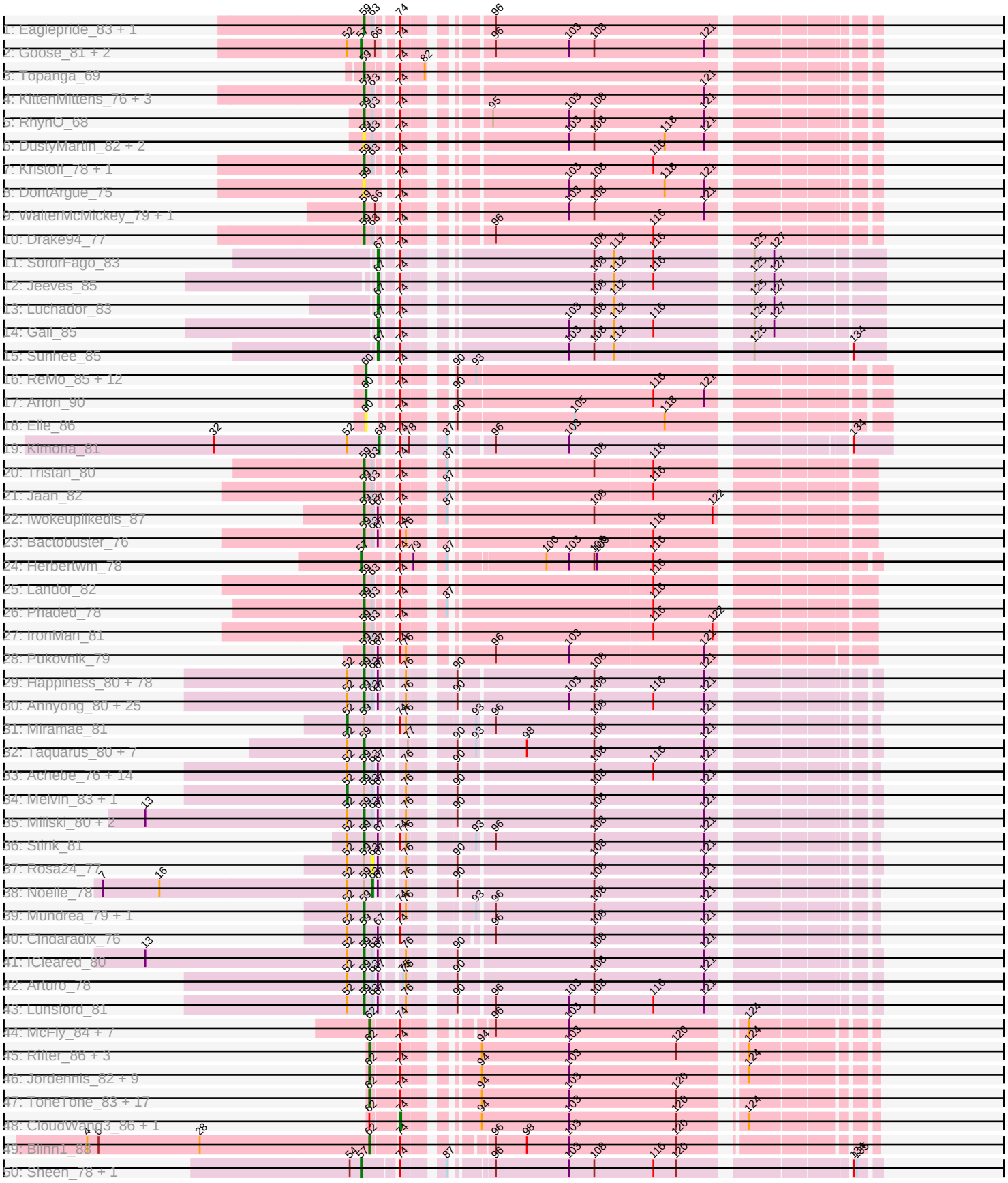
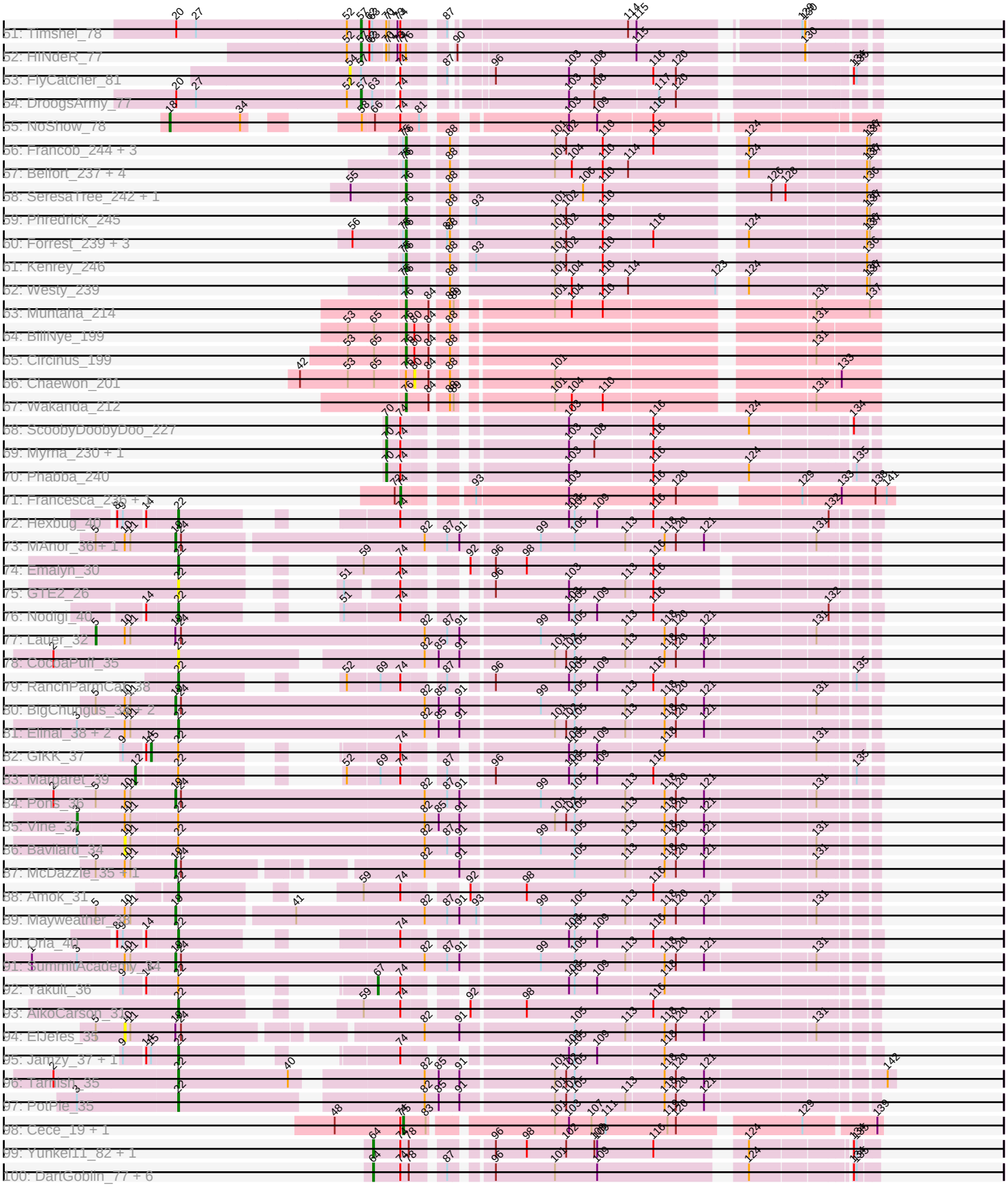
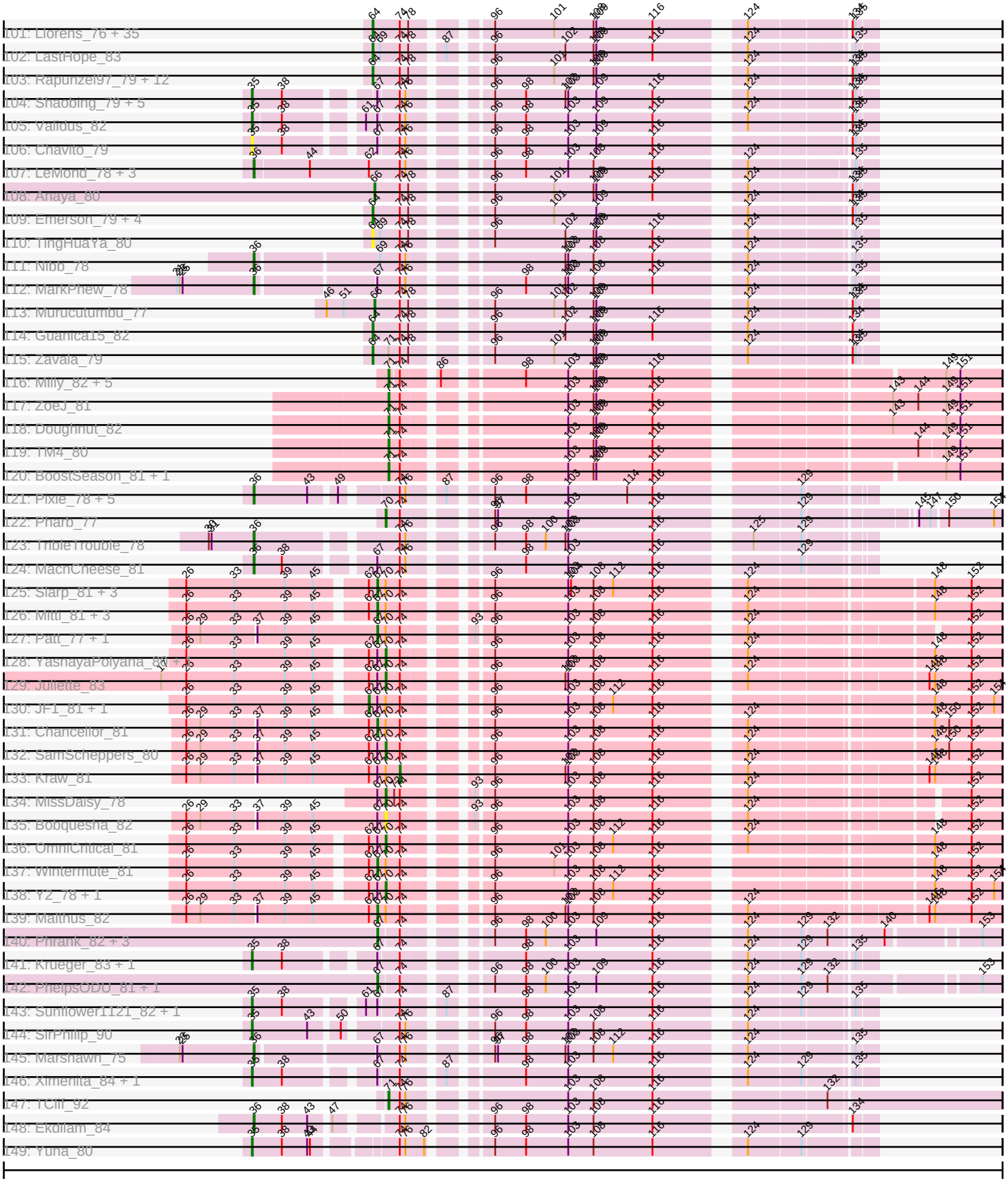
Pham 304609


1: Eaglepride_83 + 1
2: Goose_81 + 2
3: Topanga_69
4: KittenMittens_76 + 3
5: RhynO_68
6: DustyMartin_82 + 2
7: Kristoff_78 + 1
8: DontArgue_75
9: WalterMcMickey_79 + 1
10: Drake94_77
11: SororFago_83
12: Jeeves_85
13: Luchador_83
14: Gail_85
15: Sunnee_85
16: ReMo_85 + 12
17: Anon_90
18: Elle_86
19: Kimona_81
20: Tristan_80
21: Jaan_82
22: Iwokeuplikedis_87
23: Bactobuster_76
24: Herbertwm_78
25: Landor_82
26: Phaded_78
27: IronMan_81
28: Pukovnik_79
29: Happiness_80 + 78
30: Annyong_80 + 25
31: Miramae_81
32: Taquarus_80 + 7
33: Achebe_76 + 14
34: Melvin_83 + 1
35: Milliski_80 + 2
36: Stink_81
37: Rosa24_77
38: Noelle_78
39: Mundrea_79 + 1
40: Cindaradix_76
41: ICleared_80
42: Arturo_78
43: Lunsford_81
44: McFly_84 + 7
45: Ritter_86 + 3
46: Jordennis_82 + 9
47: ToneTone_83 + 17
48: CloudWang3_86 + 1
49: Blinn1_88
50: Sheen_78 + 1

Pham 304609


51: Timshel_78
52: HiNdeR_77
53: FlyCatcher_81
54: DroogsArmy_77
55: NoSnow_78
56: Francob_244 + 3
57: Belfort_237 + 4
58: SeresaTree_242 + 1
59: Phredrick_245
60: Forrest_239 + 3
61: Kenrey_246
62: Westy_239
63: Muntana_214
64: BillNye_199
65: Circinus_199
66: Chaewon_201
67: Wakanda_212
68: ScoobyDoobyDoo_227
69: Myrna_230 + 1
70: Phabba_240
71: Francesca_236 + 1
72: Hexbug_40
73: MAnor_36 + 1
74: Emalyn_30
75: GTE2_26
76: Nodigi_40
77: Lauer_32
78: CocoaPuff_35
79: RanchPartyCat_38
80: BigChuggus_36 + 2
81: Elinal_38 + 2
82: GIKK_37
83: Margaret_39
84: PonE_36
85: Vine_37
86: Bavilard_34
87: McDazzle_35 + 1
88: Amok_31
89: Mayweather_38
90: Qria_40
91: SummitAcademy_34
92: Yakult_36
93: AikoCarson_31
94: ElJefes_35
95: Jamzy_37 + 1
96: Tamish_35
97: PotPie_35
98: Cece_19 + 1
99: Yunkel11_82 + 1
100: DartGoblin_77 + 6

Pham 304609


I01: Llorens_76 + 35
I02: LastHope_83
I03: Rapunzel97_79 + 12
I04: Shabbing_79 + 5
I05: Validus_82
I06: Chavito_79
I07: LeMond_78 + 3
I08: Anaya_80
I09: Emerson_79 + 4
I10: TingHuaYa_80
I11: Nibb_78
I12: MarkPhew_78
I13: Mururutumbu_77
I14: Guanica15_82
I15: Zavala_79
I16: Milly_82 + 5
I17: ZoeJ_81
I18: Doughnut_82
I19: TM4_80
I20: BoostSeason_81 + 1
I21: Pixie_78 + 5
I22: Pharb_77
I23: TripleTrouble_78
I24: MacnCheese_81
I25: Slarp_81 + 3
I26: Mitti_81 + 3
I27: Patt_77 + 1
I28: YasnayaPolyana_80 + 1
I29: Juliette_83
I30: JF1_81 + 1
I31: Chancellor_81
I32: SamScheppers_80
I33: Kraw_81
I34: MissDaisy_78
I35: Bobquesha_82
I36: OmniCritical_81
I37: Wintermute_81
I38: Y2_78 + 1
I39: Malthus_82
I40: Phrank_82 + 3
I41: Krueger_83 + 1
I42: PhelpsODU_81 + 1
I43: Sunflower1121_82 + 1
I44: SirPhilip_90
I45: Marshawn_75
I46: Ximenita_84 + 1
I47: TCliff_92
I48: Ekdilam_84
I49: Yuna_80

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 304609 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304609 has 452 members, 32 are drafts.

