
• Track 168 : Caprice_88, MosMoris_83, RedRaider77_88, Raela_90, JoieB_89, Gattaca_86, Tesla_84, VasuNzinga_86
• Track 169 : GoongGoong_88
• Track 170 : Stellammi_181
• Track 171 : phiAsp2_35
• Track 172 : MooMoo_96

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

The start number called the most often in the published annotations is 65, it was called in 182 of the 531 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_98, Alexphander_104, Aloeri_95, ArcusAngelus_104, Aubs_103, Awesomesauce_95, Batiatus_104, Beanstalk_104, BigPhil_100, Bipolar_105, BobaPhett_107, Boomer_105, Brocalys_95, Brookers_102, Burwell21_98, BuzzLyseyear_110, ByChance_94, Cabrinians_100, CaptainTrips_106, Cerasum_102, Cheesepuff_108, Chevrolet_108, ChickenDinner_94, Chuckly_101,

Clifton_95, Coco12_104, Corium_103, Cornucopia_105, Crumble_98, DLane_104, DRBy19_103, DaddyRickover_105, Daenerys_101, Dante_103, Deb65_96, DillTech15_110, DoRead_107, DocMcStuffins_91, Donkeykong_109, Doomphist_108, Doomslug_123, Dorothy_104, DosHalletts_101, DotProduct_98, Doug_99, Eish_108, EleanorGeorge_107, EmiMonkey_91, Emma_108, Emmaloid_108, Empress_104, Eradicator_94, Estave1_111, Fancypants_110, Fastidio_107, Filuzino_104, Florinda_116, FreddyB_112, Fruitloop_102, GUmbie_103, Gandalph_103, Geralt_96, Girafales_112, Girr_102, Gorge_102, Guppsters_98, Hades_101, Hamulus_104, Hlubikazi_101, IMpilo_102, IbOuu_95, Inventum_101, JalFarm20_112, James_107, Jant_112, Jarcob_106, Jennelsea_102, Job42_106, JoeyJr_106, Juice456_103, Karhdo_99, Kenuha5_95, Kimberlium_105, KingJulian_112, KingMidas_104, Kingsley_112, Koella_96, Krakatau_96, KristaRAM_112, LastJedi_94, Latretium_106, Leozinho_99, Leperchaun_105, LilMoolah_106, LittleShirley_112, Lizziana_104, Llij_98, LordVader_92, MadMen_108, Madiba_102, Mandlovu_101, Maravista_101, Marker_110, Martik_102, Mattes_104, Medindi_109, Melissauren88_94, MilanaBonita_97, MilleniumForce_104, MinionDave_102, Minnie_98, Misha28_93, MisterCuddles_103, Moonbeam_106, Mova_106, Ms6_106, MulchExplorer_104, MulchSalad_101, Nimbo_95, Nivrat_103, NormanBulbieJr_101, OldBen_100, OlympiaSaint_107, PHappiness_103, Pacc40_100, PatoPoderoso_105, Peridot_107, Phalconet_105, Phanphagia_108, Phasih_99, Phatniss_100, PhesterPhotato_108, Philus_107, PhlipPhlop_92, Piper2020_98, Pippy_102, Plumbus_102, Poenanya_107, Polka14_107, Pollywog_105, Priscilla_104, QuickMath_105, Quico_112, Radiance_102, Ramsey_108, RedBird_104, Rialto_108, RitaG_102, Rita_103, Ruby_99, SG4_105, Saal_101, Sabbb_106, Sandalphon_102, Sarma624_105, Sassafras_105, Scottish_104, Seagreen_105, Shauna1_105, ShiLan_106, ShowerHandel_106, SiSi_98, Slim_108, Sparkdehlily_110, Spartacus_110, Spikelee_104, Spoonbill_103, Squirty_102, StAnnes_109, Stap_99, Starcevich_106, Strokeseat_101, SuperGrey_102, SwagPigglett_105, TDanisky_111, Taj_109, TootsiePop_93, Topiatin_105, Totinger_106, VRedHorse_104, Velveteen_100, Veteran_93, Violac_104, Vivum_102, Wee_108, Whatsapiecost_98, Whouxphf_107, XFactor_95, Yorick_99, Zerg_102, Zizzle_107,

Genes that have the "Most Annotated" start but do not call it:
• Ardmore_87, Tootsieroll_96,

Genes that do not have the "Most Annotated" start:
• Ablatia_244, Ading_247, Adlitam_245, Alice_231, Alkhayr_36, AlpineSix_101, Amataga_246, ArcherS7_246, Ashwin_37, Asterius_245, Astraea_240, Atlantean_245, Audrick_248, Ava3_242, Avani_107, Babyland_248, BackyardAgain_240, BadAgartude_239, BananaFence_242, Bangla1971_246, Basquiat_242, Beakin_99, BeanWater_238, Beelzebub_93, Belieber_237, Bezza_239, BigCity_253, Bigswole_250, Bipolarisk_243, Blackbeetle_89, Blackbrain_243, Blackdragon_240, Blarby_109, Blessica_37, Blexus_101, Blubba_232, BlueCrab_108, BlueNGold_93, BobaPhatt_238, Bobi_107, BodEinwohner17_115, Bonray_247, Boopy_94, Bora_33, Bowman_246, Bread_241, Breeniome_245, Brushbloom_106, Bubbles123_99, Burrough_246, Bxz1_231, Byougenkin_100, Cactojaque_239, Cali_235, Cane17_234, Capablanca_250, Caprice_88, Caravan_235, Catdawg_36, Catera_234, Chargie21_242, CharlieB_240, ChaylaJr_244, Che8_110, Che9c_83, Che9d_111, ChickenPhender_241, Chomp_244, CindyLou_246, Clank_103, Clarkson_90, Cleatunium_236, Colt_235, Concombre_250, Corazon_84, Corndog_38, DTDevon_246, DaWorst_103, Daffodil_251, Dandelion_251, Darko_244, DeadP_106, DeejaClivia_232,

Delilah_243, Delylah_247, Demodog_251, Demsculpinboyz_117, Derek_241, Dessert_246, Dietrick_234, DirtMcgirt_104, DirtMonster_234, Domi_239, DrPhinkDaddy_242, Drago_103, Drazdys_242, Duckfeet_239, Dylan_35, ET08_231, EasyJones_246, EggyFarm_253, EmToTheThree_245, EmmaElysia_250, Enby_107, Enzomatic_116, Erdmann_246, ErnieJ_238, Essence_243, Ewok_244, Familton_37, Farewell_90, FeliMaine_89, Firecracker_36, Firehouse51_98, Fixie_237, Flabslab_239, Flathead_108, Fludd_245, Fongie_245, Forza_94, FoulBall_36, FoxtrotP1_243, Frankie_103, FrayBell_248, Fryberger_137, FudgeTart_240, GMA2_23, Gabriel_248, Galactic_108, Gamgam_247, Gattaca_86, Ghost_245, GigiOuiOui_98, Gizmo_250, GlutenPhree_246, GodonK_82, GoldenSnow_244, GoongGoong_88, Grasshills_252, Greely_246, Grungle_227, Guey18_143, Guwapp_241, Halldule_237, Harley_107, Hegedechwinu_112, Huphlepuff_91, HyRo_230, I3_255, Ibhubesi_102, Idergollasper_36, IkeLoa_239, Imara_36, InigoMontoya_249, InterFolia_247, Iota_242, IrishSherpFalk_104, Izajani_241, JPickles_242, Jabbawokkie_108, JangDynasty_36, Janiyra_248, JayJay_245, Jaygup_242, Jedediah_247, Jemmno_245, Jessibeth14_245, Jezreel_242, JigglyPuff_251, Jinglebell_110, JoieB_89, JulietS_234, Juniper1_97, JustHall_239, Kamryn_244, Kboogie_249, Keelan_138, Kersh_106, Khaleesi_244, KingPhillip3_36, Koguma_244, Krili_35, Kudefre_126, LRRHood_237, Labradorite_247, Latch_245, Lee7_249, Lethe_243, LifeSavor_246, LilJank_125, Lilbit_85, LinStu_242, LittleLaf_87, Littleton_249, Llama_110, Loanshark_242, LolaVinca_241, LookingGlass_243, LordLeafolot_246, Lorde_106, Lucia_103, Lukilu_234, LunaBlu_110, LunaStella_100, Lunareta_242, Maby2021_245, MadKillah_37, Maguvora_246, Mahavrat_97, Mangeria_245, Mantra_101, Mareelih_92, Marvin_83, Matsumoto_243, Maturis_239, McGee_246, McWolfish_242, Megamind_242, Melpomini_240, MikeLiesIn_246, Mikro_239, MoMoMixon_241, Moby_242, Modragons_106, Moiqah_241, Momo_247, Montpel_242, MooMoo_96, Mori_35, Morizzled23_242, MosMoris_83, Mozy_108, Murai_36, Mutaforma13_105, Mwanjiwa_106, Myrna_238, Naija_246, Napoleon13_242, Nappy_244, Naval22_252, NedWong_244, Neville_124, NewHope4_111, Ngannou_240, Nichirin_105, Nidhogg_246, NiebruSaylor_35, Nitzel_98, NoodleTree_241, Norm_245, NuevoMundo_247, Ochi17_109, Octobien14_121, OfUltron_110, Ogopogo_110, Okabe_98, Oksu_109, OrediggerDelux_246, Ovechkin_106, OwlsT2W_103, PMC_103, ParkTD_244, Patter_247, Phabba_248, PharkleMinkus_245, Phendrix_80, Phlegm_250, Phox_246, Phrappuccino_154, Phusco_244, Pier_244, Pinkcreek_225, Pio_252, Pivoine_246, Pleione_249, Poise_89, Polo2Bam_115, PopTart_94, Primadonna_239, Pringar_85, Puhon_246, Pupusa_248, PurduePete_245, QBert_237, Quasimodo_248, QueenHazel_72, Rabbitrun_126, Rabinovish_238, Raela_90, Rahel_247, RedRaider77_88, Renaud18_111, Rizal_234, RoMag_240, Rocha_241, Rockne_107, RockyHorror_107, Ronaldo_139, Ronan_241, Roots515_248, Royals2015_107, Ryadel_39, SVoro_240, Salacia_246, SassyB_94, Sauce_242, Sbash_88, SchoolBus_36, Schuy_37, ScoobyDoobyDoo_234, ScottMcG_237, SeaLumen_112, Seabastian_110, Sebata_245, Sephiroth_122, Settecandela_154, Shaqnato_236, Shelob_246, ShiaLabeouf_243, Shida_36, Shifa_221, Shnickers_244, Shrimp_247, ShroomBoi_104, SilverChicken_109, SilverDipper_250, SimranZ1_103, SiwenD96_246, Sixama_92, SmallFry_246, Smooch_38, SoilZilla_238, Soul22_102, Sparky_89, Spec_240, Specks_249, Sprinklers_243, Spud_237, SrishMeg2525_242, Stellammi_181, StephanieG_239, StubbySaigey_251, Stubby_228, Stuck_84, Substance289_241, Syleon_127, TChen_100, Tainan_245, Tchotchke_99, Teardrop_243, TelAviv_33, Tesla_84, ThetaBob_105, TinyTim_243, Tonenili_267, Toron_106, Tortoise16_243, Trax_125, Trinitium_241, Turret_236, Tweety_108, Tyke_242, UncleRicky_105, Vagabond_36, ValleyTerrace_246, VasuNzinga_86,

Volt_142, Vorrps_35, Vortrix_263, Wachhund_100, Wally_243, Wildflower_36, WillSterrel_102, Willis_246, Winget_37, Wogge42_35, Xula_73, Yassified_241, YemiJoy2021_246, Yoshi_116, YoungMoneyMata_245, YoyoKar_34, Yucca_245, YungJamal_39, Zakhe101_36, Zalkecks_244, Zapner_108, Zebo_36, Zeenon_246, Ziko_142, ZygoTaiga_241, phiAsp2_35,

Summary by start number:

Start 31:
• Found in 1 of 585 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tootsieroll_96 (F1),

Start 37:
• Found in 60 of 585 (10.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.7% of time when present
• Phage (with cluster) where this start called: Ardmore_87 (F1),

Start 38:
• Found in 2 of 585 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_154 (AA), Settecandela_154 (AA),

Start 49:
• Found in 2 of 585 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_90 (AF), Sparky_89 (AF),

Start 52:
• Found in 24 of 585 (4.1%) of genes in pham
• No Manual Annotations of this start.
• Called 4.2% of time when present
• Phage (with cluster) where this start called: SeaLumen_112 (F1),

Start 53:
• Found in 24 of 585 (4.1%) of genes in pham
• Manual Annotations of this start: 2 of 531
• Called 20.8% of time when present
• Phage (with cluster) where this start called: Byougenkin_100 (F1), Enzomatic_116 (F1), Mwanjiwa_106 (F1), Ovechkin_106 (F1), Polo2Bam_115 (F1),

Start 56:
• Found in 4 of 585 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_126 (DU1), Octobien14_121 (DU1), Sephiroth_122 (DU1), Syleon_127 (DU1),

Start 58:
• Found in 9 of 585 (1.5%) of genes in pham
• Manual Annotations of this start: 7 of 531
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Fryberger_137 (DP), Guey18_143 (DP), LilJank_125 (DU2), Neville_124 (DU2), Rabbitrun_126 (DU2), Trax_125 (DU2), Ziko_142 (DP),

Start 61:
• Found in 20 of 585 (3.4%) of genes in pham
• Manual Annotations of this start: 20 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_93 (S), Blackbeetle_89 (S), Caprice_88 (S), Clarkson_90 (S), Corazon_84 (S), FeliMaine_89 (S), Gattaca_86 (S), GoongGoong_88 (S), Huphlepuff_91 (S), JoieB_89 (S), Lilbit_85 (S), LittleLaf_87 (S), Marvin_83 (S), MosMoris_83 (S), Poise_89 (S), Pringar_85 (S), Raela_90 (S), RedRaider77_88 (S), Tesla_84 (S), VasuNzinga_86 (S),

Start 62:
• Found in 68 of 585 (11.6%) of genes in pham
• Manual Annotations of this start: 55 of 531
• Called 86.8% of time when present
• Phage (with cluster) where this start called: AlpineSix_101 (F1), Avani_107 (F2), Beakin_99 (F1), Blarby_109 (F), Blexus_101 (F1), BlueCrab_108 (F1), BlueNGold_93 (DS), Bobi_107 (F1), BodEinwohner17_115 (F1), Boopy_94 (DS), Brushbloom_106 (F1), Bubbles123_99 (F1), Che8_110 (F1), Che9d_111 (F2), Clank_103 (F), DaWorst_103 (F1), DeadP_106 (F1), Demsculpinboyz_117 (F2), DirtMcgirt_104 (F1), Drago_103 (F1), Enby_107 (F1), Flathead_108 (F1), Forza_94 (DS), Frankie_103 (F1), GodonK_82 (DK), Harley_107 (F1), Ibhubesi_102 (F1), IrishSherpFalk_104 (F1), Jabbawokkie_108 (F2), Jinglebell_110 (F1), Juniper1_97 (F1), Keelan_138 (DP), Llama_110 (F1), Lorde_106 (F1), Lucia_103 (F1), Mantra_101 (F1), Mareelih_92 (DS), Modragons_106 (F1), Nichirin_105 (F1), Ochi17_109 (F1), OfUltron_110 (F1), Ogopogo_110 (F1), Okabe_98 (F8), Oksu_109 (F1), OwlsT2W_103 (F1), Phendrix_80 (DK), RockyHorror_107 (F1), Ronaldo_139 (DP), Seabastian_110 (F1), ShroomBoi_104 (F1), SilverChicken_109 (F2), Sixama_92 (DS), Soul22_102 (F2), Tchotchke_99 (F1), Tweety_108 (F1), Volt_142 (DP), WillSterrel_102 (F1), Yoshi_116 (F2), Zapner_108 (F2),

Start 63:
• Found in 47 of 585 (8.0%) of genes in pham
• Manual Annotations of this start: 38 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alice_231 (C1), Bigswole_250 (C1), Blubba_232 (C1), Breeniome_245 (C1), Cane17_234 (C1), Colt_235 (C1), Dandelion_251 (C1), DeejaClivia_232 (C1), DirtMonster_234 (C1), Flabslab_239 (C1), FrayBell_248 (C1), Greely_246 (C2), Grungle_227 (C1), Halldule_237 (C1), HyRo_230 (C1), I3_255 (C1), InterFolia_247 (C1), JayJay_245 (C1), Koguma_244 (C1), Lethe_243 (C1), LinStu_242 (C1), LolaVinca_241 (C1), LordLeafolot_246 (C1), Lunareta_242 (C1), Mangeria_245 (C1), Maturis_239 (C1), Mikro_239 (C1), Moby_242 (C1), Moiqah_241 (C1), Montpel_242 (C1), Myrna_238 (C2), Nappy_244 (C1), NuevoMundo_247 (C1), Patter_247 (C1), Phabba_248 (C2), PharkleMinkus_245 (C1), Pinkcreek_225 (C1), Rabinovish_238 (C1), ScottMcG_237 (C1), Sebata_245 (C1), Shifa_221 (C1), Spec_240 (C1), Stellammi_181 (UNK),

Stubby_228 (C1), Tainan_245 (C1), Tyke_242 (C1), YoungMoneyMata_245 (C1),

Start 64:
• Found in 1 of 585 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_234 (C2),

Start 65:
• Found in 193 of 585 (33.0%) of genes in pham
• Manual Annotations of this start: 182 of 531
• Called 99.0% of time when present
• Phage (with cluster) where this start called: Akhila_98 (F1), Alexphander_104 (F1), Aloeri_95 (F1), ArcusAngelus_104 (F1), Aubs_103 (F1), Awesomesauce_95 (F1), Batiatus_104 (F1), Beanstalk_104 (F1), BigPhil_100 (F1), Bipolar_105 (F1), BobaPhett_107 (F1), Boomer_105 (F1), Brocalys_95 (F1), Brookers_102 (F1), Burwell21_98 (F1), BuzzLyseyear_110 (F1), ByChance_94 (F1), Cabrinians_100 (F1), CaptainTrips_106 (F1), Cerasum_102 (F1), Cheesepuff_108 (F1), Chevrolet_108 (F1), ChickenDinner_94 (F1), Chuckly_101 (F1), Clifton_95 (F1), Coco12_104 (F1), Corium_103 (F1), Cornucopia_105 (F1), Crumble_98 (F1), DLane_104 (F1), DRBy19_103 (F1), DaddyRickover_105 (F1), Daenerys_101 (F1), Dante_103 (F1), Deb65_96 (F1), DillTech15_110 (F1), DoRead_107 (F1), DocMcStuffins_91 (F1), Donkeykong_109 (F1), Doomphist_108 (F1), Doomslug_123 (F), Dorothy_104 (F1), DosHalletts_101 (F1), DotProduct_98 (F1), Doug_99 (F1), Eish_108 (F1), EleanorGeorge_107 (F1), EmiMonkey_91 (F1), Emma_108 (F1), Emmaloid_108 (F1), Empress_104 (F1), Eradicator_94 (F1), Estave1_111 (F1), Fancypants_110 (F1), Fastidio_107 (F1), Filuzino_104 (F1), Florinda_116 (F1), FreddyB_112 (F1), Fruitloop_102 (F1), GUmbie_103 (F1), Gandalph_103 (F1), Geralt_96 (F1), Girafales_112 (F1), Girr_102 (F1), Gorge_102 (F1), Guppsters_98 (F1), Hades_101 (F1), Hamulus_104 (F1), Hlubikazi_101 (F1), IMpilo_102 (F1), IbOuu_95 (F1), Inventum_101 (F1), JalFarm20_112 (F1), James_107 (F1), Jant_112 (F1), Jarcob_106 (F1), Jennelsea_102 (F1), Job42_106 (F1), JoeyJr_106 (F1), Juice456_103 (F1), Karhdo_99 (F1), Kenuha5_95 (F1), Kimberlium_105 (F1), KingJulian_112 (F1), KingMidas_104 (F1), Kingsley_112 (F1), Koella_96 (F1), Krakatau_96 (F1), KristaRAM_112 (F1), LastJedi_94 (F1), Latretium_106 (F1), Leozinho_99 (F1), Leperchaun_105 (F1), LilMoolah_106 (F1), LittleShirley_112 (F1), Lizziana_104 (F1), Llij_98 (F1), LordVader_92 (F), MadMen_108 (F1), Madiba_102 (F1), Mandlovu_101 (F1), Maravista_101 (F1), Marker_110 (F1), Martik_102 (F1), Mattes_104 (F1), Medindi_109 (F1), Melissauren88_94 (F1), MilanaBonita_97 (F1), MilleniumForce_104 (F1), MinionDave_102 (F1), Minnie_98 (F1), Misha28_93 (F1), MisterCuddles_103 (F1), Moonbeam_106 (F1), Mova_106 (F1), Ms6_106 (F1), MulchExplorer_104 (F1), MulchSalad_101 (F7), Nimbo_95 (F1), Nivrat_103 (F1), NormanBulbieJr_101 (F1), OldBen_100 (F1), OlympiaSaint_107 (F1), PHappiness_103 (F1), Pacc40_100 (F1), PatoPoderoso_105 (F1), Peridot_107 (F1), Phalconet_105 (F1), Phanphagia_108 (F1), Phasih_99 (F1), Phatniss_100 (F1), PhesterPhotato_108 (F1), Philus_107 (F1), PhlipPhlop_92 (F1), Piper2020_98 (F1), Pippy_102 (F1), Plumbus_102 (F1), Poenanya_107 (F1), Polka14_107 (F1), Pollywog_105 (F1), Priscilla_104 (F1), QuickMath_105 (F1), Quico_112 (F1), Radiance_102 (F1), Ramsey_108 (F1), RedBird_104 (F1), Rialto_108 (F1), RitaG_102 (F1), Rita_103 (F1), Ruby_99 (F1), SG4_105 (F1), Saal_101 (F1), Sabbb_106 (F1), Sandalphon_102 (F1), Sarma624_105 (F1), Sassafras_105 (F1), Scottish_104 (F1), Seagreen_105 (F1), Shauna1_105 (F1), ShiLan_106 (F1), ShowerHandel_106 (F1), SiSi_98 (F1), Slim_108 (F1), Sparkdehlily_110 (F1),

Spartacus_110 (F1), Spikelee_104 (F1), Spoonbill_103 (F1), Squirty_102 (F3), StAnnes_109 (F1), Stap_99 (F1), Starcevich_106 (F1), Strokeseat_101 (F1), SuperGrey_102 (F1), SwagPigglett_105 (F1), TDanisky_111 (F1), Taj_109 (F1), TootsiePop_93 (F1), Topiatin_105 (F1), Totinger_106 (F1), VRedHorse_104 (F1), Velveteen_100 (F1), Veteran_93 (F1), Violac_104 (F1), Vivum_102 (F1), Wee_108 (F1), Whatsapiecost_98 (F1), Whouxphf_107 (F1), XFactor_95 (F1), Yorick_99 (F1), Zerg_102 (F1), Zizzle_107 (F1),

Start 66:
• Found in 25 of 585 (4.3%) of genes in pham
• Manual Annotations of this start: 18 of 531
• Called 76.0% of time when present
• Phage (with cluster) where this start called: Firehouse51_98 (F1), GMA2_23 (DS), Galactic_108 (F1), GigiOuiOui_98 (F1), Hegedechwinu_112 (F1), Kersh_106 (F1), LunaBlu_110 (F1), Mahavrat_97 (F1), Mozy_108 (F1), Mutaforma13_105 (F1), NewHope4_111 (F1), Nitzel_98 (F1), PMC_103 (F1), PopTart_94 (F1), Rockne_107 (F1), Royals2015_107 (F1), SassyB_94 (F1), SimranZ1_103 (F1), Wachhund_100 (F1),

Start 68:
• Found in 185 of 585 (31.6%) of genes in pham
• Manual Annotations of this start: 160 of 531
• Called 99.5% of time when present
• Phage (with cluster) where this start called: Ablatia_244 (C1), Ading_247 (C1), Adlitam_245 (C1), Amataga_246 (C1), ArcherS7_246 (C1), Asterius_245 (C1), Astraea_240 (C1), Atlantean_245 (C1), Audrick_248 (C1), Ava3_242 (C1), Babyland_248 (C1), BackyardAgain_240 (C1), BadAgartude_239 (C1), BananaFence_242 (C1), Bangla1971_246 (C1), Basquiat_242 (C1), BeanWater_238 (C1), Belieber_237 (C1), Bezza_239 (C1), BigCity_253 (C1), Bipolarisk_243 (C1), Blackbrain_243 (C1), Blackdragon_240 (C1), BobaPhatt_238 (C1), Bonray_247 (C1), Bowman_246 (C1), Bread_241 (C1), Burrough_246 (C1), Bxz1_231 (C1), Cactojaque_239 (C1), Cali_235 (C1), Capablanca_250 (C1), Caravan_235 (C1), Catera_234 (C1), Chargie21_242 (C1), CharlieB_240 (C1), ChaylaJr_244 (C1), ChickenPhender_241 (C1), Chomp_244 (C1), CindyLou_246 (C1), Cleatunium_236 (C1), Concombre_250 (C1), DTDevon_246 (C1), Daffodil_251 (C1), Darko_244 (C1), Delilah_243 (C1), Delylah_247 (C1), Demodog_251 (C1), Derek_241 (C1), Dessert_246 (C1), Dietrick_234 (C1), Domi_239 (C1), DrPhinkDaddy_242 (C1), Drazdys_242 (C1), Duckfeet_239 (C1), ET08_231 (C1), EasyJones_246 (C1), EggyFarm_253 (C1), EmToTheThree_245 (C1), EmmaElysia_250 (C1), Erdmann_246 (C1), ErnieJ_238 (C1), Essence_243 (C1), Ewok_244 (C1), Fixie_237 (C1), Fludd_245 (C1), Fongie_245 (C1), FoxtrotP1_243 (C1), FudgeTart_240 (C1), Gabriel_248 (C1), Gamgam_247 (C1), Ghost_245 (C1), Gizmo_250 (C1), GlutenPhree_246 (C1), GoldenSnow_244 (C1), Grasshills_252 (C1), Guwapp_241 (C1), IkeLoa_239 (C1), InigoMontoya_249 (C1), Iota_242 (C1), Izajani_241 (C1), JPickles_242 (C1), Janiyra_248 (C1), Jaygup_242 (C1), Jedediah_247 (C1), Jemmno_245 (C1), Jessibeth14_245 (C1), Jezreel_242 (C1), JigglyPuff_251 (C1), JulietS_234 (C1), JustHall_239 (C1), Kamryn_244 (C1), Kboogie_249 (C1), Khaleesi_244 (C1), LRRHood_237 (C1), Labradorite_247 (C1), Latch_245 (C1), Lee7_249 (C1), LifeSavor_246 (C1), Littleton_249 (C1), Loanshark_242 (C1), LookingGlass_243 (C1), Lukilu_234 (C1), LunaStella_100 (F4), Maby2021_245 (C1), Maguvora_246 (C1), Matsumoto_243 (C1), McGee_246 (C1), McWolfish_242 (C1), Megamind_242 (C1), Melpomini_240 (C1), MikeLiesIn_246 (C1), MoMoMixon_241 (C1), Momo_247 (C1), Morizzled23_242 (C1), Naija_246 (C1), Napoleon13_242 (C1),

Naval22_252 (C1), NedWong_244 (C1), Ngannou_240 (C1), Nidhogg_246 (C1), NoodleTree_241 (C1), Norm_245 (C1), OrediggerDelux_246 (C1), ParkTD_244 (C1), Phlegm_250 (C1), Phox_246 (C1), Phusco_244 (C1), Pier_244 (C1), Pio_252 (C1), Pivoine_246 (C1), Pleione_249 (C1), Primadonna_239 (C1), Puhon_246 (C1), Pupusa_248 (C1), PurduePete_245 (C1), QBert_237 (C1), Quasimodo_248 (C1), Rahel_247 (C1), Renaud18_111 (F4), Rizal_234 (C1), RoMag_240 (C1), Rocha_241 (C1), Ronan_241 (C1), Roots515_248 (C1), SVoro_240 (C1), Salacia_246 (C1), Sauce_242 (C1), Shaqnato_236 (C1), Shelob_246 (C1), ShiaLabeouf_243 (C1), Shnickers_244 (C1), Shrimp_247 (C1), SilverDipper_250 (C1), SiwenD96_246 (C1), SmallFry_246 (C1), SoilZilla_238 (C1), Specks_249 (C1), Sprinklers_243 (C1), Spud_237 (C1), SrishMeg2525_242 (C1), StephanieG_239 (C1), StubbySaigey_251 (C1), Substance289_241 (C1), TChen_100 (F4), Teardrop_243 (C1), ThetaBob_105 (F4), TinyTim_243 (C1), Tonenili_267 (C1), Toron_106 (F6), Tortoise16_243 (C1), Trinitium_241 (C1), Turret_236 (C1), ValleyTerrace_246 (C1), Vortrix_263 (C1), Wally_243 (C1), Willis_246 (C1), Yassified_241 (C1), YemiJoy2021_246 (C1), Yucca_245 (C1), Zalkecks_244 (C1), Zeenon_246 (C1), ZygoTaiga_241 (C1), phiAsp2_35 (singleton),

Start 70:
• Found in 37 of 585 (6.3%) of genes in pham
• Manual Annotations of this start: 35 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_36 (O), Ashwin_37 (O), Blessica_37 (O), Bora_33 (O), Catdawg_36 (O), Che9c_83 (I2), Corndog_38 (O), Dylan_35 (O), Familton_37 (O), Firecracker_36 (O), FoulBall_36 (O), Idergollasper_36 (O), Imara_36 (O), JangDynasty_36 (O), KingPhillip3_36 (O), Krili_35 (O), MadKillah_37 (O), Mori_35 (O), Murai_36 (O), NiebruSaylor_35 (O), Ryadel_39 (O), Sbash_88 (I2), SchoolBus_36 (O), Schuy_37 (O), Shida_36 (O), Smooch_38 (O), Stuck_84 (I2), TelAviv_33 (O), Vagabond_36 (O), Vorrps_35 (O), Wildflower_36 (O), Winget_37 (O), Wogge42_35 (O), YoyoKar_34 (O), YungJamal_39 (O), Zakhe101_36 (O), Zebo_36 (O),

Start 72:
• Found in 3 of 585 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 531
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MooMoo_96 (singleton), QueenHazel_72 (I1), Xula_73 (I1),

Start 89:
• Found in 281 of 585 (48.0%) of genes in pham
• Manual Annotations of this start: 1 of 531
• Called 0.4% of time when present
• Phage (with cluster) where this start called: UncleRicky_105 (F1),

Summary by clusters:

There are 23 clusters represented in this pham: singleton, DK, AF, DS, DP, I1, I2, DU1, C1, AA, F, O, S, C2, UNK, DU2, F1, F2, F3, F4, F6, F7, F8,

Info for manual annotations of cluster AA:
•Start number 38 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AF:
•Start number 49 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster C1:
•Start number 63 was manually annotated 35 times for cluster C1.
•Start number 68 was manually annotated 156 times for cluster C1.

Info for manual annotations of cluster C2:
•Start number 63 was manually annotated 2 times for cluster C2.
•Start number 64 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster DK:
•Start number 62 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DP:
•Start number 58 was manually annotated 3 times for cluster DP.
•Start number 62 was manually annotated 3 times for cluster DP.

Info for manual annotations of cluster DS:
•Start number 62 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DU1:
•Start number 56 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 58 was manually annotated 4 times for cluster DU2.

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

Info for manual annotations of cluster F1:
•Start number 31 was manually annotated 1 time for cluster F1.
•Start number 53 was manually annotated 2 times for cluster F1.
•Start number 62 was manually annotated 38 times for cluster F1.
•Start number 65 was manually annotated 179 times for cluster F1.
•Start number 66 was manually annotated 18 times for cluster F1.
•Start number 89 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 62 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 65 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 68 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F7:
•Start number 65 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster I1:

•Start number 72 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 70 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster O:
•Start number 70 was manually annotated 32 times for cluster O.