Phages represented in each track:
• Track 1 : Eaglepride_83, Stasia_78
• Track 2 : Goose_81, Chupacabra_77, OKCentral2016_79
• Track 3 : Topanga_69
• Track 4 : KittenMittens_76, Poompha_77, Severus_78, PeaceMeal1_77
• Track 5 : RhynO_68
• Track 6 : DustyMartin_82, Shapes_82, Rowdy_82
• Track 7 : Kristoff_78, Rebeuca_81
• Track 8 : DontArgue_75
• Track 9 : WalterMcMickey_79, Twister_80
• Track 10 : Drake94_77
• Track 11 : SororFago_83
• Track 12 : Jeeves_85
• Track 13 : Luchador_83
• Track 14 : Gail_85
• Track 15 : Sunhee_85
• Track 16 : ReMo_85, MinecraftSteve_88, ShayRa_85, Boohoo_86, Battleship_90, Switzerland_85, LastResort_85, Anaysia_87, JSwag_87, KatherineG_87, Waits_87, DekHockey33_89, Nebulosus_84
• Track 17 : Anon_90
• Track 18 : Elle_86
• Track 19 : Kimona_81
• Track 20 : Tristan_80
• Track 21 : Jaan_82
• Track 22 : Iwokeuplikedis_87
• Track 23 : Bactobuster_76
• Track 24 : Herbertwm_78
• Track 25 : Landor_82
• Track 26 : Phaded_78
• Track 27 : IronMan_81
• Track 28 : Pukovnik_79
• Track 29 : Happiness_80, Eurydice_82, Romney_80, Chaph_81, Burger_79, LochMonster_82, Koreni_80, Bombshell_81, Mazhar510_81, JoongJeon_80, OKaNui_80, Wilbur_81, SenorClean_82, SteMason_77, Phelipe_81, KFPoly_80, Obama12_82, Huxley_73, KekoraPapaka_78, Funston_80, Phighter1804_81, Eris_80, CentreCat_81, Nebs_82, NotAPhaseMom_80, SheldonCooper_81, Cerulean_83, Relief_80, Bruiser_80, Camperdownii_77, Medusa_80, Scamp_81, Flux_82, Eapen_81, Caelakin_79, Eagle_80, Dhanush_81, Iceman_79, Shygu2_79,

YoSam321_81, ChampagnePapi_84, Kyee_81, Palestino_80, Maverick_80, Spino_80, PeterPeter_81, Houdini22_80, Ulysses_80, Ruin_81, Lorenzo_81, Cocoaberry_81, TygerBlood_81, Pipcraft_77, Avle17_81, LHTSCC_83, Phacado_81, Sabertooth_81, Kremtemulon_78, Xena_77, Tinybot_80, Ohfah_82, Kratark_80, Koan_78, NorthStar_78, Maxo_83, Cintron_81, Kampy_80, Gadost_81, Nemo27_80, Kingmustik0402_81, Lemur_81, Datway_78, BangNhom_78, Sultana_81, Wander_81, TroyPia_82, LittleB_81, Clarenza_80, Iracema64_81
• Track 30 : Annyong_80, Pumbaa_81, Polymorphads_82, Connomayer_81, TinaFeyge_79, Albee_81, Jaykayelowell_78, Florean_81, DirtyDunning_80, BubbleTrouble_80, Baby16_81, Sparxx_82, Roosevelt_79, TiroTheta9_80, JetBlade_82, LappelDuVide_81, Holli_80, Abdiel_80, Citius_81, Broseidon_81, Deano_78, Shaka_79, HamSlice_77, Morrow_83, Blackmoor_80, Bartimeaus_81
• Track 31 : Miramae_81
• Track 32 : Taquarus_80, RockieBear_78, LittleGuy_81, Nyxis_80, Eros_81, Phontbonne_81, Commander_79, Peaches_79
• Track 33 : Achebe_76, Morpher26_77, Wile_76, Alberto7_82, Katalie136_77, AbbysRanger_77, Perplexer_77, Backyardigan_75, Druantia_79, Badger_76, Wizard007_77, Bumblebee11_76, BellusTerra_81, Cici_77, PetiteSangsue_77
• Track 34 : Melvin_83, Skipitt_80
• Track 35 : Millski_80, Thanksgivukkah_80, MeeZee_80
• Track 36 : Stink_81
• Track 37 : Rosa24_77
• Track 38 : Noelle_78
• Track 39 : Mundrea_79, AvatarAhPeg_81
• Track 40 : Cindaradix_76
• Track 41 : ICleared_80
• Track 42 : Arturo_78
• Track 43 : Lunsford_81
• Track 44 : McFly_84, DaVinci_82, Cookiedough_84, Neeharika16_83, Chartreuse_83, Dorothea_84, Kipper29_84, BABullseye_77
• Track 45 : Rifter_86, Gruunaga_85, Hexamo_85, Gladiator_82
• Track 46 : Jordennis_82, Candra_82, Hoot_79, Pmask_83, Kazan_85, SuperAwesome_84, VohminGhazi_84, GreedyLawyer_78, Newrala_83, SmellyB_84
• Track 47 : ToneTone_83, Wiks_85, Artemis2UCLA_85, WunderPhul_86, Helmet_88, Temprado_87, Zulu_87, Lilbunny_85, Blue7_87, Roksolana_86, Zaka_86, BlessJoy_86, Tucker_86, Indra_89, Koko_87, Yokurt_85, BennyP_86, Garak_87
• Track 48 : CloudWang3_86, Hammer_86
• Track 49 : Blinn1_88
• Track 50 : Sheen_78, Toro_79
• Track 51 : Timshel_78
• Track 52 : HINdeR_77
• Track 53 : FlyCatcher_81
• Track 54 : DroogsArmy_77
• Track 55 : NoShow_78
• Track 56 : Francob_244, Maupel_243, Gilson_240, MeganTheeKilla_243
• Track 57 : Belfort_237, Comrade_233, Karp_236, SparkleGoddess_238, Stigma_236
• Track 58 : SeresaTree_242, Faust_238
• Track 59 : Phredrick_245
• Track 60 : Forrest_239, Emma1919_241, DeluluLabubu_241, Jada_238
• Track 61 : Kenrey_246
• Track 62 : Westy_239

• Track 63 : Muntaha_214
• Track 64 : BillNye_199
• Track 65 : Circinus_199
• Track 66 : Chaewon_201
• Track 67 : Wakanda_212
• Track 68 : ScoobyDoobyDoo_227
• Track 69 : Myrna_230, Greely_237
• Track 70 : Phabba_240
• Track 71 : Francesca_236, Dorin_235
• Track 72 : Hexbug_40
• Track 73 : MAnor_36, CherryonLim_37
• Track 74 : Emalyn_30
• Track 75 : GTE2_26
• Track 76 : Nodigi_40
• Track 77 : Lauer_32
• Track 78 : CocoaPuff_35
• Track 79 : RanchParmCat_38
• Track 80 : BigChungus_34, Feastonyeet_34, Balloona_33
• Track 81 : Elinal_38, KayGee_36, Yucky_37
• Track 82 : GiKK_37
• Track 83 : Margaret_39
• Track 84 : Pons_36
• Track 85 : Vine_37
• Track 86 : Bavilard_34
• Track 87 : McDazzle_35, SheckWes_37
• Track 88 : Amok_31
• Track 89 : Mayweather_38
• Track 90 : Orla_40
• Track 91 : SummitAcademy_34
• Track 92 : Yakult_36
• Track 93 : AikoCarson_31
• Track 94 : ElJefes_35
• Track 95 : Jamzy_37, Button_35
• Track 96 : Tarnish_35
• Track 97 : PotPie_35
• Track 98 : Cece_19, Cece_321
• Track 99 : Yunkel11_82, Efra2_83
• Track 100 : DartGoblin_77, Anma_76, Bella96_77, TiniBug_76, SamuelLPlaqson_76, Urkel_76, DrHayes_76
• Track 101 : Llorens_76, CaseJules_78, Boiiii_76, BEEST_76, Asayake_76, Topper_76, Dalmuri_76, Twitch_76, Blizzard_76, Homura_75, ShiaSurprise_77, Joy99_77, Peel_76, Belladonna_76, AlishaPH_75, Jeckyll_76, HedwigODU_76, Atiba_77, Hyperbowlee_75, Durfee_76, Piatt_75, Capricorn_76, Tachez_76, Zabiza_72, CREW_75, Jarvi_76, Rosmarinus_76, Spock_76, Lunahalos_76, Adephagia_75, Padfoot_76, BaghaKamala_75, Inky_76, CallaLilly_76, ActinUp_77, BGlluviae_76
• Track 102 : LastHope_83
• Track 103 : Rapunzel97_79, Apocalypse_79, Slimphazie_78, BarrelRoll_77, TruffulaTree_78, CheetoDust_76, JAWS_75, Veliki_77, Deby_76, Mynx_78, Ramen_77, Pokerus_77, Jayhawk_79
• Track 104 : Shaobing_79, McMater_79, Richo_79, Niklas_80, Peanam_80, Dartin_79
• Track 105 : Validus_82

• Track 106 : Chavito_79
• Track 107 : LeMond_78, Oscar_78, Scarlett_79, KiSi_79
• Track 108 : Anaya_80
• Track 109 : Emerson_79, Prithvi_79, LindNT_75, Padpat_80, TreyKay_79
• Track 110 : TingHuaYa_80
• Track 111 : Nibb_78
• Track 112 : MarkPhew_78
• Track 113 : Murucutumbu_77
• Track 114 : Guanica15_82
• Track 115 : Zavala_79
• Track 116 : Milly_82, Strobilo_83, Marcoliusprime_81, DismalFunk_82, DismalStressor_82, Findley_82
• Track 117 : ZoeJ_81
• Track 118 : Doughnut_82
• Track 119 : TM4_80
• Track 120 : BoostSeason_81, Mufasa_81
• Track 121 : Pixie_78, ShedlockHolmes_81, TBond007_75, Lea83_79, Hurricane_79, Keshu_81
• Track 122 : Pharb_77
• Track 123 : TribleTrouble_78
• Track 124 : MacnCheese_81
• Track 125 : Slarp_81, Cheetobro_81, Qhanda_83, Taquito_80
• Track 126 : Mitti_81, Eponine_83, DanSyl44_84, Fionnbharth_81
• Track 127 : Patt_77, Reptar3000_78
• Track 128 : YasnayaPolyana_80, Lebo14_80
• Track 129 : Juliette_83
• Track 130 : JF1_81, Ruthiejr_82
• Track 131 : Chancellor_81
• Track 132 : SamScheppers_80
• Track 133 : Kraw_81
• Track 134 : MissDaisy_78
• Track 135 : Bobquesha_82
• Track 136 : OmniCritical_81
• Track 137 : Wintermute_81
• Track 138 : Y2_78, Y10_78
• Track 139 : Malthus_82
• Track 140 : Phrank_82, Tierra_81, Bryler_82, Cain_82
• Track 141 : Krueger_83, Tigress9_83
• Track 142 : PhelpsODU_81, Unicorn_81
• Track 143 : Sunflower1121_82, Shadow1_83
• Track 144 : SirPhilip_90
• Track 145 : Marshawn_75
• Track 146 : Ximenita_84, Syra333_82
• Track 147 : TClif_92
• Track 148 : Ekdilam_84
• Track 149 : Yuna_80

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

The start number called the most often in the published annotations is 59, it was called in 156 of the 420 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbysRanger_77, Abdiel_80, Achebe_76, Albee_81, Alberto7_82, Annyong_80, Arturo_78, AvatarAhPeg_81, Avle17_81, Baby16_81, Backyardigan_75, Bactobuster_76, Badger_76, BangNhom_78, Bartimeaus_81, BellusTerra_81, Blackmoor_80, Bombshell_81, Broseidon_81, Bruiser_80, BubbleTrouble_80, Bumblebee11_76, Burger_79, Caelakin_79, Camperdownii_77, CentreCat_81, Cerulean_83, ChampagnePapi_84, Chaph_81, Cici_77, Cindaradix_76, Cintron_81, Citius_81, Clarenza_80, Cocoaberry_81, Commander_79, Connomayer_81, Datway_78, Deano_78, Dhanush_81, DirtyDunning_80, DontArgue_75, Drake94_77, Druantia_79, DustyMartin_82, Eagle_80, Eaglepride_83, Eapen_81, Eris_80, Eros_81, Eurydice_82, Florean_81, Flux_82, Funston_80, Gadost_81, HamSlice_77, Happiness_80, Holli_80, Houdini22_80, Huxley_73, ICleared_80, Iceman_79, Iracema64_81, IronMan_81, Iwokeuplikedis_87, Jaan_82, Jaykayelowell_78, JetBlade_82, JoongJeon_80, KFPoly_80, Kampy_80, Katalie136_77, KekoraPapaka_78, Kingmustik0402_81, KittenMittens_76, Koan_78, Koreni_80, Kratark_80, Kremtemulon_78, Kristoff_78, Kyee_81, LHTSCC_83, Landor_82, LappelDuVide_81, Lemur_81, LittleB_81, LittleGuy_81, LochMonster_82, Lorenzo_81, Lunsford_81, Maverick_80, Maxo_83, Mazhar510_81, Medusa_80, MeeZee_80, Millski_80, Morpher26_77, Morrow_83, Mundrea_79, Nebs_82, Nemo27_80, NorthStar_78, NotAPhaseMom_80, Nyxis_80, OKaNui_80, Obama12_82, Ohfah_82, Palestino_80, PeaceMeal1_77, Peaches_79, Perplexer_77, PeterPeter_81, PetiteSangsue_77, Phacado_81, Phaded_78, Phelipe_81, Phighter1804_81, Phontbonne_81, Pipcraft_77, Polymorphads_82, Poompha_77, Pukovnik_79, Pumbaa_81, Rebeuca_81, Relief_80, RhynO_68, RockieBear_78, Romney_80, Roosevelt_79, Rowdy_82, Ruin_81, Sabertooth_81, Scamp_81, SenorClean_82, Severus_78, Shaka_79, Shapes_82, SheldonCooper_81, Shygu2_79, Sparxx_82, Spino_80, Stasia_78, SteMason_77, Stink_81, Sultana_81, Taquarus_80, Thanksgivukkah_80, TinaFeyge_79, Tinybot_80, TiroTheta9_80, Topanga_69, Tristan_80, TroyPia_82, Twister_80, TygerBlood_81, Ulysses_80, WalterMcMickey_79, Wander_81, Wilbur_81, Wile_76, Wizard007_77, Xena_77, YoSam321_81,

Genes that have the "Most Annotated" start but do not call it:
• AikoCarson_31, Amok_31, Emalyn_30, Melvin_83, Miramae_81, Noelle_78, Rosa24_77, Skipitt_80,

Genes that do not have the "Most Annotated" start:
• ActinUp_77, Adephagia_75, AlishaPH_75, Anaya_80, Anaysia_87, Anma_76, Anon_90, Apocalypse_79, Artemis2UCLA_85, Asayake_76, Atiba_77, BABullseye_77, BEEST_76, BGlluviae_76, BaghaKamala_75, Balloona_33, BarrelRoll_77, Battleship_90, Bavilard_34, Belfort_237, Bella96_77, Belladonna_76, BennyP_86, BigChungus_34, BillNye_199, BlessJoy_86, Blinn1_88, Blizzard_76, Blue7_87, Bobquesha_82, Boiiii_76, Boohoo_86, BoostSeason_81, Bryler_82, Button_35, CREW_75, Cain_82, CallaLilly_76, Candra_82, Capricorn_76, CaseJules_78, Cece_19, Cece_321, Chaewon_201, Chancellor_81, Chartreuse_83, Chavito_79, CheetoDust_76, Cheetobro_81, CherryonLim_37, Chupacabra_77, Circinus_199, CloudWang3_86, CocoaPuff_35, Comrade_233, Cookiedough_84, DaVinci_82, Dalmuri_76, DanSyl44_84, DartGoblin_77, Dartin_79, Deby_76, DekHockey33_89, DeluluLabubu_241, DismalFunk_82, DismalStressor_82, Dorin_235, Dorothea_84, Doughnut_82, DrHayes_76, DroogsArmy_77, Durfee_76,

Efra2_83, Ekdilam_84, ElJefes_35, Elinal_38, Elle_86, Emerson_79, Emma1919_241, Eponine_83, Faust_238, Feastonyeet_34, Findley_82, Fionnbharth_81, FlyCatcher_81, Forrest_239, Francesca_236, Francob_244, GTE2_26, Gail_85, Garak_87, GiKK_37, Gilson_240, Gladiator_82, Goose_81, GreedyLawyer_78, Greely_237, Gruunaga_85, Guanica15_82, HINdeR_77, Hammer_86, HedwigODU_76, Helmet_88, Herbertwm_78, Hexamo_85, Hexbug_40, Homura_75, Hoot_79, Hurricane_79, Hyperbowlee_75, Indra_89, Inky_76, JAWS_75, JF1_81, JSwag_87, Jada_238, Jamzy_37, Jarvi_76, Jayhawk_79, Jeckyll_76, Jeeves_85, Jordennis_82, Joy99_77, Juliette_83, Karp_236, KatherineG_87, KayGee_36, Kazan_85, Kenrey_246, Keshu_81, KiSi_79, Kimona_81, Kipper29_84, Koko_87, Kraw_81, Krueger_83, LastHope_83, LastResort_85, Lauer_32, LeMond_78, Lea83_79, Lebo14_80, Lilbunny_85, LindNT_75, Llorens_76, Luchador_83, Lunahalos_76, MAnor_36, MacnCheese_81, Malthus_82, Marcoliusprime_81, Margaret_39, MarkPhew_78, Marshawn_75, Maupel_243, Mayweather_38, McDazzle_35, McFly_84, McMater_79, MeganTheeKilla_243, Milly_82, MinecraftSteve_88, MissDaisy_78, Mitti_81, Mufasa_81, Muntaha_214, Murucutumbu_77, Mynx_78, Myrna_230, Nebulosus_84, Neeharika16_83, Newrala_83, Nibb_78, Niklas_80, NoShow_78, Nodigi_40, OKCentral2016_79, OmniCritical_81, Orla_40, Oscar_78, Padfoot_76, Padpat_80, Patt_77, Peanam_80, Peel_76, Phabba_240, Pharb_77, PhelpsODU_81, Phrank_82, Phredrick_245, Piatt_75, Pixie_78, Pmask_83, Pokerus_77, Pons_36, PotPie_35, Prithvi_79, Qhanda_83, Ramen_77, RanchParmCat_38, Rapunzel97_79, ReMo_85, Reptar3000_78, Richo_79, Rifter_86, Roksolana_86, Rosmarinus_76, Ruthiejr_82, SamScheppers_80, SamuelLPlaqson_76, Scarlett_79, ScoobyDoobyDoo_227, SeresaTree_242, Shadow1_83, Shaobing_79, ShayRa_85, SheckWes_37, ShedlockHolmes_81, Sheen_78, ShiaSurprise_77, SirPhilip_90, Slarp_81, Slimphazie_78, SmellyB_84, SororFago_83, SparkleGoddess_238, Spock_76, Stigma_236, Strobilo_83, SummitAcademy_34, Sunflower1121_82, Sunhee_85, SuperAwesome_84, Switzerland_85, Syra333_82, TBond007_75, TClif_92, TM4_80, Tachez_76, Taquito_80, Tarnish_35, Temprado_87, Tierra_81, Tigress9_83, Timshel_78, TingHuaYa_80, TiniBug_76, ToneTone_83, Topper_76, Toro_79, TreyKay_79, TribleTrouble_78, TruffulaTree_78, Tucker_86, Twitch_76, Unicorn_81, Urkel_76, Validus_82, Veliki_77, Vine_37, VohminGhazi_84, Waits_87, Wakanda_212, Westy_239, Wiks_85, Wintermute_81, WunderPhul_86, Ximenita_84, Y10_78, Y2_78, Yakult_36, YasnayaPolyana_80, Yokurt_85, Yucky_37, Yuna_80, Yunkel11_82, Zabiza_72, Zaka_86, Zavala_79, ZoeJ_81, Zulu_87,

Summary by start number:

Start 3:
• Found in 7 of 452 (1.5%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Vine_37 (CT),

Start 5:
• Found in 11 of 452 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Lauer_32 (CT),

Start 10:
• Found in 17 of 452 (3.8%) of genes in pham

• No Manual Annotations of this start.
• Called 11.8% of time when present
• Phage (with cluster) where this start called: Bavilard_34 (CT), ElJefes_35 (CT),

Start 12:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Margaret_39 (CT),

Start 15:
• Found in 3 of 452 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 33.3% of time when present
• Phage (with cluster) where this start called: GiKK_37 (CT),

Start 18:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_78 (AB),

Start 19:
• Found in 12 of 452 (2.7%) of genes in pham
• Manual Annotations of this start: 8 of 420
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Balloona_33 (CT), BigChungus_34 (CT), CherryonLim_37 (CT), Feastonyeet_34 (CT), MAnor_36 (CT), Mayweather_38 (CT), McDazzle_35 (CT), Pons_36 (CT), SheckWes_37 (CT), SummitAcademy_34 (CT),

Start 22:
• Found in 21 of 452 (4.6%) of genes in pham
• Manual Annotations of this start: 14 of 420
• Called 76.2% of time when present
• Phage (with cluster) where this start called: AikoCarson_31 (CT), Amok_31 (CT), Button_35 (CT), CocoaPuff_35 (CT), Elinal_38 (CT), Emalyn_30 (CT), GTE2_26 (CT), Hexbug_40 (CT), Jamzy_37 (CT), KayGee_36 (CT), Nodigi_40 (CT), Orla_40 (CT), PotPie_35 (CT), RanchParmCat_38 (CT), Tarnish_35 (CT), Yucky_37 (CT),

Start 35:
• Found in 16 of 452 (3.5%) of genes in pham
• Manual Annotations of this start: 12 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chavito_79 (K1), Dartin_79 (K1), Krueger_83 (K6), McMater_79 (K1), Niklas_80 (K1), Peanam_80 (K1), Richo_79 (K1), Shadow1_83 (K6), Shaobing_79 (K1), SirPhilip_90 (K6), Sunflower1121_82 (K6), Syra333_82 (K6), Tigress9_83 (K6), Validus_82 (K1), Ximenita_84 (K6), Yuna_80 (K6),

Start 36:
• Found in 16 of 452 (3.5%) of genes in pham
• Manual Annotations of this start: 16 of 420
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ekdilam_84 (K6), Hurricane_79 (K3), Keshu_81 (K3), KiSi_79 (K1), LeMond_78 (K1), Lea83_79 (K3), MacnCheese_81 (K3), MarkPhew_78 (K1), Marshawn_75 (K6), Nibb_78 (K1), Oscar_78 (K1), Pixie_78 (K3), Scarlett_79 (K1), ShedlockHolmes_81 (K3), TBond007_75 (K3), TribleTrouble_78 (K3),

Start 52:
• Found in 152 of 452 (33.6%) of genes in pham
• Manual Annotations of this start: 3 of 420
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Melvin_83 (A4), Miramae_81 (A4), Skipitt_80 (A4),

Start 54:
• Found in 3 of 452 (0.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: FlyCatcher_81 (A7),

Start 57:
• Found in 10 of 452 (2.2%) of genes in pham
• Manual Annotations of this start: 8 of 420
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Chupacabra_77 (A10), DroogsArmy_77 (A7), Goose_81 (A10), HINdeR_77 (A7), Herbertwm_78 (A2), OKCentral2016_79 (A10), Sheen_78 (A7), Timshel_78 (A7), Toro_79 (A7),

Start 59:
• Found in 171 of 452 (37.8%) of genes in pham
• Manual Annotations of this start: 156 of 420
• Called 95.3% of time when present
• Phage (with cluster) where this start called: AbbysRanger_77 (A4), Abdiel_80 (A4), Achebe_76 (A4), Albee_81 (A4), Alberto7_82 (A4), Annyong_80 (A4), Arturo_78 (A4), AvatarAhPeg_81 (A4), Avle17_81 (A4), Baby16_81 (A4), Backyardigan_75 (A4), Bactobuster_76 (A2), Badger_76 (A4), BangNhom_78 (A4), Bartimeaus_81 (A4), BellusTerra_81 (A4), Blackmoor_80 (A4), Bombshell_81 (A4), Broseidon_81 (A4), Bruiser_80 (A4), BubbleTrouble_80 (A4), Bumblebee11_76 (A4), Burger_79 (A4), Caelakin_79 (A4), Camperdownii_77 (A4), CentreCat_81 (A4), Cerulean_83 (A4), ChampagnePapi_84 (A4), Chaph_81 (A4), Cici_77 (A4), Cindaradix_76 (A4), Cintron_81 (A4), Citius_81 (A4), Clarenza_80 (A4), Cocoaberry_81 (A4), Commander_79 (A4), Connomayer_81 (A4), Datway_78 (A4), Deano_78 (A4), Dhanush_81 (A4), DirtyDunning_80 (A4), DontArgue_75 (A10), Drake94_77 (A10), Druantia_79 (A4), DustyMartin_82 (A10), Eagle_80 (A4), Eaglepride_83 (A10), Eapen_81 (A4), Eris_80 (A4), Eros_81 (A4), Eurydice_82 (A4), Florean_81 (A4), Flux_82 (A4), Funston_80 (A4), Gadost_81 (A4), HamSlice_77 (A4), Happiness_80 (A4), Holli_80 (A4), Houdini22_80 (A4), Huxley_73 (A4), ICleared_80 (A4), Iceman_79 (A4), Iracema64_81 (A4), IronMan_81 (A2), Iwokeuplikedis_87 (A2), Jaan_82 (A2), Jaykayelowell_78 (A4), JetBlade_82 (A4), JoongJeon_80 (A4), KFPoly_80 (A4), Kampy_80 (A4), Katalie136_77 (A4), KekoraPapaka_78 (A4), Kingmustik0402_81 (A4), KittenMittens_76 (A10), Koan_78 (A4), Koreni_80 (A4), Kratark_80 (A4), Kremtemulon_78 (A4), Kristoff_78 (A10), Kyee_81 (A4), LHTSCC_83 (A4), Landor_82 (A2), LappelDuVide_81 (A4), Lemur_81 (A4), LittleB_81 (A4), LittleGuy_81 (A4), LochMonster_82 (A4), Lorenzo_81 (A4),

Lunsford_81 (A4), Maverick_80 (A4), Maxo_83 (A4), Mazhar510_81 (A4), Medusa_80 (A4), MeeZee_80 (A4), Millski_80 (A4), Morpher26_77 (A4), Morrow_83 (A4), Mundrea_79 (A4), Nebs_82 (A4), Nemo27_80 (A4), NorthStar_78 (A4), NotAPhaseMom_80 (A4), Nyxis_80 (A4), OKaNui_80 (A4), Obama12_82 (A4), Ohfah_82 (A4), Palestino_80 (A4), PeaceMeal1_77 (A10), Peaches_79 (A4), Perplexer_77 (A4), PeterPeter_81 (A4), PetiteSangsue_77 (A4), Phacado_81 (A4), Phaded_78 (A2), Phelipe_81 (A4), Phighter1804_81 (A4), Phontbonne_81 (A4), Pipcraft_77 (A4), Polymorphads_82 (A4), Poompha_77 (A10), Pukovnik_79 (A2), Pumbaa_81 (A4), Rebeuca_81 (A10), Relief_80 (A4), RhynO_68 (A10), RockieBear_78 (A4), Romney_80 (A4), Roosevelt_79 (A4), Rowdy_82 (A10), Ruin_81 (A4), Sabertooth_81 (A4), Scamp_81 (A4), SenorClean_82 (A4), Severus_78 (A10), Shaka_79 (A4), Shapes_82 (A10), SheldonCooper_81 (A4), Shygu2_79 (A4), Sparxx_82 (A4), Spino_80 (A4), Stasia_78 (A4), SteMason_77 (A4), Stink_81 (A4), Sultana_81 (A4), Taquarus_80 (A4), Thanksgivukkah_80 (A4), TinaFeyge_79 (A4), Tinybot_80 (A4), TiroTheta9_80 (A4), Topanga_69 (A10), Tristan_80 (A2), TroyPia_82 (A4), Twister_80 (A10), TygerBlood_81 (A4), Ulysses_80 (A4), WalterMcMickey_79 (A10), Wander_81 (A4), Wilbur_81 (A4), Wile_76 (A4), Wizard007_77 (A4), Xena_77 (A4), YoSam321_81 (A4),

Start 60:
• Found in 15 of 452 (3.3%) of genes in pham
• Manual Annotations of this start: 14 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_87 (A15), Anon_90 (A15), Battleship_90 (A15), Boohoo_86 (A15), DekHockey33_89 (A15), Elle_86 (A15), JSwag_87 (A15), KatherineG_87 (A15), LastResort_85 (A15), MinecraftSteve_88 (A15), Nebulosus_84 (A15), ReMo_85 (A15), ShayRa_85 (A15), Switzerland_85 (A15), Waits_87 (A15),

Start 62:
• Found in 70 of 452 (15.5%) of genes in pham
• Manual Annotations of this start: 41 of 420
• Called 61.4% of time when present
• Phage (with cluster) where this start called: Artemis2UCLA_85 (A6), BABullseye_77 (A6), BennyP_86 (A6), BlessJoy_86 (A6), Blinn1_88 (A6), Blue7_87 (A6), Candra_82 (A6), Chartreuse_83 (A6), Cookiedough_84 (A6), DaVinci_82 (A6), Dorothea_84 (A6), Garak_87 (A6), Gladiator_82 (A6), GreedyLawyer_78 (A6), Gruunaga_85 (A6), Helmet_88 (A6), Hexamo_85 (A6), Hoot_79 (A6), Indra_89 (A6), JF1_81 (K4), Jordennis_82 (A6), Kazan_85 (A6), Kipper29_84 (A6), Koko_87 (A6), Lilbunny_85 (A6), McFly_84 (A6), Neeharika16_83 (A6), Newrala_83 (A6), Pmask_83 (A6), Rifter_86 (A6), Roksolana_86 (A6), Ruthiejr_82 (K4), SmellyB_84 (A6), SuperAwesome_84 (A6), Temprado_87 (A6), ToneTone_83 (A6), Tucker_86 (A6), VohminGhazi_84 (A6), Wiks_85 (A6), WunderPhul_86 (A6), Yokurt_85 (A6), Zaka_86 (A6), Zulu_87 (A6),

Start 63:
• Found in 154 of 452 (34.1%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 1.3% of time when present
• Phage (with cluster) where this start called: Noelle_78 (A4), Rosa24_77 (A4),

Start 64:
• Found in 67 of 452 (14.8%) of genes in pham

• Manual Annotations of this start: 65 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_77 (K1), Adephagia_75 (K1), AlishaPH_75 (K1), Anma_76 (K1), Apocalypse_79 (K1), Asayake_76 (K1), Atiba_77 (K1), BEEST_76 (K1), BGlluviae_76 (K1), BaghaKamala_75 (K1), BarrelRoll_77 (K1), Bella96_77 (K1), Belladonna_76 (K1), Blizzard_76 (K1), Boiiii_76 (K1), CREW_75 (K1), CallaLilly_76 (K1), Capricorn_76 (K1), CaseJules_78 (K1), CheetoDust_76 (K1), Dalmuri_76 (K1), DartGoblin_77 (K1), Deby_76 (K1), DrHayes_76 (K1), Durfee_76 (K1), Efra2_83 (K1), Emerson_79 (K1), Guanica15_82 (K1), HedwigODU_76 (K1), Homura_75 (K1), Hyperbowlee_75 (K1), Inky_76 (K1), JAWS_75 (K1), Jarvi_76 (K1), Jayhawk_79 (K1), Jeckyll_76 (K1), Joy99_77 (K1), LastHope_83 (K1), LindNT_75 (K1), Llorens_76 (K1), Lunahalos_76 (K1), Mynx_78 (K1), Padfoot_76 (K1), Padpat_80 (K1), Peel_76 (K1), Piatt_75 (K1), Pokerus_77 (K1), Prithvi_79 (K1), Ramen_77 (K1), Rapunzel97_79 (K1), Rosmarinus_76 (K1), SamuelLPlaqson_76 (K1), ShiaSurprise_77 (K1), Slimphazie_78 (K1), Spock_76 (K1), Tachez_76 (K1), TingHuaYa_80 (K1), TiniBug_76 (K1), Topper_76 (K1), TreyKay_79 (K1), TruffulaTree_78 (K1), Twitch_76 (K1), Urkel_76 (K1), Veliki_77 (K1), Yunkel11_82 (K1), Zabiza_72 (K1), Zavala_79 (K1),

Start 66:
• Found in 8 of 452 (1.8%) of genes in pham
• Manual Annotations of this start: 2 of 420
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Anaya_80 (K1), Murucutumbu_77 (K1),