Info for manual annotations of cluster S:
•Start number 61 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster UNK:
•Start number 63 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: Ablatia_244 Start: 134720, Stop: 135382, Start Num: 68
Candidate Starts for Ablatia_244:
(30, 134495), (45, 134618), (Start: 68 @134720 has 160 MA's), (74, 134735), (75, 134738), (87, 134786), (102, 134888), (103, 134891), (110, 134945), (112, 134954), (122, 135023), (124, 135029), (142, 135080), (143, 135086), (147, 135104), (149, 135116), (163, 135191), (174, 135248), (204, 135374),

Gene: Ading_247 Start: 137153, Stop: 137815, Start Num: 68
Candidate Starts for Ading_247:
(30, 136928), (45, 137051), (Start: 68 @137153 has 160 MA's), (74, 137168), (75, 137171), (87, 137219), (102, 137321), (103, 137324), (110, 137378), (112, 137387), (122, 137456), (124, 137462), (142, 137513), (143, 137519), (147, 137537), (149, 137549), (163, 137624), (174, 137681), (204, 137807),

Gene: Adlitam_245 Start: 135757, Stop: 136419, Start Num: 68
Candidate Starts for Adlitam_245:
(30, 135532), (45, 135655), (Start: 68 @135757 has 160 MA's), (74, 135772), (75, 135775), (87, 135823), (102, 135925), (103, 135928), (110, 135982), (112, 135991), (122, 136060), (124, 136066), (142, 136117), (143, 136123), (147, 136141), (149, 136153), (163, 136228), (174, 136285), (204, 136411),

Gene: Akhila_98 Start: 55160, Stop: 55783, Start Num: 65
Candidate Starts for Akhila_98:
(16, 54836), (21, 54863), (37, 54989), (43, 55058), (Start: 65 @55160 has 182 MA's), (75, 55181), (85, 55220), (87, 55229), (Start: 89 @55244 has 1 MA's), (98, 55292), (102, 55331), (112, 55397), (114, 55412), (148, 55550), (149, 55559),

Gene: Alexphander_104 Start: 57031, Stop: 57642, Start Num: 65
Candidate Starts for Alexphander_104:
(43, 56929), (Start: 65 @57031 has 182 MA's), (75, 57052), (85, 57091), (87, 57100), (Start: 89 @57115 has 1 MA's), (102, 57202), (112, 57268), (114, 57283), (149, 57430),

Gene: Alice_231 Start: 132844, Stop: 133506, Start Num: 63
Candidate Starts for Alice_231:

(Start: 63 @132844 has 38 MA's), (74, 132859), (75, 132862), (87, 132910), (97, 132970), (102, 133012), (103, 133015), (106, 133039), (110, 133069), (112, 133078), (122, 133147), (124, 133153), (142, 133204), (143, 133210), (147, 133228), (149, 133240), (163, 133315), (174, 133372), (204, 133498),

Gene: Alkhayr_36 Start: 18359, Stop: 18979, Start Num: 70
Candidate Starts for Alkhayr_36:
(11, 17966), (Start: 70 @18359 has 35 MA's), (75, 18377), (83, 18410), (87, 18425), (95, 18488), (102, 18533), (103, 18536), (115, 18617), (120, 18659), (141, 18722), (143, 18737), (145, 18743), (163, 18845), (176, 18896),

Gene: Aloeri_95 Start: 55826, Stop: 56437, Start Num: 65
Candidate Starts for Aloeri_95:
(42, 55715), (43, 55724), (Start: 65 @55826 has 182 MA's), (75, 55847), (85, 55886), (87, 55895), (Start: 89 @55910 has 1 MA's), (98, 55958), (102, 55997), (112, 56063), (114, 56078), (148, 56216), (149, 56225),

Gene: AlpineSix_101 Start: 55627, Stop: 56250, Start Num: 62
Candidate Starts for AlpineSix_101:
(Start: 62 @55627 has 55 MA's), (84, 55684), (85, 55687), (Start: 89 @55711 has 1 MA's), (98, 55759), (102, 55798), (103, 55801), (149, 56026),

Gene: Amataga_246 Start: 134756, Stop: 135418, Start Num: 68
Candidate Starts for Amataga_246:
(30, 134531), (45, 134654), (Start: 68 @134756 has 160 MA's), (74, 134771), (75, 134774), (87, 134822), (102, 134924), (103, 134927), (110, 134981), (112, 134990), (122, 135059), (124, 135065), (142, 135116), (143, 135122), (147, 135140), (149, 135152), (163, 135227), (174, 135284), (204, 135410),

Gene: ArcherS7_246 Start: 136501, Stop: 137163, Start Num: 68
Candidate Starts for ArcherS7_246:
(30, 136276), (45, 136399), (Start: 68 @136501 has 160 MA's), (74, 136516), (75, 136519), (87, 136567), (102, 136669), (103, 136672), (110, 136726), (112, 136735), (122, 136804), (124, 136810), (142, 136861), (143, 136867), (147, 136885), (149, 136897), (163, 136972), (174, 137029), (204, 137155),

Gene: ArcusAngelus_104 Start: 57478, Stop: 58101, Start Num: 65
Candidate Starts for ArcusAngelus_104:
(43, 57376), (Start: 65 @57478 has 182 MA's), (75, 57499), (85, 57538), (87, 57547), (Start: 89 @57562 has 1 MA's), (98, 57610), (102, 57649), (112, 57715), (114, 57730), (149, 57877), (172, 58000),

Gene: Ardmore_87 Start: 50878, Stop: 51672, Start Num: 37
Candidate Starts for Ardmore_87:
(16, 50725), (21, 50752), (37, 50878), (43, 50947), (Start: 65 @51049 has 182 MA's), (75, 51070), (85, 51109), (87, 51118), (Start: 89 @51133 has 1 MA's), (98, 51181), (102, 51220), (112, 51286), (114, 51301), (149, 51448), (172, 51571),

Gene: Ashwin_37 Start: 18369, Stop: 18989, Start Num: 70
Candidate Starts for Ashwin_37:
(Start: 70 @18369 has 35 MA's), (75, 18387), (83, 18420), (87, 18435), (95, 18498), (102, 18543), (103, 18546), (115, 18627), (120, 18669), (141, 18732), (143, 18747), (145, 18753), (163, 18855), (176, 18906),

Gene: Asterius_245 Start: 135165, Stop: 135827, Start Num: 68
Candidate Starts for Asterius_245:
(30, 134940), (45, 135063), (Start: 68 @135165 has 160 MA's), (74, 135180), (75, 135183), (87, 135231), (102, 135333), (103, 135336), (110, 135390), (112, 135399), (122, 135468), (124, 135474), (142, 135525), (143, 135531), (147, 135549), (149, 135561), (163, 135636), (174, 135693), (204, 135819),

Gene: Astraea_240 Start: 134360, Stop: 135022, Start Num: 68
Candidate Starts for Astraea_240:
(30, 134135), (45, 134258), (Start: 68 @134360 has 160 MA's), (74, 134375), (75, 134378), (87, 134426), (102, 134528), (103, 134531), (110, 134585), (112, 134594), (122, 134663), (124, 134669), (142, 134720), (143, 134726), (147, 134744), (149, 134756), (163, 134831), (174, 134888), (204, 135014),

Gene: Atlantean_245 Start: 134756, Stop: 135418, Start Num: 68
Candidate Starts for Atlantean_245:
(30, 134531), (45, 134654), (Start: 68 @134756 has 160 MA's), (74, 134771), (75, 134774), (87, 134822), (102, 134924), (103, 134927), (110, 134981), (112, 134990), (122, 135059), (124, 135065), (142, 135116), (143, 135122), (147, 135140), (149, 135152), (163, 135227), (174, 135284), (204, 135410),

Gene: Aubs_103 Start: 57575, Stop: 58198, Start Num: 65
Candidate Starts for Aubs_103:
(37, 57404), (41, 57458), (43, 57473), (Start: 65 @57575 has 182 MA's), (75, 57596), (85, 57635), (87, 57644), (Start: 89 @57659 has 1 MA's), (98, 57707), (102, 57746), (112, 57812), (114, 57827), (148, 57965), (149, 57974),

Gene: Audrick_248 Start: 134646, Stop: 135308, Start Num: 68
Candidate Starts for Audrick_248:
(30, 134421), (45, 134544), (Start: 68 @134646 has 160 MA's), (74, 134661), (75, 134664), (87, 134712), (102, 134814), (103, 134817), (110, 134871), (112, 134880), (122, 134949), (124, 134955), (142, 135006), (143, 135012), (147, 135030), (149, 135042), (163, 135117), (174, 135174), (204, 135300),

Gene: Ava3_242 Start: 135216, Stop: 135878, Start Num: 68
Candidate Starts for Ava3_242:
(23, 134928), (24, 134931), (32, 134994), (45, 135114), (Start: 68 @135216 has 160 MA's), (74, 135231), (75, 135234), (87, 135282), (102, 135384), (103, 135387), (110, 135441), (112, 135450), (122, 135519), (124, 135525), (142, 135576), (143, 135582), (147, 135600), (149, 135612), (163, 135687), (174, 135744), (204, 135870),

Gene: Avani_107 Start: 53751, Stop: 54359, Start Num: 62
Candidate Starts for Avani_107:
(Start: 62 @53751 has 55 MA's), (79, 53796), (84, 53808), (98, 53883), (102, 53922), (149, 54150), (192, 54348),

Gene: Awesomesauce_95 Start: 56351, Stop: 56962, Start Num: 65
Candidate Starts for Awesomesauce_95:
(41, 56234), (42, 56240), (43, 56249), (Start: 65 @56351 has 182 MA's), (85, 56411), (Start: 89 @56435 has 1 MA's), (98, 56483), (114, 56603), (149, 56750),

Gene: Babyland_248 Start: 135533, Stop: 136195, Start Num: 68

Candidate Starts for Babyland_248:
(30, 135308), (45, 135431), (Start: 68 @135533 has 160 MA's), (74, 135548), (75, 135551), (87, 135599), (102, 135701), (103, 135704), (110, 135758), (112, 135767), (122, 135836), (124, 135842), (142, 135893), (143, 135899), (147, 135917), (149, 135929), (163, 136004), (174, 136061), (204, 136187),

Gene: BackyardAgain_240 Start: 132906, Stop: 133568, Start Num: 68
Candidate Starts for BackyardAgain_240:
(30, 132681), (45, 132804), (Start: 68 @132906 has 160 MA's), (74, 132921), (75, 132924), (87, 132972), (102, 133074), (103, 133077), (110, 133131), (112, 133140), (122, 133209), (124, 133215), (142, 133266), (143, 133272), (147, 133290), (149, 133302), (163, 133377), (174, 133434), (204, 133560),

Gene: BadAgartude_239 Start: 134858, Stop: 135520, Start Num: 68
Candidate Starts for BadAgartude_239:
(30, 134633), (45, 134756), (Start: 68 @134858 has 160 MA's), (74, 134873), (75, 134876), (87, 134924), (102, 135026), (103, 135029), (110, 135083), (112, 135092), (122, 135161), (124, 135167), (142, 135218), (143, 135224), (147, 135242), (149, 135254), (163, 135329), (174, 135386), (204, 135512),

Gene: BananaFence_242 Start: 134989, Stop: 135651, Start Num: 68
Candidate Starts for BananaFence_242:
(30, 134764), (45, 134887), (Start: 68 @134989 has 160 MA's), (74, 135004), (75, 135007), (87, 135055), (102, 135157), (103, 135160), (110, 135214), (112, 135223), (122, 135292), (124, 135298), (142, 135349), (143, 135355), (147, 135373), (149, 135385), (163, 135460), (174, 135517), (204, 135643),

Gene: Bangla1971_246 Start: 135465, Stop: 136127, Start Num: 68
Candidate Starts for Bangla1971_246:
(30, 135240), (45, 135363), (Start: 68 @135465 has 160 MA's), (74, 135480), (75, 135483), (87, 135531), (102, 135633), (103, 135636), (110, 135690), (112, 135699), (122, 135768), (124, 135774), (142, 135825), (143, 135831), (147, 135849), (149, 135861), (163, 135936), (174, 135993), (204, 136119),

Gene: Basquiat_242 Start: 133275, Stop: 133937, Start Num: 68
Candidate Starts for Basquiat_242:
(30, 133050), (45, 133173), (Start: 68 @133275 has 160 MA's), (74, 133290), (75, 133293), (87, 133341), (102, 133443), (103, 133446), (110, 133500), (112, 133509), (122, 133578), (124, 133584), (142, 133635), (143, 133641), (147, 133659), (149, 133671), (163, 133746), (174, 133803), (204, 133929),

Gene: Batiatus_104 Start: 56646, Stop: 57269, Start Num: 65
Candidate Starts for Batiatus_104:
(37, 56475), (43, 56544), (Start: 65 @56646 has 182 MA's), (75, 56667), (85, 56706), (87, 56715), (Start: 89 @56730 has 1 MA's), (102, 56817), (112, 56883), (114, 56898), (149, 57045), (172, 57168),

Gene: Beakin_99 Start: 54220, Stop: 54834, Start Num: 62
Candidate Starts for Beakin_99:
(44, 54109), (Start: 62 @54220 has 55 MA's), (85, 54283), (Start: 89 @54307 has 1 MA's), (98, 54355), (102, 54394), (112, 54460), (114, 54475), (149, 54622),

Gene: BeanWater_238 Start: 134602, Stop: 135264, Start Num: 68
Candidate Starts for BeanWater_238:

(30, 134377), (45, 134500), (Start: 68 @134602 has 160 MA's), (74, 134617), (75, 134620), (87, 134668), (102, 134770), (103, 134773), (110, 134827), (112, 134836), (122, 134905), (124, 134911), (142, 134962), (143, 134968), (147, 134986), (149, 134998), (163, 135073), (174, 135130), (204, 135256),

Gene: Beanstalk_104 Start: 55749, Stop: 56360, Start Num: 65
Candidate Starts for Beanstalk_104:
(15, 55425), (37, 55578), (43, 55647), (Start: 65 @55749 has 182 MA's), (75, 55770), (85, 55809), (87, 55818), (Start: 89 @55833 has 1 MA's), (102, 55920), (112, 55986), (114, 56001), (149, 56148),

Gene: Beelzebub_93 Start: 47558, Stop: 48220, Start Num: 61
Candidate Starts for Beelzebub_93:
(Start: 61 @47558 has 20 MA's), (79, 47606), (Start: 89 @47645 has 1 MA's), (98, 47693), (102, 47729), (106, 47756), (112, 47795), (113, 47816), (142, 47945), (157, 48026), (163, 48059), (165, 48080), (166, 48083), (184, 48149), (190, 48182), (197, 48209),

Gene: Belieber_237 Start: 133402, Stop: 134064, Start Num: 68
Candidate Starts for Belieber_237:
(30, 133177), (45, 133300), (Start: 68 @133402 has 160 MA's), (74, 133417), (75, 133420), (87, 133468), (102, 133570), (103, 133573), (110, 133627), (112, 133636), (122, 133705), (124, 133711), (142, 133762), (143, 133768), (147, 133786), (149, 133798), (163, 133873), (174, 133930), (204, 134056),

Gene: Bezza_239 Start: 134301, Stop: 134963, Start Num: 68
Candidate Starts for Bezza_239:
(30, 134076), (45, 134199), (Start: 68 @134301 has 160 MA's), (74, 134316), (75, 134319), (87, 134367), (102, 134469), (103, 134472), (110, 134526), (112, 134535), (122, 134604), (124, 134610), (142, 134661), (143, 134667), (147, 134685), (149, 134697), (163, 134772), (174, 134829), (204, 134955),

Gene: BigCity_253 Start: 137362, Stop: 138024, Start Num: 68
Candidate Starts for BigCity_253:
(30, 137137), (45, 137260), (Start: 68 @137362 has 160 MA's), (74, 137377), (75, 137380), (87, 137428), (102, 137530), (103, 137533), (106, 137557), (110, 137587), (112, 137596), (122, 137665), (124, 137671), (142, 137722), (143, 137728), (147, 137746), (149, 137758), (163, 137833), (174, 137890), (204, 138016),

Gene: BigPhil_100 Start: 52915, Stop: 53526, Start Num: 65
Candidate Starts for BigPhil_100:
(43, 52813), (Start: 65 @52915 has 182 MA's), (75, 52936), (85, 52975), (87, 52984), (Start: 89 @52999 has 1 MA's), (112, 53152), (114, 53167), (149, 53314),

Gene: Bigswole_250 Start: 137267, Stop: 137929, Start Num: 63
Candidate Starts for Bigswole_250:
(23, 137048), (24, 137051), (32, 137114), (45, 137234), (Start: 63 @137267 has 38 MA's), (74, 137282), (75, 137285), (87, 137333), (102, 137435), (103, 137438), (110, 137492), (112, 137501), (122, 137570), (124, 137576), (142, 137627), (143, 137633), (147, 137651), (149, 137663), (163, 137738), (174, 137795), (204, 137921),

Gene: Bipolar_105 Start: 57892, Stop: 58515, Start Num: 65
Candidate Starts for Bipolar_105:
(43, 57790), (Start: 65 @57892 has 182 MA's), (75, 57913), (85, 57952), (87, 57961), (Start: 89 @57976 has 1 MA's), (98, 58024), (102, 58063), (112, 58129), (114, 58144), (149, 58291), (172,

58414),

Gene: Bipolarisk_243 Start: 135484, Stop: 136146, Start Num: 68
Candidate Starts for Bipolarisk_243:
(23, 135196), (24, 135199), (32, 135262), (45, 135382), (Start: 68 @135484 has 160 MA's), (74, 135499), (75, 135502), (87, 135550), (102, 135652), (103, 135655), (110, 135709), (112, 135718), (122, 135787), (124, 135793), (142, 135844), (143, 135850), (147, 135868), (149, 135880), (163, 135955), (174, 136012), (204, 136138),

Gene: Blackbeetle_89 Start: 46919, Stop: 47581, Start Num: 61
Candidate Starts for Blackbeetle_89:
(Start: 61 @46919 has 20 MA's), (79, 46967), (Start: 89 @47006 has 1 MA's), (98, 47054), (102, 47090), (106, 47117), (112, 47156), (113, 47177), (142, 47306), (157, 47387), (163, 47420), (165, 47441), (166, 47444), (184, 47510), (190, 47543), (197, 47570),

Gene: Blackbrain_243 Start: 135052, Stop: 135714, Start Num: 68
Candidate Starts for Blackbrain_243:
(30, 134827), (45, 134950), (Start: 68 @135052 has 160 MA's), (74, 135067), (75, 135070), (87, 135118), (102, 135220), (103, 135223), (110, 135277), (112, 135286), (122, 135355), (124, 135361), (142, 135412), (143, 135418), (147, 135436), (149, 135448), (163, 135523), (174, 135580), (204, 135706),

Gene: Blackdragon_240 Start: 135089, Stop: 135751, Start Num: 68
Candidate Starts for Blackdragon_240:
(30, 134864), (45, 134987), (Start: 68 @135089 has 160 MA's), (74, 135104), (75, 135107), (87, 135155), (102, 135257), (103, 135260), (110, 135314), (112, 135323), (122, 135392), (124, 135398), (142, 135449), (143, 135455), (147, 135473), (149, 135485), (163, 135560), (174, 135617), (204, 135743),

Gene: Blarby_109 Start: 54578, Stop: 55180, Start Num: 62
Candidate Starts for Blarby_109:
(Start: 62 @54578 has 55 MA's), (79, 54623), (84, 54635), (98, 54710), (102, 54749), (103, 54752), (149, 54977), (192, 55169),

Gene: Blessica_37 Start: 18760, Stop: 19380, Start Num: 70
Candidate Starts for Blessica_37:
(11, 18367), (Start: 70 @18760 has 35 MA's), (75, 18778), (83, 18811), (87, 18826), (95, 18889), (102, 18934), (103, 18937), (115, 19018), (120, 19060), (141, 19123), (143, 19138), (145, 19144), (163, 19246), (176, 19297),

Gene: Blexus_101 Start: 56948, Stop: 57574, Start Num: 62
Candidate Starts for Blexus_101:
(44, 56837), (Start: 62 @56948 has 55 MA's), (85, 57011), (Start: 89 @57035 has 1 MA's), (98, 57083), (102, 57122), (112, 57188), (114, 57203), (148, 57341), (149, 57350),

Gene: Blubba_232 Start: 138226, Stop: 138888, Start Num: 63
Candidate Starts for Blubba_232:
(23, 138007), (24, 138010), (32, 138073), (45, 138193), (Start: 63 @138226 has 38 MA's), (74, 138241), (75, 138244), (87, 138292), (102, 138394), (103, 138397), (110, 138451), (112, 138460), (122, 138529), (124, 138535), (142, 138586), (143, 138592), (147, 138610), (149, 138622), (163, 138697), (174, 138754), (204, 138880),

Gene: BlueCrab_108 Start: 58043, Stop: 58669, Start Num: 62

Candidate Starts for BlueCrab_108:
(44, 57932), (Start: 62 @58043 has 55 MA's), (85, 58106), (Start: 89 @58130 has 1 MA's), (148, 58436), (149, 58445),

Gene: BlueNGold_93 Start: 50776, Stop: 51393, Start Num: 62
Candidate Starts for BlueNGold_93:
(54, 50749), (Start: 62 @50776 has 55 MA's), (96, 50905), (114, 51031), (117, 51070), (149, 51190), (170, 51319), (187, 51376),

Gene: BobaPhatt_238 Start: 134170, Stop: 134832, Start Num: 68
Candidate Starts for BobaPhatt_238:
(30, 133945), (45, 134068), (Start: 68 @134170 has 160 MA's), (74, 134185), (75, 134188), (87, 134236), (102, 134338), (103, 134341), (110, 134395), (112, 134404), (122, 134473), (124, 134479), (142, 134530), (143, 134536), (147, 134554), (149, 134566), (163, 134641), (174, 134698), (204, 134824),

Gene: BobaPhett_107 Start: 58695, Stop: 59318, Start Num: 65
Candidate Starts for BobaPhett_107:
(43, 58593), (Start: 65 @58695 has 182 MA's), (75, 58716), (85, 58755), (87, 58764), (Start: 89 @58779 has 1 MA's), (112, 58932), (114, 58947), (149, 59094),

Gene: Bobi_107 Start: 58473, Stop: 59087, Start Num: 62
Candidate Starts for Bobi_107:
(44, 58362), (Start: 62 @58473 has 55 MA's), (85, 58536), (Start: 89 @58560 has 1 MA's), (149, 58875),

Gene: BodEinwohner17_115 Start: 59099, Stop: 59725, Start Num: 62
Candidate Starts for BodEinwohner17_115:
(44, 58988), (Start: 62 @59099 has 55 MA's), (85, 59162), (Start: 89 @59186 has 1 MA's), (149, 59501),

Gene: Bonray_247 Start: 136852, Stop: 137514, Start Num: 68
Candidate Starts for Bonray_247:
(23, 136564), (24, 136567), (32, 136630), (45, 136750), (Start: 68 @136852 has 160 MA's), (74, 136867), (75, 136870), (87, 136918), (102, 137020), (103, 137023), (110, 137077), (112, 137086), (122, 137155), (124, 137161), (142, 137212), (143, 137218), (147, 137236), (149, 137248), (163, 137323), (174, 137380), (204, 137506),

Gene: Boomer_105 Start: 57336, Stop: 57947, Start Num: 65
Candidate Starts for Boomer_105:
(43, 57234), (Start: 65 @57336 has 182 MA's), (75, 57357), (85, 57396), (87, 57405), (Start: 89 @57420 has 1 MA's), (102, 57507), (112, 57573), (149, 57735),

Gene: Boopy_94 Start: 50788, Stop: 51405, Start Num: 62
Candidate Starts for Boopy_94:
(54, 50761), (Start: 62 @50788 has 55 MA's), (96, 50917), (114, 51043), (117, 51082), (149, 51202), (170, 51331), (187, 51388),

Gene: Bora_33 Start: 17822, Stop: 18442, Start Num: 70
Candidate Starts for Bora_33:
(11, 17429), (Start: 70 @17822 has 35 MA's), (75, 17840), (83, 17873), (87, 17888), (95, 17951), (102, 17996), (103, 17999), (115, 18080), (120, 18122), (141, 18185), (143, 18200), (145, 18206), (163, 18308), (176, 18359),

Gene: Bowman_246 Start: 135967, Stop: 136629, Start Num: 68
Candidate Starts for Bowman_246:
(30, 135742), (45, 135865), (Start: 68 @135967 has 160 MA's), (74, 135982), (75, 135985), (87, 136033), (102, 136135), (103, 136138), (110, 136192), (112, 136201), (122, 136270), (124, 136276), (142, 136327), (143, 136333), (147, 136351), (149, 136363), (163, 136438), (174, 136495), (204, 136621),

Gene: Bread_241 Start: 134859, Stop: 135521, Start Num: 68
Candidate Starts for Bread_241:
(30, 134634), (45, 134757), (Start: 68 @134859 has 160 MA's), (74, 134874), (75, 134877), (87, 134925), (102, 135027), (103, 135030), (110, 135084), (112, 135093), (122, 135162), (124, 135168), (142, 135219), (143, 135225), (147, 135243), (149, 135255), (163, 135330), (174, 135387), (204, 135513),

Gene: Breeniome_245 Start: 134256, Stop: 134918, Start Num: 63
Candidate Starts for Breeniome_245:
(23, 134037), (24, 134040), (32, 134103), (45, 134223), (Start: 63 @134256 has 38 MA's), (74, 134271), (75, 134274), (87, 134322), (102, 134424), (103, 134427), (110, 134481), (112, 134490), (122, 134559), (124, 134565), (142, 134616), (143, 134622), (147, 134640), (149, 134652), (163, 134727), (174, 134784), (204, 134910),

Gene: Brocalys_95 Start: 53660, Stop: 54283, Start Num: 65
Candidate Starts for Brocalys_95:
(43, 53558), (Start: 65 @53660 has 182 MA's), (75, 53681), (85, 53720), (87, 53729), (Start: 89 @53744 has 1 MA's), (98, 53792), (102, 53831), (112, 53897), (114, 53912), (149, 54059), (172, 54182),

Gene: Brookers_102 Start: 55866, Stop: 56477, Start Num: 65
Candidate Starts for Brookers_102:
(43, 55764), (Start: 65 @55866 has 182 MA's), (75, 55887), (85, 55926), (87, 55935), (Start: 89 @55950 has 1 MA's), (112, 56103), (114, 56118), (149, 56265),

Gene: Brushbloom_106 Start: 58043, Stop: 58657, Start Num: 62
Candidate Starts for Brushbloom_106:
(44, 57932), (Start: 62 @58043 has 55 MA's), (85, 58106), (Start: 89 @58130 has 1 MA's), (114, 58298), (149, 58445),

Gene: Bubbles123_99 Start: 56341, Stop: 56967, Start Num: 62
Candidate Starts for Bubbles123_99:
(44, 56230), (Start: 62 @56341 has 55 MA's), (85, 56404), (87, 56413), (Start: 89 @56428 has 1 MA's), (98, 56476), (102, 56515), (148, 56734), (149, 56743), (172, 56866),

Gene: Burrough_246 Start: 136629, Stop: 137291, Start Num: 68
Candidate Starts for Burrough_246:
(30, 136404), (45, 136527), (Start: 68 @136629 has 160 MA's), (74, 136644), (75, 136647), (87, 136695), (102, 136797), (103, 136800), (110, 136854), (112, 136863), (122, 136932), (124, 136938), (142, 136989), (143, 136995), (147, 137013), (149, 137025), (163, 137100), (174, 137157), (204, 137283),

Gene: Burwell21_98 Start: 56235, Stop: 56858, Start Num: 65
Candidate Starts for Burwell21_98:

(41, 56118), (42, 56124), (43, 56133), (Start: 65 @56235 has 182 MA's), (75, 56256), (85, 56295), (87, 56304), (Start: 89 @56319 has 1 MA's), (98, 56367), (102, 56406), (112, 56472), (114, 56487), (148, 56625), (149, 56634), (172, 56757),

Gene: BuzzLyseyear_110 Start: 58716, Stop: 59327, Start Num: 65
Candidate Starts for BuzzLyseyear_110:
(13, 58383), (18, 58404), (19, 58407), (37, 58545), (43, 58614), (Start: 65 @58716 has 182 MA's), (85, 58776), (87, 58785), (Start: 89 @58800 has 1 MA's), (98, 58848), (102, 58887), (103, 58890), (114, 58968), (149, 59115),

Gene: Bxz1_231 Start: 136834, Stop: 137496, Start Num: 68
Candidate Starts for Bxz1_231:
(30, 136609), (45, 136732), (Start: 68 @136834 has 160 MA's), (74, 136849), (75, 136852), (87, 136900), (102, 137002), (103, 137005), (110, 137059), (112, 137068), (122, 137137), (124, 137143), (142, 137194), (143, 137200), (147, 137218), (149, 137230), (163, 137305), (174, 137362), (204, 137488),

Gene: ByChance_94 Start: 52032, Stop: 52655, Start Num: 65
Candidate Starts for ByChance_94:
(41, 51915), (42, 51921), (43, 51930), (Start: 65 @52032 has 182 MA's), (85, 52092), (87, 52101), (Start: 89 @52116 has 1 MA's), (148, 52422), (149, 52431),

Gene: Byougenkin_100 Start: 53567, Stop: 54217, Start Num: 53
Candidate Starts for Byougenkin_100:
(48, 53516), (52, 53558), (Start: 53 @53567 has 2 MA's), (Start: 66 @53594 has 18 MA's), (85, 53654), (Start: 89 @53678 has 1 MA's), (114, 53846), (149, 53993),

Gene: Cabrinians_100 Start: 55579, Stop: 56202, Start Num: 65
Candidate Starts for Cabrinians_100:
(Start: 65 @55579 has 182 MA's), (75, 55600), (85, 55639), (87, 55648), (Start: 89 @55663 has 1 MA's), (98, 55711), (102, 55750), (112, 55816), (114, 55831), (149, 55978), (172, 56101),

Gene: Cactojaque_239 Start: 133998, Stop: 134660, Start Num: 68
Candidate Starts for Cactojaque_239:
(30, 133773), (45, 133896), (Start: 68 @133998 has 160 MA's), (74, 134013), (75, 134016), (87, 134064), (102, 134166), (103, 134169), (110, 134223), (112, 134232), (122, 134301), (124, 134307), (142, 134358), (143, 134364), (147, 134382), (149, 134394), (163, 134469), (174, 134526), (204, 134652),

Gene: Cali_235 Start: 135227, Stop: 135889, Start Num: 68
Candidate Starts for Cali_235:
(30, 135002), (45, 135125), (Start: 68 @135227 has 160 MA's), (74, 135242), (75, 135245), (87, 135293), (102, 135395), (103, 135398), (110, 135452), (112, 135461), (122, 135530), (124, 135536), (142, 135587), (143, 135593), (147, 135611), (149, 135623), (163, 135698), (174, 135755), (204, 135881),

Gene: Cane17_234 Start: 138635, Stop: 139297, Start Num: 63
Candidate Starts for Cane17_234:
(23, 138416), (24, 138419), (32, 138482), (45, 138602), (Start: 63 @138635 has 38 MA's), (74, 138650), (75, 138653), (87, 138701), (102, 138803), (103, 138806), (110, 138860), (112, 138869), (122, 138938), (124, 138944), (142, 138995), (143, 139001), (147, 139019), (149, 139031), (163, 139106), (174, 139163), (204, 139289),

Gene: Capablanca_250 Start: 137480, Stop: 138142, Start Num: 68
Candidate Starts for Capablanca_250:
(23, 137192), (24, 137195), (32, 137258), (45, 137378), (Start: 68 @137480 has 160 MA's), (74, 137495), (75, 137498), (87, 137546), (102, 137648), (103, 137651), (110, 137705), (112, 137714), (122, 137783), (124, 137789), (142, 137840), (143, 137846), (147, 137864), (149, 137876), (163, 137951), (174, 138008), (204, 138134),

Gene: Caprice_88 Start: 46857, Stop: 47519, Start Num: 61
Candidate Starts for Caprice_88:
(Start: 61 @46857 has 20 MA's), (79, 46905), (Start: 89 @46944 has 1 MA's), (98, 46992), (102, 47028), (106, 47055), (112, 47094), (113, 47115), (142, 47244), (157, 47325), (163, 47358), (165, 47379), (166, 47382), (190, 47481), (197, 47508),

Gene: CaptainTrips_106 Start: 56237, Stop: 56860, Start Num: 65
Candidate Starts for CaptainTrips_106:
(16, 55913), (21, 55940), (37, 56066), (43, 56135), (Start: 65 @56237 has 182 MA's), (75, 56258), (85, 56297), (87, 56306), (Start: 89 @56321 has 1 MA's), (98, 56369), (102, 56408), (112, 56474), (114, 56489), (148, 56627), (149, 56636), (172, 56759),

Gene: Caravan_235 Start: 135567, Stop: 136229, Start Num: 68
Candidate Starts for Caravan_235:
(30, 135342), (45, 135465), (Start: 68 @135567 has 160 MA's), (74, 135582), (75, 135585), (87, 135633), (102, 135735), (103, 135738), (110, 135792), (112, 135801), (122, 135870), (124, 135876), (142, 135927), (143, 135933), (147, 135951), (149, 135963), (163, 136038), (174, 136095), (204, 136221),

Gene: Catdawg_36 Start: 18449, Stop: 19069, Start Num: 70
Candidate Starts for Catdawg_36:
(11, 18056), (Start: 70 @18449 has 35 MA's), (75, 18467), (83, 18500), (87, 18515), (95, 18578), (102, 18623), (103, 18626), (115, 18707), (120, 18749), (141, 18812), (143, 18827), (145, 18833), (163, 18935), (176, 18986),

Gene: Catera_234 Start: 133969, Stop: 134631, Start Num: 68
Candidate Starts for Catera_234:
(30, 133744), (45, 133867), (Start: 68 @133969 has 160 MA's), (74, 133984), (75, 133987), (87, 134035), (102, 134137), (103, 134140), (110, 134194), (112, 134203), (122, 134272), (124, 134278), (142, 134329), (143, 134335), (147, 134353), (149, 134365), (163, 134440), (174, 134497), (204, 134623),

Gene: Cerasum_102 Start: 52933, Stop: 53544, Start Num: 65
Candidate Starts for Cerasum_102:
(43, 52831), (Start: 65 @52933 has 182 MA's), (75, 52954), (85, 52993), (87, 53002), (Start: 89 @53017 has 1 MA's), (112, 53170), (114, 53185), (149, 53332),

Gene: Chargie21_242 Start: 133275, Stop: 133937, Start Num: 68
Candidate Starts for Chargie21_242:
(30, 133050), (45, 133173), (Start: 68 @133275 has 160 MA's), (74, 133290), (75, 133293), (87, 133341), (102, 133443), (103, 133446), (110, 133500), (112, 133509), (122, 133578), (124, 133584), (142, 133635), (143, 133641), (147, 133659), (149, 133671), (163, 133746), (174, 133803), (204, 133929),

Gene: CharlieB_240 Start: 134993, Stop: 135655, Start Num: 68
Candidate Starts for CharlieB_240:

(30, 134768), (45, 134891), (Start: 68 @134993 has 160 MA's), (74, 135008), (75, 135011), (87, 135059), (102, 135161), (103, 135164), (110, 135218), (112, 135227), (122, 135296), (124, 135302), (142, 135353), (143, 135359), (147, 135377), (149, 135389), (163, 135464), (174, 135521), (204, 135647),

Gene: ChaylaJr_244 Start: 134666, Stop: 135328, Start Num: 68
Candidate Starts for ChaylaJr_244:
(30, 134441), (45, 134564), (Start: 68 @134666 has 160 MA's), (74, 134681), (75, 134684), (87, 134732), (102, 134834), (103, 134837), (110, 134891), (112, 134900), (122, 134969), (124, 134975), (142, 135026), (143, 135032), (147, 135050), (149, 135062), (163, 135137), (174, 135194), (204, 135320),

Gene: Che8_110 Start: 58038, Stop: 58673, Start Num: 62
Candidate Starts for Che8_110:
(Start: 62 @58038 has 55 MA's), (Start: 68 @58050 has 160 MA's), (85, 58110), (Start: 89 @58134 has 1 MA's), (149, 58449),

Gene: Che9c_83 Start: 56006, Stop: 56632, Start Num: 70
Candidate Starts for Che9c_83:
(Start: 70 @56006 has 35 MA's), (145, 56390), (148, 56402), (164, 56498), (180, 56558), (192, 56615),

Gene: Che9d_111 Start: 55563, Stop: 56165, Start Num: 62
Candidate Starts for Che9d_111:
(Start: 62 @55563 has 55 MA's), (79, 55608), (84, 55620), (98, 55695), (102, 55734), (149, 55962), (192, 56154),

Gene: Cheesepuff_108 Start: 55960, Stop: 56583, Start Num: 65
Candidate Starts for Cheesepuff_108:
(41, 55843), (42, 55849), (43, 55858), (Start: 65 @55960 has 182 MA's), (75, 55981), (85, 56020), (87, 56029), (Start: 89 @56044 has 1 MA's), (98, 56092), (102, 56131), (112, 56197), (114, 56212), (149, 56359), (172, 56482),

Gene: Chevrolet_108 Start: 57479, Stop: 58102, Start Num: 65
Candidate Starts for Chevrolet_108:
(43, 57377), (Start: 65 @57479 has 182 MA's), (75, 57500), (85, 57539), (87, 57548), (Start: 89 @57563 has 1 MA's), (98, 57611), (102, 57650), (112, 57716), (114, 57731), (149, 57878), (172, 58001),

Gene: ChickenDinner_94 Start: 55826, Stop: 56437, Start Num: 65
Candidate Starts for ChickenDinner_94:
(42, 55715), (43, 55724), (Start: 65 @55826 has 182 MA's), (75, 55847), (85, 55886), (87, 55895), (Start: 89 @55910 has 1 MA's), (98, 55958), (102, 55997), (112, 56063), (114, 56078), (148, 56216), (149, 56225),

Gene: ChickenPhender_241 Start: 133422, Stop: 134084, Start Num: 68
Candidate Starts for ChickenPhender_241:
(30, 133197), (45, 133320), (Start: 68 @133422 has 160 MA's), (74, 133437), (75, 133440), (87, 133488), (102, 133590), (103, 133593), (110, 133647), (112, 133656), (122, 133725), (124, 133731), (142, 133782), (143, 133788), (147, 133806), (149, 133818), (163, 133893), (174, 133950), (204, 134076),

Gene: Chomp_244 Start: 136858, Stop: 137520, Start Num: 68
Candidate Starts for Chomp_244:

(30, 136633), (45, 136756), (Start: 68 @136858 has 160 MA's), (74, 136873), (75, 136876), (87, 136924), (102, 137026), (103, 137029), (110, 137083), (112, 137092), (122, 137161), (124, 137167), (142, 137218), (143, 137224), (147, 137242), (149, 137254), (163, 137329), (174, 137386), (204, 137512),

Gene: Chuckly_101 Start: 53326, Stop: 53949, Start Num: 65
Candidate Starts for Chuckly_101:
(37, 53155), (43, 53224), (Start: 65 @53326 has 182 MA's), (75, 53347), (85, 53386), (87, 53395), (Start: 89 @53410 has 1 MA's), (98, 53458), (102, 53497), (112, 53563), (114, 53578), (149, 53725), (172, 53848),

Gene: CindyLou_246 Start: 137118, Stop: 137780, Start Num: 68
Candidate Starts for CindyLou_246:
(30, 136893), (45, 137016), (Start: 68 @137118 has 160 MA's), (74, 137133), (75, 137136), (87, 137184), (102, 137286), (103, 137289), (110, 137343), (112, 137352), (122, 137421), (124, 137427), (142, 137478), (143, 137484), (147, 137502), (149, 137514), (163, 137589), (174, 137646), (204, 137772),

Gene: Clank_103 Start: 54536, Stop: 55162, Start Num: 62
Candidate Starts for Clank_103:
(44, 54425), (Start: 62 @54536 has 55 MA's), (85, 54599), (87, 54608), (Start: 89 @54623 has 1 MA's), (102, 54710), (112, 54776), (114, 54791), (149, 54938), (172, 55061),

Gene: Clarkson_90 Start: 47238, Stop: 47900, Start Num: 61
Candidate Starts for Clarkson_90:
(Start: 61 @47238 has 20 MA's), (79, 47286), (Start: 89 @47325 has 1 MA's), (98, 47373), (102, 47409), (106, 47436), (112, 47475), (113, 47496), (142, 47625), (157, 47706), (163, 47739), (165, 47760), (166, 47763), (184, 47829), (190, 47862), (197, 47889),

Gene: Cleatunium_236 Start: 134679, Stop: 135341, Start Num: 68
Candidate Starts for Cleatunium_236:
(23, 134391), (24, 134394), (32, 134457), (45, 134577), (Start: 68 @134679 has 160 MA's), (74, 134694), (75, 134697), (87, 134745), (102, 134847), (103, 134850), (110, 134904), (112, 134913), (122, 134982), (124, 134988), (142, 135039), (143, 135045), (147, 135063), (149, 135075), (163, 135150), (174, 135207), (204, 135333),

Gene: Clifton_95 Start: 54635, Stop: 55258, Start Num: 65
Candidate Starts for Clifton_95:
(43, 54533), (Start: 65 @54635 has 182 MA's), (75, 54656), (85, 54695), (87, 54704), (Start: 89 @54719 has 1 MA's), (98, 54767), (102, 54806), (112, 54872), (114, 54887), (149, 55034),

Gene: Coco12_104 Start: 56990, Stop: 57601, Start Num: 65
Candidate Starts for Coco12_104:
(43, 56888), (Start: 65 @56990 has 182 MA's), (75, 57011), (85, 57050), (87, 57059), (Start: 89 @57074 has 1 MA's), (112, 57227), (114, 57242), (149, 57389),

Gene: Colt_235 Start: 137866, Stop: 138528, Start Num: 63
Candidate Starts for Colt_235:
(23, 137647), (24, 137650), (32, 137713), (45, 137833), (Start: 63 @137866 has 38 MA's), (74, 137881), (75, 137884), (87, 137932), (102, 138034), (103, 138037), (110, 138091), (112, 138100), (122, 138169), (124, 138175), (142, 138226), (143, 138232), (147, 138250), (149, 138262), (163, 138337), (174, 138394), (204, 138520),

Gene: Concombre_250 Start: 137014, Stop: 137676, Start Num: 68
Candidate Starts for Concombre_250:
(30, 136789), (45, 136912), (Start: 68 @137014 has 160 MA's), (74, 137029), (75, 137032), (87, 137080), (102, 137182), (103, 137185), (110, 137239), (112, 137248), (122, 137317), (124, 137323), (142, 137374), (143, 137380), (147, 137398), (149, 137410), (163, 137485), (174, 137542), (204, 137668),

Gene: Corazon_84 Start: 47432, Stop: 48094, Start Num: 61
Candidate Starts for Corazon_84:
(Start: 61 @47432 has 20 MA's), (79, 47480), (Start: 89 @47519 has 1 MA's), (98, 47567), (102, 47603), (106, 47630), (112, 47669), (113, 47690), (142, 47819), (157, 47900), (163, 47933), (165, 47954), (166, 47957), (184, 48023), (190, 48056), (197, 48083),

Gene: Corium_103 Start: 58266, Stop: 58889, Start Num: 65
Candidate Starts for Corium_103:
(16, 57942), (37, 58095), (43, 58164), (Start: 65 @58266 has 182 MA's), (75, 58287), (85, 58326), (87, 58335), (Start: 89 @58350 has 1 MA's), (102, 58437), (112, 58503), (149, 58665), (172, 58788),

Gene: Corndog_38 Start: 18907, Stop: 19527, Start Num: 70
Candidate Starts for Corndog_38:
(11, 18514), (Start: 70 @18907 has 35 MA's), (75, 18925), (83, 18958), (87, 18973), (95, 19036), (102, 19081), (103, 19084), (115, 19165), (120, 19207), (141, 19270), (143, 19285), (145, 19291), (163, 19393), (176, 19444),

Gene: Cornucopia_105 Start: 54720, Stop: 55331, Start Num: 65
Candidate Starts for Cornucopia_105:
(Start: 65 @54720 has 182 MA's), (85, 54780), (87, 54789), (Start: 89 @54804 has 1 MA's), (98, 54852), (102, 54891), (112, 54957), (114, 54972), (149, 55119),

Gene: Crumble_98 Start: 52333, Stop: 52956, Start Num: 65
Candidate Starts for Crumble_98:
(41, 52216), (42, 52222), (43, 52231), (Start: 65 @52333 has 182 MA's), (75, 52354), (85, 52393), (87, 52402), (Start: 89 @52417 has 1 MA's), (98, 52465), (102, 52504), (149, 52732),

Gene: DLane_104 Start: 57808, Stop: 58431, Start Num: 65
Candidate Starts for DLane_104:
(16, 57484), (37, 57637), (43, 57706), (Start: 65 @57808 has 182 MA's), (75, 57829), (85, 57868), (87, 57877), (Start: 89 @57892 has 1 MA's), (98, 57940), (112, 58045), (114, 58060), (148, 58198), (149, 58207), (172, 58330),

Gene: DRBy19_103 Start: 57276, Stop: 57899, Start Num: 65
Candidate Starts for DRBy19_103:
(43, 57174), (Start: 65 @57276 has 182 MA's), (85, 57336), (Start: 89 @57360 has 1 MA's), (112, 57513), (114, 57528), (149, 57675),

Gene: DTDevon_246 Start: 137497, Stop: 138159, Start Num: 68
Candidate Starts for DTDevon_246:
(30, 137272), (45, 137395), (Start: 68 @137497 has 160 MA's), (74, 137512), (75, 137515), (87, 137563), (102, 137665), (103, 137668), (110, 137722), (112, 137731), (122, 137800), (124, 137806), (142, 137857), (143, 137863), (147, 137881), (149, 137893), (163, 137968), (174, 138025), (204, 138151),

Gene: DaWorst_103 Start: 56121, Stop: 56735, Start Num: 62

Candidate Starts for DaWorst_103:
(44, 56010), (Start: 62 @56121 has 55 MA's), (85, 56184), (Start: 89 @56208 has 1 MA's), (112, 56361), (114, 56376), (149, 56523),

Gene: DaddyRickover_105 Start: 56755, Stop: 57378, Start Num: 65
Candidate Starts for DaddyRickover_105:
(43, 56653), (Start: 65 @56755 has 182 MA's), (85, 56815), (Start: 89 @56839 has 1 MA's), (98, 56887), (149, 57154),

Gene: Daenerys_101 Start: 56922, Stop: 57545, Start Num: 65
Candidate Starts for Daenerys_101:
(43, 56820), (Start: 65 @56922 has 182 MA's), (85, 56982), (Start: 89 @57006 has 1 MA's), (98, 57054), (149, 57321),

Gene: Daffodil_251 Start: 135784, Stop: 136446, Start Num: 68
Candidate Starts for Daffodil_251:
(23, 135496), (24, 135499), (32, 135562), (45, 135682), (Start: 68 @135784 has 160 MA's), (74, 135799), (75, 135802), (87, 135850), (102, 135952), (103, 135955), (110, 136009), (112, 136018), (122, 136087), (124, 136093), (142, 136144), (143, 136150), (147, 136168), (149, 136180), (163, 136255), (174, 136312), (204, 136438),

Gene: Dandelion_251 Start: 138318, Stop: 138980, Start Num: 63
Candidate Starts for Dandelion_251:
(23, 138099), (24, 138102), (32, 138165), (45, 138285), (Start: 63 @138318 has 38 MA's), (74, 138333), (75, 138336), (87, 138384), (102, 138486), (103, 138489), (110, 138543), (112, 138552), (122, 138621), (124, 138627), (142, 138678), (143, 138684), (147, 138702), (149, 138714), (163, 138789), (174, 138846), (204, 138972),

Gene: Dante_103 Start: 57783, Stop: 58406, Start Num: 65
Candidate Starts for Dante_103:
(37, 57612), (43, 57681), (Start: 65 @57783 has 182 MA's), (75, 57804), (85, 57843), (87, 57852), (Start: 89 @57867 has 1 MA's), (98, 57915), (102, 57954), (112, 58020), (114, 58035), (149, 58182), (172, 58305),

Gene: Darko_244 Start: 134993, Stop: 135655, Start Num: 68
Candidate Starts for Darko_244:
(30, 134768), (45, 134891), (Start: 68 @134993 has 160 MA's), (74, 135008), (75, 135011), (87, 135059), (102, 135161), (103, 135164), (110, 135218), (112, 135227), (122, 135296), (124, 135302), (142, 135353), (143, 135359), (147, 135377), (149, 135389), (163, 135464), (174, 135521), (204, 135647),

Gene: DeadP_106 Start: 55368, Stop: 55994, Start Num: 62
Candidate Starts for DeadP_106:
(44, 55257), (Start: 62 @55368 has 55 MA's), (85, 55431), (Start: 89 @55455 has 1 MA's), (102, 55542), (112, 55608), (149, 55770), (172, 55893),

Gene: Deb65_96 Start: 54646, Stop: 55269, Start Num: 65
Candidate Starts for Deb65_96:
(43, 54544), (Start: 65 @54646 has 182 MA's), (85, 54706), (Start: 89 @54730 has 1 MA's), (98, 54778), (149, 55045),

Gene: DeejaClivia_232 Start: 133225, Stop: 133887, Start Num: 63
Candidate Starts for DeejaClivia_232:

(23, 133006), (24, 133009), (32, 133072), (45, 133192), (Start: 63 @133225 has 38 MA's), (74, 133240), (75, 133243), (87, 133291), (97, 133351), (102, 133393), (103, 133396), (106, 133420), (110, 133450), (112, 133459), (122, 133528), (124, 133534), (142, 133585), (143, 133591), (149, 133621), (163, 133696), (174, 133753), (204, 133879),

Gene: Delilah_243 Start: 135877, Stop: 136539, Start Num: 68
Candidate Starts for Delilah_243:
(23, 135589), (24, 135592), (32, 135655), (45, 135775), (Start: 68 @135877 has 160 MA's), (74, 135892), (75, 135895), (87, 135943), (102, 136045), (103, 136048), (110, 136102), (112, 136111), (122, 136180), (124, 136186), (142, 136237), (143, 136243), (147, 136261), (149, 136273), (163, 136348), (174, 136405), (204, 136531),

Gene: Delylah_247 Start: 136191, Stop: 136853, Start Num: 68
Candidate Starts for Delylah_247:
(30, 135966), (45, 136089), (Start: 68 @136191 has 160 MA's), (74, 136206), (75, 136209), (87, 136257), (102, 136359), (103, 136362), (110, 136416), (112, 136425), (122, 136494), (124, 136500), (142, 136551), (143, 136557), (147, 136575), (149, 136587), (163, 136662), (174, 136719), (204, 136845),

Gene: Demodog_251 Start: 137024, Stop: 137686, Start Num: 68
Candidate Starts for Demodog_251:
(30, 136799), (45, 136922), (Start: 68 @137024 has 160 MA's), (74, 137039), (75, 137042), (87, 137090), (102, 137192), (103, 137195), (110, 137249), (112, 137258), (122, 137327), (124, 137333), (142, 137384), (143, 137390), (147, 137408), (149, 137420), (163, 137495), (174, 137552), (204, 137678),

Gene: Demsculpinboyz_117 Start: 56724, Stop: 57326, Start Num: 62
Candidate Starts for Demsculpinboyz_117:
(Start: 62 @56724 has 55 MA's), (87, 56793), (98, 56856), (102, 56895), (149, 57123), (192, 57315),

Gene: Derek_241 Start: 136135, Stop: 136797, Start Num: 68
Candidate Starts for Derek_241:
(30, 135910), (45, 136033), (Start: 68 @136135 has 160 MA's), (74, 136150), (75, 136153), (87, 136201), (102, 136303), (103, 136306), (110, 136360), (112, 136369), (122, 136438), (124, 136444), (142, 136495), (143, 136501), (147, 136519), (149, 136531), (163, 136606), (174, 136663), (204, 136789),

Gene: Dessert_246 Start: 135134, Stop: 135796, Start Num: 68
Candidate Starts for Dessert_246:
(30, 134909), (45, 135032), (Start: 68 @135134 has 160 MA's), (74, 135149), (75, 135152), (87, 135200), (102, 135302), (103, 135305), (110, 135359), (112, 135368), (122, 135437), (124, 135443), (142, 135494), (143, 135500), (147, 135518), (149, 135530), (163, 135605), (174, 135662), (204, 135788),

Gene: Dietrick_234 Start: 133998, Stop: 134660, Start Num: 68
Candidate Starts for Dietrick_234:
(30, 133773), (45, 133896), (Start: 68 @133998 has 160 MA's), (74, 134013), (75, 134016), (87, 134064), (102, 134166), (103, 134169), (110, 134223), (112, 134232), (122, 134301), (124, 134307), (142, 134358), (143, 134364), (147, 134382), (149, 134394), (163, 134469), (174, 134526), (204, 134652),

Gene: DillTech15_110 Start: 56707, Stop: 57330, Start Num: 65
Candidate Starts for DillTech15_110:

(16, 56383), (21, 56410), (37, 56536), (43, 56605), (Start: 65 @56707 has 182 MA's), (75, 56728), (85, 56767), (87, 56776), (Start: 89 @56791 has 1 MA's), (98, 56839), (102, 56878), (112, 56944), (149, 57106), (172, 57229),

Gene: DirtMcgirt_104 Start: 53690, Stop: 54304, Start Num: 62
Candidate Starts for DirtMcgirt_104:
(44, 53579), (Start: 62 @53690 has 55 MA's), (85, 53753), (Start: 89 @53777 has 1 MA's), (112, 53930), (114, 53945), (149, 54092),

Gene: DirtMonster_234 Start: 134731, Stop: 135393, Start Num: 63
Candidate Starts for DirtMonster_234:
(23, 134512), (24, 134515), (32, 134578), (45, 134698), (Start: 63 @134731 has 38 MA's), (74, 134746), (75, 134749), (87, 134797), (97, 134857), (102, 134899), (103, 134902), (106, 134926), (110, 134956), (112, 134965), (122, 135034), (124, 135040), (142, 135091), (143, 135097), (149, 135127), (163, 135202), (174, 135259), (204, 135385),

Gene: DoRead_107 Start: 55090, Stop: 55713, Start Num: 65
Candidate Starts for DoRead_107:
(17, 54775), (37, 54919), (43, 54988), (Start: 65 @55090 has 182 MA's), (75, 55111), (85, 55150), (87, 55159), (Start: 89 @55174 has 1 MA's), (98, 55222), (102, 55261), (112, 55327), (114, 55342), (149, 55489), (172, 55612),

Gene: DocMcStuffins_91 Start: 57456, Stop: 58067, Start Num: 65
Candidate Starts for DocMcStuffins_91:
(42, 57345), (43, 57354), (Start: 65 @57456 has 182 MA's), (75, 57477), (85, 57516), (87, 57525), (Start: 89 @57540 has 1 MA's), (98, 57588), (102, 57627), (112, 57693), (114, 57708), (148, 57846), (149, 57855),

Gene: Domi_239 Start: 135337, Stop: 135999, Start Num: 68
Candidate Starts for Domi_239:
(30, 135112), (45, 135235), (Start: 68 @135337 has 160 MA's), (74, 135352), (75, 135355), (87, 135403), (102, 135505), (103, 135508), (110, 135562), (112, 135571), (122, 135640), (124, 135646), (142, 135697), (143, 135703), (147, 135721), (149, 135733), (163, 135808), (174, 135865), (204, 135991),

Gene: Donkeykong_109 Start: 58387, Stop: 59010, Start Num: 65
Candidate Starts for Donkeykong_109:
(41, 58270), (42, 58276), (43, 58285), (Start: 65 @58387 has 182 MA's), (75, 58408), (85, 58447), (87, 58456), (Start: 89 @58471 has 1 MA's), (98, 58519), (102, 58558), (112, 58624), (114, 58639), (149, 58786), (172, 58909),

Gene: Doomphist_108 Start: 57575, Stop: 58198, Start Num: 65
Candidate Starts for Doomphist_108:
(9, 57137), (18, 57263), (19, 57266), (37, 57404), (43, 57473), (Start: 65 @57575 has 182 MA's), (85, 57635), (87, 57644), (Start: 89 @57659 has 1 MA's), (98, 57707), (102, 57746), (103, 57749), (112, 57812), (114, 57827), (148, 57965), (149, 57974),

Gene: Doomslug_123 Start: 59507, Stop: 60118, Start Num: 65
Candidate Starts for Doomslug_123:
(37, 59336), (43, 59405), (Start: 65 @59507 has 182 MA's), (75, 59528), (85, 59567), (87, 59576), (Start: 89 @59591 has 1 MA's), (98, 59639), (102, 59678), (112, 59744), (114, 59759), (149, 59906),

Gene: Dorothy_104 Start: 57744, Stop: 58367, Start Num: 65

Candidate Starts for Dorothy_104:
(43, 57642), (Start: 65 @57744 has 182 MA's), (85, 57804), (Start: 89 @57828 has 1 MA's), (98, 57876), (149, 58143),

Gene: DosHalletts_101 Start: 56859, Stop: 57470, Start Num: 65
Candidate Starts for DosHalletts_101:
(15, 56535), (37, 56688), (43, 56757), (Start: 65 @56859 has 182 MA's), (75, 56880), (85, 56919), (87, 56928), (Start: 89 @56943 has 1 MA's), (102, 57030), (149, 57258),

Gene: DotProduct_98 Start: 54272, Stop: 54895, Start Num: 65
Candidate Starts for DotProduct_98:
(43, 54170), (Start: 65 @54272 has 182 MA's), (75, 54293), (85, 54332), (87, 54341), (Start: 89 @54356 has 1 MA's), (98, 54404), (102, 54443), (112, 54509), (114, 54524), (148, 54662), (149, 54671), (172, 54794),

Gene: Doug_99 Start: 57306, Stop: 57929, Start Num: 65
Candidate Starts for Doug_99:
(43, 57204), (Start: 65 @57306 has 182 MA's), (85, 57366), (Start: 89 @57390 has 1 MA's), (149, 57705),

Gene: DrPhinkDaddy_242 Start: 136562, Stop: 137224, Start Num: 68
Candidate Starts for DrPhinkDaddy_242:
(23, 136274), (24, 136277), (32, 136340), (45, 136460), (Start: 68 @136562 has 160 MA's), (74, 136577), (75, 136580), (87, 136628), (102, 136730), (103, 136733), (110, 136787), (112, 136796), (122, 136865), (124, 136871), (142, 136922), (143, 136928), (147, 136946), (149, 136958), (163, 137033), (174, 137090), (204, 137216),

Gene: Drago_103 Start: 53705, Stop: 54319, Start Num: 62
Candidate Starts for Drago_103:
(44, 53594), (Start: 62 @53705 has 55 MA's), (85, 53768), (Start: 89 @53792 has 1 MA's), (112, 53945), (114, 53960), (149, 54107),

Gene: Drazdys_242 Start: 136142, Stop: 136804, Start Num: 68
Candidate Starts for Drazdys_242:
(30, 135917), (45, 136040), (Start: 68 @136142 has 160 MA's), (74, 136157), (75, 136160), (87, 136208), (102, 136310), (103, 136313), (110, 136367), (112, 136376), (122, 136445), (124, 136451), (142, 136502), (143, 136508), (147, 136526), (149, 136538), (163, 136613), (174, 136670), (204, 136796),

Gene: Duckfeet_239 Start: 134950, Stop: 135612, Start Num: 68
Candidate Starts for Duckfeet_239:
(30, 134725), (45, 134848), (Start: 68 @134950 has 160 MA's), (74, 134965), (75, 134968), (87, 135016), (102, 135118), (103, 135121), (110, 135175), (112, 135184), (122, 135253), (124, 135259), (142, 135310), (143, 135316), (147, 135334), (149, 135346), (163, 135421), (174, 135478), (204, 135604),

Gene: Dylan_35 Start: 18174, Stop: 18794, Start Num: 70
Candidate Starts for Dylan_35:
(11, 17781), (Start: 70 @18174 has 35 MA's), (75, 18192), (83, 18225), (87, 18240), (95, 18303), (102, 18348), (103, 18351), (115, 18432), (120, 18474), (141, 18537), (143, 18552), (145, 18558), (163, 18660), (176, 18711),

Gene: ET08_231 Start: 134477, Stop: 135139, Start Num: 68

Candidate Starts for ET08_231:
(23, 134189), (24, 134192), (32, 134255), (45, 134375), (Start: 68 @134477 has 160 MA's), (74, 134492), (75, 134495), (87, 134543), (102, 134645), (103, 134648), (110, 134702), (112, 134711), (122, 134780), (124, 134786), (142, 134837), (143, 134843), (147, 134861), (149, 134873), (163, 134948), (174, 135005), (204, 135131),

Gene: EasyJones_246 Start: 134518, Stop: 135180, Start Num: 68
Candidate Starts for EasyJones_246:
(30, 134293), (45, 134416), (Start: 68 @134518 has 160 MA's), (74, 134533), (75, 134536), (87, 134584), (102, 134686), (103, 134689), (110, 134743), (112, 134752), (122, 134821), (124, 134827), (142, 134878), (143, 134884), (147, 134902), (149, 134914), (163, 134989), (174, 135046), (204, 135172),

Gene: EggyFarm_253 Start: 137363, Stop: 138025, Start Num: 68
Candidate Starts for EggyFarm_253:
(30, 137138), (45, 137261), (Start: 68 @137363 has 160 MA's), (74, 137378), (75, 137381), (87, 137429), (102, 137531), (103, 137534), (106, 137558), (110, 137588), (112, 137597), (122, 137666), (124, 137672), (142, 137723), (143, 137729), (147, 137747), (149, 137759), (163, 137834), (174, 137891), (204, 138017),

Gene: Eish_108 Start: 57059, Stop: 57682, Start Num: 65
Candidate Starts for Eish_108:
(43, 56957), (Start: 65 @57059 has 182 MA's), (85, 57119), (Start: 89 @57143 has 1 MA's), (98, 57191), (102, 57230), (103, 57233), (149, 57458),

Gene: EleanorGeorge_107 Start: 58392, Stop: 59015, Start Num: 65
Candidate Starts for EleanorGeorge_107:
(43, 58290), (Start: 65 @58392 has 182 MA's), (75, 58413), (85, 58452), (87, 58461), (Start: 89 @58476 has 1 MA's), (102, 58563), (112, 58629), (114, 58644), (148, 58782), (149, 58791), (172, 58914),

Gene: EmToTheThree_245 Start: 135901, Stop: 136563, Start Num: 68
Candidate Starts for EmToTheThree_245:
(30, 135676), (45, 135799), (Start: 68 @135901 has 160 MA's), (74, 135916), (75, 135919), (87, 135967), (102, 136069), (103, 136072), (110, 136126), (112, 136135), (122, 136204), (124, 136210), (142, 136261), (143, 136267), (147, 136285), (149, 136297), (163, 136372), (174, 136429), (204, 136555),

Gene: EmiMonkey_91 Start: 57493, Stop: 58116, Start Num: 65
Candidate Starts for EmiMonkey_91:
(43, 57391), (Start: 65 @57493 has 182 MA's), (85, 57553), (87, 57562), (Start: 89 @57577 has 1 MA's), (98, 57625), (102, 57664), (112, 57730), (114, 57745), (149, 57892), (172, 58015),

Gene: Emma_108 Start: 55327, Stop: 55950, Start Num: 65
Candidate Starts for Emma_108:
(43, 55225), (Start: 65 @55327 has 182 MA's), (75, 55348), (85, 55387), (87, 55396), (Start: 89 @55411 has 1 MA's), (98, 55459), (102, 55498), (112, 55564), (114, 55579), (149, 55726), (172, 55849),

Gene: EmmaElysia_250 Start: 137013, Stop: 137675, Start Num: 68
Candidate Starts for EmmaElysia_250:
(30, 136788), (45, 136911), (Start: 68 @137013 has 160 MA's), (74, 137028), (75, 137031), (87, 137079), (102, 137181), (103, 137184), (110, 137238), (112, 137247), (122, 137316), (124, 137322),

(142, 137373), (143, 137379), (147, 137397), (149, 137409), (163, 137484), (174, 137541), (204, 137667),

Gene: Emmaloid_108 Start: 57012, Stop: 57623, Start Num: 65
Candidate Starts for Emmaloid_108:
(15, 56688), (20, 56715), (37, 56841), (43, 56910), (Start: 65 @57012 has 182 MA's), (75, 57033), (85, 57072), (Start: 89 @57096 has 1 MA's), (98, 57144), (149, 57411),

Gene: Empress_104 Start: 56063, Stop: 56686, Start Num: 65
Candidate Starts for Empress_104:
(37, 55892), (43, 55961), (Start: 65 @56063 has 182 MA's), (75, 56084), (85, 56123), (87, 56132), (Start: 89 @56147 has 1 MA's), (98, 56195), (102, 56234), (112, 56300), (114, 56315), (149, 56462), (172, 56585),

Gene: Enby_107 Start: 53981, Stop: 54595, Start Num: 62
Candidate Starts for Enby_107:
(44, 53870), (Start: 62 @53981 has 55 MA's), (85, 54044), (Start: 89 @54068 has 1 MA's), (112, 54221), (114, 54236), (149, 54383),

Gene: Enzomatic_116 Start: 56145, Stop: 56795, Start Num: 53
Candidate Starts for Enzomatic_116:
(48, 56094), (52, 56136), (Start: 53 @56145 has 2 MA's), (Start: 66 @56172 has 18 MA's), (85, 56232), (87, 56241), (Start: 89 @56256 has 1 MA's), (102, 56343), (103, 56346), (105, 56364), (149, 56571),

Gene: Eradicator_94 Start: 54608, Stop: 55231, Start Num: 65
Candidate Starts for Eradicator_94:
(43, 54506), (Start: 65 @54608 has 182 MA's), (85, 54668), (Start: 89 @54692 has 1 MA's), (98, 54740), (149, 55007),

Gene: Erdmann_246 Start: 135869, Stop: 136531, Start Num: 68
Candidate Starts for Erdmann_246:
(30, 135644), (45, 135767), (Start: 68 @135869 has 160 MA's), (74, 135884), (75, 135887), (87, 135935), (102, 136037), (103, 136040), (110, 136094), (112, 136103), (122, 136172), (124, 136178), (142, 136229), (143, 136235), (147, 136253), (149, 136265), (163, 136340), (174, 136397), (204, 136523),

Gene: ErnieJ_238 Start: 132697, Stop: 133359, Start Num: 68
Candidate Starts for ErnieJ_238:
(30, 132472), (45, 132595), (Start: 68 @132697 has 160 MA's), (74, 132712), (75, 132715), (87, 132763), (102, 132865), (103, 132868), (110, 132922), (112, 132931), (122, 133000), (124, 133006), (142, 133057), (143, 133063), (147, 133081), (149, 133093), (163, 133168), (174, 133225), (204, 133351),

Gene: Essence_243 Start: 135354, Stop: 136016, Start Num: 68
Candidate Starts for Essence_243:
(30, 135129), (45, 135252), (Start: 68 @135354 has 160 MA's), (74, 135369), (75, 135372), (87, 135420), (102, 135522), (103, 135525), (110, 135579), (112, 135588), (122, 135657), (124, 135663), (142, 135714), (143, 135720), (147, 135738), (149, 135750), (163, 135825), (174, 135882), (204, 136008),

Gene: Estave1_111 Start: 59636, Stop: 60259, Start Num: 65
Candidate Starts for Estave1_111:

(43, 59534), (Start: 65 @59636 has 182 MA's), (85, 59696), (Start: 89 @59720 has 1 MA's), (112, 59873), (114, 59888), (149, 60035),

Gene: Ewok_244 Start: 135812, Stop: 136474, Start Num: 68
Candidate Starts for Ewok_244:
(23, 135524), (24, 135527), (32, 135590), (45, 135710), (Start: 68 @135812 has 160 MA's), (74, 135827), (75, 135830), (87, 135878), (102, 135980), (103, 135983), (110, 136037), (112, 136046), (122, 136115), (124, 136121), (142, 136172), (143, 136178), (147, 136196), (149, 136208), (163, 136283), (174, 136340), (204, 136466),

Gene: Familton_37 Start: 18453, Stop: 19073, Start Num: 70
Candidate Starts for Familton_37:
(11, 18060), (Start: 70 @18453 has 35 MA's), (75, 18471), (83, 18504), (87, 18519), (95, 18582), (102, 18627), (103, 18630), (115, 18711), (120, 18753), (141, 18816), (143, 18831), (145, 18837), (163, 18939), (176, 18990),

Gene: Fancypants_110 Start: 59137, Stop: 59760, Start Num: 65
Candidate Starts for Fancypants_110:
(43, 59035), (Start: 65 @59137 has 182 MA's), (85, 59197), (Start: 89 @59221 has 1 MA's), (149, 59536),

Gene: Farewell_90 Start: 59442, Stop: 60143, Start Num: 49
Candidate Starts for Farewell_90:
(Start: 49 @59442 has 2 MA's), (60, 59490), (77, 59526), (115, 59724), (133, 59823), (137, 59835), (148, 59874), (149, 59883), (195, 60105), (200, 60126),

Gene: Fastidio_107 Start: 54748, Stop: 55371, Start Num: 65
Candidate Starts for Fastidio_107:
(16, 54424), (21, 54451), (37, 54577), (43, 54646), (Start: 65 @54748 has 182 MA's), (75, 54769), (85, 54808), (87, 54817), (Start: 89 @54832 has 1 MA's), (98, 54880), (102, 54919), (112, 54985), (149, 55147), (172, 55270),

Gene: FeliMaine_89 Start: 47480, Stop: 48142, Start Num: 61
Candidate Starts for FeliMaine_89:
(Start: 61 @47480 has 20 MA's), (79, 47528), (Start: 89 @47567 has 1 MA's), (98, 47615), (102, 47651), (106, 47678), (112, 47717), (113, 47738), (142, 47867), (157, 47948), (163, 47981), (165, 48002), (166, 48005), (184, 48071), (190, 48104), (197, 48131),

Gene: Filuzino_104 Start: 58214, Stop: 58837, Start Num: 65
Candidate Starts for Filuzino_104:
(16, 57890), (21, 57917), (37, 58043), (43, 58112), (Start: 65 @58214 has 182 MA's), (75, 58235), (85, 58274), (87, 58283), (Start: 89 @58298 has 1 MA's), (98, 58346), (102, 58385), (112, 58451), (114, 58466), (149, 58613), (172, 58736),

Gene: Firecracker_36 Start: 18072, Stop: 18692, Start Num: 70
Candidate Starts for Firecracker_36:
(11, 17679), (Start: 70 @18072 has 35 MA's), (75, 18090), (83, 18123), (87, 18138), (95, 18201), (102, 18246), (103, 18249), (115, 18330), (120, 18372), (141, 18435), (143, 18450), (145, 18456), (163, 18558), (176, 18609),

Gene: Firehouse51_98 Start: 57075, Stop: 57698, Start Num: 66
Candidate Starts for Firehouse51_98:

(25, 56817), (29, 56853), (48, 56997), (52, 57039), (Start: 53 @57048 has 2 MA's), (Start: 66 @57075 has 18 MA's), (85, 57135), (Start: 89 @57159 has 1 MA's), (114, 57327), (149, 57474), (172, 57597),