Start 67:
• Found in 189 of 452 (41.8%) of genes in pham
• Manual Annotations of this start: 23 of 420
• Called 13.2% of time when present
• Phage (with cluster) where this start called: Bryler_82 (K6), Cain_82 (K6), Chancellor_81 (K4), Cheetobro_81 (K4), DanSyl44_84 (K4), Eponine_83 (K4), Fionnbharth_81 (K4), Gail_85 (A14), Jeeves_85 (A14), Luchador_83 (A14), Malthus_82 (K4), Mitti_81 (K4), Patt_77 (K4), PhelpsODU_81 (K6), Phrank_82 (K6), Qhanda_83 (K4), Reptar3000_78 (K4), Slarp_81 (K4), SororFago_83 (A14), Sunhee_85 (A14), Taquito_80 (K4), Tierra_81 (K6), Unicorn_81 (K6), Wintermute_81 (K4), Yakult_36 (CT),

Start 68:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 420
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kimona_81 (A19),

Start 70:
• Found in 32 of 452 (7.1%) of genes in pham
• Manual Annotations of this start: 12 of 420
• Called 43.8% of time when present
• Phage (with cluster) where this start called: Bobquesha_82 (K4), Greely_237 (C2), Juliette_83 (K4), Lebo14_80 (K4), MissDaisy_78 (K4), Myrna_230 (C2), OmniCritical_81 (K4), Phabba_240 (C2), Pharb_77 (K3), SamScheppers_80 (K4), ScoobyDoobyDoo_227 (C2), Y10_78 (K4), Y2_78 (K4), YasnayaPolyana_80 (K4),

Start 71:

• Found in 15 of 452 (3.3%) of genes in pham
• Manual Annotations of this start: 12 of 420
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_81 (K2), DismalFunk_82 (K2), DismalStressor_82 (K2), Doughnut_82 (K2), Findley_82 (K2), Marcoliusprime_81 (K2), Milly_82 (K2), Mufasa_81 (K2), Strobilo_83 (K2), TClif_92 (K6), TM4_80 (K2), ZoeJ_81 (K2),

Start 74:
• Found in 271 of 452 (60.0%) of genes in pham
• Manual Annotations of this start: 5 of 420
• Called 1.8% of time when present
• Phage (with cluster) where this start called: CloudWang3_86 (A6), Dorin_235 (CG), Francesca_236 (CG), Hammer_86 (A6), Kraw_81 (K4),

Start 75:
• Found in 18 of 452 (4.0%) of genes in pham
• Manual Annotations of this start: 2 of 420
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Cece_19 (GD3), Cece_321 (GD3),

Start 76:
• Found in 187 of 452 (41.4%) of genes in pham
• Manual Annotations of this start: 20 of 420
• Called 11.8% of time when present
• Phage (with cluster) where this start called: Belfort_237 (BK1), BillNye_199 (BK2), Circinus_199 (BK2), Comrade_233 (BK1), DeluluLabubu_241 (BK1), Emma1919_241 (BK1), Faust_238 (BK1), Forrest_239 (BK1), Francob_244 (BK1), Gilson_240 (BK1), Jada_238 (BK1), Karp_236 (BK1), Kenrey_246 (BK1), Maupel_243 (BK1), MeganTheeKilla_243 (BK1), Muntaha_214 (BK2), Phredrick_245 (BK1), SeresaTree_242 (BK1), SparkleGoddess_238 (BK1), Stigma_236 (BK1), Wakanda_212 (BK2), Westy_239 (BK1),

Start 80:
• Found in 3 of 452 (0.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Chaewon_201 (BK2),

Summary by clusters:

There are 20 clusters represented in this pham: A15, A7, GD3, A10, A14, CG, K4, A19, K3, K2, K1, A2, BK2, K6, BK1, A6, C2, CT, AB, A4,

Info for manual annotations of cluster A10:
•Start number 57 was manually annotated 3 times for cluster A10.
•Start number 59 was manually annotated 12 times for cluster A10.

Info for manual annotations of cluster A14:
•Start number 67 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 60 was manually annotated 14 times for cluster A15.

Info for manual annotations of cluster A19:
•Start number 68 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 57 was manually annotated 1 time for cluster A2.
•Start number 59 was manually annotated 8 times for cluster A2.

Info for manual annotations of cluster A4:
•Start number 52 was manually annotated 3 times for cluster A4.
•Start number 59 was manually annotated 136 times for cluster A4.
•Start number 63 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A6:
•Start number 62 was manually annotated 39 times for cluster A6.
•Start number 74 was manually annotated 2 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 57 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster AB:
•Start number 18 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster BK1:
•Start number 76 was manually annotated 16 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 76 was manually annotated 4 times for cluster BK2.

Info for manual annotations of cluster C2:
•Start number 70 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster CG:
•Start number 74 was manually annotated 2 times for cluster CG.

Info for manual annotations of cluster CT:
•Start number 3 was manually annotated 1 time for cluster CT.
•Start number 5 was manually annotated 1 time for cluster CT.
•Start number 12 was manually annotated 1 time for cluster CT.
•Start number 15 was manually annotated 1 time for cluster CT.
•Start number 19 was manually annotated 8 times for cluster CT.
•Start number 22 was manually annotated 14 times for cluster CT.
•Start number 67 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster GD3:
•Start number 75 was manually annotated 2 times for cluster GD3.

Info for manual annotations of cluster K1:
•Start number 35 was manually annotated 4 times for cluster K1.
•Start number 36 was manually annotated 6 times for cluster K1.
•Start number 64 was manually annotated 65 times for cluster K1.
•Start number 66 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 71 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 36 was manually annotated 8 times for cluster K3.
•Start number 70 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K4:
•Start number 62 was manually annotated 2 times for cluster K4.
•Start number 67 was manually annotated 11 times for cluster K4.
•Start number 70 was manually annotated 8 times for cluster K4.
•Start number 74 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K6:
•Start number 35 was manually annotated 8 times for cluster K6.
•Start number 36 was manually annotated 2 times for cluster K6.
•Start number 67 was manually annotated 6 times for cluster K6.
•Start number 71 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: AbbysRanger_77 Start: 47535, Stop: 47068, Start Num: 59
Candidate Starts for AbbysRanger_77:
(Start: 52 @47553 has 3 MA's), (Start: 59 @47535 has 156 MA's), (Start: 63 @47526 has 1 MA's), (Start: 67 @47523 has 23 MA's), (Start: 76 @47505 has 20 MA's), (90, 47466), (108, 47331), (116, 47268), (121, 47214),

Gene: Abdiel_80 Start: 47911, Stop: 47441, Start Num: 59
Candidate Starts for Abdiel_80:
(Start: 52 @47929 has 3 MA's), (Start: 59 @47911 has 156 MA's), (Start: 63 @47902 has 1 MA's), (Start: 67 @47899 has 23 MA's), (Start: 76 @47881 has 20 MA's), (90, 47842), (103, 47734), (108, 47707), (116, 47644), (121, 47590),

Gene: Achebe_76 Start: 47514, Stop: 47047, Start Num: 59
Candidate Starts for Achebe_76:
(Start: 52 @47532 has 3 MA's), (Start: 59 @47514 has 156 MA's), (Start: 63 @47505 has 1 MA's), (Start: 67 @47502 has 23 MA's), (Start: 76 @47484 has 20 MA's), (90, 47445), (108, 47310), (116, 47247), (121, 47193),

Gene: ActinUp_77 Start: 50506, Stop: 50967, Start Num: 64
Candidate Starts for ActinUp_77:
(Start: 64 @50506 has 65 MA's), (Start: 74 @50533 has 5 MA's), (78, 50542), (96, 50602), (101, 50665), (108, 50707), (109, 50710), (116, 50770), (124, 50848), (134, 50944), (135, 50947),

Gene: Adephagia_75 Start: 50343, Stop: 50804, Start Num: 64
Candidate Starts for Adephagia_75:
(Start: 64 @50343 has 65 MA's), (Start: 74 @50370 has 5 MA's), (78, 50379), (96, 50439), (101, 50502), (108, 50544), (109, 50547), (116, 50607), (124, 50685), (134, 50781), (135, 50784),

Gene: AikoCarson_31 Start: 24720, Stop: 24127, Start Num: 22
Candidate Starts for AikoCarson_31:

(Start: 22 @24720 has 14 MA's), (Start: 59 @24606 has 156 MA's), (Start: 74 @24567 has 5 MA's), (92, 24519), (98, 24465), (116, 24333),

Gene: Albee_81 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Albee_81:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (103, 47722), (108, 47695), (116, 47632), (121, 47578),

Gene: Alberto7_82 Start: 48236, Stop: 47766, Start Num: 59
Candidate Starts for Alberto7_82:
(Start: 52 @48254 has 3 MA's), (Start: 59 @48236 has 156 MA's), (Start: 63 @48227 has 1 MA's), (Start: 67 @48224 has 23 MA's), (Start: 76 @48206 has 20 MA's), (90, 48167), (108, 48032), (116, 47969), (121, 47915),

Gene: AlishaPH_75 Start: 50604, Stop: 51065, Start Num: 64
Candidate Starts for AlishaPH_75:
(Start: 64 @50604 has 65 MA's), (Start: 74 @50631 has 5 MA's), (78, 50640), (96, 50700), (101, 50763), (108, 50805), (109, 50808), (116, 50868), (124, 50946), (134, 51042), (135, 51045),

Gene: Amok_31 Start: 24679, Stop: 24086, Start Num: 22
Candidate Starts for Amok_31:
(Start: 22 @24679 has 14 MA's), (Start: 59 @24565 has 156 MA's), (Start: 74 @24526 has 5 MA's), (92, 24478), (98, 24424), (116, 24292),

Gene: Anaya_80 Start: 51402, Stop: 51863, Start Num: 66
Candidate Starts for Anaya_80:
(Start: 66 @51402 has 2 MA's), (Start: 74 @51429 has 5 MA's), (78, 51438), (96, 51498), (101, 51561), (108, 51603), (109, 51606), (116, 51666), (124, 51744), (134, 51840), (135, 51843),

Gene: Anaysia_87 Start: 47291, Stop: 46824, Start Num: 60
Candidate Starts for Anaysia_87:
(Start: 60 @47291 has 14 MA's), (Start: 74 @47279 has 5 MA's), (90, 47240), (93, 47225),

Gene: Anma_76 Start: 50854, Stop: 51315, Start Num: 64
Candidate Starts for Anma_76:
(Start: 64 @50854 has 65 MA's), (Start: 74 @50881 has 5 MA's), (78, 50890), (87, 50917), (96, 50950), (101, 51013), (109, 51058), (124, 51196), (134, 51292), (135, 51295),

Gene: Annyong_80 Start: 47944, Stop: 47474, Start Num: 59
Candidate Starts for Annyong_80:
(Start: 52 @47962 has 3 MA's), (Start: 59 @47944 has 156 MA's), (Start: 63 @47935 has 1 MA's), (Start: 67 @47932 has 23 MA's), (Start: 76 @47914 has 20 MA's), (90, 47875), (103, 47767), (108, 47740), (116, 47677), (121, 47623),

Gene: Anon_90 Start: 48046, Stop: 47579, Start Num: 60
Candidate Starts for Anon_90:
(Start: 60 @48046 has 14 MA's), (Start: 74 @48034 has 5 MA's), (90, 47995), (116, 47794), (121, 47740),

Gene: Apocalypse_79 Start: 51145, Stop: 51606, Start Num: 64
Candidate Starts for Apocalypse_79:

(Start: 64 @51145 has 65 MA's), (Start: 74 @51172 has 5 MA's), (78, 51181), (96, 51241), (101, 51304), (108, 51346), (109, 51349), (124, 51487), (134, 51583), (135, 51586),

Gene: Artemis2UCLA_85 Start: 46023, Stop: 45562, Start Num: 62
Candidate Starts for Artemis2UCLA_85:
(Start: 62 @46023 has 41 MA's), (Start: 74 @45996 has 5 MA's), (94, 45936), (103, 45843), (120, 45729),

Gene: Arturo_78 Start: 48027, Stop: 47557, Start Num: 59
Candidate Starts for Arturo_78:
(Start: 52 @48045 has 3 MA's), (Start: 59 @48027 has 156 MA's), (Start: 63 @48018 has 1 MA's), (Start: 67 @48015 has 23 MA's), (Start: 75 @48000 has 2 MA's), (Start: 76 @47997 has 20 MA's), (90, 47958), (108, 47823), (121, 47706),

Gene: Asayake_76 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Asayake_76:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Atiba_77 Start: 50306, Stop: 50767, Start Num: 64
Candidate Starts for Atiba_77:
(Start: 64 @50306 has 65 MA's), (Start: 74 @50333 has 5 MA's), (78, 50342), (96, 50402), (101, 50465), (108, 50507), (109, 50510), (116, 50570), (124, 50648), (134, 50744), (135, 50747),

Gene: AvatarAhPeg_81 Start: 48152, Stop: 47682, Start Num: 59
Candidate Starts for AvatarAhPeg_81:
(Start: 52 @48170 has 3 MA's), (Start: 59 @48152 has 156 MA's), (Start: 74 @48125 has 5 MA's), (Start: 76 @48119 has 20 MA's), (93, 48065), (96, 48050), (108, 47945), (121, 47828),

Gene: Avle17_81 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for Avle17_81:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: BABullseye_77 Start: 44344, Stop: 43892, Start Num: 62
Candidate Starts for BABullseye_77:
(Start: 62 @44344 has 41 MA's), (Start: 74 @44317 has 5 MA's), (96, 44251), (103, 44173), (124, 44005),

Gene: BEEST_76 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for BEEST_76:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: BGlluviae_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for BGlluviae_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Baby16_81 Start: 47910, Stop: 47440, Start Num: 59
Candidate Starts for Baby16_81:

(Start: 52 @47928 has 3 MA's), (Start: 59 @47910 has 156 MA's), (Start: 63 @47901 has 1 MA's), (Start: 67 @47898 has 23 MA's), (Start: 76 @47880 has 20 MA's), (90, 47841), (103, 47733), (108, 47706), (116, 47643), (121, 47589),

Gene: Backyardigan_75 Start: 47551, Stop: 47084, Start Num: 59
Candidate Starts for Backyardigan_75:
(Start: 52 @47569 has 3 MA's), (Start: 59 @47551 has 156 MA's), (Start: 63 @47542 has 1 MA's), (Start: 67 @47539 has 23 MA's), (Start: 76 @47521 has 20 MA's), (90, 47482), (108, 47347), (116, 47284), (121, 47230),

Gene: Bactobuster_76 Start: 47201, Stop: 46731, Start Num: 59
Candidate Starts for Bactobuster_76:
(Start: 59 @47201 has 156 MA's), (Start: 63 @47192 has 1 MA's), (Start: 67 @47189 has 23 MA's), (Start: 74 @47177 has 5 MA's), (Start: 76 @47171 has 20 MA's), (116, 46937),

Gene: Badger_76 Start: 47517, Stop: 47050, Start Num: 59
Candidate Starts for Badger_76:
(Start: 52 @47535 has 3 MA's), (Start: 59 @47517 has 156 MA's), (Start: 63 @47508 has 1 MA's), (Start: 67 @47505 has 23 MA's), (Start: 76 @47487 has 20 MA's), (90, 47448), (108, 47313), (116, 47250), (121, 47196),

Gene: BaghaKamala_75 Start: 49892, Stop: 50353, Start Num: 64
Candidate Starts for BaghaKamala_75:
(Start: 64 @49892 has 65 MA's), (Start: 74 @49919 has 5 MA's), (78, 49928), (96, 49988), (101, 50051), (108, 50093), (109, 50096), (116, 50156), (124, 50234), (134, 50330), (135, 50333),

Gene: Balloona_33 Start: 26625, Stop: 25909, Start Num: 19
Candidate Starts for Balloona_33:
(Start: 5 @26709 has 1 MA's), (10, 26679), (11, 26673), (Start: 19 @26625 has 8 MA's), (24, 26619), (82, 26361), (85, 26346), (91, 26325), (99, 26244), (105, 26208), (113, 26154), (118, 26115), (120, 26103), (121, 26073), (131, 25962),

Gene: BangNhom_78 Start: 48336, Stop: 47866, Start Num: 59
Candidate Starts for BangNhom_78:
(Start: 52 @48354 has 3 MA's), (Start: 59 @48336 has 156 MA's), (Start: 63 @48327 has 1 MA's), (Start: 67 @48324 has 23 MA's), (Start: 76 @48306 has 20 MA's), (90, 48267), (108, 48132), (121, 48015),