Gene: Fixie_237 Start: 136134, Stop: 136796, Start Num: 68
Candidate Starts for Fixie_237:
(30, 135909), (45, 136032), (Start: 68 @136134 has 160 MA's), (74, 136149), (75, 136152), (87, 136200), (102, 136302), (103, 136305), (110, 136359), (112, 136368), (122, 136437), (124, 136443), (142, 136494), (143, 136500), (147, 136518), (149, 136530), (163, 136605), (174, 136662), (204, 136788),

Gene: Flabslab_239 Start: 132299, Stop: 132961, Start Num: 63
Candidate Starts for Flabslab_239:
(Start: 63 @132299 has 38 MA's), (74, 132314), (75, 132317), (87, 132365), (97, 132425), (102, 132467), (103, 132470), (106, 132494), (110, 132524), (112, 132533), (122, 132602), (124, 132608), (142, 132659), (143, 132665), (147, 132683), (149, 132695), (163, 132770), (174, 132827), (204, 132953),

Gene: Flathead_108 Start: 56935, Stop: 57549, Start Num: 62
Candidate Starts for Flathead_108:
(44, 56824), (Start: 62 @56935 has 55 MA's), (85, 56998), (Start: 89 @57022 has 1 MA's), (149, 57337),

Gene: Florinda_116 Start: 58325, Stop: 58948, Start Num: 65
Candidate Starts for Florinda_116:
(Start: 65 @58325 has 182 MA's), (85, 58385), (87, 58394), (Start: 89 @58409 has 1 MA's), (98, 58457), (102, 58496), (112, 58562), (114, 58577), (149, 58724), (172, 58847),

Gene: Fludd_245 Start: 134230, Stop: 134892, Start Num: 68
Candidate Starts for Fludd_245:
(30, 134005), (45, 134128), (Start: 68 @134230 has 160 MA's), (74, 134245), (75, 134248), (87, 134296), (102, 134398), (103, 134401), (110, 134455), (112, 134464), (122, 134533), (124, 134539), (142, 134590), (143, 134596), (147, 134614), (149, 134626), (163, 134701), (174, 134758), (204, 134884),

Gene: Fongie_245 Start: 135810, Stop: 136472, Start Num: 68
Candidate Starts for Fongie_245:
(30, 135585), (45, 135708), (Start: 68 @135810 has 160 MA's), (74, 135825), (75, 135828), (87, 135876), (102, 135978), (103, 135981), (110, 136035), (112, 136044), (122, 136113), (124, 136119), (142, 136170), (143, 136176), (147, 136194), (149, 136206), (163, 136281), (174, 136338), (204, 136464),

Gene: Forza_94 Start: 50704, Stop: 51321, Start Num: 62
Candidate Starts for Forza_94:
(54, 50677), (Start: 62 @50704 has 55 MA's), (96, 50833), (114, 50959), (117, 50998), (149, 51118), (170, 51247), (187, 51304),

Gene: FoulBall_36 Start: 18447, Stop: 19067, Start Num: 70
Candidate Starts for FoulBall_36:
(11, 18054), (Start: 70 @18447 has 35 MA's), (75, 18465), (83, 18498), (87, 18513), (95, 18576), (102, 18621), (103, 18624), (115, 18705), (120, 18747), (141, 18810), (143, 18825), (145, 18831), (163, 18933), (176, 18984),

Gene: FoxtrotP1_243 Start: 136455, Stop: 137117, Start Num: 68

Candidate Starts for FoxtrotP1_243:
(30, 136230), (45, 136353), (Start: 68 @136455 has 160 MA's), (74, 136470), (75, 136473), (87, 136521), (102, 136623), (103, 136626), (110, 136680), (112, 136689), (122, 136758), (124, 136764), (142, 136815), (143, 136821), (147, 136839), (149, 136851), (163, 136926), (174, 136983), (204, 137109),

Gene: Frankie_103 Start: 56330, Stop: 56944, Start Num: 62
Candidate Starts for Frankie_103:
(44, 56219), (Start: 62 @56330 has 55 MA's), (79, 56378), (90, 56423), (112, 56570), (114, 56585), (148, 56723), (149, 56732),

Gene: FrayBell_248 Start: 134361, Stop: 135023, Start Num: 63
Candidate Starts for FrayBell_248:
(23, 134142), (24, 134145), (32, 134208), (45, 134328), (Start: 63 @134361 has 38 MA's), (74, 134376), (75, 134379), (87, 134427), (102, 134529), (103, 134532), (110, 134586), (112, 134595), (122, 134664), (124, 134670), (142, 134721), (143, 134727), (147, 134745), (149, 134757), (163, 134832), (174, 134889), (204, 135015),

Gene: FreddyB_112 Start: 57227, Stop: 57850, Start Num: 65
Candidate Starts for FreddyB_112:
(43, 57125), (Start: 65 @57227 has 182 MA's), (75, 57248), (85, 57287), (87, 57296), (Start: 89 @57311 has 1 MA's), (98, 57359), (102, 57398), (112, 57464), (114, 57479), (149, 57626), (172, 57749),

Gene: Fruitloop_102 Start: 57379, Stop: 58002, Start Num: 65
Candidate Starts for Fruitloop_102:
(16, 57055), (21, 57082), (37, 57208), (43, 57277), (Start: 65 @57379 has 182 MA's), (75, 57400), (85, 57439), (87, 57448), (Start: 89 @57463 has 1 MA's), (98, 57511), (102, 57550), (112, 57616), (114, 57631), (148, 57769), (149, 57778), (172, 57901),

Gene: Fryberger_137 Start: 64405, Stop: 65118, Start Num: 58
Candidate Starts for Fryberger_137:
(Start: 58 @64405 has 7 MA's), (Start: 62 @64417 has 55 MA's), (75, 64438), (90, 64510), (114, 64672), (124, 64741), (128, 64750), (140, 64789), (149, 64837), (152, 64855), (158, 64906), (160, 64921), (162, 64927), (193, 65080),

Gene: FudgeTart_240 Start: 134959, Stop: 135621, Start Num: 68
Candidate Starts for FudgeTart_240:
(23, 134671), (24, 134674), (32, 134737), (45, 134857), (Start: 68 @134959 has 160 MA's), (74, 134974), (75, 134977), (87, 135025), (102, 135127), (103, 135130), (110, 135184), (112, 135193), (122, 135262), (124, 135268), (142, 135319), (143, 135325), (147, 135343), (149, 135355), (163, 135430), (174, 135487), (204, 135613),

Gene: GMA2_23 Start: 21038, Stop: 21652, Start Num: 66
Candidate Starts for GMA2_23:
(Start: 66 @21038 has 18 MA's), (75, 21059), (82, 21089), (118, 21332), (143, 21419), (149, 21449), (150, 21452), (154, 21464),

Gene: GUmbie_103 Start: 56296, Stop: 56919, Start Num: 65
Candidate Starts for GUmbie_103:
(43, 56194), (Start: 65 @56296 has 182 MA's), (75, 56317), (85, 56356), (87, 56365), (Start: 89 @56380 has 1 MA's), (98, 56428), (112, 56533), (114, 56548), (149, 56695), (172, 56818),

Gene: Gabriel_248 Start: 134389, Stop: 135051, Start Num: 68
Candidate Starts for Gabriel_248:
(30, 134164), (45, 134287), (Start: 68 @134389 has 160 MA's), (74, 134404), (75, 134407), (87, 134455), (102, 134557), (103, 134560), (110, 134614), (112, 134623), (122, 134692), (124, 134698), (142, 134749), (143, 134755), (147, 134773), (149, 134785), (163, 134860), (174, 134917), (204, 135043),

Gene: Galactic_108 Start: 56770, Stop: 57393, Start Num: 66
Candidate Starts for Galactic_108:
(48, 56692), (52, 56734), (Start: 53 @56743 has 2 MA's), (Start: 66 @56770 has 18 MA's), (85, 56830), (87, 56839), (Start: 89 @56854 has 1 MA's), (102, 56941), (103, 56944), (105, 56962), (149, 57169),

Gene: Gamgam_247 Start: 134746, Stop: 135408, Start Num: 68
Candidate Starts for Gamgam_247:
(30, 134521), (45, 134644), (Start: 68 @134746 has 160 MA's), (74, 134761), (75, 134764), (87, 134812), (102, 134914), (103, 134917), (110, 134971), (112, 134980), (122, 135049), (124, 135055), (142, 135106), (143, 135112), (147, 135130), (149, 135142), (163, 135217), (174, 135274), (204, 135400),

Gene: Gandalph_103 Start: 53883, Stop: 54506, Start Num: 65
Candidate Starts for Gandalph_103:
(43, 53781), (Start: 65 @53883 has 182 MA's), (75, 53904), (85, 53943), (87, 53952), (Start: 89 @53967 has 1 MA's), (98, 54015), (102, 54054), (112, 54120), (114, 54135), (148, 54273), (149, 54282), (172, 54405),

Gene: Gattaca_86 Start: 47017, Stop: 47679, Start Num: 61
Candidate Starts for Gattaca_86:
(Start: 61 @47017 has 20 MA's), (79, 47065), (Start: 89 @47104 has 1 MA's), (98, 47152), (102, 47188), (106, 47215), (112, 47254), (113, 47275), (142, 47404), (157, 47485), (163, 47518), (165, 47539), (166, 47542), (190, 47641), (197, 47668),

Gene: Geralt_96 Start: 54644, Stop: 55267, Start Num: 65
Candidate Starts for Geralt_96:
(43, 54542), (Start: 65 @54644 has 182 MA's), (85, 54704), (Start: 89 @54728 has 1 MA's), (98, 54776), (149, 55043),

Gene: Ghost_245 Start: 135370, Stop: 136032, Start Num: 68
Candidate Starts for Ghost_245:
(30, 135145), (45, 135268), (Start: 68 @135370 has 160 MA's), (74, 135385), (75, 135388), (87, 135436), (102, 135538), (103, 135541), (110, 135595), (112, 135604), (122, 135673), (124, 135679), (142, 135730), (143, 135736), (147, 135754), (149, 135766), (163, 135841), (174, 135898), (204, 136024),

Gene: GigiOuiOui_98 Start: 55298, Stop: 55921, Start Num: 66
Candidate Starts for GigiOuiOui_98:
(48, 55220), (52, 55262), (Start: 53 @55271 has 2 MA's), (Start: 66 @55298 has 18 MA's), (85, 55358), (87, 55367), (Start: 89 @55382 has 1 MA's), (98, 55430), (102, 55469), (103, 55472), (149, 55697),

Gene: Girafales_112 Start: 57753, Stop: 58364, Start Num: 65
Candidate Starts for Girafales_112:
(41, 57636), (42, 57642), (43, 57651), (Start: 65 @57753 has 182 MA's), (75, 57774), (85, 57813), (87, 57822), (Start: 89 @57837 has 1 MA's), (102, 57924), (112, 57990), (114, 58005), (149, 58152),

Gene: Girr_102 Start: 56633, Stop: 57256, Start Num: 65
Candidate Starts for Girr_102:
(43, 56531), (Start: 65 @56633 has 182 MA's), (85, 56693), (Start: 89 @56717 has 1 MA's), (98, 56765), (149, 57032),

Gene: Gizmo_250 Start: 137786, Stop: 138448, Start Num: 68
Candidate Starts for Gizmo_250:
(30, 137561), (45, 137684), (Start: 68 @137786 has 160 MA's), (74, 137801), (75, 137804), (87, 137852), (102, 137954), (103, 137957), (110, 138011), (112, 138020), (122, 138089), (124, 138095), (142, 138146), (143, 138152), (147, 138170), (149, 138182), (163, 138257), (174, 138314), (204, 138440),

Gene: GlutenPhree_246 Start: 134757, Stop: 135419, Start Num: 68
Candidate Starts for GlutenPhree_246:
(30, 134532), (45, 134655), (Start: 68 @134757 has 160 MA's), (74, 134772), (75, 134775), (87, 134823), (102, 134925), (103, 134928), (110, 134982), (112, 134991), (122, 135060), (124, 135066), (142, 135117), (143, 135123), (147, 135141), (149, 135153), (163, 135228), (174, 135285), (204, 135411),

Gene: GodonK_82 Start: 42434, Stop: 43039, Start Num: 62
Candidate Starts for GodonK_82:
(55, 42410), (Start: 62 @42434 has 55 MA's), (84, 42494), (102, 42608), (104, 42614), (115, 42692), (123, 42752), (135, 42791), (137, 42800), (142, 42812), (145, 42824), (149, 42848), (153, 42860), (166, 42950), (170, 42974),

Gene: GoldenSnow_244 Start: 135907, Stop: 136569, Start Num: 68
Candidate Starts for GoldenSnow_244:
(30, 135682), (45, 135805), (Start: 68 @135907 has 160 MA's), (74, 135922), (75, 135925), (87, 135973), (102, 136075), (103, 136078), (110, 136132), (112, 136141), (122, 136210), (124, 136216), (142, 136267), (143, 136273), (147, 136291), (149, 136303), (163, 136378), (174, 136435), (204, 136561),

Gene: GoongGoong_88 Start: 46822, Stop: 47484, Start Num: 61
Candidate Starts for GoongGoong_88:
(Start: 61 @46822 has 20 MA's), (79, 46870), (Start: 89 @46909 has 1 MA's), (98, 46957), (102, 46993), (106, 47020), (110, 47050), (112, 47059), (113, 47080), (142, 47209), (157, 47290), (163, 47323), (165, 47344), (166, 47347), (184, 47413), (190, 47446), (197, 47473),

Gene: Gorge_102 Start: 56864, Stop: 57487, Start Num: 65
Candidate Starts for Gorge_102:
(37, 56693), (43, 56762), (Start: 65 @56864 has 182 MA's), (75, 56885), (85, 56924), (87, 56933), (Start: 89 @56948 has 1 MA's), (98, 56996), (102, 57035), (112, 57101), (114, 57116), (149, 57263), (172, 57386),

Gene: Grasshills_252 Start: 137362, Stop: 138024, Start Num: 68
Candidate Starts for Grasshills_252:
(30, 137137), (45, 137260), (Start: 68 @137362 has 160 MA's), (74, 137377), (75, 137380), (87, 137428), (102, 137530), (103, 137533), (106, 137557), (110, 137587), (112, 137596), (122, 137665), (124, 137671), (142, 137722), (143, 137728), (147, 137746), (149, 137758), (163, 137833), (174, 137890), (204, 138016),

Gene: Greely_246 Start: 138164, Stop: 138862, Start Num: 63
Candidate Starts for Greely_246:

(57, 138149), (Start: 63 @138164 has 38 MA's), (85, 138221), (Start: 89 @138245 has 1 MA's), (102, 138332), (103, 138335), (115, 138416), (124, 138482), (125, 138485), (127, 138491), (129, 138500), (134, 138518), (139, 138530), (154, 138590), (156, 138614), (181, 138740), (183, 138746), (197, 138818),

Gene: Grungle_227 Start: 132635, Stop: 133297, Start Num: 63
Candidate Starts for Grungle_227:
(23, 132416), (24, 132419), (32, 132482), (45, 132602), (Start: 63 @132635 has 38 MA's), (74, 132650), (75, 132653), (87, 132701), (102, 132803), (103, 132806), (110, 132860), (112, 132869), (122, 132938), (124, 132944), (142, 132995), (143, 133001), (147, 133019), (149, 133031), (163, 133106), (174, 133163), (204, 133289),

Gene: Guey18_143 Start: 65973, Stop: 66686, Start Num: 58
Candidate Starts for Guey18_143:
(Start: 58 @65973 has 7 MA's), (Start: 62 @65985 has 55 MA's), (75, 66006), (90, 66078), (114, 66240), (124, 66309), (128, 66318), (140, 66357), (148, 66396), (149, 66405), (152, 66423), (158, 66474), (160, 66489), (162, 66495), (175, 66561), (193, 66648),

Gene: Guppsters_98 Start: 53744, Stop: 54367, Start Num: 65
Candidate Starts for Guppsters_98:
(43, 53642), (Start: 65 @53744 has 182 MA's), (85, 53804), (Start: 89 @53828 has 1 MA's), (98, 53876), (102, 53915), (114, 53996), (149, 54143),

Gene: Guwapp_241 Start: 134204, Stop: 134866, Start Num: 68
Candidate Starts for Guwapp_241:
(30, 133979), (45, 134102), (Start: 68 @134204 has 160 MA's), (74, 134219), (75, 134222), (87, 134270), (102, 134372), (103, 134375), (110, 134429), (112, 134438), (122, 134507), (124, 134513), (142, 134564), (143, 134570), (147, 134588), (149, 134600), (163, 134675), (174, 134732), (204, 134858),

Gene: Hades_101 Start: 53895, Stop: 54518, Start Num: 65
Candidate Starts for Hades_101:
(16, 53571), (21, 53598), (37, 53724), (43, 53793), (Start: 65 @53895 has 182 MA's), (85, 53955), (Start: 89 @53979 has 1 MA's), (98, 54027), (114, 54147), (149, 54294),

Gene: Halldule_237 Start: 133817, Stop: 134479, Start Num: 63
Candidate Starts for Halldule_237:
(23, 133598), (24, 133601), (32, 133664), (45, 133784), (Start: 63 @133817 has 38 MA's), (74, 133832), (75, 133835), (87, 133883), (102, 133985), (103, 133988), (110, 134042), (112, 134051), (122, 134120), (124, 134126), (142, 134177), (143, 134183), (147, 134201), (149, 134213), (163, 134288), (174, 134345), (204, 134471),

Gene: Hamulus_104 Start: 56064, Stop: 56687, Start Num: 65
Candidate Starts for Hamulus_104:
(16, 55740), (21, 55767), (37, 55893), (43, 55962), (Start: 65 @56064 has 182 MA's), (75, 56085), (85, 56124), (87, 56133), (Start: 89 @56148 has 1 MA's), (98, 56196), (102, 56235), (112, 56301), (114, 56316), (149, 56463), (172, 56586),

Gene: Harley_107 Start: 57637, Stop: 58263, Start Num: 62
Candidate Starts for Harley_107:
(44, 57526), (Start: 62 @57637 has 55 MA's), (85, 57700), (87, 57709), (Start: 89 @57724 has 1 MA's), (102, 57811), (103, 57814), (149, 58039),

Gene: Hegedechwinu_112 Start: 56643, Stop: 57254, Start Num: 66
Candidate Starts for Hegedechwinu_112:
(48, 56565), (52, 56607), (Start: 53 @56616 has 2 MA's), (Start: 66 @56643 has 18 MA's), (85, 56703), (Start: 89 @56727 has 1 MA's), (149, 57042),

Gene: Hlubikazi_101 Start: 54379, Stop: 55002, Start Num: 65
Candidate Starts for Hlubikazi_101:
(18, 54067), (19, 54070), (37, 54208), (43, 54277), (Start: 65 @54379 has 182 MA's), (85, 54439), (Start: 89 @54463 has 1 MA's), (149, 54778), (172, 54901),

Gene: Huphlepuff_91 Start: 47043, Stop: 47705, Start Num: 61
Candidate Starts for Huphlepuff_91:
(Start: 61 @47043 has 20 MA's), (79, 47091), (Start: 89 @47130 has 1 MA's), (98, 47178), (102, 47214), (106, 47241), (112, 47280), (113, 47301), (142, 47430), (157, 47511), (163, 47544), (165, 47565), (166, 47568), (184, 47634), (190, 47667), (197, 47694),

Gene: HyRo_230 Start: 134761, Stop: 135423, Start Num: 63
Candidate Starts for HyRo_230:
(Start: 63 @134761 has 38 MA's), (74, 134776), (75, 134779), (87, 134827), (97, 134887), (102, 134929), (103, 134932), (106, 134956), (110, 134986), (112, 134995), (122, 135064), (124, 135070), (142, 135121), (143, 135127), (147, 135145), (149, 135157), (163, 135232), (174, 135289), (204, 135415),

Gene: I3_255 Start: 136509, Stop: 137171, Start Num: 63
Candidate Starts for I3_255:
(30, 136353), (45, 136476), (Start: 63 @136509 has 38 MA's), (74, 136524), (75, 136527), (87, 136575), (97, 136635), (102, 136677), (103, 136680), (106, 136704), (110, 136734), (112, 136743), (122, 136812), (124, 136818), (142, 136869), (143, 136875), (147, 136893), (149, 136905), (163, 136980), (174, 137037), (204, 137163),

Gene: IMpilo_102 Start: 54842, Stop: 55465, Start Num: 65
Candidate Starts for IMpilo_102:
(16, 54518), (21, 54545), (37, 54671), (43, 54740), (Start: 65 @54842 has 182 MA's), (75, 54863), (85, 54902), (87, 54911), (Start: 89 @54926 has 1 MA's), (98, 54974), (102, 55013), (112, 55079), (114, 55094), (149, 55241), (172, 55364),

Gene: IbOuu_95 Start: 54206, Stop: 54829, Start Num: 65
Candidate Starts for IbOuu_95:
(16, 53882), (21, 53909), (37, 54035), (43, 54104), (Start: 65 @54206 has 182 MA's), (75, 54227), (85, 54266), (87, 54275), (Start: 89 @54290 has 1 MA's), (98, 54338), (102, 54377), (112, 54443), (114, 54458), (149, 54605), (172, 54728),

Gene: Ibhubesi_102 Start: 54506, Stop: 55132, Start Num: 62
Candidate Starts for Ibhubesi_102:
(44, 54395), (Start: 62 @54506 has 55 MA's), (85, 54569), (87, 54578), (Start: 89 @54593 has 1 MA's), (102, 54680), (103, 54683), (149, 54908),

Gene: Idergollasper_36 Start: 18447, Stop: 19067, Start Num: 70
Candidate Starts for Idergollasper_36:
(11, 18054), (51, 18393), (Start: 70 @18447 has 35 MA's), (75, 18465), (83, 18498), (87, 18513), (95, 18576), (102, 18621), (103, 18624), (115, 18705), (120, 18747), (141, 18810), (143, 18825), (145, 18831), (163, 18933), (176, 18984),

Gene: IkeLoa_239 Start: 135102, Stop: 135764, Start Num: 68
Candidate Starts for IkeLoa_239:
(30, 134877), (45, 135000), (Start: 68 @135102 has 160 MA's), (74, 135117), (75, 135120), (87, 135168), (102, 135270), (103, 135273), (110, 135327), (112, 135336), (122, 135405), (124, 135411), (142, 135462), (143, 135468), (147, 135486), (149, 135498), (163, 135573), (174, 135630), (204, 135756),

Gene: Imara_36 Start: 18256, Stop: 18876, Start Num: 70
Candidate Starts for Imara_36:
(11, 17863), (Start: 70 @18256 has 35 MA's), (75, 18274), (83, 18307), (87, 18322), (95, 18385), (102, 18430), (103, 18433), (115, 18514), (120, 18556), (141, 18619), (143, 18634), (145, 18640), (163, 18742), (176, 18793),

Gene: InigoMontoya_249 Start: 135420, Stop: 136082, Start Num: 68
Candidate Starts for InigoMontoya_249:
(30, 135195), (45, 135318), (Start: 68 @135420 has 160 MA's), (74, 135435), (75, 135438), (87, 135486), (102, 135588), (103, 135591), (110, 135645), (112, 135654), (122, 135723), (124, 135729), (142, 135780), (143, 135786), (147, 135804), (149, 135816), (163, 135891), (174, 135948), (204, 136074),

Gene: InterFolia_247 Start: 136166, Stop: 136828, Start Num: 63
Candidate Starts for InterFolia_247:
(23, 135947), (24, 135950), (32, 136013), (45, 136133), (Start: 63 @136166 has 38 MA's), (74, 136181), (75, 136184), (87, 136232), (102, 136334), (103, 136337), (110, 136391), (112, 136400), (122, 136469), (124, 136475), (142, 136526), (143, 136532), (147, 136550), (149, 136562), (163, 136637), (174, 136694), (204, 136820),

Gene: Inventum_101 Start: 55932, Stop: 56555, Start Num: 65
Candidate Starts for Inventum_101:
(43, 55830), (Start: 65 @55932 has 182 MA's), (85, 55992), (Start: 89 @56016 has 1 MA's), (98, 56064), (149, 56331),

Gene: Iota_242 Start: 135132, Stop: 135794, Start Num: 68
Candidate Starts for Iota_242:
(30, 134907), (45, 135030), (Start: 68 @135132 has 160 MA's), (74, 135147), (75, 135150), (87, 135198), (102, 135300), (103, 135303), (110, 135357), (112, 135366), (122, 135435), (124, 135441), (142, 135492), (143, 135498), (147, 135516), (149, 135528), (163, 135603), (174, 135660), (204, 135786),

Gene: IrishSherpFalk_104 Start: 56703, Stop: 57329, Start Num: 62
Candidate Starts for IrishSherpFalk_104:
(44, 56592), (Start: 62 @56703 has 55 MA's), (85, 56766), (Start: 89 @56790 has 1 MA's), (149, 57105),

Gene: Izajani_241 Start: 135952, Stop: 136614, Start Num: 68
Candidate Starts for Izajani_241:
(23, 135664), (24, 135667), (32, 135730), (45, 135850), (Start: 68 @135952 has 160 MA's), (74, 135967), (75, 135970), (87, 136018), (102, 136120), (103, 136123), (110, 136177), (112, 136186), (122, 136255), (124, 136261), (142, 136312), (143, 136318), (147, 136336), (149, 136348), (163, 136423), (174, 136480), (204, 136606),

Gene: JPickles_242 Start: 134108, Stop: 134770, Start Num: 68
Candidate Starts for JPickles_242:

(30, 133883), (45, 134006), (Start: 68 @134108 has 160 MA's), (74, 134123), (75, 134126), (87, 134174), (102, 134276), (103, 134279), (110, 134333), (112, 134342), (122, 134411), (124, 134417), (142, 134468), (143, 134474), (147, 134492), (149, 134504), (163, 134579), (174, 134636), (204, 134762),

Gene: Jabbawokkie_108 Start: 54498, Stop: 55100, Start Num: 62
Candidate Starts for Jabbawokkie_108:
(Start: 62 @54498 has 55 MA's), (79, 54543), (84, 54555), (98, 54630), (102, 54669), (103, 54672), (149, 54897), (192, 55089),

Gene: JalFarm20_112 Start: 58065, Stop: 58676, Start Num: 65
Candidate Starts for JalFarm20_112:
(43, 57963), (Start: 65 @58065 has 182 MA's), (85, 58125), (Start: 89 @58149 has 1 MA's), (149, 58464),

Gene: James_107 Start: 58525, Stop: 59148, Start Num: 65
Candidate Starts for James_107:
(43, 58423), (Start: 65 @58525 has 182 MA's), (75, 58546), (85, 58585), (87, 58594), (Start: 89 @58609 has 1 MA's), (98, 58657), (102, 58696), (112, 58762), (114, 58777), (149, 58924), (172, 59047),

Gene: JangDynasty_36 Start: 18542, Stop: 19162, Start Num: 70
Candidate Starts for JangDynasty_36:
(11, 18149), (Start: 70 @18542 has 35 MA's), (75, 18560), (83, 18593), (87, 18608), (95, 18671), (102, 18716), (103, 18719), (115, 18800), (120, 18842), (141, 18905), (143, 18920), (145, 18926), (163, 19028), (176, 19079),

Gene: Janiyra_248 Start: 135645, Stop: 136307, Start Num: 68
Candidate Starts for Janiyra_248:
(30, 135420), (45, 135543), (Start: 68 @135645 has 160 MA's), (74, 135660), (75, 135663), (87, 135711), (102, 135813), (103, 135816), (110, 135870), (112, 135879), (122, 135948), (124, 135954), (142, 136005), (143, 136011), (147, 136029), (149, 136041), (163, 136116), (174, 136173), (204, 136299),

Gene: Jant_112 Start: 55966, Stop: 56589, Start Num: 65
Candidate Starts for Jant_112:
(37, 55795), (43, 55864), (Start: 65 @55966 has 182 MA's), (75, 55987), (85, 56026), (87, 56035), (Start: 89 @56050 has 1 MA's), (98, 56098), (102, 56137), (112, 56203), (114, 56218), (149, 56365), (172, 56488),

Gene: Jarcob_106 Start: 57845, Stop: 58468, Start Num: 65
Candidate Starts for Jarcob_106:
(43, 57743), (Start: 65 @57845 has 182 MA's), (85, 57905), (Start: 89 @57929 has 1 MA's), (148, 58235), (149, 58244),

Gene: JayJay_245 Start: 134930, Stop: 135592, Start Num: 63
Candidate Starts for JayJay_245:
(23, 134711), (24, 134714), (32, 134777), (45, 134897), (Start: 63 @134930 has 38 MA's), (74, 134945), (75, 134948), (87, 134996), (97, 135056), (102, 135098), (103, 135101), (106, 135125), (110, 135155), (112, 135164), (122, 135233), (124, 135239), (142, 135290), (143, 135296), (149, 135326), (163, 135401), (174, 135458), (204, 135584),

Gene: Jaygup_242 Start: 135279, Stop: 135941, Start Num: 68

Candidate Starts for Jaygup_242:
(30, 135054), (45, 135177), (Start: 68 @135279 has 160 MA's), (74, 135294), (75, 135297), (87, 135345), (102, 135447), (103, 135450), (110, 135504), (112, 135513), (122, 135582), (124, 135588), (142, 135639), (143, 135645), (147, 135663), (149, 135675), (163, 135750), (174, 135807), (204, 135933),

Gene: Jedediah_247 Start: 136332, Stop: 136994, Start Num: 68
Candidate Starts for Jedediah_247:
(30, 136107), (45, 136230), (Start: 68 @136332 has 160 MA's), (74, 136347), (75, 136350), (87, 136398), (102, 136500), (103, 136503), (110, 136557), (112, 136566), (122, 136635), (124, 136641), (142, 136692), (143, 136698), (147, 136716), (149, 136728), (163, 136803), (174, 136860), (204, 136986),

Gene: Jemmno_245 Start: 135051, Stop: 135713, Start Num: 68
Candidate Starts for Jemmno_245:
(30, 134826), (45, 134949), (Start: 68 @135051 has 160 MA's), (74, 135066), (75, 135069), (87, 135117), (102, 135219), (103, 135222), (110, 135276), (112, 135285), (122, 135354), (124, 135360), (142, 135411), (143, 135417), (147, 135435), (149, 135447), (163, 135522), (174, 135579), (204, 135705),

Gene: Jennelsea_102 Start: 55425, Stop: 56048, Start Num: 65
Candidate Starts for Jennelsea_102:
(43, 55323), (Start: 65 @55425 has 182 MA's), (75, 55446), (85, 55485), (87, 55494), (Start: 89 @55509 has 1 MA's), (98, 55557), (102, 55596), (112, 55662), (114, 55677), (149, 55824), (172, 55947),

Gene: Jessibeth14_245 Start: 136527, Stop: 137189, Start Num: 68
Candidate Starts for Jessibeth14_245:
(30, 136302), (45, 136425), (Start: 68 @136527 has 160 MA's), (74, 136542), (75, 136545), (87, 136593), (102, 136695), (103, 136698), (110, 136752), (112, 136761), (122, 136830), (124, 136836), (142, 136887), (143, 136893), (147, 136911), (149, 136923), (163, 136998), (174, 137055), (204, 137181),

Gene: Jezreel_242 Start: 135596, Stop: 136258, Start Num: 68
Candidate Starts for Jezreel_242:
(23, 135308), (24, 135311), (32, 135374), (45, 135494), (Start: 68 @135596 has 160 MA's), (74, 135611), (75, 135614), (87, 135662), (102, 135764), (103, 135767), (110, 135821), (112, 135830), (122, 135899), (124, 135905), (142, 135956), (143, 135962), (147, 135980), (149, 135992), (163, 136067), (174, 136124), (204, 136250),

Gene: JigglyPuff_251 Start: 137022, Stop: 137684, Start Num: 68
Candidate Starts for JigglyPuff_251:
(30, 136797), (45, 136920), (Start: 68 @137022 has 160 MA's), (74, 137037), (75, 137040), (87, 137088), (102, 137190), (103, 137193), (110, 137247), (112, 137256), (122, 137325), (124, 137331), (142, 137382), (143, 137388), (147, 137406), (149, 137418), (163, 137493), (174, 137550), (204, 137676),

Gene: Jinglebell_110 Start: 57737, Stop: 58360, Start Num: 62
Candidate Starts for Jinglebell_110:
(Start: 62 @57737 has 55 MA's), (84, 57794), (85, 57797), (Start: 89 @57821 has 1 MA's), (98, 57869), (102, 57908), (103, 57911), (149, 58136),

Gene: Job42_106 Start: 58924, Stop: 59535, Start Num: 65

Candidate Starts for Job42_106:
(43, 58822), (Start: 65 @58924 has 182 MA's), (75, 58945), (85, 58984), (87, 58993), (Start: 89 @59008 has 1 MA's), (98, 59056), (102, 59095), (112, 59161), (114, 59176), (149, 59323),

Gene: JoeyJr_106 Start: 57840, Stop: 58463, Start Num: 65
Candidate Starts for JoeyJr_106:
(43, 57738), (Start: 65 @57840 has 182 MA's), (85, 57900), (Start: 89 @57924 has 1 MA's), (98, 57972), (149, 58239),

Gene: JoieB_89 Start: 47506, Stop: 48168, Start Num: 61
Candidate Starts for JoieB_89:
(Start: 61 @47506 has 20 MA's), (79, 47554), (Start: 89 @47593 has 1 MA's), (98, 47641), (102, 47677), (106, 47704), (112, 47743), (113, 47764), (142, 47893), (157, 47974), (163, 48007), (165, 48028), (166, 48031), (190, 48130), (197, 48157),

Gene: Juice456_103 Start: 56024, Stop: 56635, Start Num: 65
Candidate Starts for Juice456_103:
(15, 55700), (20, 55727), (37, 55853), (43, 55922), (Start: 65 @56024 has 182 MA's), (75, 56045), (85, 56084), (87, 56093), (Start: 89 @56108 has 1 MA's), (98, 56156), (102, 56195), (112, 56261), (114, 56276), (149, 56423),

Gene: JulietS_234 Start: 132631, Stop: 133293, Start Num: 68
Candidate Starts for JulietS_234:
(30, 132406), (45, 132529), (Start: 68 @132631 has 160 MA's), (74, 132646), (75, 132649), (87, 132697), (102, 132799), (103, 132802), (110, 132856), (112, 132865), (122, 132934), (124, 132940), (142, 132991), (143, 132997), (147, 133015), (149, 133027), (163, 133102), (174, 133159), (204, 133285),

Gene: Juniper1_97 Start: 55404, Stop: 56030, Start Num: 62
Candidate Starts for Juniper1_97:
(44, 55293), (Start: 62 @55404 has 55 MA's), (85, 55467), (Start: 89 @55491 has 1 MA's), (102, 55578), (149, 55806),

Gene: JustHall_239 Start: 134581, Stop: 135243, Start Num: 68
Candidate Starts for JustHall_239:
(30, 134356), (45, 134479), (Start: 68 @134581 has 160 MA's), (74, 134596), (75, 134599), (87, 134647), (102, 134749), (103, 134752), (110, 134806), (112, 134815), (122, 134884), (124, 134890), (142, 134941), (143, 134947), (147, 134965), (149, 134977), (163, 135052), (174, 135109), (204, 135235),

Gene: Kamryn_244 Start: 136171, Stop: 136833, Start Num: 68
Candidate Starts for Kamryn_244:
(23, 135883), (24, 135886), (32, 135949), (45, 136069), (Start: 68 @136171 has 160 MA's), (74, 136186), (75, 136189), (87, 136237), (102, 136339), (103, 136342), (110, 136396), (112, 136405), (122, 136474), (124, 136480), (142, 136531), (143, 136537), (147, 136555), (149, 136567), (163, 136642), (174, 136699), (204, 136825),

Gene: Karhdo_99 Start: 54288, Stop: 54911, Start Num: 65
Candidate Starts for Karhdo_99:
(43, 54186), (Start: 65 @54288 has 182 MA's), (85, 54348), (Start: 89 @54372 has 1 MA's), (149, 54687),

Gene: Kboogie_249 Start: 135210, Stop: 135872, Start Num: 68

Candidate Starts for Kboogie_249:
(30, 134985), (45, 135108), (Start: 68 @135210 has 160 MA's), (74, 135225), (75, 135228), (87, 135276), (102, 135378), (103, 135381), (110, 135435), (112, 135444), (122, 135513), (124, 135519), (142, 135570), (143, 135576), (147, 135594), (149, 135606), (163, 135681), (174, 135738), (204, 135864),

Gene: Keelan_138 Start: 64964, Stop: 65668, Start Num: 62
Candidate Starts for Keelan_138:
(Start: 62 @64964 has 55 MA's), (90, 65057), (110, 65195), (136, 65324), (140, 65336), (147, 65372), (148, 65375), (149, 65384), (152, 65402), (158, 65453), (162, 65474), (175, 65540), (181, 65561), (188, 65597), (193, 65627),

Gene: Kenuha5_95 Start: 55412, Stop: 56035, Start Num: 65
Candidate Starts for Kenuha5_95:
(43, 55310), (Start: 65 @55412 has 182 MA's), (75, 55433), (85, 55472), (87, 55481), (Start: 89 @55496 has 1 MA's), (98, 55544), (102, 55583), (112, 55649), (114, 55664), (149, 55811), (172, 55934),

Gene: Kersh_106 Start: 59100, Stop: 59723, Start Num: 66
Candidate Starts for Kersh_106:
(48, 59022), (52, 59064), (Start: 53 @59073 has 2 MA's), (Start: 66 @59100 has 18 MA's), (85, 59160), (Start: 89 @59184 has 1 MA's), (149, 59499),

Gene: Khaleesi_244 Start: 135994, Stop: 136656, Start Num: 68
Candidate Starts for Khaleesi_244:
(30, 135769), (45, 135892), (Start: 68 @135994 has 160 MA's), (74, 136009), (75, 136012), (87, 136060), (102, 136162), (103, 136165), (110, 136219), (112, 136228), (122, 136297), (124, 136303), (142, 136354), (143, 136360), (147, 136378), (149, 136390), (163, 136465), (174, 136522), (204, 136648),

Gene: Kimberlium_105 Start: 56124, Stop: 56735, Start Num: 65
Candidate Starts for Kimberlium_105:
(15, 55800), (20, 55827), (37, 55953), (43, 56022), (Start: 65 @56124 has 182 MA's), (75, 56145), (85, 56184), (87, 56193), (Start: 89 @56208 has 1 MA's), (98, 56256), (102, 56295), (112, 56361), (114, 56376), (149, 56523),

Gene: KingJulian_112 Start: 59130, Stop: 59753, Start Num: 65
Candidate Starts for KingJulian_112:
(16, 58806), (37, 58959), (43, 59028), (Start: 65 @59130 has 182 MA's), (75, 59151), (85, 59190), (87, 59199), (Start: 89 @59214 has 1 MA's), (102, 59301), (112, 59367), (149, 59529), (172, 59652),

Gene: KingMidas_104 Start: 56294, Stop: 56917, Start Num: 65
Candidate Starts for KingMidas_104:
(37, 56123), (43, 56192), (Start: 65 @56294 has 182 MA's), (75, 56315), (85, 56354), (87, 56363), (Start: 89 @56378 has 1 MA's), (98, 56426), (102, 56465), (112, 56531), (114, 56546), (149, 56693), (172, 56816),

Gene: KingPhillip3_36 Start: 18447, Stop: 19067, Start Num: 70
Candidate Starts for KingPhillip3_36:
(11, 18054), (Start: 70 @18447 has 35 MA's), (75, 18465), (83, 18498), (87, 18513), (95, 18576), (102, 18621), (103, 18624), (115, 18705), (120, 18747), (141, 18810), (143, 18825), (145, 18831), (163, 18933), (176, 18984),

Gene: Kingsley_112 Start: 59597, Stop: 60208, Start Num: 65
Candidate Starts for Kingsley_112:
(43, 59495), (Start: 65 @59597 has 182 MA's), (75, 59618), (85, 59657), (87, 59666), (Start: 89 @59681 has 1 MA's), (112, 59834), (114, 59849), (149, 59996),

Gene: Koella_96 Start: 52998, Stop: 53621, Start Num: 65
Candidate Starts for Koella_96:
(43, 52896), (Start: 65 @52998 has 182 MA's), (75, 53019), (85, 53058), (87, 53067), (Start: 89 @53082 has 1 MA's), (98, 53130), (102, 53169), (112, 53235), (114, 53250), (149, 53397),

Gene: Koguma_244 Start: 134794, Stop: 135456, Start Num: 63
Candidate Starts for Koguma_244:
(23, 134575), (24, 134578), (32, 134641), (45, 134761), (Start: 63 @134794 has 38 MA's), (74, 134809), (75, 134812), (87, 134860), (102, 134962), (103, 134965), (110, 135019), (112, 135028), (122, 135097), (124, 135103), (142, 135154), (143, 135160), (147, 135178), (149, 135190), (163, 135265), (174, 135322), (204, 135448),

Gene: Krakatau_96 Start: 51967, Stop: 52590, Start Num: 65
Candidate Starts for Krakatau_96:
(37, 51796), (43, 51865), (Start: 65 @51967 has 182 MA's), (75, 51988), (85, 52027), (87, 52036), (Start: 89 @52051 has 1 MA's), (102, 52138), (112, 52204), (114, 52219), (148, 52357), (149, 52366), (172, 52489),

Gene: Krili_35 Start: 18175, Stop: 18795, Start Num: 70
Candidate Starts for Krili_35:
(Start: 70 @18175 has 35 MA's), (75, 18193), (83, 18226), (87, 18241), (95, 18304), (102, 18349), (103, 18352), (115, 18433), (120, 18475), (141, 18538), (143, 18553), (145, 18559), (163, 18661), (176, 18712),

Gene: KristaRAM_112 Start: 57609, Stop: 58232, Start Num: 65
Candidate Starts for KristaRAM_112:
(43, 57507), (Start: 65 @57609 has 182 MA's), (85, 57669), (Start: 89 @57693 has 1 MA's), (112, 57846), (114, 57861), (149, 58008),

Gene: Kudefre_126 Start: 68200, Stop: 68901, Start Num: 56
Candidate Starts for Kudefre_126:
(Start: 56 @68200 has 4 MA's), (67, 68227), (69, 68239), (75, 68257), (96, 68350), (110, 68431), (115, 68458), (142, 68566), (143, 68572), (164, 68695), (167, 68716), (169, 68731), (185, 68785), (195, 68827), (199, 68845),

Gene: LRRHood_237 Start: 134203, Stop: 134865, Start Num: 68
Candidate Starts for LRRHood_237:
(30, 133978), (45, 134101), (Start: 68 @134203 has 160 MA's), (74, 134218), (75, 134221), (87, 134269), (102, 134371), (103, 134374), (110, 134428), (112, 134437), (122, 134506), (124, 134512), (142, 134563), (143, 134569), (147, 134587), (149, 134599), (163, 134674), (174, 134731), (204, 134857),

Gene: Labradorite_247 Start: 134770, Stop: 135432, Start Num: 68
Candidate Starts for Labradorite_247:
(30, 134545), (45, 134668), (Start: 68 @134770 has 160 MA's), (74, 134785), (75, 134788), (87, 134836), (102, 134938), (103, 134941), (110, 134995), (112, 135004), (122, 135073), (124, 135079), (142, 135130), (143, 135136), (147, 135154), (149, 135166), (163, 135241), (174, 135298), (204, 135424),

Gene: LastJedi_94 Start: 54055, Stop: 54678, Start Num: 65
Candidate Starts for LastJedi_94:
(43, 53953), (Start: 65 @54055 has 182 MA's), (75, 54076), (85, 54115), (87, 54124), (Start: 89 @54139 has 1 MA's), (98, 54187), (102, 54226), (112, 54292), (114, 54307), (149, 54454), (172, 54577),

Gene: Latch_245 Start: 134756, Stop: 135418, Start Num: 68
Candidate Starts for Latch_245:
(30, 134531), (45, 134654), (Start: 68 @134756 has 160 MA's), (74, 134771), (75, 134774), (87, 134822), (102, 134924), (103, 134927), (110, 134981), (112, 134990), (122, 135059), (124, 135065), (142, 135116), (143, 135122), (147, 135140), (149, 135152), (163, 135227), (174, 135284), (204, 135410),

Gene: Latretium_106 Start: 57114, Stop: 57737, Start Num: 65
Candidate Starts for Latretium_106:
(43, 57012), (Start: 65 @57114 has 182 MA's), (75, 57135), (85, 57174), (87, 57183), (Start: 89 @57198 has 1 MA's), (98, 57246), (102, 57285), (105, 57306), (112, 57351), (114, 57366), (149, 57513),

Gene: Lee7_249 Start: 137408, Stop: 138070, Start Num: 68
Candidate Starts for Lee7_249:
(23, 137120), (24, 137123), (32, 137186), (45, 137306), (Start: 68 @137408 has 160 MA's), (74, 137423), (75, 137426), (87, 137474), (102, 137576), (103, 137579), (110, 137633), (112, 137642), (122, 137711), (124, 137717), (142, 137768), (143, 137774), (147, 137792), (149, 137804), (163, 137879), (174, 137936), (204, 138062),

Gene: Leozinho_99 Start: 53578, Stop: 54189, Start Num: 65
Candidate Starts for Leozinho_99:
(43, 53476), (Start: 65 @53578 has 182 MA's), (85, 53638), (Start: 89 @53662 has 1 MA's), (149, 53977),

Gene: Leperchaun_105 Start: 57074, Stop: 57697, Start Num: 65
Candidate Starts for Leperchaun_105:
(43, 56972), (Start: 65 @57074 has 182 MA's), (85, 57134), (Start: 89 @57158 has 1 MA's), (98, 57206), (149, 57473),

Gene: Lethe_243 Start: 136578, Stop: 137240, Start Num: 63
Candidate Starts for Lethe_243:
(23, 136359), (24, 136362), (32, 136425), (45, 136545), (Start: 63 @136578 has 38 MA's), (74, 136593), (75, 136596), (87, 136644), (102, 136746), (103, 136749), (110, 136803), (112, 136812), (122, 136881), (124, 136887), (142, 136938), (143, 136944), (147, 136962), (149, 136974), (163, 137049), (174, 137106), (204, 137232),

Gene: LifeSavor_246 Start: 135984, Stop: 136646, Start Num: 68
Candidate Starts for LifeSavor_246:
(30, 135759), (45, 135882), (Start: 68 @135984 has 160 MA's), (74, 135999), (75, 136002), (87, 136050), (102, 136152), (103, 136155), (110, 136209), (112, 136218), (122, 136287), (124, 136293), (142, 136344), (143, 136350), (147, 136368), (149, 136380), (163, 136455), (174, 136512), (204, 136638),

Gene: LilJank_125 Start: 70294, Stop: 71058, Start Num: 58
Candidate Starts for LilJank_125:

(Start: 58 @70294 has 7 MA's), (Start: 62 @70306 has 55 MA's), (67, 70315), (80, 70369), (95, 70459), (101, 70504), (110, 70567), (116, 70606), (126, 70660), (133, 70681), (142, 70705), (143, 70711), (145, 70717), (148, 70732), (153, 70753), (161, 70813), (163, 70822), (168, 70864), (171, 70876), (198, 70984),

Gene: LilMoolah_106 Start: 57045, Stop: 57668, Start Num: 65
Candidate Starts for LilMoolah_106:
(37, 56874), (43, 56943), (Start: 65 @57045 has 182 MA's), (75, 57066), (85, 57105), (87, 57114), (Start: 89 @57129 has 1 MA's), (98, 57177), (102, 57216), (112, 57282), (114, 57297), (148, 57435), (149, 57444), (172, 57567),

Gene: Lilbit_85 Start: 47603, Stop: 48265, Start Num: 61
Candidate Starts for Lilbit_85:
(Start: 61 @47603 has 20 MA's), (79, 47651), (Start: 89 @47690 has 1 MA's), (98, 47738), (102, 47774), (106, 47801), (112, 47840), (113, 47861), (142, 47990), (157, 48071), (163, 48104), (165, 48125), (166, 48128), (184, 48194), (190, 48227), (197, 48254),

Gene: LinStu_242 Start: 134093, Stop: 134755, Start Num: 63
Candidate Starts for LinStu_242:
(23, 133874), (24, 133877), (32, 133940), (45, 134060), (Start: 63 @134093 has 38 MA's), (74, 134108), (75, 134111), (87, 134159), (97, 134219), (102, 134261), (103, 134264), (106, 134288), (110, 134318), (112, 134327), (122, 134396), (124, 134402), (142, 134453), (143, 134459), (147, 134477), (149, 134489), (163, 134564), (174, 134621), (204, 134747),

Gene: LittleLaf_87 Start: 47332, Stop: 47994, Start Num: 61
Candidate Starts for LittleLaf_87:
(Start: 61 @47332 has 20 MA's), (79, 47380), (Start: 89 @47419 has 1 MA's), (98, 47467), (102, 47503), (106, 47530), (112, 47569), (113, 47590), (142, 47719), (157, 47800), (163, 47833), (165, 47854), (166, 47857), (184, 47923), (190, 47956), (197, 47983),

Gene: LittleShirley_112 Start: 57908, Stop: 58519, Start Num: 65
Candidate Starts for LittleShirley_112:
(15, 57584), (20, 57611), (37, 57737), (43, 57806), (Start: 65 @57908 has 182 MA's), (75, 57929), (85, 57968), (87, 57977), (Start: 89 @57992 has 1 MA's), (98, 58040), (102, 58079), (112, 58145), (114, 58160), (149, 58307),

Gene: Littleton_249 Start: 135993, Stop: 136655, Start Num: 68
Candidate Starts for Littleton_249:
(30, 135768), (45, 135891), (Start: 68 @135993 has 160 MA's), (74, 136008), (75, 136011), (87, 136059), (102, 136161), (103, 136164), (110, 136218), (112, 136227), (122, 136296), (124, 136302), (142, 136353), (143, 136359), (147, 136377), (149, 136389), (163, 136464), (174, 136521), (204, 136647),

Gene: Lizziana_104 Start: 57303, Stop: 57926, Start Num: 65
Candidate Starts for Lizziana_104:
(43, 57201), (Start: 65 @57303 has 182 MA's), (75, 57324), (85, 57363), (87, 57372), (Start: 89 @57387 has 1 MA's), (112, 57540), (114, 57555), (149, 57702),

Gene: Llama_110 Start: 57380, Stop: 58003, Start Num: 62
Candidate Starts for Llama_110:
(Start: 62 @57380 has 55 MA's), (84, 57437), (85, 57440), (Start: 89 @57464 has 1 MA's), (98, 57512), (102, 57551), (103, 57554), (149, 57779),

Gene: Llij_98 Start: 54999, Stop: 55622, Start Num: 65
Candidate Starts for Llij_98:
(43, 54897), (Start: 65 @54999 has 182 MA's), (75, 55020), (85, 55059), (87, 55068), (Start: 89 @55083 has 1 MA's), (98, 55131), (102, 55170), (112, 55236), (114, 55251), (148, 55389), (149, 55398), (172, 55521),

Gene: Loanshark_242 Start: 135343, Stop: 136005, Start Num: 68
Candidate Starts for Loanshark_242:
(23, 135055), (24, 135058), (32, 135121), (45, 135241), (Start: 68 @135343 has 160 MA's), (74, 135358), (75, 135361), (87, 135409), (102, 135511), (103, 135514), (110, 135568), (112, 135577), (122, 135646), (124, 135652), (142, 135703), (143, 135709), (147, 135727), (149, 135739), (163, 135814), (174, 135871), (204, 135997),

Gene: LolaVinca_241 Start: 135596, Stop: 136258, Start Num: 63
Candidate Starts for LolaVinca_241:
(23, 135377), (24, 135380), (32, 135443), (45, 135563), (Start: 63 @135596 has 38 MA's), (74, 135611), (75, 135614), (87, 135662), (102, 135764), (103, 135767), (110, 135821), (112, 135830), (122, 135899), (124, 135905), (142, 135956), (143, 135962), (147, 135980), (149, 135992), (163, 136067), (174, 136124), (204, 136250),

Gene: LookingGlass_243 Start: 135501, Stop: 136163, Start Num: 68
Candidate Starts for LookingGlass_243:
(30, 135276), (45, 135399), (Start: 68 @135501 has 160 MA's), (74, 135516), (75, 135519), (87, 135567), (102, 135669), (103, 135672), (110, 135726), (112, 135735), (122, 135804), (124, 135810), (142, 135861), (143, 135867), (147, 135885), (149, 135897), (163, 135972), (174, 136029), (204, 136155),

Gene: LordLeafolot_246 Start: 135209, Stop: 135871, Start Num: 63
Candidate Starts for LordLeafolot_246:
(23, 134990), (24, 134993), (32, 135056), (45, 135176), (Start: 63 @135209 has 38 MA's), (74, 135224), (75, 135227), (87, 135275), (102, 135377), (103, 135380), (110, 135434), (112, 135443), (122, 135512), (124, 135518), (142, 135569), (143, 135575), (147, 135593), (149, 135605), (163, 135680), (174, 135737), (204, 135863),

Gene: LordVader_92 Start: 52911, Stop: 53522, Start Num: 65
Candidate Starts for LordVader_92:
(41, 52794), (42, 52800), (43, 52809), (Start: 65 @52911 has 182 MA's), (75, 52932), (85, 52971), (87, 52980), (Start: 89 @52995 has 1 MA's), (112, 53148), (114, 53163), (148, 53301), (149, 53310),

Gene: Lorde_106 Start: 53146, Stop: 53760, Start Num: 62
Candidate Starts for Lorde_106:
(44, 53035), (Start: 62 @53146 has 55 MA's), (85, 53209), (Start: 89 @53233 has 1 MA's), (112, 53386), (114, 53401), (149, 53548),

Gene: Lucia_103 Start: 53994, Stop: 54608, Start Num: 62
Candidate Starts for Lucia_103:
(44, 53883), (Start: 62 @53994 has 55 MA's), (85, 54057), (Start: 89 @54081 has 1 MA's), (112, 54234), (114, 54249), (149, 54396),

Gene: Lukilu_234 Start: 136219, Stop: 136881, Start Num: 68
Candidate Starts for Lukilu_234:
(30, 135994), (45, 136117), (Start: 68 @136219 has 160 MA's), (74, 136234), (75, 136237), (87, 136285), (102, 136387), (103, 136390), (110, 136444), (112, 136453), (122, 136522), (124, 136528),

(142, 136579), (143, 136585), (147, 136603), (149, 136615), (163, 136690), (174, 136747), (204, 136873),

Gene: LunaBlu_110 Start: 58192, Stop: 58815, Start Num: 66
Candidate Starts for LunaBlu_110:
(48, 58114), (52, 58156), (Start: 53 @58165 has 2 MA's), (Start: 66 @58192 has 18 MA's), (85, 58252), (87, 58261), (Start: 89 @58276 has 1 MA's), (102, 58363), (103, 58366), (105, 58384), (149, 58591), (172, 58714),

Gene: LunaStella_100 Start: 54660, Stop: 55265, Start Num: 68
Candidate Starts for LunaStella_100:
(Start: 68 @54660 has 160 MA's), (79, 54702), (Start: 89 @54741 has 1 MA's), (98, 54789), (102, 54828), (172, 55173),

Gene: Lunareta_242 Start: 135950, Stop: 136612, Start Num: 63
Candidate Starts for Lunareta_242:
(23, 135731), (24, 135734), (32, 135797), (45, 135917), (Start: 63 @135950 has 38 MA's), (74, 135965), (75, 135968), (87, 136016), (97, 136076), (102, 136118), (103, 136121), (106, 136145), (110, 136175), (112, 136184), (122, 136253), (124, 136259), (142, 136310), (143, 136316), (147, 136334), (149, 136346), (163, 136421), (174, 136478), (204, 136604),

Gene: Maby2021_245 Start: 136447, Stop: 137109, Start Num: 68
Candidate Starts for Maby2021_245:
(30, 136222), (45, 136345), (Start: 68 @136447 has 160 MA's), (74, 136462), (75, 136465), (87, 136513), (102, 136615), (103, 136618), (110, 136672), (112, 136681), (122, 136750), (124, 136756), (142, 136807), (143, 136813), (147, 136831), (149, 136843), (163, 136918), (174, 136975), (204, 137101),

Gene: MadKillah_37 Start: 18385, Stop: 19005, Start Num: 70
Candidate Starts for MadKillah_37:
(Start: 70 @18385 has 35 MA's), (75, 18403), (83, 18436), (87, 18451), (95, 18514), (102, 18559), (103, 18562), (115, 18643), (120, 18685), (141, 18748), (143, 18763), (145, 18769), (163, 18871), (176, 18922),

Gene: MadMen_108 Start: 56668, Stop: 57291, Start Num: 65
Candidate Starts for MadMen_108:
(43, 56566), (Start: 65 @56668 has 182 MA's), (85, 56728), (87, 56737), (Start: 89 @56752 has 1 MA's), (98, 56800), (102, 56839), (112, 56905), (114, 56920), (148, 57058), (149, 57067),

Gene: Madiba_102 Start: 55353, Stop: 55964, Start Num: 65
Candidate Starts for Madiba_102:
(9, 54915), (18, 55041), (19, 55044), (37, 55182), (43, 55251), (Start: 65 @55353 has 182 MA's), (85, 55413), (Start: 89 @55437 has 1 MA's), (98, 55485), (102, 55524), (103, 55527), (148, 55743), (149, 55752), (154, 55764), (179, 55890),

Gene: Maguvora_246 Start: 136188, Stop: 136850, Start Num: 68
Candidate Starts for Maguvora_246:
(30, 135963), (45, 136086), (Start: 68 @136188 has 160 MA's), (74, 136203), (75, 136206), (87, 136254), (102, 136356), (103, 136359), (110, 136413), (112, 136422), (122, 136491), (124, 136497), (142, 136548), (143, 136554), (147, 136572), (149, 136584), (163, 136659), (174, 136716), (204, 136842),

Gene: Mahavrat_97 Start: 54075, Stop: 54698, Start Num: 66

Candidate Starts for Mahavrat_97:
(8, 53562), (10, 53706), (14, 53742), (25, 53817), (29, 53853), (48, 53997), (52, 54039), (Start: 53 @54048 has 2 MA's), (Start: 66 @54075 has 18 MA's), (85, 54135), (Start: 89 @54159 has 1 MA's), (98, 54207), (149, 54474),

Gene: Mandlovu_101 Start: 54321, Stop: 54944, Start Num: 65
Candidate Starts for Mandlovu_101:
(18, 54009), (19, 54012), (37, 54150), (43, 54219), (Start: 65 @54321 has 182 MA's), (85, 54381), (Start: 89 @54405 has 1 MA's), (149, 54720), (172, 54843),

Gene: Mangeria_245 Start: 136153, Stop: 136815, Start Num: 63
Candidate Starts for Mangeria_245:
(23, 135934), (24, 135937), (32, 136000), (45, 136120), (Start: 63 @136153 has 38 MA's), (74, 136168), (75, 136171), (87, 136219), (102, 136321), (103, 136324), (110, 136378), (112, 136387), (122, 136456), (124, 136462), (142, 136513), (143, 136519), (147, 136537), (149, 136549), (163, 136624), (174, 136681), (204, 136807),

Gene: Mantra_101 Start: 55907, Stop: 56533, Start Num: 62
Candidate Starts for Mantra_101:
(44, 55796), (Start: 62 @55907 has 55 MA's), (85, 55970), (Start: 89 @55994 has 1 MA's), (112, 56147), (114, 56162), (149, 56309), (172, 56432),

Gene: Maravista_101 Start: 58264, Stop: 58887, Start Num: 65
Candidate Starts for Maravista_101:
(43, 58150), (Start: 65 @58264 has 182 MA's), (75, 58285), (85, 58324), (87, 58333), (Start: 89 @58348 has 1 MA's), (98, 58396), (102, 58435), (112, 58501), (114, 58516), (149, 58663),

Gene: Mareelih_92 Start: 50206, Stop: 50823, Start Num: 62
Candidate Starts for Mareelih_92:
(54, 50179), (Start: 62 @50206 has 55 MA's), (96, 50335), (114, 50461), (117, 50500), (149, 50620), (170, 50749), (187, 50806),

Gene: Marker_110 Start: 58118, Stop: 58729, Start Num: 65
Candidate Starts for Marker_110:
(Start: 65 @58118 has 182 MA's), (85, 58178), (Start: 89 @58202 has 1 MA's), (98, 58250), (114, 58370), (148, 58508), (149, 58517),

Gene: Martik_102 Start: 57764, Stop: 58387, Start Num: 65
Candidate Starts for Martik_102:
(43, 57662), (Start: 65 @57764 has 182 MA's), (85, 57824), (Start: 89 @57848 has 1 MA's), (148, 58154), (149, 58163),

Gene: Marvin_83 Start: 47128, Stop: 47790, Start Num: 61
Candidate Starts for Marvin_83:
(Start: 61 @47128 has 20 MA's), (79, 47176), (Start: 89 @47215 has 1 MA's), (98, 47263), (102, 47299), (106, 47326), (112, 47365), (113, 47386), (142, 47515), (157, 47596), (163, 47629), (165, 47650), (166, 47653), (184, 47719), (190, 47752), (197, 47779),

Gene: Matsumoto_243 Start: 135198, Stop: 135860, Start Num: 68
Candidate Starts for Matsumoto_243:
(30, 134973), (45, 135096), (Start: 68 @135198 has 160 MA's), (74, 135213), (75, 135216), (87, 135264), (102, 135366), (103, 135369), (110, 135423), (112, 135432), (122, 135501), (124, 135507), (142, 135558), (143, 135564), (147, 135582), (149, 135594), (163, 135669), (174, 135726), (204,

135852),

Gene: Mattes_104 Start: 56982, Stop: 57605, Start Num: 65
Candidate Starts for Mattes_104:
(43, 56880), (Start: 65 @56982 has 182 MA's), (85, 57042), (87, 57051), (Start: 89 @57066 has 1 MA's), (148, 57372), (149, 57381),

Gene: Maturis_239 Start: 134916, Stop: 135578, Start Num: 63
Candidate Starts for Maturis_239:
(23, 134697), (24, 134700), (32, 134763), (45, 134883), (Start: 63 @134916 has 38 MA's), (74, 134931), (75, 134934), (87, 134982), (97, 135042), (102, 135084), (103, 135087), (106, 135111), (110, 135141), (112, 135150), (122, 135219), (124, 135225), (142, 135276), (143, 135282), (149, 135312), (163, 135387), (174, 135444), (204, 135570),

Gene: McGee_246 Start: 135095, Stop: 135757, Start Num: 68
Candidate Starts for McGee_246:
(30, 134870), (45, 134993), (Start: 68 @135095 has 160 MA's), (74, 135110), (75, 135113), (87, 135161), (102, 135263), (103, 135266), (110, 135320), (112, 135329), (122, 135398), (124, 135404), (142, 135455), (143, 135461), (147, 135479), (149, 135491), (163, 135566), (174, 135623), (204, 135749),

Gene: McWolfish_242 Start: 135205, Stop: 135867, Start Num: 68
Candidate Starts for McWolfish_242:
(30, 134980), (45, 135103), (Start: 68 @135205 has 160 MA's), (74, 135220), (75, 135223), (87, 135271), (102, 135373), (103, 135376), (110, 135430), (112, 135439), (122, 135508), (124, 135514), (142, 135565), (143, 135571), (147, 135589), (149, 135601), (163, 135676), (174, 135733), (204, 135859),

Gene: Medindi_109 Start: 57590, Stop: 58213, Start Num: 65
Candidate Starts for Medindi_109:
(16, 57266), (21, 57293), (37, 57419), (43, 57488), (Start: 65 @57590 has 182 MA's), (75, 57611), (85, 57650), (87, 57659), (Start: 89 @57674 has 1 MA's), (98, 57722), (102, 57761), (112, 57827), (114, 57842), (149, 57989), (172, 58112),

Gene: Megamind_242 Start: 135530, Stop: 136192, Start Num: 68
Candidate Starts for Megamind_242:
(23, 135242), (24, 135245), (32, 135308), (45, 135428), (Start: 68 @135530 has 160 MA's), (74, 135545), (75, 135548), (87, 135596), (102, 135698), (103, 135701), (110, 135755), (112, 135764), (122, 135833), (124, 135839), (142, 135890), (143, 135896), (147, 135914), (149, 135926), (163, 136001), (174, 136058), (204, 136184),

Gene: Melissauren88_94 Start: 53264, Stop: 53887, Start Num: 65
Candidate Starts for Melissauren88_94:
(16, 52940), (21, 52967), (37, 53093), (43, 53162), (Start: 65 @53264 has 182 MA's), (75, 53285), (85, 53324), (87, 53333), (Start: 89 @53348 has 1 MA's), (98, 53396), (102, 53435), (112, 53501), (114, 53516), (148, 53654), (149, 53663), (172, 53786),

Gene: Melpomini_240 Start: 134290, Stop: 134952, Start Num: 68
Candidate Starts for Melpomini_240:
(30, 134065), (45, 134188), (Start: 68 @134290 has 160 MA's), (74, 134305), (75, 134308), (87, 134356), (102, 134458), (103, 134461), (110, 134515), (112, 134524), (122, 134593), (124, 134599), (142, 134650), (143, 134656), (147, 134674), (149, 134686), (163, 134761), (174, 134818), (204, 134944),

Gene: MikeLiesIn_246 Start: 136666, Stop: 137328, Start Num: 68
Candidate Starts for MikeLiesIn_246:
(23, 136378), (24, 136381), (32, 136444), (45, 136564), (Start: 68 @136666 has 160 MA's), (74, 136681), (75, 136684), (87, 136732), (102, 136834), (103, 136837), (110, 136891), (112, 136900), (122, 136969), (124, 136975), (142, 137026), (143, 137032), (147, 137050), (149, 137062), (163, 137137), (174, 137194), (204, 137320),

Gene: Mikro_239 Start: 137109, Stop: 137771, Start Num: 63
Candidate Starts for Mikro_239:
(23, 136890), (24, 136893), (32, 136956), (45, 137076), (Start: 63 @137109 has 38 MA's), (74, 137124), (75, 137127), (87, 137175), (102, 137277), (103, 137280), (110, 137334), (112, 137343), (122, 137412), (124, 137418), (142, 137469), (143, 137475), (147, 137493), (149, 137505), (163, 137580), (174, 137637), (204, 137763),

Gene: MilanaBonita_97 Start: 55160, Stop: 55783, Start Num: 65
Candidate Starts for MilanaBonita_97:
(16, 54836), (21, 54863), (37, 54989), (43, 55058), (Start: 65 @55160 has 182 MA's), (75, 55181), (85, 55220), (87, 55229), (Start: 89 @55244 has 1 MA's), (98, 55292), (102, 55331), (112, 55397), (114, 55412), (148, 55550), (149, 55559),

Gene: MilleniumForce_104 Start: 57015, Stop: 57638, Start Num: 65
Candidate Starts for MilleniumForce_104:
(43, 56913), (Start: 65 @57015 has 182 MA's), (75, 57036), (85, 57075), (87, 57084), (Start: 89 @57099 has 1 MA's), (98, 57147), (102, 57186), (112, 57252), (114, 57267), (149, 57414), (172, 57537),

Gene: MinionDave_102 Start: 56936, Stop: 57559, Start Num: 65
Candidate Starts for MinionDave_102:
(43, 56834), (Start: 65 @56936 has 182 MA's), (75, 56957), (85, 56996), (87, 57005), (Start: 89 @57020 has 1 MA's), (98, 57068), (112, 57173), (114, 57188), (149, 57335), (172, 57458),

Gene: Minnie_98 Start: 57394, Stop: 58017, Start Num: 65
Candidate Starts for Minnie_98:
(43, 57292), (Start: 65 @57394 has 182 MA's), (85, 57454), (Start: 89 @57478 has 1 MA's), (112, 57631), (114, 57646), (149, 57793),

Gene: Misha28_93 Start: 56752, Stop: 57363, Start Num: 65
Candidate Starts for Misha28_93:
(42, 56641), (43, 56650), (Start: 65 @56752 has 182 MA's), (75, 56773), (85, 56812), (87, 56821), (Start: 89 @56836 has 1 MA's), (98, 56884), (102, 56923), (112, 56989), (114, 57004), (148, 57142), (149, 57151),

Gene: MisterCuddles_103 Start: 56633, Stop: 57256, Start Num: 65
Candidate Starts for MisterCuddles_103:
(43, 56531), (Start: 65 @56633 has 182 MA's), (85, 56693), (Start: 89 @56717 has 1 MA's), (98, 56765), (149, 57032),