Gene: BarrelRoll_77 Start: 50863, Stop: 51324, Start Num: 64
Candidate Starts for BarrelRoll_77:
(Start: 64 @50863 has 65 MA's), (Start: 74 @50890 has 5 MA's), (78, 50899), (96, 50959), (101, 51022), (108, 51064), (109, 51067), (124, 51205), (134, 51301), (135, 51304),

Gene: Bartimeaus_81 Start: 47901, Stop: 47431, Start Num: 59
Candidate Starts for Bartimeaus_81:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (Start: 63 @47892 has 1 MA's), (Start: 67 @47889 has 23 MA's), (Start: 76 @47871 has 20 MA's), (90, 47832), (103, 47724), (108, 47697), (116, 47634), (121, 47580),

Gene: Battleship_90 Start: 47304, Stop: 46837, Start Num: 60
Candidate Starts for Battleship_90:
(Start: 60 @47304 has 14 MA's), (Start: 74 @47292 has 5 MA's), (90, 47253), (93, 47238),

Gene: Bavilard_34 Start: 26888, Stop: 26121, Start Num: 10
Candidate Starts for Bavilard_34:
(Start: 3 @26936 has 1 MA's), (10, 26888), (11, 26882), (Start: 22 @26834 has 14 MA's), (82, 26573), (87, 26549), (91, 26537), (99, 26456), (105, 26420), (113, 26366), (118, 26327), (120, 26315), (121, 26285), (131, 26174),

Gene: Belfort_237 Start: 115212, Stop: 115670, Start Num: 76
Candidate Starts for Belfort_237:
(Start: 75 @115209 has 2 MA's), (Start: 76 @115212 has 20 MA's), (88, 115251), (101, 115350), (104, 115368), (110, 115401), (114, 115428), (124, 115536), (136, 115656), (137, 115659),

Gene: Bella96_77 Start: 50721, Stop: 51182, Start Num: 64
Candidate Starts for Bella96_77:
(Start: 64 @50721 has 65 MA's), (Start: 74 @50748 has 5 MA's), (78, 50757), (87, 50784), (96, 50817), (101, 50880), (109, 50925), (124, 51063), (134, 51159), (135, 51162),

Gene: Belladonna_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Belladonna_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: BellusTerra_81 Start: 47764, Stop: 47297, Start Num: 59
Candidate Starts for BellusTerra_81:
(Start: 52 @47782 has 3 MA's), (Start: 59 @47764 has 156 MA's), (Start: 63 @47755 has 1 MA's), (Start: 67 @47752 has 23 MA's), (Start: 76 @47734 has 20 MA's), (90, 47695), (108, 47560), (116, 47497), (121, 47443),

Gene: BennyP_86 Start: 46188, Stop: 45727, Start Num: 62
Candidate Starts for BennyP_86:
(Start: 62 @46188 has 41 MA's), (Start: 74 @46161 has 5 MA's), (94, 46101), (103, 46008), (120, 45894),

Gene: BigChungus_34 Start: 27021, Stop: 26305, Start Num: 19
Candidate Starts for BigChungus_34:
(Start: 5 @27105 has 1 MA's), (10, 27075), (11, 27069), (Start: 19 @27021 has 8 MA's), (24, 27015), (82, 26757), (85, 26742), (91, 26721), (99, 26640), (105, 26604), (113, 26550), (118, 26511), (120, 26499), (121, 26469), (131, 26358),

Gene: BillNye_199 Start: 106142, Stop: 106591, Start Num: 76
Candidate Starts for BillNye_199:
(53, 106085), (65, 106112), (Start: 76 @106142 has 20 MA's), (80, 106151), (84, 106166), (88, 106181), (131, 106526),

Gene: Blackmoor_80 Start: 47901, Stop: 47431, Start Num: 59
Candidate Starts for Blackmoor_80:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (Start: 63 @47892 has 1 MA's), (Start: 67 @47889 has 23 MA's), (Start: 76 @47871 has 20 MA's), (90, 47832), (103, 47724), (108, 47697), (116, 47634), (121, 47580),

Gene: BlessJoy_86 Start: 46544, Stop: 46083, Start Num: 62
Candidate Starts for BlessJoy_86:
(Start: 62 @46544 has 41 MA's), (Start: 74 @46517 has 5 MA's), (94, 46457), (103, 46364), (120, 46250),

Gene: Blinn1_88 Start: 47002, Stop: 46550, Start Num: 62
Candidate Starts for Blinn1_88:
(4, 47302), (6, 47290), (28, 47182), (Start: 62 @47002 has 41 MA's), (Start: 74 @46975 has 5 MA's), (96, 46909), (98, 46876), (103, 46831), (120, 46717),

Gene: Blizzard_76 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Blizzard_76:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Blue7_87 Start: 46242, Stop: 45781, Start Num: 62
Candidate Starts for Blue7_87:
(Start: 62 @46242 has 41 MA's), (Start: 74 @46215 has 5 MA's), (94, 46155), (103, 46062), (120, 45948),

Gene: Bobquesha_82 Start: 49631, Stop: 50194, Start Num: 70
Candidate Starts for Bobquesha_82:
(26, 49424), (29, 49439), (33, 49475), (37, 49496), (39, 49523), (45, 49553), (Start: 67 @49622 has 23 MA's), (Start: 70 @49631 has 12 MA's), (Start: 74 @49646 has 5 MA's), (93, 49700), (96, 49715), (103, 49793), (108, 49820), (116, 49883), (124, 49961), (152, 50162),

Gene: Boiiii_76 Start: 50660, Stop: 51121, Start Num: 64
Candidate Starts for Boiiii_76:
(Start: 64 @50660 has 65 MA's), (Start: 74 @50687 has 5 MA's), (78, 50696), (96, 50756), (101, 50819), (108, 50861), (109, 50864), (116, 50924), (124, 51002), (134, 51098), (135, 51101),

Gene: Bombshell_81 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Bombshell_81:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Boohoo_86 Start: 46608, Stop: 46141, Start Num: 60
Candidate Starts for Boohoo_86:
(Start: 60 @46608 has 14 MA's), (Start: 74 @46596 has 5 MA's), (90, 46557), (93, 46542),

Gene: BoostSeason_81 Start: 52795, Stop: 53367, Start Num: 71
Candidate Starts for BoostSeason_81:
(Start: 71 @52795 has 12 MA's), (Start: 74 @52807 has 5 MA's), (103, 52954), (108, 52981), (109, 52984), (116, 53044), (149, 53308), (151, 53323),

Gene: Broseidon_81 Start: 47902, Stop: 47432, Start Num: 59
Candidate Starts for Broseidon_81:
(Start: 52 @47920 has 3 MA's), (Start: 59 @47902 has 156 MA's), (Start: 63 @47893 has 1 MA's), (Start: 67 @47890 has 23 MA's), (Start: 76 @47872 has 20 MA's), (90, 47833), (103, 47725), (108, 47698), (116, 47635), (121, 47581),

Gene: Bruiser_80 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Bruiser_80:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Bryler_82 Start: 50964, Stop: 51536, Start Num: 67
Candidate Starts for Bryler_82:
(Start: 67 @50964 has 23 MA's), (Start: 74 @50985 has 5 MA's), (96, 51054), (98, 51087), (100, 51108), (103, 51132), (109, 51162), (116, 51222), (124, 51300), (129, 51354), (132, 51378), (140, 51429), (153, 51516),

Gene: BubbleTrouble_80 Start: 47926, Stop: 47456, Start Num: 59
Candidate Starts for BubbleTrouble_80:
(Start: 52 @47944 has 3 MA's), (Start: 59 @47926 has 156 MA's), (Start: 63 @47917 has 1 MA's), (Start: 67 @47914 has 23 MA's), (Start: 76 @47896 has 20 MA's), (90, 47857), (103, 47749), (108, 47722), (116, 47659), (121, 47605),

Gene: Bumblebee11_76 Start: 47517, Stop: 47050, Start Num: 59
Candidate Starts for Bumblebee11_76:
(Start: 52 @47535 has 3 MA's), (Start: 59 @47517 has 156 MA's), (Start: 63 @47508 has 1 MA's), (Start: 67 @47505 has 23 MA's), (Start: 76 @47487 has 20 MA's), (90, 47448), (108, 47313), (116, 47250), (121, 47196),

Gene: Burger_79 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Burger_79:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Button_35 Start: 26057, Stop: 25458, Start Num: 22
Candidate Starts for Button_35:
(9, 26108), (14, 26087), (Start: 15 @26084 has 1 MA's), (Start: 22 @26057 has 14 MA's), (Start: 74 @25916 has 5 MA's), (103, 25769), (105, 25763), (109, 25739), (118, 25670),

Gene: CREW_75 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for CREW_75:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Caelakin_79 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Caelakin_79:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Cain_82 Start: 50952, Stop: 51524, Start Num: 67
Candidate Starts for Cain_82:
(Start: 67 @50952 has 23 MA's), (Start: 74 @50973 has 5 MA's), (96, 51042), (98, 51075), (100, 51096), (103, 51120), (109, 51150), (116, 51210), (124, 51288), (129, 51342), (132, 51366), (140, 51417), (153, 51504),

Gene: CallaLilly_76 Start: 50384, Stop: 50845, Start Num: 64
Candidate Starts for CallaLilly_76:
(Start: 64 @50384 has 65 MA's), (Start: 74 @50411 has 5 MA's), (78, 50420), (96, 50480), (101, 50543), (108, 50585), (109, 50588), (116, 50648), (124, 50726), (134, 50822), (135, 50825),

Gene: Camperdownii_77 Start: 47142, Stop: 46675, Start Num: 59

Candidate Starts for Camperdownii_77:
(Start: 52 @47160 has 3 MA's), (Start: 59 @47142 has 156 MA's), (Start: 63 @47133 has 1 MA's), (Start: 67 @47130 has 23 MA's), (Start: 76 @47112 has 20 MA's), (90, 47073), (108, 46938), (121, 46821),

Gene: Candra_82 Start: 46048, Stop: 45587, Start Num: 62
Candidate Starts for Candra_82:
(Start: 62 @46048 has 41 MA's), (Start: 74 @46021 has 5 MA's), (94, 45961), (103, 45868), (124, 45700),

Gene: Capricorn_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Capricorn_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: CaseJules_78 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for CaseJules_78:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Cece_19 Start: 6614, Stop: 7075, Start Num: 75
Candidate Starts for Cece_19:
(48, 6542), (Start: 74 @6611 has 5 MA's), (Start: 75 @6614 has 2 MA's), (83, 6638), (101, 6755), (103, 6770), (107, 6794), (111, 6809), (119, 6875), (120, 6884), (129, 6998), (139, 7070),

Gene: Cece_321 Start: 175048, Stop: 175509, Start Num: 75
Candidate Starts for Cece_321:
(48, 174976), (Start: 74 @175045 has 5 MA's), (Start: 75 @175048 has 2 MA's), (83, 175072), (101, 175189), (103, 175204), (107, 175228), (111, 175243), (119, 175309), (120, 175318), (129, 175432), (139, 175504),

Gene: CentreCat_81 Start: 47939, Stop: 47469, Start Num: 59
Candidate Starts for CentreCat_81:
(Start: 52 @47957 has 3 MA's), (Start: 59 @47939 has 156 MA's), (Start: 63 @47930 has 1 MA's), (Start: 67 @47927 has 23 MA's), (Start: 76 @47909 has 20 MA's), (90, 47870), (108, 47735), (121, 47618),

Gene: Cerulean_83 Start: 48337, Stop: 47867, Start Num: 59
Candidate Starts for Cerulean_83:
(Start: 52 @48355 has 3 MA's), (Start: 59 @48337 has 156 MA's), (Start: 63 @48328 has 1 MA's), (Start: 67 @48325 has 23 MA's), (Start: 76 @48307 has 20 MA's), (90, 48268), (108, 48133), (121, 48016),

Gene: Chaewon_201 Start: 106069, Stop: 106509, Start Num: 80
Candidate Starts for Chaewon_201:
(42, 105952), (53, 106003), (65, 106030), (Start: 76 @106060 has 20 MA's), (80, 106069), (84, 106084), (88, 106099), (101, 106192), (133, 106468),

Gene: ChampagnePapi_84 Start: 48339, Stop: 47869, Start Num: 59
Candidate Starts for ChampagnePapi_84:
(Start: 52 @48357 has 3 MA's), (Start: 59 @48339 has 156 MA's), (Start: 63 @48330 has 1 MA's), (Start: 67 @48327 has 23 MA's), (Start: 76 @48309 has 20 MA's), (90, 48270), (108, 48135), (121, 48018),

Gene: Chancellor_81 Start: 51093, Stop: 51677, Start Num: 67
Candidate Starts for Chancellor_81:
(26, 50895), (29, 50910), (33, 50946), (37, 50967), (39, 50994), (45, 51024), (Start: 62 @51084 has 41 MA's), (Start: 67 @51093 has 23 MA's), (Start: 70 @51102 has 12 MA's), (Start: 74 @51117 has 5 MA's), (96, 51186), (103, 51264), (108, 51291), (116, 51354), (124, 51432), (148, 51606), (150, 51621), (152, 51645),

Gene: Chaph_81 Start: 47910, Stop: 47440, Start Num: 59
Candidate Starts for Chaph_81:
(Start: 52 @47928 has 3 MA's), (Start: 59 @47910 has 156 MA's), (Start: 63 @47901 has 1 MA's), (Start: 67 @47898 has 23 MA's), (Start: 76 @47880 has 20 MA's), (90, 47841), (108, 47706), (121, 47589),

Gene: Chartreuse_83 Start: 45350, Stop: 44898, Start Num: 62
Candidate Starts for Chartreuse_83:
(Start: 62 @45350 has 41 MA's), (Start: 74 @45323 has 5 MA's), (96, 45257), (103, 45179), (124, 45011),

Gene: Chavito_79 Start: 52300, Stop: 52866, Start Num: 35
Candidate Starts for Chavito_79:
(Start: 35 @52300 has 12 MA's), (38, 52330), (Start: 67 @52411 has 23 MA's), (Start: 74 @52432 has 5 MA's), (Start: 76 @52438 has 20 MA's), (96, 52501), (98, 52534), (103, 52579), (109, 52609), (116, 52669), (134, 52843), (135, 52846),

Gene: CheetoDust_76 Start: 50058, Stop: 50519, Start Num: 64
Candidate Starts for CheetoDust_76:
(Start: 64 @50058 has 65 MA's), (Start: 74 @50085 has 5 MA's), (78, 50094), (96, 50154), (101, 50217), (108, 50259), (109, 50262), (124, 50400), (134, 50496), (135, 50499),

Gene: Cheetobro_81 Start: 51228, Stop: 51812, Start Num: 67
Candidate Starts for Cheetobro_81:
(26, 51039), (33, 51090), (39, 51144), (45, 51174), (Start: 62 @51219 has 41 MA's), (Start: 67 @51228 has 23 MA's), (Start: 70 @51237 has 12 MA's), (Start: 74 @51252 has 5 MA's), (96, 51321), (103, 51399), (104, 51402), (108, 51426), (112, 51447), (116, 51489), (124, 51567), (148, 51741), (152, 51780),

Gene: CherryonLim_37 Start: 28152, Stop: 27445, Start Num: 19
Candidate Starts for CherryonLim_37:
(Start: 5 @28236 has 1 MA's), (10, 28206), (11, 28200), (Start: 19 @28152 has 8 MA's), (24, 28146), (82, 27897), (87, 27873), (91, 27861), (99, 27780), (105, 27744), (113, 27690), (118, 27651), (120, 27639), (121, 27609), (131, 27498),

Gene: Chupacabra_77 Start: 47509, Stop: 47042, Start Num: 57
Candidate Starts for Chupacabra_77:
(Start: 52 @47524 has 3 MA's), (Start: 57 @47509 has 8 MA's), (Start: 66 @47494 has 2 MA's), (Start: 74 @47482 has 5 MA's), (96, 47413), (103, 47335), (108, 47308), (121, 47191),

Gene: Cici_77 Start: 47530, Stop: 47063, Start Num: 59
Candidate Starts for Cici_77:
(Start: 52 @47548 has 3 MA's), (Start: 59 @47530 has 156 MA's), (Start: 63 @47521 has 1 MA's), (Start: 67 @47518 has 23 MA's), (Start: 76 @47500 has 20 MA's), (90, 47461), (108, 47326), (116, 47263), (121, 47209),