Gene: MoMoMixon_241 Start: 135671, Stop: 136333, Start Num: 68
Candidate Starts for MoMoMixon_241:
(30, 135446), (45, 135569), (Start: 68 @135671 has 160 MA's), (74, 135686), (75, 135689), (87, 135737), (102, 135839), (103, 135842), (110, 135896), (112, 135905), (122, 135974), (124, 135980), (142, 136031), (143, 136037), (147, 136055), (149, 136067), (163, 136142), (174, 136199), (204,

136325),

Gene: Moby_242 Start: 134400, Stop: 135062, Start Num: 63
Candidate Starts for Moby_242:
(Start: 63 @134400 has 38 MA's), (74, 134415), (75, 134418), (87, 134466), (97, 134526), (102, 134568), (103, 134571), (106, 134595), (110, 134625), (112, 134634), (122, 134703), (124, 134709), (142, 134760), (143, 134766), (147, 134784), (149, 134796), (163, 134871), (174, 134928), (204, 135054),

Gene: Modragons_106 Start: 57368, Stop: 57991, Start Num: 62
Candidate Starts for Modragons_106:
(Start: 62 @57368 has 55 MA's), (84, 57425), (85, 57428), (Start: 89 @57452 has 1 MA's), (98, 57500), (102, 57539), (103, 57542), (149, 57767),

Gene: Moiqah_241 Start: 134377, Stop: 135039, Start Num: 63
Candidate Starts for Moiqah_241:
(Start: 63 @134377 has 38 MA's), (74, 134392), (75, 134395), (87, 134443), (97, 134503), (102, 134545), (103, 134548), (106, 134572), (110, 134602), (112, 134611), (122, 134680), (124, 134686), (142, 134737), (143, 134743), (147, 134761), (149, 134773), (163, 134848), (174, 134905), (204, 135031),

Gene: Momo_247 Start: 134756, Stop: 135418, Start Num: 68
Candidate Starts for Momo_247:
(30, 134531), (45, 134654), (Start: 68 @134756 has 160 MA's), (74, 134771), (75, 134774), (87, 134822), (102, 134924), (103, 134927), (110, 134981), (112, 134990), (122, 135059), (124, 135065), (142, 135116), (143, 135122), (147, 135140), (149, 135152), (163, 135227), (174, 135284), (204, 135410),

Gene: Montpel_242 Start: 135948, Stop: 136610, Start Num: 63
Candidate Starts for Montpel_242:
(23, 135729), (24, 135732), (32, 135795), (45, 135915), (Start: 63 @135948 has 38 MA's), (74, 135963), (75, 135966), (87, 136014), (97, 136074), (102, 136116), (103, 136119), (106, 136143), (110, 136173), (112, 136182), (122, 136251), (124, 136257), (142, 136308), (143, 136314), (147, 136332), (149, 136344), (163, 136419), (174, 136476), (204, 136602),

Gene: MooMoo_96 Start: 54113, Stop: 54733, Start Num: 72
Candidate Starts for MooMoo_96:
(7, 53540), (12, 53708), (16, 53744), (22, 53780), (35, 53888), (36, 53891), (50, 54035), (Start: 72 @54113 has 3 MA's), (79, 54149), (164, 54599), (192, 54716),

Gene: Moonbeam_106 Start: 56892, Stop: 57515, Start Num: 65
Candidate Starts for Moonbeam_106:
(43, 56790), (Start: 65 @56892 has 182 MA's), (75, 56913), (85, 56952), (87, 56961), (Start: 89 @56976 has 1 MA's), (98, 57024), (102, 57063), (112, 57129), (149, 57291), (172, 57414),

Gene: Mori_35 Start: 18046, Stop: 18666, Start Num: 70
Candidate Starts for Mori_35:
(Start: 70 @18046 has 35 MA's), (75, 18064), (83, 18097), (87, 18112), (95, 18175), (102, 18220), (103, 18223), (115, 18304), (120, 18346), (141, 18409), (143, 18424), (145, 18430), (163, 18532), (176, 18583),

Gene: Morizzled23_242 Start: 134123, Stop: 134785, Start Num: 68
Candidate Starts for Morizzled23_242:

(30, 133898), (45, 134021), (Start: 68 @134123 has 160 MA's), (74, 134138), (75, 134141), (87, 134189), (102, 134291), (103, 134294), (110, 134348), (112, 134357), (122, 134426), (124, 134432), (142, 134483), (143, 134489), (147, 134507), (149, 134519), (163, 134594), (174, 134651), (204, 134777),

Gene: MosMoris_83 Start: 47023, Stop: 47685, Start Num: 61
Candidate Starts for MosMoris_83:
(Start: 61 @47023 has 20 MA's), (79, 47071), (Start: 89 @47110 has 1 MA's), (98, 47158), (102, 47194), (106, 47221), (112, 47260), (113, 47281), (142, 47410), (157, 47491), (163, 47524), (165, 47545), (166, 47548), (190, 47647), (197, 47674),

Gene: Mova_106 Start: 56897, Stop: 57508, Start Num: 65
Candidate Starts for Mova_106:
(43, 56795), (Start: 65 @56897 has 182 MA's), (75, 56918), (85, 56957), (87, 56966), (Start: 89 @56981 has 1 MA's), (98, 57029), (102, 57068), (112, 57134), (114, 57149), (148, 57287), (149, 57296),

Gene: Mozy_108 Start: 56575, Stop: 57186, Start Num: 66
Candidate Starts for Mozy_108:
(48, 56497), (52, 56539), (Start: 53 @56548 has 2 MA's), (Start: 66 @56575 has 18 MA's), (85, 56635), (Start: 89 @56659 has 1 MA's), (102, 56746), (149, 56974),

Gene: Ms6_106 Start: 53155, Stop: 53778, Start Num: 65
Candidate Starts for Ms6_106:
(16, 52831), (21, 52858), (37, 52984), (43, 53053), (Start: 65 @53155 has 182 MA's), (75, 53176), (85, 53215), (87, 53224), (Start: 89 @53239 has 1 MA's), (98, 53287), (102, 53326), (112, 53392), (114, 53407), (148, 53545), (149, 53554), (172, 53677),

Gene: MulchExplorer_104 Start: 55795, Stop: 56406, Start Num: 65
Candidate Starts for MulchExplorer_104:
(15, 55471), (20, 55498), (37, 55624), (43, 55693), (Start: 65 @55795 has 182 MA's), (75, 55816), (85, 55855), (87, 55864), (Start: 89 @55879 has 1 MA's), (98, 55927), (102, 55966), (112, 56032), (114, 56047), (149, 56194),

Gene: MulchSalad_101 Start: 57325, Stop: 57948, Start Num: 65
Candidate Starts for MulchSalad_101:
(41, 57208), (42, 57214), (43, 57223), (Start: 65 @57325 has 182 MA's), (75, 57346), (85, 57385), (87, 57394), (Start: 89 @57409 has 1 MA's), (112, 57562), (149, 57724),

Gene: Murai_36 Start: 18236, Stop: 18856, Start Num: 70
Candidate Starts for Murai_36:
(Start: 70 @18236 has 35 MA's), (75, 18254), (83, 18287), (87, 18302), (95, 18365), (102, 18410), (103, 18413), (115, 18494), (120, 18536), (141, 18599), (143, 18614), (145, 18620), (163, 18722), (176, 18773),

Gene: Mutaforma13_105 Start: 56610, Stop: 57233, Start Num: 66
Candidate Starts for Mutaforma13_105:
(25, 56352), (29, 56388), (48, 56532), (52, 56574), (Start: 53 @56583 has 2 MA's), (Start: 66 @56610 has 18 MA's), (85, 56670), (Start: 89 @56694 has 1 MA's), (114, 56862), (149, 57009), (172, 57132),

Gene: Mwanjiwa_106 Start: 57735, Stop: 58385, Start Num: 53
Candidate Starts for Mwanjiwa_106:

(48, 57684), (52, 57726), (Start: 53 @57735 has 2 MA's), (Start: 66 @57762 has 18 MA's), (85, 57822), (Start: 89 @57846 has 1 MA's), (102, 57933), (149, 58161),

Gene: Myrna_238 Start: 138139, Stop: 138837, Start Num: 63
Candidate Starts for Myrna_238:
(Start: 63 @138139 has 38 MA's), (76, 138169), (102, 138307), (103, 138310), (105, 138328), (112, 138373), (115, 138391), (124, 138457), (127, 138466), (143, 138523), (154, 138565), (156, 138589), (163, 138643), (181, 138715), (192, 138775),

Gene: Naija_246 Start: 135459, Stop: 136121, Start Num: 68
Candidate Starts for Naija_246:
(30, 135234), (45, 135357), (Start: 68 @135459 has 160 MA's), (74, 135474), (75, 135477), (87, 135525), (102, 135627), (103, 135630), (110, 135684), (112, 135693), (122, 135762), (124, 135768), (142, 135819), (143, 135825), (147, 135843), (149, 135855), (163, 135930), (174, 135987), (204, 136113),

Gene: Napoleon13_242 Start: 134488, Stop: 135150, Start Num: 68
Candidate Starts for Napoleon13_242:
(30, 134263), (45, 134386), (Start: 68 @134488 has 160 MA's), (74, 134503), (75, 134506), (87, 134554), (102, 134656), (103, 134659), (110, 134713), (112, 134722), (122, 134791), (124, 134797), (142, 134848), (143, 134854), (147, 134872), (149, 134884), (163, 134959), (174, 135016), (204, 135142),

Gene: Nappy_244 Start: 136565, Stop: 137227, Start Num: 63
Candidate Starts for Nappy_244:
(23, 136346), (24, 136349), (32, 136412), (45, 136532), (Start: 63 @136565 has 38 MA's), (74, 136580), (75, 136583), (87, 136631), (102, 136733), (103, 136736), (110, 136790), (112, 136799), (122, 136868), (124, 136874), (142, 136925), (143, 136931), (147, 136949), (149, 136961), (163, 137036), (174, 137093), (204, 137219),

Gene: Naval22_252 Start: 137239, Stop: 137901, Start Num: 68
Candidate Starts for Naval22_252:
(30, 137014), (45, 137137), (Start: 68 @137239 has 160 MA's), (74, 137254), (75, 137257), (87, 137305), (102, 137407), (103, 137410), (110, 137464), (112, 137473), (122, 137542), (124, 137548), (142, 137599), (143, 137605), (147, 137623), (149, 137635), (163, 137710), (174, 137767), (204, 137893),

Gene: NedWong_244 Start: 135917, Stop: 136579, Start Num: 68
Candidate Starts for NedWong_244:
(23, 135629), (24, 135632), (32, 135695), (45, 135815), (Start: 68 @135917 has 160 MA's), (74, 135932), (75, 135935), (87, 135983), (102, 136085), (103, 136088), (110, 136142), (112, 136151), (122, 136220), (124, 136226), (142, 136277), (143, 136283), (147, 136301), (149, 136313), (163, 136388), (174, 136445), (204, 136571),

Gene: Neville_124 Start: 69514, Stop: 70278, Start Num: 58
Candidate Starts for Neville_124:
(Start: 58 @69514 has 7 MA's), (Start: 62 @69526 has 55 MA's), (67, 69535), (80, 69589), (95, 69679), (101, 69724), (110, 69787), (116, 69826), (126, 69880), (133, 69901), (142, 69925), (143, 69931), (145, 69937), (148, 69952), (153, 69973), (161, 70033), (163, 70042), (171, 70096), (198, 70204),

Gene: NewHope4_111 Start: 56318, Stop: 56941, Start Num: 66
Candidate Starts for NewHope4_111:

(48, 56240), (52, 56282), (Start: 53 @56291 has 2 MA's), (Start: 66 @56318 has 18 MA's), (85, 56378), (87, 56387), (Start: 89 @56402 has 1 MA's), (102, 56489), (103, 56492), (105, 56510), (149, 56717),

Gene: Ngannou_240 Start: 134441, Stop: 135103, Start Num: 68
Candidate Starts for Ngannou_240:
(30, 134216), (45, 134339), (Start: 68 @134441 has 160 MA's), (74, 134456), (75, 134459), (87, 134507), (102, 134609), (103, 134612), (110, 134666), (112, 134675), (122, 134744), (124, 134750), (142, 134801), (143, 134807), (147, 134825), (149, 134837), (163, 134912), (174, 134969), (204, 135095),

Gene: Nichirin_105 Start: 57223, Stop: 57846, Start Num: 62
Candidate Starts for Nichirin_105:
(Start: 62 @57223 has 55 MA's), (84, 57280), (85, 57283), (Start: 89 @57307 has 1 MA's), (98, 57355), (102, 57394), (103, 57397), (114, 57475), (149, 57622), (172, 57745),

Gene: Nidhogg_246 Start: 136285, Stop: 136947, Start Num: 68
Candidate Starts for Nidhogg_246:
(23, 135997), (24, 136000), (32, 136063), (45, 136183), (Start: 68 @136285 has 160 MA's), (74, 136300), (75, 136303), (87, 136351), (102, 136453), (103, 136456), (110, 136510), (112, 136519), (122, 136588), (124, 136594), (142, 136645), (143, 136651), (147, 136669), (149, 136681), (163, 136756), (174, 136813), (204, 136939),

Gene: NiebruSaylor_35 Start: 18047, Stop: 18667, Start Num: 70
Candidate Starts for NiebruSaylor_35:
(Start: 70 @18047 has 35 MA's), (75, 18065), (83, 18098), (87, 18113), (95, 18176), (102, 18221), (103, 18224), (115, 18305), (120, 18347), (141, 18410), (143, 18425), (145, 18431), (163, 18533), (176, 18584),

Gene: Nimbo_95 Start: 54646, Stop: 55269, Start Num: 65
Candidate Starts for Nimbo_95:
(43, 54544), (Start: 65 @54646 has 182 MA's), (85, 54706), (Start: 89 @54730 has 1 MA's), (98, 54778), (149, 55045),

Gene: Nitzel_98 Start: 53766, Stop: 54389, Start Num: 66
Candidate Starts for Nitzel_98:
(48, 53688), (52, 53730), (Start: 53 @53739 has 2 MA's), (Start: 66 @53766 has 18 MA's), (85, 53826), (87, 53835), (Start: 89 @53850 has 1 MA's), (98, 53898), (102, 53937), (112, 54003), (114, 54018), (149, 54165),

Gene: Nivrat_103 Start: 56918, Stop: 57541, Start Num: 65
Candidate Starts for Nivrat_103:
(37, 56747), (43, 56816), (Start: 65 @56918 has 182 MA's), (75, 56939), (85, 56978), (87, 56987), (Start: 89 @57002 has 1 MA's), (98, 57050), (102, 57089), (112, 57155), (114, 57170), (148, 57308), (149, 57317), (172, 57440),

Gene: NoodleTree_241 Start: 131036, Stop: 131698, Start Num: 68
Candidate Starts for NoodleTree_241:
(30, 130811), (45, 130934), (Start: 68 @131036 has 160 MA's), (74, 131051), (75, 131054), (87, 131102), (102, 131204), (103, 131207), (110, 131261), (112, 131270), (122, 131339), (124, 131345), (142, 131396), (143, 131402), (147, 131420), (149, 131432), (163, 131507), (174, 131564), (204, 131690),

Gene: Norm_245 Start: 136186, Stop: 136848, Start Num: 68

Candidate Starts for Norm_245:
(23, 135898), (24, 135901), (32, 135964), (45, 136084), (Start: 68 @136186 has 160 MA's), (74, 136201), (75, 136204), (87, 136252), (102, 136354), (103, 136357), (110, 136411), (112, 136420), (122, 136489), (124, 136495), (142, 136546), (143, 136552), (147, 136570), (149, 136582), (163, 136657), (174, 136714), (204, 136840),

Gene: NormanBulbieJr_101 Start: 57012, Stop: 57635, Start Num: 65
Candidate Starts for NormanBulbieJr_101:
(43, 56910), (Start: 65 @57012 has 182 MA's), (75, 57033), (85, 57072), (87, 57081), (Start: 89 @57096 has 1 MA's), (98, 57144), (102, 57183), (112, 57249), (114, 57264), (149, 57411), (172, 57534),

Gene: NuevoMundo_247 Start: 136672, Stop: 137334, Start Num: 63
Candidate Starts for NuevoMundo_247:
(23, 136453), (24, 136456), (32, 136519), (45, 136639), (Start: 63 @136672 has 38 MA's), (74, 136687), (75, 136690), (87, 136738), (102, 136840), (103, 136843), (110, 136897), (112, 136906), (122, 136975), (124, 136981), (142, 137032), (143, 137038), (147, 137056), (149, 137068), (163, 137143), (174, 137200), (204, 137326),

Gene: Ochi17_109 Start: 56975, Stop: 57598, Start Num: 62
Candidate Starts for Ochi17_109:
(Start: 62 @56975 has 55 MA's), (84, 57032), (85, 57035), (Start: 89 @57059 has 1 MA's), (98, 57107), (102, 57146), (103, 57149), (149, 57374),

Gene: Octobien14_121 Start: 66719, Stop: 67435, Start Num: 56
Candidate Starts for Octobien14_121:
(Start: 56 @66719 has 4 MA's), (99, 66905), (109, 66962), (110, 66968), (115, 66995), (137, 67091), (141, 67094), (142, 67103), (145, 67115), (153, 67151), (164, 67232), (167, 67253), (169, 67268), (185, 67325),

Gene: OfUltron_110 Start: 57524, Stop: 58147, Start Num: 62
Candidate Starts for OfUltron_110:
(Start: 62 @57524 has 55 MA's), (84, 57581), (85, 57584), (Start: 89 @57608 has 1 MA's), (98, 57656), (102, 57695), (103, 57698), (149, 57923),

Gene: Ogopogo_110 Start: 56130, Stop: 56741, Start Num: 62
Candidate Starts for Ogopogo_110:
(44, 56019), (Start: 62 @56130 has 55 MA's), (79, 56178), (90, 56223), (98, 56265), (102, 56304), (103, 56307), (148, 56523), (149, 56532),

Gene: Okabe_98 Start: 53300, Stop: 53926, Start Num: 62
Candidate Starts for Okabe_98:
(44, 53189), (Start: 62 @53300 has 55 MA's), (78, 53342), (79, 53348), (90, 53393), (98, 53435), (102, 53474), (103, 53477), (149, 53702), (173, 53825),

Gene: Oksu_109 Start: 58614, Stop: 59225, Start Num: 62
Candidate Starts for Oksu_109:
(Start: 62 @58614 has 55 MA's), (84, 58671), (85, 58674), (Start: 89 @58698 has 1 MA's), (98, 58746), (102, 58785), (103, 58788), (149, 59013),

Gene: OldBen_100 Start: 56038, Stop: 56661, Start Num: 65
Candidate Starts for OldBen_100:

(43, 55936), (Start: 65 @56038 has 182 MA's), (85, 56098), (Start: 89 @56122 has 1 MA's), (98, 56170), (149, 56437),

Gene: OlympiaSaint_107 Start: 57206, Stop: 57829, Start Num: 65
Candidate Starts for OlympiaSaint_107:
(41, 57089), (42, 57095), (43, 57104), (Start: 65 @57206 has 182 MA's), (75, 57227), (85, 57266), (87, 57275), (Start: 89 @57290 has 1 MA's), (98, 57338), (102, 57377), (112, 57443), (114, 57458), (149, 57605), (172, 57728),

Gene: OrediggerDelux_246 Start: 136412, Stop: 137074, Start Num: 68
Candidate Starts for OrediggerDelux_246:
(23, 136124), (24, 136127), (32, 136190), (45, 136310), (Start: 68 @136412 has 160 MA's), (74, 136427), (75, 136430), (87, 136478), (102, 136580), (103, 136583), (110, 136637), (112, 136646), (122, 136715), (124, 136721), (142, 136772), (143, 136778), (147, 136796), (149, 136808), (163, 136883), (174, 136940), (204, 137066),

Gene: Ovechkin_106 Start: 57220, Stop: 57870, Start Num: 53
Candidate Starts for Ovechkin_106:
(48, 57169), (52, 57211), (Start: 53 @57220 has 2 MA's), (Start: 66 @57247 has 18 MA's), (85, 57307), (87, 57316), (Start: 89 @57331 has 1 MA's), (102, 57418), (112, 57484), (114, 57499), (149, 57646), (172, 57769),

Gene: OwlsT2W_103 Start: 55809, Stop: 56423, Start Num: 62
Candidate Starts for OwlsT2W_103:
(44, 55698), (Start: 62 @55809 has 55 MA's), (85, 55872), (Start: 89 @55896 has 1 MA's), (112, 56049), (114, 56064), (149, 56211),

Gene: PHappiness_103 Start: 56867, Stop: 57490, Start Num: 65
Candidate Starts for PHappiness_103:
(43, 56765), (Start: 65 @56867 has 182 MA's), (85, 56927), (Start: 89 @56951 has 1 MA's), (98, 56999), (149, 57266),

Gene: PMC_103 Start: 55601, Stop: 56224, Start Num: 66
Candidate Starts for PMC_103:
(48, 55523), (52, 55565), (Start: 53 @55574 has 2 MA's), (Start: 66 @55601 has 18 MA's), (85, 55661), (Start: 89 @55685 has 1 MA's), (102, 55772), (103, 55775), (149, 56000), (172, 56123),

Gene: Pacc40_100 Start: 57463, Stop: 58086, Start Num: 65
Candidate Starts for Pacc40_100:
(42, 57352), (43, 57361), (Start: 65 @57463 has 182 MA's), (75, 57484), (85, 57523), (87, 57532), (Start: 89 @57547 has 1 MA's), (112, 57700), (114, 57715), (149, 57862), (172, 57985),

Gene: ParkTD_244 Start: 135756, Stop: 136418, Start Num: 68
Candidate Starts for ParkTD_244:
(23, 135468), (24, 135471), (32, 135534), (45, 135654), (Start: 68 @135756 has 160 MA's), (74, 135771), (75, 135774), (87, 135822), (102, 135924), (103, 135927), (110, 135981), (112, 135990), (122, 136059), (124, 136065), (142, 136116), (143, 136122), (147, 136140), (149, 136152), (163, 136227), (174, 136284), (204, 136410),

Gene: PatoPoderoso_105 Start: 59176, Stop: 59799, Start Num: 65
Candidate Starts for PatoPoderoso_105:
(43, 59074), (Start: 65 @59176 has 182 MA's), (75, 59197), (85, 59236), (87, 59245), (Start: 89 @59260 has 1 MA's), (98, 59308), (102, 59347), (112, 59413), (114, 59428), (148, 59566), (149,

59575), (172, 59698),

Gene: Patter_247 Start: 135416, Stop: 136078, Start Num: 63
Candidate Starts for Patter_247:
(23, 135197), (24, 135200), (32, 135263), (45, 135383), (Start: 63 @135416 has 38 MA's), (74, 135431), (75, 135434), (87, 135482), (102, 135584), (103, 135587), (110, 135641), (112, 135650), (122, 135719), (124, 135725), (142, 135776), (143, 135782), (147, 135800), (149, 135812), (163, 135887), (174, 135944), (204, 136070),

Gene: Peridot_107 Start: 56454, Stop: 57065, Start Num: 65
Candidate Starts for Peridot_107:
(43, 56352), (Start: 65 @56454 has 182 MA's), (85, 56514), (Start: 89 @56538 has 1 MA's), (98, 56586), (149, 56853),

Gene: Phabba_248 Start: 137546, Stop: 138244, Start Num: 63
Candidate Starts for Phabba_248:
(Start: 63 @137546 has 38 MA's), (82, 137594), (85, 137603), (102, 137714), (103, 137717), (115, 137798), (123, 137858), (124, 137864), (127, 137873), (139, 137912), (154, 137972), (181, 138122), (183, 138128),

Gene: Phalconet_105 Start: 56557, Stop: 57180, Start Num: 65
Candidate Starts for Phalconet_105:
(16, 56233), (37, 56386), (43, 56455), (Start: 65 @56557 has 182 MA's), (75, 56578), (85, 56617), (87, 56626), (Start: 89 @56641 has 1 MA's), (98, 56689), (102, 56728), (112, 56794), (114, 56809), (149, 56956), (172, 57079),

Gene: Phanphagia_108 Start: 57836, Stop: 58459, Start Num: 65
Candidate Starts for Phanphagia_108:
(43, 57734), (Start: 65 @57836 has 182 MA's), (75, 57857), (85, 57896), (87, 57905), (Start: 89 @57920 has 1 MA's), (98, 57968), (102, 58007), (105, 58028), (112, 58073), (114, 58088), (149, 58235),

Gene: PharkleMinkus_245 Start: 134360, Stop: 135022, Start Num: 63
Candidate Starts for PharkleMinkus_245:
(23, 134141), (24, 134144), (32, 134207), (45, 134327), (Start: 63 @134360 has 38 MA's), (74, 134375), (75, 134378), (87, 134426), (102, 134528), (103, 134531), (110, 134585), (112, 134594), (122, 134663), (124, 134669), (142, 134720), (143, 134726), (147, 134744), (149, 134756), (163, 134831), (174, 134888), (204, 135014),

Gene: Phasih_99 Start: 55034, Stop: 55657, Start Num: 65
Candidate Starts for Phasih_99:
(43, 54932), (Start: 65 @55034 has 182 MA's), (75, 55055), (85, 55094), (87, 55103), (Start: 89 @55118 has 1 MA's), (102, 55205), (112, 55271), (114, 55286), (148, 55424), (149, 55433), (172, 55556),

Gene: Phatniss_100 Start: 55413, Stop: 56036, Start Num: 65
Candidate Starts for Phatniss_100:
(43, 55311), (Start: 65 @55413 has 182 MA's), (75, 55434), (85, 55473), (87, 55482), (Start: 89 @55497 has 1 MA's), (98, 55545), (102, 55584), (112, 55650), (114, 55665), (148, 55803), (149, 55812), (172, 55935),

Gene: Phendrix_80 Start: 42302, Stop: 42907, Start Num: 62
Candidate Starts for Phendrix_80:

(55, 42278), (Start: 62 @42302 has 55 MA's), (84, 42362), (102, 42476), (104, 42482), (115, 42560), (123, 42620), (135, 42659), (137, 42668), (142, 42680), (145, 42692), (149, 42716), (153, 42728), (166, 42818), (170, 42842),

Gene: PhesterPhotato_108 Start: 56531, Stop: 57154, Start Num: 65
Candidate Starts for PhesterPhotato_108:
(16, 56207), (37, 56360), (43, 56429), (Start: 65 @56531 has 182 MA's), (75, 56552), (85, 56591), (87, 56600), (Start: 89 @56615 has 1 MA's), (98, 56663), (102, 56702), (112, 56768), (114, 56783), (149, 56930), (172, 57053),

Gene: Philus_107 Start: 58143, Stop: 58766, Start Num: 65
Candidate Starts for Philus_107:
(41, 58026), (42, 58032), (43, 58041), (Start: 65 @58143 has 182 MA's), (75, 58164), (85, 58203), (87, 58212), (Start: 89 @58227 has 1 MA's), (112, 58380), (114, 58395), (149, 58542), (172, 58665),

Gene: Phlegm_250 Start: 136162, Stop: 136824, Start Num: 68
Candidate Starts for Phlegm_250:
(30, 135937), (45, 136060), (Start: 68 @136162 has 160 MA's), (74, 136177), (75, 136180), (87, 136228), (102, 136330), (103, 136333), (110, 136387), (112, 136396), (122, 136465), (124, 136471), (142, 136522), (143, 136528), (147, 136546), (149, 136558), (163, 136633), (174, 136690), (204, 136816),

Gene: PhlipPhlop_92 Start: 57493, Stop: 58116, Start Num: 65
Candidate Starts for PhlipPhlop_92:
(43, 57391), (Start: 65 @57493 has 182 MA's), (85, 57553), (87, 57562), (Start: 89 @57577 has 1 MA's), (98, 57625), (102, 57664), (112, 57730), (114, 57745), (149, 57892), (172, 58015),

Gene: Phox_246 Start: 135411, Stop: 136073, Start Num: 68
Candidate Starts for Phox_246:
(23, 135123), (24, 135126), (32, 135189), (45, 135309), (Start: 68 @135411 has 160 MA's), (74, 135426), (75, 135429), (87, 135477), (102, 135579), (103, 135582), (110, 135636), (112, 135645), (122, 135714), (124, 135720), (142, 135771), (143, 135777), (147, 135795), (149, 135807), (163, 135882), (174, 135939), (204, 136065),

Gene: Phrappuccino_154 Start: 105857, Stop: 106741, Start Num: 38
Candidate Starts for Phrappuccino_154:
(Start: 38 @105857 has 2 MA's), (39, 105905), (40, 105914), (46, 105947), (73, 106070), (108, 106283), (114, 106316), (145, 106448), (163, 106550), (184, 106646), (201, 106721), (202, 106727), (203, 106730),

Gene: Phusco_244 Start: 134994, Stop: 135656, Start Num: 68
Candidate Starts for Phusco_244:
(30, 134769), (45, 134892), (Start: 68 @134994 has 160 MA's), (74, 135009), (75, 135012), (87, 135060), (102, 135162), (103, 135165), (110, 135219), (112, 135228), (122, 135297), (124, 135303), (142, 135354), (143, 135360), (147, 135378), (149, 135390), (163, 135465), (174, 135522), (204, 135648),

Gene: Pier_244 Start: 136287, Stop: 136949, Start Num: 68
Candidate Starts for Pier_244:
(23, 135999), (24, 136002), (32, 136065), (45, 136185), (Start: 68 @136287 has 160 MA's), (74, 136302), (75, 136305), (87, 136353), (102, 136455), (103, 136458), (110, 136512), (112, 136521), (122, 136590), (124, 136596), (142, 136647), (143, 136653), (147, 136671), (149, 136683), (163, 136758), (174, 136815), (204, 136941),

Gene: Pinkcreek_225 Start: 132624, Stop: 133286, Start Num: 63
Candidate Starts for Pinkcreek_225:
(Start: 63 @132624 has 38 MA's), (74, 132639), (75, 132642), (87, 132690), (97, 132750), (102, 132792), (103, 132795), (106, 132819), (110, 132849), (112, 132858), (122, 132927), (124, 132933), (142, 132984), (143, 132990), (147, 133008), (149, 133020), (163, 133095), (174, 133152), (204, 133278),

Gene: Pio_252 Start: 137490, Stop: 138152, Start Num: 68
Candidate Starts for Pio_252:
(30, 137265), (45, 137388), (Start: 68 @137490 has 160 MA's), (74, 137505), (75, 137508), (87, 137556), (102, 137658), (103, 137661), (110, 137715), (112, 137724), (122, 137793), (124, 137799), (142, 137850), (143, 137856), (147, 137874), (149, 137886), (163, 137961), (174, 138018), (204, 138144),

Gene: Piper2020_98 Start: 57000, Stop: 57611, Start Num: 65
Candidate Starts for Piper2020_98:
(42, 56889), (43, 56898), (Start: 65 @57000 has 182 MA's), (75, 57021), (85, 57060), (87, 57069), (Start: 89 @57084 has 1 MA's), (98, 57132), (102, 57171), (112, 57237), (114, 57252), (148, 57390), (149, 57399),

Gene: Pippy_102 Start: 55572, Stop: 56195, Start Num: 65
Candidate Starts for Pippy_102:
(43, 55470), (Start: 65 @55572 has 182 MA's), (75, 55593), (85, 55632), (87, 55641), (Start: 89 @55656 has 1 MA's), (98, 55704), (102, 55743), (112, 55809), (114, 55824), (149, 55971), (172, 56094),

Gene: Pivoine_246 Start: 135459, Stop: 136121, Start Num: 68
Candidate Starts for Pivoine_246:
(30, 135234), (45, 135357), (Start: 68 @135459 has 160 MA's), (74, 135474), (75, 135477), (87, 135525), (102, 135627), (103, 135630), (110, 135684), (112, 135693), (122, 135762), (124, 135768), (142, 135819), (143, 135825), (147, 135843), (149, 135855), (163, 135930), (174, 135987), (204, 136113),

Gene: Pleione_249 Start: 136222, Stop: 136884, Start Num: 68
Candidate Starts for Pleione_249:
(30, 135997), (45, 136120), (Start: 68 @136222 has 160 MA's), (74, 136237), (75, 136240), (87, 136288), (102, 136390), (103, 136393), (110, 136447), (112, 136456), (122, 136525), (124, 136531), (142, 136582), (143, 136588), (147, 136606), (149, 136618), (163, 136693), (174, 136750), (204, 136876),

Gene: Plumbus_102 Start: 53766, Stop: 54377, Start Num: 65
Candidate Starts for Plumbus_102:
(43, 53664), (Start: 65 @53766 has 182 MA's), (85, 53826), (87, 53835), (Start: 89 @53850 has 1 MA's), (98, 53898), (102, 53937), (112, 54003), (114, 54018), (148, 54156), (149, 54165),

Gene: Poenanya_107 Start: 57575, Stop: 58198, Start Num: 65
Candidate Starts for Poenanya_107:
(9, 57137), (18, 57263), (19, 57266), (37, 57404), (43, 57473), (Start: 65 @57575 has 182 MA's), (85, 57635), (87, 57644), (Start: 89 @57659 has 1 MA's), (98, 57707), (102, 57746), (103, 57749), (112, 57812), (114, 57827), (148, 57965), (149, 57974),

Gene: Poise_89 Start: 46919, Stop: 47581, Start Num: 61

Candidate Starts for Poise_89:
(Start: 61 @46919 has 20 MA's), (79, 46967), (Start: 89 @47006 has 1 MA's), (98, 47054), (102, 47090), (106, 47117), (112, 47156), (113, 47177), (142, 47306), (157, 47387), (163, 47420), (165, 47441), (166, 47444), (184, 47510), (190, 47543), (197, 47570),

Gene: Polka14_107 Start: 57636, Stop: 58259, Start Num: 65
Candidate Starts for Polka14_107:
(43, 57534), (Start: 65 @57636 has 182 MA's), (85, 57696), (Start: 89 @57720 has 1 MA's), (98, 57768), (149, 58035),

Gene: Pollywog_105 Start: 57694, Stop: 58305, Start Num: 65
Candidate Starts for Pollywog_105:
(13, 57361), (18, 57382), (19, 57385), (37, 57523), (43, 57592), (Start: 65 @57694 has 182 MA's), (75, 57715), (85, 57754), (87, 57763), (Start: 89 @57778 has 1 MA's), (98, 57826), (102, 57865), (112, 57931), (114, 57946), (149, 58093),

Gene: Polo2Bam_115 Start: 56145, Stop: 56795, Start Num: 53
Candidate Starts for Polo2Bam_115:
(48, 56094), (52, 56136), (Start: 53 @56145 has 2 MA's), (Start: 66 @56172 has 18 MA's), (85, 56232), (87, 56241), (Start: 89 @56256 has 1 MA's), (102, 56343), (103, 56346), (105, 56364), (149, 56571),

Gene: PopTart_94 Start: 54004, Stop: 54627, Start Num: 66
Candidate Starts for PopTart_94:
(6, 53383), (8, 53491), (10, 53635), (14, 53671), (25, 53746), (29, 53782), (48, 53926), (52, 53968), (Start: 53 @53977 has 2 MA's), (Start: 66 @54004 has 18 MA's), (85, 54064), (Start: 89 @54088 has 1 MA's), (102, 54175), (103, 54178), (114, 54256), (149, 54403), (172, 54526),

Gene: Primadonna_239 Start: 135122, Stop: 135784, Start Num: 68
Candidate Starts for Primadonna_239:
(30, 134897), (45, 135020), (Start: 68 @135122 has 160 MA's), (74, 135137), (75, 135140), (87, 135188), (102, 135290), (103, 135293), (110, 135347), (112, 135356), (122, 135425), (124, 135431), (142, 135482), (143, 135488), (147, 135506), (149, 135518), (163, 135593), (174, 135650), (204, 135776),

Gene: Pringar_85 Start: 46844, Stop: 47506, Start Num: 61
Candidate Starts for Pringar_85:
(Start: 61 @46844 has 20 MA's), (79, 46892), (Start: 89 @46931 has 1 MA's), (98, 46979), (102, 47015), (106, 47042), (112, 47081), (113, 47102), (142, 47231), (157, 47312), (163, 47345), (165, 47366), (166, 47369), (184, 47435), (190, 47468), (197, 47495),

Gene: Priscilla_104 Start: 57110, Stop: 57733, Start Num: 65
Candidate Starts for Priscilla_104:
(43, 57008), (Start: 65 @57110 has 182 MA's), (75, 57131), (85, 57170), (87, 57179), (Start: 89 @57194 has 1 MA's), (98, 57242), (102, 57281), (112, 57347), (114, 57362), (149, 57509),

Gene: Puhon_246 Start: 136118, Stop: 136780, Start Num: 68
Candidate Starts for Puhon_246:
(30, 135893), (45, 136016), (Start: 68 @136118 has 160 MA's), (74, 136133), (75, 136136), (87, 136184), (102, 136286), (103, 136289), (110, 136343), (112, 136352), (122, 136421), (124, 136427), (142, 136478), (143, 136484), (147, 136502), (149, 136514), (163, 136589), (174, 136646), (204, 136772),

Gene: Pupusa_248 Start: 136786, Stop: 137448, Start Num: 68

Candidate Starts for Pupusa_248:
(30, 136561), (45, 136684), (Start: 68 @136786 has 160 MA's), (74, 136801), (75, 136804), (87, 136852), (102, 136954), (103, 136957), (110, 137011), (112, 137020), (122, 137089), (124, 137095), (142, 137146), (143, 137152), (147, 137170), (149, 137182), (163, 137257), (174, 137314), (204, 137440),

Gene: PurduePete_245 Start: 136487, Stop: 137149, Start Num: 68
Candidate Starts for PurduePete_245:
(30, 136262), (45, 136385), (Start: 68 @136487 has 160 MA's), (74, 136502), (75, 136505), (87, 136553), (102, 136655), (103, 136658), (110, 136712), (112, 136721), (122, 136790), (124, 136796), (142, 136847), (143, 136853), (147, 136871), (149, 136883), (163, 136958), (174, 137015), (204, 137141),

Gene: QBert_237 Start: 133810, Stop: 134472, Start Num: 68
Candidate Starts for QBert_237:
(30, 133585), (45, 133708), (Start: 68 @133810 has 160 MA's), (74, 133825), (75, 133828), (87, 133876), (102, 133978), (103, 133981), (110, 134035), (112, 134044), (122, 134113), (124, 134119), (142, 134170), (143, 134176), (147, 134194), (149, 134206), (163, 134281), (174, 134338), (204, 134464),

Gene: Quasimodo_248 Start: 135795, Stop: 136457, Start Num: 68
Candidate Starts for Quasimodo_248:
(30, 135570), (45, 135693), (Start: 68 @135795 has 160 MA's), (74, 135810), (75, 135813), (87, 135861), (102, 135963), (103, 135966), (110, 136020), (112, 136029), (122, 136098), (124, 136104), (142, 136155), (143, 136161), (147, 136179), (149, 136191), (163, 136266), (174, 136323), (204, 136449),

Gene: QueenHazel_72 Start: 46990, Stop: 47610, Start Num: 72
Candidate Starts for QueenHazel_72:
(59, 46954), (Start: 62 @46963 has 55 MA's), (Start: 72 @46990 has 3 MA's), (103, 47155), (148, 47380), (164, 47476), (180, 47536), (192, 47593),

Gene: QuickMath_105 Start: 56435, Stop: 57058, Start Num: 65
Candidate Starts for QuickMath_105:
(16, 56111), (37, 56264), (43, 56333), (Start: 65 @56435 has 182 MA's), (75, 56456), (85, 56495), (87, 56504), (Start: 89 @56519 has 1 MA's), (98, 56567), (102, 56606), (112, 56672), (114, 56687), (148, 56825), (149, 56834), (172, 56957),

Gene: Quico_112 Start: 57968, Stop: 58579, Start Num: 65
Candidate Starts for Quico_112:
(41, 57851), (42, 57857), (43, 57866), (Start: 65 @57968 has 182 MA's), (75, 57989), (85, 58028), (87, 58037), (Start: 89 @58052 has 1 MA's), (102, 58139), (112, 58205), (114, 58220), (149, 58367),

Gene: Rabbitrun_126 Start: 71125, Stop: 71904, Start Num: 58
Candidate Starts for Rabbitrun_126:
(Start: 58 @71125 has 7 MA's), (67, 71146), (71, 71164), (77, 71188), (80, 71203), (95, 71293), (101, 71338), (108, 71392), (110, 71401), (116, 71440), (126, 71494), (131, 71509), (137, 71530), (143, 71548), (145, 71554), (148, 71569), (153, 71590), (157, 71626), (165, 71680),

Gene: Rabinovish_238 Start: 134299, Stop: 134961, Start Num: 63
Candidate Starts for Rabinovish_238:
(Start: 63 @134299 has 38 MA's), (74, 134314), (75, 134317), (87, 134365), (97, 134425), (102, 134467), (103, 134470), (106, 134494), (110, 134524), (112, 134533), (122, 134602), (124, 134608),

(142, 134659), (143, 134665), (147, 134683), (149, 134695), (163, 134770), (174, 134827), (204, 134953),

Gene: Radiance_102 Start: 56204, Stop: 56827, Start Num: 65
Candidate Starts for Radiance_102:
(43, 56102), (Start: 65 @56204 has 182 MA's), (85, 56264), (87, 56273), (Start: 89 @56288 has 1 MA's), (98, 56336), (103, 56378), (114, 56456), (149, 56603),

Gene: Raela_90 Start: 47470, Stop: 48132, Start Num: 61
Candidate Starts for Raela_90:
(Start: 61 @47470 has 20 MA's), (79, 47518), (Start: 89 @47557 has 1 MA's), (98, 47605), (102, 47641), (106, 47668), (112, 47707), (113, 47728), (142, 47857), (157, 47938), (163, 47971), (165, 47992), (166, 47995), (190, 48094), (197, 48121),

Gene: Rahel_247 Start: 135897, Stop: 136559, Start Num: 68
Candidate Starts for Rahel_247:
(30, 135672), (45, 135795), (Start: 68 @135897 has 160 MA's), (74, 135912), (75, 135915), (87, 135963), (102, 136065), (103, 136068), (110, 136122), (112, 136131), (122, 136200), (124, 136206), (142, 136257), (143, 136263), (147, 136281), (149, 136293), (163, 136368), (174, 136425), (204, 136551),

Gene: Ramsey_108 Start: 57875, Stop: 58486, Start Num: 65
Candidate Starts for Ramsey_108:
(9, 57437), (18, 57563), (19, 57566), (37, 57704), (43, 57773), (Start: 65 @57875 has 182 MA's), (85, 57935), (87, 57944), (Start: 89 @57959 has 1 MA's), (98, 58007), (103, 58049), (112, 58112), (114, 58127), (149, 58274),

Gene: RedBird_104 Start: 57614, Stop: 58237, Start Num: 65
Candidate Starts for RedBird_104:
(43, 57512), (Start: 65 @57614 has 182 MA's), (85, 57674), (Start: 89 @57698 has 1 MA's), (98, 57746), (149, 58013),

Gene: RedRaider77_88 Start: 46864, Stop: 47526, Start Num: 61
Candidate Starts for RedRaider77_88:
(Start: 61 @46864 has 20 MA's), (79, 46912), (Start: 89 @46951 has 1 MA's), (98, 46999), (102, 47035), (106, 47062), (112, 47101), (113, 47122), (142, 47251), (157, 47332), (163, 47365), (165, 47386), (166, 47389), (190, 47488), (197, 47515),

Gene: Renaud18_111 Start: 56945, Stop: 57553, Start Num: 68
Candidate Starts for Renaud18_111:
(Start: 68 @56945 has 160 MA's), (76, 56975), (79, 56990), (87, 57014), (98, 57077), (125, 57260), (172, 57461),

Gene: Rialto_108 Start: 57233, Stop: 57844, Start Num: 65
Candidate Starts for Rialto_108:
(43, 57131), (Start: 65 @57233 has 182 MA's), (75, 57254), (85, 57293), (87, 57302), (Start: 89 @57317 has 1 MA's), (98, 57365), (102, 57404), (112, 57470), (114, 57485), (149, 57632),

Gene: Rita_103 Start: 57680, Stop: 58303, Start Num: 65
Candidate Starts for Rita_103:
(43, 57578), (Start: 65 @57680 has 182 MA's), (75, 57701), (85, 57740), (87, 57749), (Start: 89 @57764 has 1 MA's), (98, 57812), (102, 57851), (112, 57917), (114, 57932), (148, 58070), (149, 58079), (172, 58202),

Gene: RitaG_102 Start: 56669, Stop: 57292, Start Num: 65
Candidate Starts for RitaG_102:
(43, 56567), (Start: 65 @56669 has 182 MA's), (85, 56729), (Start: 89 @56753 has 1 MA's), (98, 56801), (149, 57068),

Gene: Rizal_234 Start: 133712, Stop: 134374, Start Num: 68
Candidate Starts for Rizal_234:
(30, 133487), (45, 133610), (Start: 68 @133712 has 160 MA's), (74, 133727), (75, 133730), (87, 133778), (102, 133880), (103, 133883), (110, 133937), (112, 133946), (122, 134015), (124, 134021), (142, 134072), (143, 134078), (147, 134096), (149, 134108), (163, 134183), (174, 134240), (204, 134366),

Gene: RoMag_240 Start: 135493, Stop: 136155, Start Num: 68
Candidate Starts for RoMag_240:
(30, 135268), (45, 135391), (Start: 68 @135493 has 160 MA's), (74, 135508), (75, 135511), (87, 135559), (102, 135661), (103, 135664), (110, 135718), (112, 135727), (122, 135796), (124, 135802), (142, 135853), (143, 135859), (147, 135877), (149, 135889), (163, 135964), (174, 136021), (204, 136147),

Gene: Rocha_241 Start: 135058, Stop: 135720, Start Num: 68
Candidate Starts for Rocha_241:
(30, 134833), (45, 134956), (Start: 68 @135058 has 160 MA's), (74, 135073), (75, 135076), (87, 135124), (102, 135226), (103, 135229), (110, 135283), (112, 135292), (122, 135361), (124, 135367), (142, 135418), (143, 135424), (147, 135442), (149, 135454), (163, 135529), (174, 135586), (204, 135712),

Gene: Rockne_107 Start: 55613, Stop: 56236, Start Num: 66
Candidate Starts for Rockne_107:
(48, 55535), (52, 55577), (Start: 53 @55586 has 2 MA's), (Start: 66 @55613 has 18 MA's), (85, 55673), (Start: 89 @55697 has 1 MA's), (102, 55784), (103, 55787), (149, 56012), (172, 56135),

Gene: RockyHorror_107 Start: 56013, Stop: 56627, Start Num: 62
Candidate Starts for RockyHorror_107:
(44, 55902), (Start: 62 @56013 has 55 MA's), (85, 56076), (Start: 89 @56100 has 1 MA's), (112, 56253), (114, 56268), (149, 56415),

Gene: Ronaldo_139 Start: 65479, Stop: 66180, Start Num: 62
Candidate Starts for Ronaldo_139:
(Start: 58 @65467 has 7 MA's), (Start: 62 @65479 has 55 MA's), (75, 65500), (90, 65572), (114, 65734), (124, 65803), (128, 65812), (140, 65851), (149, 65899), (152, 65917), (158, 65968), (160, 65983), (162, 65989), (175, 66055), (193, 66142),

Gene: Ronan_241 Start: 133885, Stop: 134547, Start Num: 68
Candidate Starts for Ronan_241:
(23, 133597), (24, 133600), (32, 133663), (45, 133783), (Start: 68 @133885 has 160 MA's), (74, 133900), (75, 133903), (87, 133951), (102, 134053), (103, 134056), (110, 134110), (112, 134119), (122, 134188), (124, 134194), (142, 134245), (143, 134251), (147, 134269), (149, 134281), (163, 134356), (174, 134413), (204, 134539),

Gene: Roots515_248 Start: 137038, Stop: 137700, Start Num: 68
Candidate Starts for Roots515_248:

(23, 136750), (24, 136753), (32, 136816), (45, 136936), (Start: 68 @137038 has 160 MA's), (74, 137053), (75, 137056), (87, 137104), (102, 137206), (103, 137209), (110, 137263), (112, 137272), (122, 137341), (124, 137347), (142, 137398), (143, 137404), (147, 137422), (149, 137434), (163, 137509), (174, 137566), (204, 137692),

Gene: Royals2015_107 Start: 55484, Stop: 56107, Start Num: 66
Candidate Starts for Royals2015_107:
(48, 55406), (52, 55448), (Start: 53 @55457 has 2 MA's), (Start: 66 @55484 has 18 MA's), (85, 55544), (87, 55553), (Start: 89 @55568 has 1 MA's), (98, 55616), (114, 55736), (149, 55883),

Gene: Ruby_99 Start: 56635, Stop: 57258, Start Num: 65
Candidate Starts for Ruby_99:
(43, 56533), (Start: 65 @56635 has 182 MA's), (85, 56695), (Start: 89 @56719 has 1 MA's), (149, 57034),

Gene: Ryadel_39 Start: 19263, Stop: 19883, Start Num: 70
Candidate Starts for Ryadel_39:
(11, 18870), (Start: 70 @19263 has 35 MA's), (75, 19281), (83, 19314), (87, 19329), (95, 19392), (102, 19437), (103, 19440), (115, 19521), (120, 19563), (141, 19626), (143, 19641), (145, 19647), (163, 19749), (176, 19800),

Gene: SG4_105 Start: 57925, Stop: 58548, Start Num: 65
Candidate Starts for SG4_105:
(16, 57601), (21, 57628), (37, 57754), (43, 57823), (Start: 65 @57925 has 182 MA's), (75, 57946), (85, 57985), (87, 57994), (Start: 89 @58009 has 1 MA's), (98, 58057), (102, 58096), (112, 58162), (114, 58177), (148, 58315), (149, 58324), (172, 58447),

Gene: SVoro_240 Start: 135795, Stop: 136457, Start Num: 68
Candidate Starts for SVoro_240:
(30, 135570), (45, 135693), (Start: 68 @135795 has 160 MA's), (74, 135810), (75, 135813), (87, 135861), (102, 135963), (103, 135966), (110, 136020), (112, 136029), (122, 136098), (124, 136104), (142, 136155), (143, 136161), (147, 136179), (149, 136191), (163, 136266), (174, 136323), (204, 136449),

Gene: Saal_101 Start: 56684, Stop: 57307, Start Num: 65
Candidate Starts for Saal_101:
(37, 56513), (43, 56582), (Start: 65 @56684 has 182 MA's), (75, 56705), (85, 56744), (87, 56753), (Start: 89 @56768 has 1 MA's), (98, 56816), (102, 56855), (112, 56921), (114, 56936), (149, 57083), (172, 57206),

Gene: Sabbb_106 Start: 54640, Stop: 55263, Start Num: 65
Candidate Starts for Sabbb_106:
(41, 54523), (42, 54529), (43, 54538), (Start: 65 @54640 has 182 MA's), (75, 54661), (85, 54700), (87, 54709), (Start: 89 @54724 has 1 MA's), (98, 54772), (102, 54811), (112, 54877), (114, 54892), (149, 55039),

Gene: Salacia_246 Start: 136913, Stop: 137575, Start Num: 68
Candidate Starts for Salacia_246:
(23, 136625), (24, 136628), (32, 136691), (45, 136811), (Start: 68 @136913 has 160 MA's), (74, 136928), (75, 136931), (87, 136979), (102, 137081), (103, 137084), (110, 137138), (112, 137147), (122, 137216), (124, 137222), (142, 137273), (143, 137279), (147, 137297), (149, 137309), (163, 137384), (174, 137441), (204, 137567),

Gene: Sandalphon_102 Start: 57667, Stop: 58290, Start Num: 65
Candidate Starts for Sandalphon_102:
(43, 57565), (Start: 65 @57667 has 182 MA's), (85, 57727), (Start: 89 @57751 has 1 MA's), (112, 57904), (114, 57919), (149, 58066),

Gene: Sarma624_105 Start: 53609, Stop: 54220, Start Num: 65
Candidate Starts for Sarma624_105:
(43, 53507), (Start: 65 @53609 has 182 MA's), (75, 53630), (85, 53669), (87, 53678), (Start: 89 @53693 has 1 MA's), (112, 53846), (114, 53861), (149, 54008),

Gene: Sassafras_105 Start: 55931, Stop: 56554, Start Num: 65
Candidate Starts for Sassafras_105:
(43, 55829), (Start: 65 @55931 has 182 MA's), (85, 55991), (Start: 89 @56015 has 1 MA's), (98, 56063), (149, 56330),

Gene: SassyB_94 Start: 54004, Stop: 54627, Start Num: 66
Candidate Starts for SassyB_94:
(6, 53383), (8, 53491), (10, 53635), (14, 53671), (25, 53746), (29, 53782), (48, 53926), (52, 53968), (Start: 53 @53977 has 2 MA's), (Start: 66 @54004 has 18 MA's), (85, 54064), (Start: 89 @54088 has 1 MA's), (102, 54175), (103, 54178), (114, 54256), (149, 54403), (172, 54526),

Gene: Sauce_242 Start: 135221, Stop: 135883, Start Num: 68
Candidate Starts for Sauce_242:
(30, 134996), (45, 135119), (Start: 68 @135221 has 160 MA's), (74, 135236), (75, 135239), (87, 135287), (102, 135389), (103, 135392), (110, 135446), (112, 135455), (122, 135524), (124, 135530), (142, 135581), (143, 135587), (147, 135605), (149, 135617), (163, 135692), (174, 135749), (204, 135875),

Gene: Sbash_88 Start: 54776, Stop: 55402, Start Num: 70
Candidate Starts for Sbash_88:
(Start: 70 @54776 has 35 MA's), (145, 55160), (148, 55172), (180, 55328), (192, 55385),

Gene: SchoolBus_36 Start: 18450, Stop: 19070, Start Num: 70
Candidate Starts for SchoolBus_36:
(11, 18057), (Start: 70 @18450 has 35 MA's), (75, 18468), (83, 18501), (87, 18516), (95, 18579), (102, 18624), (103, 18627), (115, 18708), (120, 18750), (141, 18813), (143, 18828), (145, 18834), (163, 18936), (176, 18987),

Gene: Schuy_37 Start: 18394, Stop: 19014, Start Num: 70
Candidate Starts for Schuy_37:
(Start: 70 @18394 has 35 MA's), (75, 18412), (83, 18445), (87, 18460), (95, 18523), (102, 18568), (103, 18571), (115, 18652), (120, 18694), (141, 18757), (143, 18772), (145, 18778), (163, 18880), (176, 18931),

Gene: ScoobyDoobyDoo_234 Start: 134440, Stop: 135153, Start Num: 64
Candidate Starts for ScoobyDoobyDoo_234:
(Start: 64 @134440 has 1 MA's), (75, 134464), (82, 134491), (88, 134512), (96, 134566), (102, 134611), (103, 134614), (112, 134677), (115, 134695), (124, 134761), (129, 134779), (143, 134827), (154, 134869), (159, 134923), (182, 135034), (186, 135055), (194, 135097),

Gene: ScottMcG_237 Start: 134422, Stop: 135084, Start Num: 63
Candidate Starts for ScottMcG_237:

(23, 134203), (24, 134206), (32, 134269), (45, 134389), (Start: 63 @134422 has 38 MA's), (74, 134437), (75, 134440), (87, 134488), (102, 134590), (103, 134593), (110, 134647), (112, 134656), (122, 134725), (124, 134731), (142, 134782), (143, 134788), (147, 134806), (149, 134818), (163, 134893), (174, 134950), (204, 135076),

Gene: Scottish_104 Start: 55733, Stop: 56356, Start Num: 65
Candidate Starts for Scottish_104:
(37, 55562), (43, 55631), (Start: 65 @55733 has 182 MA's), (75, 55754), (85, 55793), (87, 55802), (Start: 89 @55817 has 1 MA's), (98, 55865), (102, 55904), (112, 55970), (114, 55985), (149, 56132), (172, 56255),

Gene: SeaLumen_112 Start: 56136, Stop: 56795, Start Num: 52
Candidate Starts for SeaLumen_112:
(48, 56094), (52, 56136), (Start: 53 @56145 has 2 MA's), (Start: 66 @56172 has 18 MA's), (85, 56232), (87, 56241), (Start: 89 @56256 has 1 MA's), (102, 56343), (103, 56346), (105, 56364), (149, 56571),

Gene: Seabastian_110 Start: 57525, Stop: 58148, Start Num: 62
Candidate Starts for Seabastian_110:
(Start: 62 @57525 has 55 MA's), (84, 57582), (85, 57585), (Start: 89 @57609 has 1 MA's), (98, 57657), (102, 57696), (103, 57699), (149, 57924),

Gene: Seagreen_105 Start: 57063, Stop: 57674, Start Num: 65
Candidate Starts for Seagreen_105:
(15, 56739), (37, 56892), (43, 56961), (Start: 65 @57063 has 182 MA's), (75, 57084), (85, 57123), (87, 57132), (Start: 89 @57147 has 1 MA's), (98, 57195), (102, 57234), (112, 57300), (114, 57315), (149, 57462),

Gene: Sebata_245 Start: 136121, Stop: 136783, Start Num: 63
Candidate Starts for Sebata_245:
(23, 135902), (24, 135905), (32, 135968), (45, 136088), (Start: 63 @136121 has 38 MA's), (74, 136136), (75, 136139), (87, 136187), (97, 136247), (102, 136289), (103, 136292), (106, 136316), (110, 136346), (112, 136355), (122, 136424), (124, 136430), (142, 136481), (143, 136487), (149, 136517), (163, 136592), (174, 136649), (204, 136775),

Gene: Sephiroth_122 Start: 67955, Stop: 68671, Start Num: 56
Candidate Starts for Sephiroth_122:
(Start: 56 @67955 has 4 MA's), (67, 67982), (92, 68105), (100, 68144), (110, 68201), (115, 68228), (142, 68336), (143, 68342), (164, 68465), (167, 68486), (169, 68501), (177, 68519), (185, 68555), (195, 68597), (199, 68615),

Gene: Settecandela_154 Start: 105857, Stop: 106741, Start Num: 38
Candidate Starts for Settecandela_154:
(Start: 38 @105857 has 2 MA's), (39, 105905), (40, 105914), (46, 105947), (73, 106070), (108, 106283), (114, 106316), (145, 106448), (163, 106550), (184, 106646), (201, 106721), (202, 106727), (203, 106730),

Gene: Shaqnato_236 Start: 134631, Stop: 135293, Start Num: 68
Candidate Starts for Shaqnato_236:
(30, 134406), (45, 134529), (Start: 68 @134631 has 160 MA's), (74, 134646), (75, 134649), (87, 134697), (102, 134799), (103, 134802), (110, 134856), (112, 134865), (122, 134934), (124, 134940), (142, 134991), (143, 134997), (147, 135015), (149, 135027), (163, 135102), (174, 135159), (204, 135285),

Gene: Shauna1_105 Start: 57452, Stop: 58075, Start Num: 65
Candidate Starts for Shauna1_105:
(43, 57350), (Start: 65 @57452 has 182 MA's), (75, 57473), (85, 57512), (87, 57521), (Start: 89 @57536 has 1 MA's), (98, 57584), (102, 57623), (105, 57644), (112, 57689), (114, 57704), (149, 57851),

Gene: Shelob_246 Start: 137356, Stop: 138018, Start Num: 68
Candidate Starts for Shelob_246:
(23, 137068), (24, 137071), (32, 137134), (45, 137254), (Start: 68 @137356 has 160 MA's), (74, 137371), (75, 137374), (87, 137422), (102, 137524), (103, 137527), (110, 137581), (112, 137590), (122, 137659), (124, 137665), (142, 137716), (143, 137722), (147, 137740), (149, 137752), (163, 137827), (174, 137884), (204, 138010),

Gene: ShiLan_106 Start: 58701, Stop: 59324, Start Num: 65
Candidate Starts for ShiLan_106:
(43, 58599), (Start: 65 @58701 has 182 MA's), (85, 58761), (Start: 89 @58785 has 1 MA's), (148, 59091), (149, 59100),

Gene: ShiaLabeouf_243 Start: 135215, Stop: 135877, Start Num: 68
Candidate Starts for ShiaLabeouf_243:
(30, 134990), (45, 135113), (Start: 68 @135215 has 160 MA's), (74, 135230), (75, 135233), (87, 135281), (102, 135383), (103, 135386), (110, 135440), (112, 135449), (122, 135518), (124, 135524), (142, 135575), (143, 135581), (147, 135599), (149, 135611), (163, 135686), (174, 135743), (204, 135869),

Gene: Shida_36 Start: 18301, Stop: 18921, Start Num: 70
Candidate Starts for Shida_36:
(11, 17908), (Start: 70 @18301 has 35 MA's), (75, 18319), (83, 18352), (87, 18367), (95, 18430), (102, 18475), (103, 18478), (115, 18559), (120, 18601), (141, 18664), (143, 18679), (145, 18685), (163, 18787), (176, 18838),

Gene: Shifa_221 Start: 134729, Stop: 135391, Start Num: 63
Candidate Starts for Shifa_221:
(Start: 63 @134729 has 38 MA's), (74, 134744), (75, 134747), (87, 134795), (97, 134855), (102, 134897), (103, 134900), (106, 134924), (110, 134954), (112, 134963), (122, 135032), (124, 135038), (142, 135089), (143, 135095), (147, 135113), (149, 135125), (163, 135200), (174, 135257), (204, 135383),

Gene: Shnickers_244 Start: 135279, Stop: 135941, Start Num: 68
Candidate Starts for Shnickers_244:
(30, 135054), (45, 135177), (Start: 68 @135279 has 160 MA's), (74, 135294), (75, 135297), (87, 135345), (102, 135447), (103, 135450), (110, 135504), (112, 135513), (122, 135582), (124, 135588), (142, 135639), (143, 135645), (147, 135663), (149, 135675), (163, 135750), (174, 135807), (204, 135933),

Gene: ShowerHandel_106 Start: 56470, Stop: 57093, Start Num: 65
Candidate Starts for ShowerHandel_106:
(43, 56368), (Start: 65 @56470 has 182 MA's), (75, 56491), (85, 56530), (87, 56539), (Start: 89 @56554 has 1 MA's), (98, 56602), (102, 56641), (112, 56707), (114, 56722), (149, 56869), (172, 56992),

Gene: Shrimp_247 Start: 136524, Stop: 137186, Start Num: 68
Candidate Starts for Shrimp_247:

(30, 136299), (45, 136422), (Start: 68 @136524 has 160 MA's), (74, 136539), (75, 136542), (87, 136590), (102, 136692), (103, 136695), (110, 136749), (112, 136758), (122, 136827), (124, 136833), (142, 136884), (143, 136890), (147, 136908), (149, 136920), (163, 136995), (174, 137052), (204, 137178),

Gene: ShroomBoi_104 Start: 57127, Stop: 57753, Start Num: 62
Candidate Starts for ShroomBoi_104:
(44, 57016), (Start: 62 @57127 has 55 MA's), (85, 57190), (Start: 89 @57214 has 1 MA's), (149, 57529),

Gene: SiSi_98 Start: 55188, Stop: 55811, Start Num: 65
Candidate Starts for SiSi_98:
(43, 55086), (Start: 65 @55188 has 182 MA's), (75, 55209), (85, 55248), (87, 55257), (Start: 89 @55272 has 1 MA's), (112, 55425), (114, 55440), (149, 55587), (172, 55710),

Gene: SilverChicken_109 Start: 56727, Stop: 57329, Start Num: 62
Candidate Starts for SilverChicken_109:
(Start: 62 @56727 has 55 MA's), (87, 56796), (98, 56859), (102, 56898), (149, 57126), (192, 57318),

Gene: SilverDipper_250 Start: 136015, Stop: 136677, Start Num: 68
Candidate Starts for SilverDipper_250:
(30, 135790), (45, 135913), (Start: 68 @136015 has 160 MA's), (74, 136030), (75, 136033), (87, 136081), (102, 136183), (103, 136186), (110, 136240), (112, 136249), (122, 136318), (124, 136324), (142, 136375), (143, 136381), (147, 136399), (149, 136411), (163, 136486), (174, 136543), (204, 136669),

Gene: SimranZ1_103 Start: 55632, Stop: 56243, Start Num: 66
Candidate Starts for SimranZ1_103:
(48, 55554), (52, 55596), (Start: 53 @55605 has 2 MA's), (Start: 66 @55632 has 18 MA's), (85, 55692), (87, 55701), (Start: 89 @55716 has 1 MA's), (98, 55764), (102, 55803), (149, 56031),

Gene: SiwenD96_246 Start: 136861, Stop: 137523, Start Num: 68
Candidate Starts for SiwenD96_246:
(30, 136636), (45, 136759), (Start: 68 @136861 has 160 MA's), (74, 136876), (75, 136879), (87, 136927), (102, 137029), (103, 137032), (110, 137086), (112, 137095), (122, 137164), (124, 137170), (142, 137221), (143, 137227), (147, 137245), (149, 137257), (163, 137332), (174, 137389), (204, 137515),

Gene: Sixama_92 Start: 50312, Stop: 50929, Start Num: 62
Candidate Starts for Sixama_92:
(47, 50213), (54, 50285), (Start: 62 @50312 has 55 MA's), (101, 50483), (102, 50486), (107, 50525), (117, 50606), (149, 50726), (153, 50738),

Gene: Slim_108 Start: 57003, Stop: 57614, Start Num: 65
Candidate Starts for Slim_108:
(15, 56679), (20, 56706), (37, 56832), (43, 56901), (Start: 65 @57003 has 182 MA's), (75, 57024), (85, 57063), (Start: 89 @57087 has 1 MA's), (98, 57135), (149, 57402),

Gene: SmallFry_246 Start: 135373, Stop: 136035, Start Num: 68
Candidate Starts for SmallFry_246:
(30, 135148), (45, 135271), (Start: 68 @135373 has 160 MA's), (74, 135388), (75, 135391), (87, 135439), (102, 135541), (103, 135544), (110, 135598), (112, 135607), (122, 135676), (124, 135682), (142, 135733), (143, 135739), (147, 135757), (149, 135769), (163, 135844), (174, 135901), (204,

136027),

Gene: Smooch_38 Start: 19590, Stop: 20210, Start Num: 70
Candidate Starts for Smooch_38:
(11, 19197), (Start: 70 @19590 has 35 MA's), (75, 19608), (83, 19641), (87, 19656), (95, 19719), (102, 19764), (103, 19767), (115, 19848), (120, 19890), (141, 19953), (143, 19968), (145, 19974), (163, 20076), (176, 20127),

Gene: SoilZilla_238 Start: 134528, Stop: 135190, Start Num: 68
Candidate Starts for SoilZilla_238:
(30, 134303), (45, 134426), (Start: 68 @134528 has 160 MA's), (74, 134543), (75, 134546), (87, 134594), (102, 134696), (103, 134699), (110, 134753), (112, 134762), (122, 134831), (124, 134837), (142, 134888), (143, 134894), (147, 134912), (149, 134924), (163, 134999), (174, 135056), (204, 135182),

Gene: Soul22_102 Start: 54100, Stop: 54702, Start Num: 62
Candidate Starts for Soul22_102:
(Start: 62 @54100 has 55 MA's), (79, 54145), (84, 54157), (98, 54232), (102, 54271), (149, 54499), (192, 54691),

Gene: Sparkdehlily_110 Start: 55183, Stop: 55806, Start Num: 65
Candidate Starts for Sparkdehlily_110:
(43, 55081), (Start: 65 @55183 has 182 MA's), (85, 55243), (Start: 89 @55267 has 1 MA's), (112, 55420), (114, 55435), (149, 55582),

Gene: Sparky_89 Start: 61036, Stop: 61737, Start Num: 49
Candidate Starts for Sparky_89:
(Start: 49 @61036 has 2 MA's), (60, 61084), (77, 61120), (115, 61318), (133, 61417), (137, 61429), (148, 61468), (149, 61477), (195, 61699), (200, 61720),

Gene: Spartacus_110 Start: 59296, Stop: 59919, Start Num: 65
Candidate Starts for Spartacus_110:
(43, 59194), (Start: 65 @59296 has 182 MA's), (85, 59356), (Start: 89 @59380 has 1 MA's), (98, 59428), (114, 59548), (149, 59695),

Gene: Spec_240 Start: 135385, Stop: 136047, Start Num: 63
Candidate Starts for Spec_240:
(23, 135166), (24, 135169), (32, 135232), (45, 135352), (Start: 63 @135385 has 38 MA's), (74, 135400), (75, 135403), (87, 135451), (102, 135553), (103, 135556), (110, 135610), (112, 135619), (122, 135688), (124, 135694), (142, 135745), (143, 135751), (147, 135769), (149, 135781), (163, 135856), (174, 135913), (204, 136039),