Gene: Cindaradix_76 Start: 48112, Stop: 47648, Start Num: 59
Candidate Starts for Cindaradix_76:
(Start: 52 @48130 has 3 MA's), (Start: 59 @48112 has 156 MA's), (Start: 67 @48097 has 23 MA's), (Start: 74 @48085 has 5 MA's), (96, 48016), (108, 47911), (121, 47794),

Gene: Cintron_81 Start: 48015, Stop: 47545, Start Num: 59
Candidate Starts for Cintron_81:
(Start: 52 @48033 has 3 MA's), (Start: 59 @48015 has 156 MA's), (Start: 63 @48006 has 1 MA's), (Start: 67 @48003 has 23 MA's), (Start: 76 @47985 has 20 MA's), (90, 47946), (108, 47811), (121, 47694),

Gene: Circinus_199 Start: 105749, Stop: 106198, Start Num: 76
Candidate Starts for Circinus_199:
(53, 105692), (65, 105719), (Start: 76 @105749 has 20 MA's), (80, 105758), (84, 105773), (88, 105788), (131, 106133),

Gene: Citius_81 Start: 47920, Stop: 47450, Start Num: 59
Candidate Starts for Citius_81:
(Start: 52 @47938 has 3 MA's), (Start: 59 @47920 has 156 MA's), (Start: 63 @47911 has 1 MA's), (Start: 67 @47908 has 23 MA's), (Start: 76 @47890 has 20 MA's), (90, 47851), (103, 47743), (108, 47716), (116, 47653), (121, 47599),

Gene: Clarenza_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Clarenza_80:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: CloudWang3_86 Start: 46525, Stop: 46091, Start Num: 74
Candidate Starts for CloudWang3_86:
(Start: 62 @46552 has 41 MA's), (Start: 74 @46525 has 5 MA's), (94, 46465), (103, 46372), (120, 46258), (124, 46204),

Gene: CocoaPuff_35 Start: 27037, Stop: 26351, Start Num: 22
Candidate Starts for CocoaPuff_35:
(2, 27163), (Start: 22 @27037 has 14 MA's), (82, 26803), (85, 26788), (91, 26767), (101, 26671), (102, 26659), (105, 26650), (113, 26596), (118, 26557), (120, 26545), (121, 26515),

Gene: Cocoaberry_81 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for Cocoaberry_81:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Commander_79 Start: 47900, Stop: 47427, Start Num: 59
Candidate Starts for Commander_79:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (77, 47867), (90, 47828), (93, 47813), (98, 47765), (108, 47693), (121, 47576),

Gene: Comrade_233 Start: 115408, Stop: 115866, Start Num: 76
Candidate Starts for Comrade_233:

(Start: 75 @115405 has 2 MA's), (Start: 76 @115408 has 20 MA's), (88, 115447), (101, 115546), (104, 115564), (110, 115597), (114, 115624), (124, 115732), (136, 115852), (137, 115855),

Gene: Connomayer_81 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Connomayer_81:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (103, 47722), (108, 47695), (116, 47632), (121, 47578),

Gene: Cookiedough_84 Start: 46657, Stop: 46205, Start Num: 62
Candidate Starts for Cookiedough_84:
(Start: 62 @46657 has 41 MA's), (Start: 74 @46630 has 5 MA's), (96, 46564), (103, 46486), (124, 46318),

Gene: DaVinci_82 Start: 45404, Stop: 44952, Start Num: 62
Candidate Starts for DaVinci_82:
(Start: 62 @45404 has 41 MA's), (Start: 74 @45377 has 5 MA's), (96, 45311), (103, 45233), (124, 45065),

Gene: Dalmuri_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Dalmuri_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: DanSyl44_84 Start: 52479, Stop: 53063, Start Num: 67
Candidate Starts for DanSyl44_84:
(26, 52290), (33, 52341), (39, 52395), (45, 52425), (Start: 62 @52470 has 41 MA's), (Start: 67 @52479 has 23 MA's), (Start: 70 @52488 has 12 MA's), (Start: 74 @52503 has 5 MA's), (96, 52572), (103, 52650), (108, 52677), (116, 52740), (124, 52818), (148, 52992), (152, 53031),

Gene: DartGoblin_77 Start: 50684, Stop: 51145, Start Num: 64
Candidate Starts for DartGoblin_77:
(Start: 64 @50684 has 65 MA's), (Start: 74 @50711 has 5 MA's), (78, 50720), (87, 50747), (96, 50780), (101, 50843), (109, 50888), (124, 51026), (134, 51122), (135, 51125),

Gene: Dartin_79 Start: 51840, Stop: 52403, Start Num: 35
Candidate Starts for Dartin_79:
(Start: 35 @51840 has 12 MA's), (38, 51870), (Start: 67 @51948 has 23 MA's), (Start: 74 @51969 has 5 MA's), (Start: 76 @51975 has 20 MA's), (96, 52038), (98, 52071), (102, 52113), (103, 52116), (109, 52146), (116, 52206), (124, 52284), (134, 52380), (135, 52383),

Gene: Datway_78 Start: 47710, Stop: 47240, Start Num: 59
Candidate Starts for Datway_78:
(Start: 52 @47728 has 3 MA's), (Start: 59 @47710 has 156 MA's), (Start: 63 @47701 has 1 MA's), (Start: 67 @47698 has 23 MA's), (Start: 76 @47680 has 20 MA's), (90, 47641), (108, 47506), (121, 47389),

Gene: Deano_78 Start: 47907, Stop: 47437, Start Num: 59
Candidate Starts for Deano_78:
(Start: 52 @47925 has 3 MA's), (Start: 59 @47907 has 156 MA's), (Start: 63 @47898 has 1 MA's), (Start: 67 @47895 has 23 MA's), (Start: 76 @47877 has 20 MA's), (90, 47838), (103, 47730), (108, 47703), (116, 47640), (121, 47586),

Gene: Deby_76 Start: 50830, Stop: 51291, Start Num: 64
Candidate Starts for Deby_76:
(Start: 64 @50830 has 65 MA's), (Start: 74 @50857 has 5 MA's), (78, 50866), (96, 50926), (101, 50989), (108, 51031), (109, 51034), (124, 51172), (134, 51268), (135, 51271),

Gene: DekHockey33_89 Start: 47389, Stop: 46922, Start Num: 60
Candidate Starts for DekHockey33_89:
(Start: 60 @47389 has 14 MA's), (Start: 74 @47377 has 5 MA's), (90, 47338), (93, 47323),

Gene: DeluluLabubu_241 Start: 115489, Stop: 115944, Start Num: 76
Candidate Starts for DeluluLabubu_241:
(56, 115435), (Start: 75 @115486 has 2 MA's), (Start: 76 @115489 has 20 MA's), (87, 115525), (88, 115528), (101, 115627), (102, 115639), (110, 115678), (116, 115729), (124, 115810), (136, 115930), (137, 115933),

Gene: Dhanush_81 Start: 47902, Stop: 47432, Start Num: 59
Candidate Starts for Dhanush_81:
(Start: 52 @47920 has 3 MA's), (Start: 59 @47902 has 156 MA's), (Start: 63 @47893 has 1 MA's), (Start: 67 @47890 has 23 MA's), (Start: 76 @47872 has 20 MA's), (90, 47833), (108, 47698), (121, 47581),

Gene: DirtyDunning_80 Start: 47911, Stop: 47441, Start Num: 59
Candidate Starts for DirtyDunning_80:
(Start: 52 @47929 has 3 MA's), (Start: 59 @47911 has 156 MA's), (Start: 63 @47902 has 1 MA's), (Start: 67 @47899 has 23 MA's), (Start: 76 @47881 has 20 MA's), (90, 47842), (103, 47734), (108, 47707), (116, 47644), (121, 47590),

Gene: DismalFunk_82 Start: 53325, Stop: 53894, Start Num: 71
Candidate Starts for DismalFunk_82:
(Start: 71 @53325 has 12 MA's), (Start: 74 @53334 has 5 MA's), (86, 53364), (98, 53436), (103, 53481), (108, 53508), (109, 53511), (116, 53571), (149, 53835), (151, 53850),

Gene: DismalStressor_82 Start: 53325, Stop: 53894, Start Num: 71
Candidate Starts for DismalStressor_82:
(Start: 71 @53325 has 12 MA's), (Start: 74 @53334 has 5 MA's), (86, 53364), (98, 53436), (103, 53481), (108, 53508), (109, 53511), (116, 53571), (149, 53835), (151, 53850),

Gene: DontArgue_75 Start: 46372, Stop: 45908, Start Num: 59
Candidate Starts for DontArgue_75:
(Start: 59 @46372 has 156 MA's), (Start: 74 @46348 has 5 MA's), (103, 46201), (108, 46174), (118, 46099), (121, 46057),

Gene: Dorin_235 Start: 120741, Stop: 121214, Start Num: 74
Candidate Starts for Dorin_235:
(72, 120735), (Start: 74 @120741 has 5 MA's), (93, 120801), (103, 120897), (116, 120987), (120, 121011), (129, 121119), (133, 121158), (138, 121194), (141, 121206),

Gene: Dorothea_84 Start: 46650, Stop: 46198, Start Num: 62
Candidate Starts for Dorothea_84:
(Start: 62 @46650 has 41 MA's), (Start: 74 @46623 has 5 MA's), (96, 46557), (103, 46479), (124, 46311),

Gene: Doughnut_82 Start: 52967, Stop: 53548, Start Num: 71

Candidate Starts for Doughnut_82:
(Start: 71 @52967 has 12 MA's), (Start: 74 @52979 has 5 MA's), (103, 53126), (108, 53153), (109, 53156), (116, 53216), (143, 53432), (149, 53489), (151, 53504),

Gene: DrHayes_76 Start: 50854, Stop: 51315, Start Num: 64
Candidate Starts for DrHayes_76:
(Start: 64 @50854 has 65 MA's), (Start: 74 @50881 has 5 MA's), (78, 50890), (87, 50917), (96, 50950), (101, 51013), (109, 51058), (124, 51196), (134, 51292), (135, 51295),

Gene: Drake94_77 Start: 46666, Stop: 46199, Start Num: 59
Candidate Starts for Drake94_77:
(Start: 59 @46666 has 156 MA's), (Start: 63 @46657 has 1 MA's), (Start: 74 @46642 has 5 MA's), (96, 46573), (116, 46405),

Gene: DroogsArmy_77 Start: 49905, Stop: 49435, Start Num: 57
Candidate Starts for DroogsArmy_77:
(20, 50100), (27, 50079), (Start: 52 @49920 has 3 MA's), (Start: 57 @49905 has 8 MA's), (Start: 63 @49893 has 1 MA's), (Start: 74 @49872 has 5 MA's), (103, 49725), (108, 49698), (117, 49632), (120, 49614),

Gene: Druantia_79 Start: 47726, Stop: 47259, Start Num: 59
Candidate Starts for Druantia_79:
(Start: 52 @47744 has 3 MA's), (Start: 59 @47726 has 156 MA's), (Start: 63 @47717 has 1 MA's), (Start: 67 @47714 has 23 MA's), (Start: 76 @47696 has 20 MA's), (90, 47657), (108, 47522), (116, 47459), (121, 47405),

Gene: Durfee_76 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Durfee_76:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: DustyMartin_82 Start: 47658, Stop: 47191, Start Num: 59
Candidate Starts for DustyMartin_82:
(Start: 59 @47658 has 156 MA's), (Start: 63 @47649 has 1 MA's), (Start: 74 @47631 has 5 MA's), (103, 47484), (108, 47457), (118, 47382), (121, 47340),

Gene: Eagle_80 Start: 47961, Stop: 47491, Start Num: 59
Candidate Starts for Eagle_80:
(Start: 52 @47979 has 3 MA's), (Start: 59 @47961 has 156 MA's), (Start: 63 @47952 has 1 MA's), (Start: 67 @47949 has 23 MA's), (Start: 76 @47931 has 20 MA's), (90, 47892), (108, 47757), (121, 47640),

Gene: Eaglepride_83 Start: 47586, Stop: 47122, Start Num: 59
Candidate Starts for Eaglepride_83:
(Start: 59 @47586 has 156 MA's), (Start: 63 @47577 has 1 MA's), (Start: 74 @47562 has 5 MA's), (96, 47493),

Gene: Eapen_81 Start: 47894, Stop: 47424, Start Num: 59
Candidate Starts for Eapen_81:
(Start: 52 @47912 has 3 MA's), (Start: 59 @47894 has 156 MA's), (Start: 63 @47885 has 1 MA's), (Start: 67 @47882 has 23 MA's), (Start: 76 @47864 has 20 MA's), (90, 47825), (108, 47690), (121, 47573),

Gene: Efra2_83 Start: 51293, Stop: 51754, Start Num: 64
Candidate Starts for Efra2_83:
(Start: 64 @51293 has 65 MA's), (Start: 74 @51320 has 5 MA's), (78, 51329), (96, 51389), (98, 51422), (102, 51464), (108, 51494), (109, 51497), (116, 51557), (124, 51635), (134, 51731), (135, 51734),

Gene: Ekdilam_84 Start: 58038, Stop: 58601, Start Num: 36
Candidate Starts for Ekdilam_84:
(Start: 36 @58038 has 16 MA's), (38, 58068), (43, 58095), (47, 58113), (Start: 74 @58167 has 5 MA's), (Start: 76 @58173 has 20 MA's), (96, 58236), (98, 58269), (103, 58314), (108, 58341), (116, 58404), (134, 58578),

Gene: ElJefes_35 Start: 27402, Stop: 26662, Start Num: 10
Candidate Starts for ElJefes_35:
(Start: 5 @27432 has 1 MA's), (10, 27402), (11, 27396), (Start: 19 @27348 has 8 MA's), (24, 27342), (82, 27114), (91, 27078), (105, 26961), (113, 26907), (118, 26868), (120, 26856), (121, 26826), (131, 26715),

Gene: Elinal_38 Start: 27399, Stop: 26686, Start Num: 22
Candidate Starts for Elinal_38:
(Start: 3 @27501 has 1 MA's), (10, 27453), (11, 27447), (Start: 22 @27399 has 14 MA's), (82, 27138), (85, 27123), (91, 27102), (101, 27006), (102, 26994), (105, 26985), (113, 26931), (118, 26892), (120, 26880), (121, 26850),

Gene: Elle_86 Start: 46854, Stop: 46387, Start Num: 60
Candidate Starts for Elle_86:
(Start: 60 @46854 has 14 MA's), (Start: 74 @46842 has 5 MA's), (90, 46803), (105, 46686), (118, 46590),

Gene: Emalyn_30 Start: 23911, Stop: 23318, Start Num: 22
Candidate Starts for Emalyn_30:
(Start: 22 @23911 has 14 MA's), (Start: 59 @23797 has 156 MA's), (Start: 74 @23758 has 5 MA's), (92, 23710), (96, 23689), (98, 23656), (116, 23524),

Gene: Emerson_79 Start: 50897, Stop: 51358, Start Num: 64
Candidate Starts for Emerson_79:
(Start: 64 @50897 has 65 MA's), (Start: 74 @50924 has 5 MA's), (78, 50933), (96, 50993), (101, 51056), (109, 51101), (124, 51239), (134, 51335), (135, 51338),

Gene: Emma1919_241 Start: 114442, Stop: 114897, Start Num: 76
Candidate Starts for Emma1919_241:
(56, 114388), (Start: 75 @114439 has 2 MA's), (Start: 76 @114442 has 20 MA's), (87, 114478), (88, 114481), (101, 114580), (102, 114592), (110, 114631), (116, 114682), (124, 114763), (136, 114883), (137, 114886),

Gene: Eponine_83 Start: 52075, Stop: 52659, Start Num: 67
Candidate Starts for Eponine_83:
(26, 51886), (33, 51937), (39, 51991), (45, 52021), (Start: 62 @52066 has 41 MA's), (Start: 67 @52075 has 23 MA's), (Start: 70 @52084 has 12 MA's), (Start: 74 @52099 has 5 MA's), (96, 52168), (103, 52246), (108, 52273), (116, 52336), (124, 52414), (148, 52588), (152, 52627),

Gene: Eris_80 Start: 47911, Stop: 47441, Start Num: 59
Candidate Starts for Eris_80:

(Start: 52 @47929 has 3 MA's), (Start: 59 @47911 has 156 MA's), (Start: 63 @47902 has 1 MA's), (Start: 67 @47899 has 23 MA's), (Start: 76 @47881 has 20 MA's), (90, 47842), (108, 47707), (121, 47590),

Gene: Eros_81 Start: 47904, Stop: 47431, Start Num: 59
Candidate Starts for Eros_81:
(Start: 52 @47922 has 3 MA's), (Start: 59 @47904 has 156 MA's), (77, 47871), (90, 47832), (93, 47817), (98, 47769), (108, 47697), (121, 47580),

Gene: Eurydice_82 Start: 47936, Stop: 47466, Start Num: 59
Candidate Starts for Eurydice_82:
(Start: 52 @47954 has 3 MA's), (Start: 59 @47936 has 156 MA's), (Start: 63 @47927 has 1 MA's), (Start: 67 @47924 has 23 MA's), (Start: 76 @47906 has 20 MA's), (90, 47867), (108, 47732), (121, 47615),

Gene: Faust_238 Start: 116256, Stop: 116714, Start Num: 76
Candidate Starts for Faust_238:
(55, 116202), (Start: 76 @116256 has 20 MA's), (88, 116295), (106, 116424), (110, 116445), (126, 116604), (128, 116619), (136, 116700),

Gene: Feastonyeet_34 Start: 27021, Stop: 26305, Start Num: 19
Candidate Starts for Feastonyeet_34:
(Start: 5 @27105 has 1 MA's), (10, 27075), (11, 27069), (Start: 19 @27021 has 8 MA's), (24, 27015), (82, 26757), (85, 26742), (91, 26721), (99, 26640), (105, 26604), (113, 26550), (118, 26511), (120, 26499), (121, 26469), (131, 26358),

Gene: Findley_82 Start: 53343, Stop: 53912, Start Num: 71
Candidate Starts for Findley_82:
(Start: 71 @53343 has 12 MA's), (Start: 74 @53352 has 5 MA's), (86, 53382), (98, 53454), (103, 53499), (108, 53526), (109, 53529), (116, 53589), (149, 53853), (151, 53868),

Gene: Fionnbharth_81 Start: 51473, Stop: 52057, Start Num: 67
Candidate Starts for Fionnbharth_81:
(26, 51284), (33, 51335), (39, 51389), (45, 51419), (Start: 62 @51464 has 41 MA's), (Start: 67 @51473 has 23 MA's), (Start: 70 @51482 has 12 MA's), (Start: 74 @51497 has 5 MA's), (96, 51566), (103, 51644), (108, 51671), (116, 51734), (124, 51812), (148, 51986), (152, 52025),

Gene: Florean_81 Start: 47898, Stop: 47428, Start Num: 59
Candidate Starts for Florean_81:
(Start: 52 @47916 has 3 MA's), (Start: 59 @47898 has 156 MA's), (Start: 63 @47889 has 1 MA's), (Start: 67 @47886 has 23 MA's), (Start: 76 @47868 has 20 MA's), (90, 47829), (103, 47721), (108, 47694), (116, 47631), (121, 47577),

Gene: Flux_82 Start: 47897, Stop: 47427, Start Num: 59
Candidate Starts for Flux_82:
(Start: 52 @47915 has 3 MA's), (Start: 59 @47897 has 156 MA's), (Start: 63 @47888 has 1 MA's), (Start: 67 @47885 has 23 MA's), (Start: 76 @47867 has 20 MA's), (90, 47828), (108, 47693), (121, 47576),

Gene: FlyCatcher_81 Start: 50450, Stop: 49965, Start Num: 54
Candidate Starts for FlyCatcher_81:
(54, 50450), (Start: 57 @50438 has 8 MA's), (Start: 74 @50405 has 5 MA's), (87, 50369), (96, 50336), (103, 50258), (108, 50231), (116, 50168), (120, 50144), (134, 49988), (135, 49985),

Gene: Forrest_239 Start: 115200, Stop: 115655, Start Num: 76
Candidate Starts for Forrest_239:
(56, 115146), (Start: 75 @115197 has 2 MA's), (Start: 76 @115200 has 20 MA's), (87, 115236), (88, 115239), (101, 115338), (102, 115350), (110, 115389), (116, 115440), (124, 115521), (136, 115641), (137, 115644),

Gene: Francesca_236 Start: 121384, Stop: 121857, Start Num: 74
Candidate Starts for Francesca_236:
(72, 121378), (Start: 74 @121384 has 5 MA's), (93, 121444), (103, 121540), (116, 121630), (120, 121654), (129, 121762), (133, 121801), (138, 121837), (141, 121849),

Gene: Francob_244 Start: 115817, Stop: 116272, Start Num: 76
Candidate Starts for Francob_244:
(Start: 75 @115814 has 2 MA's), (Start: 76 @115817 has 20 MA's), (88, 115856), (101, 115955), (102, 115967), (110, 116006), (116, 116057), (124, 116138), (136, 116258), (137, 116261),

Gene: Funston_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Funston_80:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: GTE2_26 Start: 24090, Stop: 23512, Start Num: 22
Candidate Starts for GTE2_26:
(Start: 22 @24090 has 14 MA's), (51, 23997), (Start: 74 @23952 has 5 MA's), (96, 23883), (103, 23805), (113, 23745), (116, 23718),

Gene: Gadost_81 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for Gadost_81:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Gail_85 Start: 47839, Stop: 47372, Start Num: 67
Candidate Starts for Gail_85:
(Start: 67 @47839 has 23 MA's), (Start: 74 @47827 has 5 MA's), (103, 47674), (108, 47647), (112, 47626), (116, 47587), (125, 47497), (127, 47476),

Gene: Garak_87 Start: 46485, Stop: 46024, Start Num: 62
Candidate Starts for Garak_87:
(Start: 62 @46485 has 41 MA's), (Start: 74 @46458 has 5 MA's), (94, 46398), (103, 46305), (120, 46191),

Gene: GiKK_37 Start: 26414, Stop: 25788, Start Num: 15
Candidate Starts for GiKK_37:
(9, 26438), (14, 26417), (Start: 15 @26414 has 1 MA's), (Start: 22 @26387 has 14 MA's), (Start: 74 @26246 has 5 MA's), (103, 26099), (105, 26093), (109, 26069), (118, 26000), (131, 25841),

Gene: Gilson_240 Start: 115082, Stop: 115537, Start Num: 76
Candidate Starts for Gilson_240:
(Start: 75 @115079 has 2 MA's), (Start: 76 @115082 has 20 MA's), (88, 115121), (101, 115220), (102, 115232), (110, 115271), (116, 115322), (124, 115403), (136, 115523), (137, 115526),

Gene: Gladiator_82 Start: 46208, Stop: 45747, Start Num: 62
Candidate Starts for Gladiator_82:
(Start: 62 @46208 has 41 MA's), (Start: 74 @46181 has 5 MA's), (94, 46121), (103, 46028), (120, 45914), (124, 45860),

Gene: Goose_81 Start: 47320, Stop: 46853, Start Num: 57
Candidate Starts for Goose_81:
(Start: 52 @47335 has 3 MA's), (Start: 57 @47320 has 8 MA's), (Start: 66 @47305 has 2 MA's), (Start: 74 @47293 has 5 MA's), (96, 47224), (103, 47146), (108, 47119), (121, 47002),

Gene: GreedyLawyer_78 Start: 45978, Stop: 45517, Start Num: 62
Candidate Starts for GreedyLawyer_78:
(Start: 62 @45978 has 41 MA's), (Start: 74 @45951 has 5 MA's), (94, 45891), (103, 45798), (124, 45630),

Gene: Greely_237 Start: 134475, Stop: 134945, Start Num: 70
Candidate Starts for Greely_237:
(Start: 70 @134475 has 12 MA's), (Start: 74 @134490 has 5 MA's), (103, 134637), (108, 134664), (116, 134724),

Gene: Gruunaga_85 Start: 46163, Stop: 45702, Start Num: 62
Candidate Starts for Gruunaga_85:
(Start: 62 @46163 has 41 MA's), (Start: 74 @46136 has 5 MA's), (94, 46076), (103, 45983), (120, 45869), (124, 45815),

Gene: Guanica15_82 Start: 51039, Stop: 51500, Start Num: 64
Candidate Starts for Guanica15_82:
(Start: 64 @51039 has 65 MA's), (Start: 74 @51066 has 5 MA's), (78, 51075), (96, 51135), (102, 51210), (108, 51240), (109, 51243), (116, 51303), (124, 51381), (134, 51477),

Gene: HINdeR_77 Start: 49316, Stop: 48840, Start Num: 57
Candidate Starts for HINdeR_77:
(Start: 52 @49331 has 3 MA's), (Start: 57 @49316 has 8 MA's), (Start: 62 @49307 has 41 MA's), (Start: 63 @49304 has 1 MA's), (Start: 70 @49292 has 12 MA's), (Start: 71 @49289 has 12 MA's), (73, 49280), (Start: 74 @49277 has 5 MA's), (Start: 76 @49271 has 20 MA's), (90, 49238), (115, 49058), (130, 48905),

Gene: HamSlice_77 Start: 47898, Stop: 47428, Start Num: 59
Candidate Starts for HamSlice_77:
(Start: 52 @47916 has 3 MA's), (Start: 59 @47898 has 156 MA's), (Start: 63 @47889 has 1 MA's), (Start: 67 @47886 has 23 MA's), (Start: 76 @47868 has 20 MA's), (90, 47829), (103, 47721), (108, 47694), (116, 47631), (121, 47577),

Gene: Hammer_86 Start: 45843, Stop: 45409, Start Num: 74
Candidate Starts for Hammer_86:
(Start: 62 @45870 has 41 MA's), (Start: 74 @45843 has 5 MA's), (94, 45783), (103, 45690), (120, 45576), (124, 45522),

Gene: Happiness_80 Start: 47922, Stop: 47452, Start Num: 59
Candidate Starts for Happiness_80:
(Start: 52 @47940 has 3 MA's), (Start: 59 @47922 has 156 MA's), (Start: 63 @47913 has 1 MA's), (Start: 67 @47910 has 23 MA's), (Start: 76 @47892 has 20 MA's), (90, 47853), (108, 47718), (121,

47601),

Gene: HedwigODU_76 Start: 50506, Stop: 50967, Start Num: 64
Candidate Starts for HedwigODU_76:
(Start: 64 @50506 has 65 MA's), (Start: 74 @50533 has 5 MA's), (78, 50542), (96, 50602), (101, 50665), (108, 50707), (109, 50710), (116, 50770), (124, 50848), (134, 50944), (135, 50947),

Gene: Helmet_88 Start: 46485, Stop: 46024, Start Num: 62
Candidate Starts for Helmet_88:
(Start: 62 @46485 has 41 MA's), (Start: 74 @46458 has 5 MA's), (94, 46398), (103, 46305), (120, 46191),

Gene: Herbertwm_78 Start: 46898, Stop: 46428, Start Num: 57
Candidate Starts for Herbertwm_78:
(Start: 57 @46898 has 8 MA's), (Start: 74 @46868 has 5 MA's), (79, 46856), (87, 46832), (100, 46745), (103, 46721), (108, 46694), (109, 46691), (116, 46631),

Gene: Hexamo_85 Start: 46038, Stop: 45577, Start Num: 62
Candidate Starts for Hexamo_85:
(Start: 62 @46038 has 41 MA's), (Start: 74 @46011 has 5 MA's), (94, 45951), (103, 45858), (120, 45744), (124, 45690),

Gene: Hexbug_40 Start: 28044, Stop: 27442, Start Num: 22
Candidate Starts for Hexbug_40:
(8, 28101), (9, 28095), (14, 28074), (Start: 22 @28044 has 14 MA's), (Start: 74 @27903 has 5 MA's), (103, 27756), (105, 27750), (109, 27726), (116, 27669), (132, 27486),

Gene: Holli_80 Start: 47689, Stop: 47219, Start Num: 59
Candidate Starts for Holli_80:
(Start: 52 @47707 has 3 MA's), (Start: 59 @47689 has 156 MA's), (Start: 63 @47680 has 1 MA's), (Start: 67 @47677 has 23 MA's), (Start: 76 @47659 has 20 MA's), (90, 47620), (103, 47512), (108, 47485), (116, 47422), (121, 47368),

Gene: Homura_75 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Homura_75:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Hoot_79 Start: 43863, Stop: 43402, Start Num: 62
Candidate Starts for Hoot_79:
(Start: 62 @43863 has 41 MA's), (Start: 74 @43836 has 5 MA's), (94, 43776), (103, 43683), (124, 43515),

Gene: Houdini22_80 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for Houdini22_80:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Hurricane_79 Start: 51359, Stop: 51922, Start Num: 36
Candidate Starts for Hurricane_79:
(Start: 36 @51359 has 16 MA's), (43, 51416), (49, 51440), (Start: 74 @51491 has 5 MA's), (Start: 76 @51497 has 20 MA's), (87, 51527), (96, 51560), (98, 51593), (103, 51638), (114, 51701), (116,

51728), (129, 51860),

Gene: Huxley_73 Start: 45792, Stop: 45322, Start Num: 59
Candidate Starts for Huxley_73:
(Start: 52 @45810 has 3 MA's), (Start: 59 @45792 has 156 MA's), (Start: 63 @45783 has 1 MA's), (Start: 67 @45780 has 23 MA's), (Start: 76 @45762 has 20 MA's), (90, 45723), (108, 45588), (121, 45471),

Gene: Hyperbowlee_75 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Hyperbowlee_75:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: ICleared_80 Start: 47967, Stop: 47497, Start Num: 59
Candidate Starts for ICleared_80:
(13, 48198), (Start: 52 @47985 has 3 MA's), (Start: 59 @47967 has 156 MA's), (Start: 63 @47958 has 1 MA's), (Start: 67 @47955 has 23 MA's), (Start: 76 @47937 has 20 MA's), (90, 47898), (108, 47763), (121, 47646),

Gene: Iceman_79 Start: 48189, Stop: 47719, Start Num: 59
Candidate Starts for Iceman_79:
(Start: 52 @48207 has 3 MA's), (Start: 59 @48189 has 156 MA's), (Start: 63 @48180 has 1 MA's), (Start: 67 @48177 has 23 MA's), (Start: 76 @48159 has 20 MA's), (90, 48120), (108, 47985), (121, 47868),

Gene: Indra_89 Start: 46486, Stop: 46025, Start Num: 62
Candidate Starts for Indra_89:
(Start: 62 @46486 has 41 MA's), (Start: 74 @46459 has 5 MA's), (94, 46399), (103, 46306), (120, 46192),

Gene: Inky_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Inky_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Iracema64_81 Start: 48163, Stop: 47693, Start Num: 59
Candidate Starts for Iracema64_81:
(Start: 52 @48181 has 3 MA's), (Start: 59 @48163 has 156 MA's), (Start: 63 @48154 has 1 MA's), (Start: 67 @48151 has 23 MA's), (Start: 76 @48133 has 20 MA's), (90, 48094), (108, 47959), (121, 47842),

Gene: IronMan_81 Start: 48725, Stop: 48255, Start Num: 59
Candidate Starts for IronMan_81:
(Start: 59 @48725 has 156 MA's), (Start: 63 @48716 has 1 MA's), (Start: 74 @48701 has 5 MA's), (116, 48461), (122, 48398),

Gene: Iwokeuplikedis_87 Start: 48540, Stop: 48067, Start Num: 59
Candidate Starts for Iwokeuplikedis_87:
(Start: 59 @48540 has 156 MA's), (Start: 63 @48531 has 1 MA's), (Start: 67 @48528 has 23 MA's), (Start: 74 @48516 has 5 MA's), (87, 48480), (108, 48336), (122, 48210),

Gene: JAWS_75 Start: 50423, Stop: 50884, Start Num: 64
Candidate Starts for JAWS_75:

(Start: 64 @50423 has 65 MA's), (Start: 74 @50450 has 5 MA's), (78, 50459), (96, 50519), (101, 50582), (108, 50624), (109, 50627), (124, 50765), (134, 50861), (135, 50864),