Gene: Specks_249 Start: 135864, Stop: 136526, Start Num: 68
Candidate Starts for Specks_249:
(30, 135639), (45, 135762), (Start: 68 @135864 has 160 MA's), (74, 135879), (75, 135882), (87, 135930), (102, 136032), (103, 136035), (110, 136089), (112, 136098), (122, 136167), (124, 136173), (142, 136224), (143, 136230), (147, 136248), (149, 136260), (163, 136335), (174, 136392), (204, 136518),

Gene: Spikelee_104 Start: 57901, Stop: 58512, Start Num: 65
Candidate Starts for Spikelee_104:
(43, 57799), (Start: 65 @57901 has 182 MA's), (85, 57961), (Start: 89 @57985 has 1 MA's), (148, 58291), (149, 58300),

Gene: Spoonbill_103 Start: 54614, Stop: 55237, Start Num: 65
Candidate Starts for Spoonbill_103:
(43, 54512), (Start: 65 @54614 has 182 MA's), (85, 54674), (Start: 89 @54698 has 1 MA's), (98, 54746), (149, 55013),

Gene: Sprinklers_243 Start: 135121, Stop: 135783, Start Num: 68
Candidate Starts for Sprinklers_243:
(30, 134896), (45, 135019), (Start: 68 @135121 has 160 MA's), (74, 135136), (75, 135139), (87, 135187), (102, 135289), (103, 135292), (110, 135346), (112, 135355), (122, 135424), (124, 135430), (142, 135481), (143, 135487), (147, 135505), (149, 135517), (163, 135592), (174, 135649), (204, 135775),

Gene: Spud_237 Start: 134830, Stop: 135492, Start Num: 68
Candidate Starts for Spud_237:
(30, 134605), (45, 134728), (Start: 68 @134830 has 160 MA's), (74, 134845), (75, 134848), (87, 134896), (102, 134998), (103, 135001), (110, 135055), (112, 135064), (122, 135133), (124, 135139), (142, 135190), (143, 135196), (147, 135214), (149, 135226), (163, 135301), (174, 135358), (204, 135484),

Gene: Squirty_102 Start: 59582, Stop: 60193, Start Num: 65
Candidate Starts for Squirty_102:
(41, 59465), (42, 59471), (43, 59480), (Start: 65 @59582 has 182 MA's), (75, 59603), (85, 59642), (87, 59651), (Start: 89 @59666 has 1 MA's), (112, 59819), (114, 59834), (148, 59972), (149, 59981),

Gene: SrishMeg2525_242 Start: 136019, Stop: 136681, Start Num: 68
Candidate Starts for SrishMeg2525_242:
(23, 135731), (24, 135734), (32, 135797), (45, 135917), (Start: 68 @136019 has 160 MA's), (74, 136034), (75, 136037), (87, 136085), (102, 136187), (103, 136190), (110, 136244), (112, 136253), (122, 136322), (124, 136328), (142, 136379), (143, 136385), (147, 136403), (149, 136415), (163, 136490), (174, 136547), (204, 136673),

Gene: StAnnes_109 Start: 58266, Stop: 58889, Start Num: 65
Candidate Starts for StAnnes_109:
(16, 57942), (21, 57969), (37, 58095), (43, 58164), (Start: 65 @58266 has 182 MA's), (75, 58287), (85, 58326), (87, 58335), (Start: 89 @58350 has 1 MA's), (98, 58398), (102, 58437), (112, 58503), (114, 58518), (149, 58665), (172, 58788),

Gene: Stap_99 Start: 53692, Stop: 54303, Start Num: 65
Candidate Starts for Stap_99:
(15, 53368), (20, 53395), (37, 53521), (43, 53590), (Start: 65 @53692 has 182 MA's), (75, 53713), (85, 53752), (87, 53761), (Start: 89 @53776 has 1 MA's), (149, 54091),

Gene: Starcevich_106 Start: 57571, Stop: 58182, Start Num: 65
Candidate Starts for Starcevich_106:
(43, 57469), (Start: 65 @57571 has 182 MA's), (75, 57592), (85, 57631), (87, 57640), (Start: 89 @57655 has 1 MA's), (98, 57703), (102, 57742), (112, 57808), (114, 57823), (149, 57970),

Gene: Stellammi_181 Start: 80604, Stop: 81236, Start Num: 63
Candidate Starts for Stellammi_181:
(Start: 63 @80604 has 38 MA's), (76, 80634), (Start: 89 @80688 has 1 MA's), (91, 80709), (93, 80721), (101, 80772), (108, 80823), (111, 80835), (112, 80841), (115, 80859), (116, 80871), (119, 80901), (123, 80919), (132, 80955), (138, 80970), (142, 80979), (143, 80985), (144, 80988), (145, 80991),

(150, 81018), (151, 81021), (155, 81039), (164, 81102),

Gene: StephanieG_239 Start: 136016, Stop: 136678, Start Num: 68
Candidate Starts for StephanieG_239:
(30, 135791), (45, 135914), (Start: 68 @136016 has 160 MA's), (74, 136031), (75, 136034), (87, 136082), (102, 136184), (103, 136187), (110, 136241), (112, 136250), (122, 136319), (124, 136325), (142, 136376), (143, 136382), (147, 136400), (149, 136412), (163, 136487), (174, 136544), (204, 136670),

Gene: Strokeseat_101 Start: 54378, Stop: 55001, Start Num: 65
Candidate Starts for Strokeseat_101:
(18, 54066), (19, 54069), (37, 54207), (43, 54276), (Start: 65 @54378 has 182 MA's), (85, 54438), (Start: 89 @54462 has 1 MA's), (149, 54777), (172, 54900),

Gene: Stubby_228 Start: 132809, Stop: 133471, Start Num: 63
Candidate Starts for Stubby_228:
(Start: 63 @132809 has 38 MA's), (74, 132824), (75, 132827), (87, 132875), (97, 132935), (102, 132977), (103, 132980), (106, 133004), (110, 133034), (112, 133043), (122, 133112), (124, 133118), (142, 133169), (143, 133175), (149, 133205), (163, 133280), (174, 133337), (204, 133463),

Gene: StubbySaigey_251 Start: 135549, Stop: 136211, Start Num: 68
Candidate Starts for StubbySaigey_251:
(30, 135324), (45, 135447), (Start: 68 @135549 has 160 MA's), (74, 135564), (75, 135567), (87, 135615), (102, 135717), (103, 135720), (110, 135774), (112, 135783), (122, 135852), (124, 135858), (142, 135909), (143, 135915), (147, 135933), (149, 135945), (163, 136020), (174, 136077), (204, 136203),

Gene: Stuck_84 Start: 54086, Stop: 54712, Start Num: 70
Candidate Starts for Stuck_84:
(Start: 70 @54086 has 35 MA's), (145, 54470), (148, 54482), (164, 54578), (180, 54638), (192, 54695),

Gene: Substance289_241 Start: 135421, Stop: 136083, Start Num: 68
Candidate Starts for Substance289_241:
(30, 135196), (45, 135319), (Start: 68 @135421 has 160 MA's), (74, 135436), (75, 135439), (87, 135487), (102, 135589), (103, 135592), (110, 135646), (112, 135655), (122, 135724), (124, 135730), (142, 135781), (143, 135787), (147, 135805), (149, 135817), (163, 135892), (174, 135949), (204, 136075),

Gene: SuperGrey_102 Start: 58252, Stop: 58875, Start Num: 65
Candidate Starts for SuperGrey_102:
(41, 58135), (42, 58141), (43, 58150), (Start: 65 @58252 has 182 MA's), (75, 58273), (85, 58312), (87, 58321), (Start: 89 @58336 has 1 MA's), (98, 58384), (102, 58423), (112, 58489), (114, 58504), (149, 58651), (172, 58774),

Gene: SwagPigglett_105 Start: 57810, Stop: 58433, Start Num: 65
Candidate Starts for SwagPigglett_105:
(43, 57708), (Start: 65 @57810 has 182 MA's), (75, 57831), (85, 57870), (87, 57879), (Start: 89 @57894 has 1 MA's), (112, 58047), (114, 58062), (149, 58209),

Gene: Syleon_127 Start: 68721, Stop: 69422, Start Num: 56
Candidate Starts for Syleon_127:
(Start: 56 @68721 has 4 MA's), (Start: 62 @68739 has 55 MA's), (67, 68748), (94, 68856), (99, 68889), (100, 68895), (110, 68952), (115, 68979), (142, 69087), (143, 69093), (164, 69216), (167, 69237),

(169, 69252), (177, 69270), (185, 69306), (195, 69348), (199, 69366),

Gene: TChen_100 Start: 56611, Stop: 57216, Start Num: 68
Candidate Starts for TChen_100:
(Start: 68 @56611 has 160 MA's), (79, 56653), (Start: 89 @56692 has 1 MA's), (98, 56740), (102, 56779), (172, 57124),

Gene: TDanisky_111 Start: 55183, Stop: 55806, Start Num: 65
Candidate Starts for TDanisky_111:
(43, 55081), (Start: 65 @55183 has 182 MA's), (85, 55243), (Start: 89 @55267 has 1 MA's), (112, 55420), (114, 55435), (149, 55582),

Gene: Tainan_245 Start: 134936, Stop: 135598, Start Num: 63
Candidate Starts for Tainan_245:
(23, 134717), (24, 134720), (32, 134783), (45, 134903), (Start: 63 @134936 has 38 MA's), (74, 134951), (75, 134954), (87, 135002), (102, 135104), (103, 135107), (110, 135161), (112, 135170), (122, 135239), (124, 135245), (142, 135296), (143, 135302), (147, 135320), (149, 135332), (163, 135407), (174, 135464), (204, 135590),

Gene: Taj_109 Start: 57457, Stop: 58080, Start Num: 65
Candidate Starts for Taj_109:
(43, 57355), (Start: 65 @57457 has 182 MA's), (75, 57478), (85, 57517), (87, 57526), (Start: 89 @57541 has 1 MA's), (112, 57694), (114, 57709), (149, 57856), (172, 57979),

Gene: Tchotchke_99 Start: 54976, Stop: 55590, Start Num: 62
Candidate Starts for Tchotchke_99:
(44, 54865), (Start: 62 @54976 has 55 MA's), (85, 55039), (Start: 89 @55063 has 1 MA's), (114, 55231), (148, 55369), (149, 55378),

Gene: Teardrop_243 Start: 134876, Stop: 135538, Start Num: 68
Candidate Starts for Teardrop_243:
(30, 134651), (45, 134774), (Start: 68 @134876 has 160 MA's), (74, 134891), (75, 134894), (87, 134942), (102, 135044), (103, 135047), (110, 135101), (112, 135110), (122, 135179), (124, 135185), (142, 135236), (143, 135242), (147, 135260), (149, 135272), (163, 135347), (174, 135404), (204, 135530),

Gene: TelAviv_33 Start: 18444, Stop: 19064, Start Num: 70
Candidate Starts for TelAviv_33:
(Start: 70 @18444 has 35 MA's), (75, 18462), (83, 18495), (87, 18510), (95, 18573), (102, 18618), (103, 18621), (115, 18702), (120, 18744), (141, 18807), (143, 18822), (145, 18828), (163, 18930), (176, 18981),

Gene: Tesla_84 Start: 46713, Stop: 47375, Start Num: 61
Candidate Starts for Tesla_84:
(Start: 61 @46713 has 20 MA's), (79, 46761), (Start: 89 @46800 has 1 MA's), (98, 46848), (102, 46884), (106, 46911), (112, 46950), (113, 46971), (142, 47100), (157, 47181), (163, 47214), (165, 47235), (166, 47238), (190, 47337), (197, 47364),

Gene: ThetaBob_105 Start: 55579, Stop: 56187, Start Num: 68
Candidate Starts for ThetaBob_105:
(Start: 68 @55579 has 160 MA's), (79, 55624), (Start: 89 @55663 has 1 MA's), (98, 55711), (102, 55750), (103, 55753), (172, 56095),

Gene: TinyTim_243 Start: 134843, Stop: 135505, Start Num: 68
Candidate Starts for TinyTim_243:
(30, 134618), (45, 134741), (Start: 68 @134843 has 160 MA's), (74, 134858), (75, 134861), (87, 134909), (102, 135011), (103, 135014), (110, 135068), (112, 135077), (122, 135146), (124, 135152), (142, 135203), (143, 135209), (147, 135227), (149, 135239), (163, 135314), (174, 135371), (204, 135497),

Gene: Tonenili_267 Start: 140669, Stop: 141331, Start Num: 68
Candidate Starts for Tonenili_267:
(23, 140381), (24, 140384), (32, 140447), (45, 140567), (Start: 68 @140669 has 160 MA's), (74, 140684), (75, 140687), (87, 140735), (102, 140837), (106, 140864), (110, 140894), (122, 140972), (124, 140978), (143, 141035), (149, 141065), (163, 141140), (168, 141182), (196, 141287),

Gene: TootsiePop_93 Start: 56752, Stop: 57363, Start Num: 65
Candidate Starts for TootsiePop_93:
(42, 56641), (43, 56650), (Start: 65 @56752 has 182 MA's), (75, 56773), (85, 56812), (87, 56821), (Start: 89 @56836 has 1 MA's), (98, 56884), (102, 56923), (112, 56989), (114, 57004), (148, 57142), (149, 57151),

Gene: Tootsieroll_96 Start: 56682, Stop: 57503, Start Num: 31
Candidate Starts for Tootsieroll_96:
(27, 56667), (28, 56670), (Start: 31 @56682 has 1 MA's), (33, 56688), (34, 56700), (Start: 65 @56892 has 182 MA's), (85, 56952), (87, 56961), (Start: 89 @56976 has 1 MA's), (98, 57024), (103, 57066), (112, 57129), (114, 57144), (149, 57291),

Gene: Topiatin_105 Start: 57212, Stop: 57835, Start Num: 65
Candidate Starts for Topiatin_105:
(43, 57110), (Start: 65 @57212 has 182 MA's), (85, 57272), (Start: 89 @57296 has 1 MA's), (149, 57611),

Gene: Toron_106 Start: 58189, Stop: 58803, Start Num: 68
Candidate Starts for Toron_106:
(Start: 68 @58189 has 160 MA's), (79, 58234), (84, 58246), (86, 58255), (87, 58258), (Start: 89 @58273 has 1 MA's), (98, 58321), (103, 58363), (125, 58504), (163, 58657), (165, 58678), (172, 58705),

Gene: Tortoise16_243 Start: 135305, Stop: 135967, Start Num: 68
Candidate Starts for Tortoise16_243:
(30, 135080), (45, 135203), (Start: 68 @135305 has 160 MA's), (74, 135320), (75, 135323), (87, 135371), (102, 135473), (103, 135476), (110, 135530), (112, 135539), (122, 135608), (124, 135614), (142, 135665), (143, 135671), (147, 135689), (149, 135701), (163, 135776), (174, 135833), (204, 135959),

Gene: Totinger_106 Start: 56746, Stop: 57357, Start Num: 65
Candidate Starts for Totinger_106:
(43, 56644), (Start: 65 @56746 has 182 MA's), (75, 56767), (85, 56806), (87, 56815), (Start: 89 @56830 has 1 MA's), (98, 56878), (102, 56917), (112, 56983), (114, 56998), (149, 57145),

Gene: Trax_125 Start: 70334, Stop: 71098, Start Num: 58
Candidate Starts for Trax_125:
(Start: 58 @70334 has 7 MA's), (Start: 62 @70346 has 55 MA's), (67, 70355), (80, 70409), (95, 70499), (101, 70544), (110, 70607), (116, 70646), (126, 70700), (133, 70721), (142, 70745), (143, 70751), (145, 70757), (148, 70772), (153, 70793), (161, 70853), (163, 70862), (168, 70904), (171, 70916),

(198, 71024),

Gene: Trinitium_241 Start: 133597, Stop: 134259, Start Num: 68
Candidate Starts for Trinitium_241:
(30, 133372), (45, 133495), (Start: 68 @133597 has 160 MA's), (74, 133612), (75, 133615), (87, 133663), (102, 133765), (103, 133768), (110, 133822), (112, 133831), (122, 133900), (124, 133906), (142, 133957), (143, 133963), (147, 133981), (149, 133993), (163, 134068), (174, 134125), (204, 134251),

Gene: Turret_236 Start: 133179, Stop: 133841, Start Num: 68
Candidate Starts for Turret_236:
(30, 132954), (45, 133077), (Start: 68 @133179 has 160 MA's), (74, 133194), (75, 133197), (87, 133245), (102, 133347), (103, 133350), (110, 133404), (112, 133413), (122, 133482), (124, 133488), (142, 133539), (143, 133545), (147, 133563), (149, 133575), (163, 133650), (174, 133707), (204, 133833),

Gene: Tweety_108 Start: 57599, Stop: 58225, Start Num: 62
Candidate Starts for Tweety_108:
(44, 57488), (Start: 62 @57599 has 55 MA's), (85, 57662), (Start: 89 @57686 has 1 MA's), (102, 57773), (112, 57839), (149, 58001), (172, 58124),

Gene: Tyke_242 Start: 137428, Stop: 138090, Start Num: 63
Candidate Starts for Tyke_242:
(23, 137209), (24, 137212), (32, 137275), (45, 137395), (Start: 63 @137428 has 38 MA's), (74, 137443), (75, 137446), (87, 137494), (102, 137596), (103, 137599), (110, 137653), (112, 137662), (122, 137731), (124, 137737), (142, 137788), (143, 137794), (147, 137812), (149, 137824), (163, 137899), (174, 137956), (204, 138082),

Gene: UncleRicky_105 Start: 56637, Stop: 57164, Start Num: 89
Candidate Starts for UncleRicky_105:
(Start: 89 @56637 has 1 MA's), (112, 56790), (114, 56805), (149, 56952),

Gene: VRedHorse_104 Start: 53708, Stop: 54331, Start Num: 65
Candidate Starts for VRedHorse_104:
(9, 53270), (18, 53396), (19, 53399), (37, 53537), (43, 53606), (Start: 65 @53708 has 182 MA's), (75, 53729), (85, 53768), (87, 53777), (Start: 89 @53792 has 1 MA's), (102, 53879), (112, 53945), (114, 53960), (149, 54107),

Gene: Vagabond_36 Start: 18277, Stop: 18897, Start Num: 70
Candidate Starts for Vagabond_36:
(11, 17884), (Start: 70 @18277 has 35 MA's), (75, 18295), (83, 18328), (87, 18343), (95, 18406), (102, 18451), (103, 18454), (115, 18535), (120, 18577), (141, 18640), (143, 18655), (145, 18661), (163, 18763), (176, 18814),

Gene: ValleyTerrace_246 Start: 134756, Stop: 135418, Start Num: 68
Candidate Starts for ValleyTerrace_246:
(30, 134531), (45, 134654), (Start: 68 @134756 has 160 MA's), (74, 134771), (75, 134774), (87, 134822), (102, 134924), (103, 134927), (110, 134981), (112, 134990), (122, 135059), (124, 135065), (142, 135116), (143, 135122), (147, 135140), (149, 135152), (163, 135227), (174, 135284), (204, 135410),

Gene: VasuNzinga_86 Start: 46802, Stop: 47464, Start Num: 61
Candidate Starts for VasuNzinga_86:

(Start: 61 @46802 has 20 MA's), (79, 46850), (Start: 89 @46889 has 1 MA's), (98, 46937), (102, 46973), (106, 47000), (112, 47039), (113, 47060), (142, 47189), (157, 47270), (163, 47303), (165, 47324), (166, 47327), (190, 47426), (197, 47453),

Gene: Velveteen_100 Start: 53609, Stop: 54220, Start Num: 65
Candidate Starts for Velveteen_100:
(43, 53507), (Start: 65 @53609 has 182 MA's), (75, 53630), (85, 53669), (87, 53678), (Start: 89 @53693 has 1 MA's), (112, 53846), (114, 53861), (149, 54008),

Gene: Veteran_93 Start: 55056, Stop: 55679, Start Num: 65
Candidate Starts for Veteran_93:
(43, 54954), (Start: 65 @55056 has 182 MA's), (75, 55077), (85, 55116), (87, 55125), (Start: 89 @55140 has 1 MA's), (112, 55293), (114, 55308), (149, 55455), (172, 55578),

Gene: Violac_104 Start: 57104, Stop: 57727, Start Num: 65
Candidate Starts for Violac_104:
(43, 57002), (Start: 65 @57104 has 182 MA's), (75, 57125), (85, 57164), (Start: 89 @57188 has 1 MA's), (98, 57236), (114, 57356), (149, 57503),

Gene: Vivum_102 Start: 58046, Stop: 58669, Start Num: 65
Candidate Starts for Vivum_102:
(1, 57281), (2, 57377), (3, 57404), (4, 57410), (5, 57413), (26, 57815), (28, 57824), (33, 57842), (43, 57944), (Start: 65 @58046 has 182 MA's), (75, 58067), (85, 58106), (87, 58115), (Start: 89 @58130 has 1 MA's), (102, 58217), (112, 58283), (114, 58298), (149, 58445), (172, 58568),

Gene: Volt_142 Start: 65643, Stop: 66344, Start Num: 62
Candidate Starts for Volt_142:
(Start: 58 @65631 has 7 MA's), (Start: 62 @65643 has 55 MA's), (75, 65664), (90, 65736), (114, 65898), (124, 65967), (128, 65976), (140, 66015), (149, 66063), (152, 66081), (158, 66132), (160, 66147), (162, 66153), (175, 66219), (193, 66306),

Gene: Vorrps_35 Start: 18047, Stop: 18667, Start Num: 70
Candidate Starts for Vorrps_35:
(Start: 70 @18047 has 35 MA's), (75, 18065), (83, 18098), (87, 18113), (95, 18176), (102, 18221), (103, 18224), (115, 18305), (120, 18347), (141, 18410), (143, 18425), (145, 18431), (163, 18533), (176, 18584),

Gene: Vortrix_263 Start: 139456, Stop: 140118, Start Num: 68
Candidate Starts for Vortrix_263:
(23, 139168), (24, 139171), (32, 139234), (45, 139354), (Start: 68 @139456 has 160 MA's), (74, 139471), (75, 139474), (87, 139522), (102, 139624), (106, 139651), (110, 139681), (122, 139759), (124, 139765), (143, 139822), (149, 139852), (163, 139927), (168, 139969), (196, 140074),

Gene: Wachhund_100 Start: 53423, Stop: 54046, Start Num: 66
Candidate Starts for Wachhund_100:
(48, 53345), (52, 53387), (Start: 53 @53396 has 2 MA's), (Start: 66 @53423 has 18 MA's), (85, 53483), (87, 53492), (Start: 89 @53507 has 1 MA's), (98, 53555), (102, 53594), (112, 53660), (114, 53675), (149, 53822),

Gene: Wally_243 Start: 134740, Stop: 135402, Start Num: 68
Candidate Starts for Wally_243:
(30, 134515), (45, 134638), (Start: 68 @134740 has 160 MA's), (74, 134755), (75, 134758), (87, 134806), (102, 134908), (103, 134911), (110, 134965), (112, 134974), (122, 135043), (124, 135049),

(142, 135100), (143, 135106), (147, 135124), (149, 135136), (163, 135211), (174, 135268), (204, 135394),

Gene: Wee_108 Start: 58140, Stop: 58763, Start Num: 65
Candidate Starts for Wee_108:
(43, 58038), (Start: 65 @58140 has 182 MA's), (75, 58161), (85, 58200), (87, 58209), (Start: 89 @58224 has 1 MA's), (112, 58377), (114, 58392), (149, 58539), (172, 58662),

Gene: Whatsapiecost_98 Start: 51735, Stop: 52358, Start Num: 65
Candidate Starts for Whatsapiecost_98:
(16, 51411), (21, 51438), (37, 51564), (43, 51633), (Start: 65 @51735 has 182 MA's), (75, 51756), (85, 51795), (87, 51804), (Start: 89 @51819 has 1 MA's), (98, 51867), (112, 51972), (114, 51987), (149, 52134), (172, 52257),

Gene: Whouxphf_107 Start: 58002, Stop: 58625, Start Num: 65
Candidate Starts for Whouxphf_107:
(43, 57900), (Start: 65 @58002 has 182 MA's), (75, 58023), (85, 58062), (87, 58071), (Start: 89 @58086 has 1 MA's), (98, 58134), (102, 58173), (112, 58239), (114, 58254), (149, 58401), (172, 58524),

Gene: Wildflower_36 Start: 18033, Stop: 18653, Start Num: 70
Candidate Starts for Wildflower_36:
(11, 17640), (Start: 70 @18033 has 35 MA's), (75, 18051), (83, 18084), (87, 18099), (95, 18162), (102, 18207), (103, 18210), (115, 18291), (120, 18333), (141, 18396), (143, 18411), (145, 18417), (163, 18519), (176, 18570),

Gene: WillSterrel_102 Start: 56736, Stop: 57362, Start Num: 62
Candidate Starts for WillSterrel_102:
(44, 56625), (Start: 62 @56736 has 55 MA's), (85, 56799), (Start: 89 @56823 has 1 MA's), (149, 57138),

Gene: Willis_246 Start: 135679, Stop: 136341, Start Num: 68
Candidate Starts for Willis_246:
(23, 135391), (24, 135394), (32, 135457), (45, 135577), (Start: 68 @135679 has 160 MA's), (74, 135694), (75, 135697), (87, 135745), (102, 135847), (103, 135850), (110, 135904), (112, 135913), (122, 135982), (124, 135988), (142, 136039), (143, 136045), (147, 136063), (149, 136075), (163, 136150), (174, 136207), (204, 136333),

Gene: Winget_37 Start: 18716, Stop: 19336, Start Num: 70
Candidate Starts for Winget_37:
(11, 18323), (Start: 70 @18716 has 35 MA's), (75, 18734), (83, 18767), (87, 18782), (95, 18845), (102, 18890), (103, 18893), (115, 18974), (120, 19016), (141, 19079), (143, 19094), (145, 19100), (163, 19202), (176, 19253),

Gene: Wogge42_35 Start: 18355, Stop: 18975, Start Num: 70
Candidate Starts for Wogge42_35:
(11, 17962), (Start: 70 @18355 has 35 MA's), (75, 18373), (83, 18406), (87, 18421), (95, 18484), (102, 18529), (103, 18532), (115, 18613), (120, 18655), (141, 18718), (143, 18733), (145, 18739), (163, 18841), (176, 18892),

Gene: XFactor_95 Start: 54526, Stop: 55149, Start Num: 65
Candidate Starts for XFactor_95:

(16, 54202), (37, 54355), (43, 54424), (Start: 65 @54526 has 182 MA's), (75, 54547), (85, 54586), (87, 54595), (Start: 89 @54610 has 1 MA's), (98, 54658), (102, 54697), (112, 54763), (114, 54778), (149, 54925), (172, 55048),

Gene: Xula_73 Start: 47477, Stop: 48097, Start Num: 72
Candidate Starts for Xula_73:
(59, 47441), (Start: 62 @47450 has 55 MA's), (Start: 72 @47477 has 3 MA's), (103, 47642), (148, 47867), (164, 47963), (180, 48023), (192, 48080),

Gene: Yassified_241 Start: 134886, Stop: 135548, Start Num: 68
Candidate Starts for Yassified_241:
(23, 134598), (24, 134601), (32, 134664), (45, 134784), (Start: 68 @134886 has 160 MA's), (74, 134901), (75, 134904), (87, 134952), (102, 135054), (103, 135057), (110, 135111), (112, 135120), (122, 135189), (124, 135195), (142, 135246), (143, 135252), (147, 135270), (149, 135282), (163, 135357), (174, 135414), (204, 135540),

Gene: YemiJoy2021_246 Start: 136410, Stop: 137072, Start Num: 68
Candidate Starts for YemiJoy2021_246:
(23, 136122), (24, 136125), (32, 136188), (45, 136308), (Start: 68 @136410 has 160 MA's), (74, 136425), (75, 136428), (87, 136476), (102, 136578), (103, 136581), (110, 136635), (112, 136644), (122, 136713), (124, 136719), (142, 136770), (143, 136776), (147, 136794), (149, 136806), (163, 136881), (174, 136938), (204, 137064),

Gene: Yorick_99 Start: 57364, Stop: 57987, Start Num: 65
Candidate Starts for Yorick_99:
(43, 57262), (Start: 65 @57364 has 182 MA's), (85, 57424), (Start: 89 @57448 has 1 MA's), (149, 57763),

Gene: Yoshi_116 Start: 58001, Stop: 58603, Start Num: 62
Candidate Starts for Yoshi_116:
(Start: 62 @58001 has 55 MA's), (87, 58070), (98, 58133), (102, 58172), (149, 58400), (192, 58592),

Gene: YoungMoneyMata_245 Start: 135871, Stop: 136533, Start Num: 63
Candidate Starts for YoungMoneyMata_245:
(23, 135652), (24, 135655), (32, 135718), (45, 135838), (Start: 63 @135871 has 38 MA's), (74, 135886), (75, 135889), (87, 135937), (102, 136039), (103, 136042), (110, 136096), (112, 136105), (122, 136174), (124, 136180), (142, 136231), (143, 136237), (147, 136255), (149, 136267), (163, 136342), (174, 136399), (204, 136525),

Gene: YoyoKar_34 Start: 18000, Stop: 18620, Start Num: 70
Candidate Starts for YoyoKar_34:
(11, 17607), (Start: 70 @18000 has 35 MA's), (75, 18018), (83, 18051), (87, 18066), (95, 18129), (102, 18174), (103, 18177), (115, 18258), (120, 18300), (141, 18363), (143, 18378), (145, 18384), (151, 18414), (163, 18486), (176, 18537),

Gene: Yucca_245 Start: 136402, Stop: 137064, Start Num: 68
Candidate Starts for Yucca_245:
(30, 136177), (45, 136300), (Start: 68 @136402 has 160 MA's), (74, 136417), (75, 136420), (87, 136468), (102, 136570), (103, 136573), (110, 136627), (112, 136636), (122, 136705), (124, 136711), (142, 136762), (143, 136768), (147, 136786), (149, 136798), (163, 136873), (174, 136930), (204, 137056),

Gene: YungJamal_39 Start: 18779, Stop: 19399, Start Num: 70

Candidate Starts for YungJamal_39:
(11, 18386), (Start: 70 @18779 has 35 MA's), (75, 18797), (83, 18830), (87, 18845), (95, 18908), (102, 18953), (103, 18956), (115, 19037), (120, 19079), (141, 19142), (143, 19157), (145, 19163), (163, 19265), (176, 19316),

Gene: Zakhe101_36 Start: 18178, Stop: 18798, Start Num: 70
Candidate Starts for Zakhe101_36:
(11, 17785), (Start: 70 @18178 has 35 MA's), (75, 18196), (83, 18229), (87, 18244), (95, 18307), (102, 18352), (103, 18355), (115, 18436), (120, 18478), (141, 18541), (143, 18556), (145, 18562), (163, 18664), (176, 18715),

Gene: Zalkecks_244 Start: 135508, Stop: 136170, Start Num: 68
Candidate Starts for Zalkecks_244:
(23, 135220), (24, 135223), (32, 135286), (45, 135406), (Start: 68 @135508 has 160 MA's), (74, 135523), (75, 135526), (87, 135574), (102, 135676), (103, 135679), (110, 135733), (112, 135742), (122, 135811), (124, 135817), (142, 135868), (143, 135874), (147, 135892), (149, 135904), (163, 135979), (174, 136036), (204, 136162),

Gene: Zapner_108 Start: 54592, Stop: 55194, Start Num: 62
Candidate Starts for Zapner_108:
(Start: 62 @54592 has 55 MA's), (79, 54637), (84, 54649), (98, 54724), (102, 54763), (103, 54766), (149, 54991), (192, 55183),

Gene: Zebo_36 Start: 18450, Stop: 19070, Start Num: 70
Candidate Starts for Zebo_36:
(11, 18057), (Start: 70 @18450 has 35 MA's), (75, 18468), (83, 18501), (87, 18516), (95, 18579), (102, 18624), (103, 18627), (115, 18708), (120, 18750), (141, 18813), (143, 18828), (145, 18834), (163, 18936), (176, 18987),

Gene: Zeenon_246 Start: 136042, Stop: 136704, Start Num: 68
Candidate Starts for Zeenon_246:
(23, 135754), (24, 135757), (32, 135820), (45, 135940), (Start: 68 @136042 has 160 MA's), (74, 136057), (75, 136060), (87, 136108), (102, 136210), (103, 136213), (110, 136267), (112, 136276), (122, 136345), (124, 136351), (142, 136402), (143, 136408), (147, 136426), (149, 136438), (163, 136513), (174, 136570), (204, 136696),

Gene: Zerg_102 Start: 56214, Stop: 56837, Start Num: 65
Candidate Starts for Zerg_102:
(43, 56112), (Start: 65 @56214 has 182 MA's), (75, 56235), (85, 56274), (87, 56283), (Start: 89 @56298 has 1 MA's), (102, 56385), (112, 56451), (114, 56466), (149, 56613), (172, 56736),

Gene: Ziko_142 Start: 65935, Stop: 66648, Start Num: 58
Candidate Starts for Ziko_142:
(Start: 58 @65935 has 7 MA's), (Start: 62 @65947 has 55 MA's), (75, 65968), (90, 66040), (114, 66202), (124, 66271), (128, 66280), (140, 66319), (149, 66367), (152, 66385), (158, 66436), (160, 66451), (162, 66457), (175, 66523), (193, 66610),

Gene: Zizzle_107 Start: 58290, Stop: 58913, Start Num: 65
Candidate Starts for Zizzle_107:
(43, 58188), (Start: 65 @58290 has 182 MA's), (75, 58311), (85, 58350), (87, 58359), (Start: 89 @58374 has 1 MA's), (98, 58422), (102, 58461), (112, 58527), (114, 58542), (149, 58689), (172, 58812),

Gene: ZygoTaiga_241 Start: 136699, Stop: 137361, Start Num: 68
Candidate Starts for ZygoTaiga_241:
(23, 136411), (24, 136414), (32, 136477), (45, 136597), (Start: 68 @136699 has 160 MA's), (74, 136714), (75, 136717), (87, 136765), (102, 136867), (103, 136870), (110, 136924), (112, 136933), (122, 137002), (124, 137008), (142, 137059), (143, 137065), (147, 137083), (149, 137095), (163, 137170), (174, 137227), (204, 137353),

Gene: phiAsp2_35 Start: 30723, Stop: 31466, Start Num: 68
Candidate Starts for phiAsp2_35:
(Start: 68 @30723 has 160 MA's), (75, 30744), (81, 30771), (114, 30996), (121, 31050), (130, 31077), (140, 31104), (142, 31113), (146, 31131), (149, 31149), (155, 31179), (156, 31191), (157, 31197), (166, 31254), (178, 31305), (189, 31362), (191, 31374), (192, 31377),