Gene: JF1_81 Start: 51381, Stop: 51974, Start Num: 62
Candidate Starts for JF1_81:
(26, 51201), (33, 51252), (39, 51306), (45, 51336), (Start: 62 @51381 has 41 MA's), (Start: 67 @51390 has 23 MA's), (Start: 70 @51399 has 12 MA's), (Start: 74 @51414 has 5 MA's), (96, 51483), (103, 51561), (108, 51588), (112, 51609), (116, 51651), (148, 51903), (152, 51942), (154, 51966),

Gene: JSwag_87 Start: 46806, Stop: 46339, Start Num: 60
Candidate Starts for JSwag_87:
(Start: 60 @46806 has 14 MA's), (Start: 74 @46794 has 5 MA's), (90, 46755), (93, 46740),

Gene: Jaan_82 Start: 48833, Stop: 48363, Start Num: 59
Candidate Starts for Jaan_82:
(Start: 59 @48833 has 156 MA's), (Start: 63 @48824 has 1 MA's), (Start: 74 @48809 has 5 MA's), (87, 48773), (116, 48569),

Gene: Jada_238 Start: 114440, Stop: 114895, Start Num: 76
Candidate Starts for Jada_238:
(56, 114386), (Start: 75 @114437 has 2 MA's), (Start: 76 @114440 has 20 MA's), (87, 114476), (88, 114479), (101, 114578), (102, 114590), (110, 114629), (116, 114680), (124, 114761), (136, 114881), (137, 114884),

Gene: Jamzy_37 Start: 26370, Stop: 25771, Start Num: 22
Candidate Starts for Jamzy_37:
(9, 26421), (14, 26400), (Start: 15 @26397 has 1 MA's), (Start: 22 @26370 has 14 MA's), (Start: 74 @26229 has 5 MA's), (103, 26082), (105, 26076), (109, 26052), (118, 25983),

Gene: Jarvi_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Jarvi_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Jayhawk_79 Start: 50923, Stop: 51384, Start Num: 64
Candidate Starts for Jayhawk_79:
(Start: 64 @50923 has 65 MA's), (Start: 74 @50950 has 5 MA's), (78, 50959), (96, 51019), (101, 51082), (108, 51124), (109, 51127), (124, 51265), (134, 51361), (135, 51364),

Gene: Jaykayelowell_78 Start: 47892, Stop: 47422, Start Num: 59
Candidate Starts for Jaykayelowell_78:
(Start: 52 @47910 has 3 MA's), (Start: 59 @47892 has 156 MA's), (Start: 63 @47883 has 1 MA's), (Start: 67 @47880 has 23 MA's), (Start: 76 @47862 has 20 MA's), (90, 47823), (103, 47715), (108, 47688), (116, 47625), (121, 47571),

Gene: Jeckyll_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Jeckyll_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Jeeves_85 Start: 46559, Stop: 46092, Start Num: 67
Candidate Starts for Jeeves_85:

(Start: 67 @46559 has 23 MA's), (Start: 74 @46547 has 5 MA's), (108, 46367), (112, 46346), (116, 46307), (125, 46217), (127, 46196),

Gene: JetBlade_82 Start: 47927, Stop: 47457, Start Num: 59
Candidate Starts for JetBlade_82:
(Start: 52 @47945 has 3 MA's), (Start: 59 @47927 has 156 MA's), (Start: 63 @47918 has 1 MA's), (Start: 67 @47915 has 23 MA's), (Start: 76 @47897 has 20 MA's), (90, 47858), (103, 47750), (108, 47723), (116, 47660), (121, 47606),

Gene: JoongJeon_80 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for JoongJeon_80:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: Jordennis_82 Start: 46245, Stop: 45784, Start Num: 62
Candidate Starts for Jordennis_82:
(Start: 62 @46245 has 41 MA's), (Start: 74 @46218 has 5 MA's), (94, 46158), (103, 46065), (124, 45897),

Gene: Joy99_77 Start: 50590, Stop: 51051, Start Num: 64
Candidate Starts for Joy99_77:
(Start: 64 @50590 has 65 MA's), (Start: 74 @50617 has 5 MA's), (78, 50626), (96, 50686), (101, 50749), (108, 50791), (109, 50794), (116, 50854), (124, 50932), (134, 51028), (135, 51031),

Gene: Juliette_83 Start: 51509, Stop: 52081, Start Num: 70
Candidate Starts for Juliette_83:
(17, 51284), (26, 51311), (33, 51362), (39, 51416), (45, 51446), (Start: 62 @51491 has 41 MA's), (Start: 67 @51500 has 23 MA's), (Start: 70 @51509 has 12 MA's), (Start: 74 @51524 has 5 MA's), (96, 51593), (102, 51668), (103, 51671), (108, 51698), (116, 51761), (124, 51839), (146, 52004), (148, 52010), (152, 52049),

Gene: KFPoly_80 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for KFPoly_80:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: Kampy_80 Start: 47902, Stop: 47432, Start Num: 59
Candidate Starts for Kampy_80:
(Start: 52 @47920 has 3 MA's), (Start: 59 @47902 has 156 MA's), (Start: 63 @47893 has 1 MA's), (Start: 67 @47890 has 23 MA's), (Start: 76 @47872 has 20 MA's), (90, 47833), (108, 47698), (121, 47581),

Gene: Karp_236 Start: 116720, Stop: 117178, Start Num: 76
Candidate Starts for Karp_236:
(Start: 75 @116717 has 2 MA's), (Start: 76 @116720 has 20 MA's), (88, 116759), (101, 116858), (104, 116876), (110, 116909), (114, 116936), (124, 117044), (136, 117164), (137, 117167),

Gene: Katalie136_77 Start: 47517, Stop: 47050, Start Num: 59
Candidate Starts for Katalie136_77:
(Start: 52 @47535 has 3 MA's), (Start: 59 @47517 has 156 MA's), (Start: 63 @47508 has 1 MA's), (Start: 67 @47505 has 23 MA's), (Start: 76 @47487 has 20 MA's), (90, 47448), (108, 47313), (116,

47250), (121, 47196),

Gene: KatherineG_87 Start: 47118, Stop: 46651, Start Num: 60
Candidate Starts for KatherineG_87:
(Start: 60 @47118 has 14 MA's), (Start: 74 @47106 has 5 MA's), (90, 47067), (93, 47052),

Gene: KayGee_36 Start: 27399, Stop: 26686, Start Num: 22
Candidate Starts for KayGee_36:
(Start: 3 @27501 has 1 MA's), (10, 27453), (11, 27447), (Start: 22 @27399 has 14 MA's), (82, 27138), (85, 27123), (91, 27102), (101, 27006), (102, 26994), (105, 26985), (113, 26931), (118, 26892), (120, 26880), (121, 26850),

Gene: Kazan_85 Start: 46018, Stop: 45557, Start Num: 62
Candidate Starts for Kazan_85:
(Start: 62 @46018 has 41 MA's), (Start: 74 @45991 has 5 MA's), (94, 45931), (103, 45838), (124, 45670),

Gene: KekoraPapaka_78 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for KekoraPapaka_78:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Kenrey_246 Start: 116000, Stop: 116455, Start Num: 76
Candidate Starts for Kenrey_246:
(Start: 75 @115997 has 2 MA's), (Start: 76 @116000 has 20 MA's), (88, 116039), (93, 116054), (101, 116138), (102, 116150), (110, 116189), (136, 116441),

Gene: Keshu_81 Start: 51550, Stop: 52113, Start Num: 36
Candidate Starts for Keshu_81:
(Start: 36 @51550 has 16 MA's), (43, 51607), (49, 51631), (Start: 74 @51682 has 5 MA's), (Start: 76 @51688 has 20 MA's), (87, 51718), (96, 51751), (98, 51784), (103, 51829), (114, 51892), (116, 51919), (129, 52051),

Gene: KiSi_79 Start: 51113, Stop: 51700, Start Num: 36
Candidate Starts for KiSi_79:
(Start: 36 @51113 has 16 MA's), (44, 51170), (Start: 62 @51233 has 41 MA's), (Start: 74 @51266 has 5 MA's), (Start: 76 @51272 has 20 MA's), (96, 51335), (98, 51368), (103, 51413), (108, 51440), (116, 51503), (124, 51581), (135, 51680),

Gene: Kimona_81 Start: 46685, Stop: 46218, Start Num: 68
Candidate Starts for Kimona_81:
(32, 46847), (Start: 52 @46706 has 3 MA's), (Start: 68 @46685 has 1 MA's), (Start: 74 @46673 has 5 MA's), (78, 46664), (87, 46637), (96, 46604), (103, 46526), (134, 46256),

Gene: Kingmustik0402_81 Start: 47888, Stop: 47418, Start Num: 59
Candidate Starts for Kingmustik0402_81:
(Start: 52 @47906 has 3 MA's), (Start: 59 @47888 has 156 MA's), (Start: 63 @47879 has 1 MA's), (Start: 67 @47876 has 23 MA's), (Start: 76 @47858 has 20 MA's), (90, 47819), (108, 47684), (121, 47567),

Gene: Kipper29_84 Start: 46022, Stop: 45570, Start Num: 62
Candidate Starts for Kipper29_84:

(Start: 62 @46022 has 41 MA's), (Start: 74 @45995 has 5 MA's), (96, 45929), (103, 45851), (124, 45683),

Gene: KittenMittens_76 Start: 46673, Stop: 46209, Start Num: 59
Candidate Starts for KittenMittens_76:
(Start: 59 @46673 has 156 MA's), (Start: 63 @46664 has 1 MA's), (Start: 74 @46649 has 5 MA's), (121, 46358),

Gene: Koan_78 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Koan_78:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Koko_87 Start: 46875, Stop: 46414, Start Num: 62
Candidate Starts for Koko_87:
(Start: 62 @46875 has 41 MA's), (Start: 74 @46848 has 5 MA's), (94, 46788), (103, 46695), (120, 46581),

Gene: Koreni_80 Start: 47580, Stop: 47110, Start Num: 59
Candidate Starts for Koreni_80:
(Start: 52 @47598 has 3 MA's), (Start: 59 @47580 has 156 MA's), (Start: 63 @47571 has 1 MA's), (Start: 67 @47568 has 23 MA's), (Start: 76 @47550 has 20 MA's), (90, 47511), (108, 47376), (121, 47259),

Gene: Kratark_80 Start: 47933, Stop: 47463, Start Num: 59
Candidate Starts for Kratark_80:
(Start: 52 @47951 has 3 MA's), (Start: 59 @47933 has 156 MA's), (Start: 63 @47924 has 1 MA's), (Start: 67 @47921 has 23 MA's), (Start: 76 @47903 has 20 MA's), (90, 47864), (108, 47729), (121, 47612),

Gene: Kraw_81 Start: 51233, Stop: 51790, Start Num: 74
Candidate Starts for Kraw_81:
(26, 51011), (29, 51026), (33, 51062), (37, 51083), (39, 51110), (45, 51140), (Start: 62 @51200 has 41 MA's), (Start: 67 @51209 has 23 MA's), (Start: 70 @51218 has 12 MA's), (Start: 74 @51233 has 5 MA's), (96, 51302), (102, 51377), (103, 51380), (108, 51407), (116, 51470), (124, 51548), (146, 51713), (148, 51719), (152, 51758),

Gene: Kremtemulon_78 Start: 47779, Stop: 47309, Start Num: 59
Candidate Starts for Kremtemulon_78:
(Start: 52 @47797 has 3 MA's), (Start: 59 @47779 has 156 MA's), (Start: 63 @47770 has 1 MA's), (Start: 67 @47767 has 23 MA's), (Start: 76 @47749 has 20 MA's), (90, 47710), (108, 47575), (121, 47458),

Gene: Kristoff_78 Start: 47941, Stop: 47477, Start Num: 59
Candidate Starts for Kristoff_78:
(Start: 59 @47941 has 156 MA's), (Start: 63 @47932 has 1 MA's), (Start: 74 @47917 has 5 MA's), (116, 47680),

Gene: Krueger_83 Start: 51452, Stop: 52018, Start Num: 35
Candidate Starts for Krueger_83:
(Start: 35 @51452 has 12 MA's), (38, 51482), (Start: 67 @51563 has 23 MA's), (Start: 74 @51584 has 5 MA's), (98, 51686), (103, 51731), (116, 51821), (124, 51899), (129, 51953), (135, 51998),

Gene: Kyee_81 Start: 47894, Stop: 47424, Start Num: 59
Candidate Starts for Kyee_81:
(Start: 52 @47912 has 3 MA's), (Start: 59 @47894 has 156 MA's), (Start: 63 @47885 has 1 MA's), (Start: 67 @47882 has 23 MA's), (Start: 76 @47864 has 20 MA's), (90, 47825), (108, 47690), (121, 47573),

Gene: LHTSCC_83 Start: 48339, Stop: 47869, Start Num: 59
Candidate Starts for LHTSCC_83:
(Start: 52 @48357 has 3 MA's), (Start: 59 @48339 has 156 MA's), (Start: 63 @48330 has 1 MA's), (Start: 67 @48327 has 23 MA's), (Start: 76 @48309 has 20 MA's), (90, 48270), (108, 48135), (121, 48018),

Gene: Landor_82 Start: 48758, Stop: 48288, Start Num: 59
Candidate Starts for Landor_82:
(Start: 59 @48758 has 156 MA's), (Start: 63 @48749 has 1 MA's), (Start: 74 @48734 has 5 MA's), (116, 48494),

Gene: LappelDuVide_81 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for LappelDuVide_81:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (103, 47722), (108, 47695), (116, 47632), (121, 47578),

Gene: LastHope_83 Start: 51070, Stop: 51531, Start Num: 64
Candidate Starts for LastHope_83:
(Start: 64 @51070 has 65 MA's), (69, 51076), (Start: 74 @51097 has 5 MA's), (78, 51106), (87, 51133), (96, 51166), (102, 51241), (108, 51271), (109, 51274), (116, 51334), (124, 51412), (135, 51511),

Gene: LastResort_85 Start: 47049, Stop: 46582, Start Num: 60
Candidate Starts for LastResort_85:
(Start: 60 @47049 has 14 MA's), (Start: 74 @47037 has 5 MA's), (90, 46998), (93, 46983),

Gene: Lauer_32 Start: 28305, Stop: 27505, Start Num: 5
Candidate Starts for Lauer_32:
(Start: 5 @28305 has 1 MA's), (10, 28275), (11, 28269), (Start: 19 @28221 has 8 MA's), (24, 28215), (82, 27957), (87, 27933), (91, 27921), (99, 27840), (105, 27804), (113, 27750), (118, 27711), (120, 27699), (121, 27669), (131, 27558),

Gene: LeMond_78 Start: 50717, Stop: 51304, Start Num: 36
Candidate Starts for LeMond_78:
(Start: 36 @50717 has 16 MA's), (44, 50774), (Start: 62 @50837 has 41 MA's), (Start: 74 @50870 has 5 MA's), (Start: 76 @50876 has 20 MA's), (96, 50939), (98, 50972), (103, 51017), (108, 51044), (116, 51107), (124, 51185), (135, 51284),

Gene: Lea83_79 Start: 51451, Stop: 52014, Start Num: 36
Candidate Starts for Lea83_79:
(Start: 36 @51451 has 16 MA's), (43, 51508), (49, 51532), (Start: 74 @51583 has 5 MA's), (Start: 76 @51589 has 20 MA's), (87, 51619), (96, 51652), (98, 51685), (103, 51730), (114, 51793), (116, 51820), (129, 51952),

Gene: Lebo14_80 Start: 51635, Stop: 52210, Start Num: 70
Candidate Starts for Lebo14_80:

(26, 51437), (33, 51488), (39, 51542), (45, 51572), (Start: 62 @51617 has 41 MA's), (Start: 67 @51626 has 23 MA's), (Start: 70 @51635 has 12 MA's), (Start: 74 @51650 has 5 MA's), (96, 51719), (103, 51797), (108, 51824), (116, 51887), (124, 51965), (148, 52139), (152, 52178),

Gene: Lemur_81 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Lemur_81:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Lilbunny_85 Start: 46117, Stop: 45656, Start Num: 62
Candidate Starts for Lilbunny_85:
(Start: 62 @46117 has 41 MA's), (Start: 74 @46090 has 5 MA's), (94, 46030), (103, 45937), (120, 45823),

Gene: LindNT_75 Start: 50926, Stop: 51387, Start Num: 64
Candidate Starts for LindNT_75:
(Start: 64 @50926 has 65 MA's), (Start: 74 @50953 has 5 MA's), (78, 50962), (96, 51022), (101, 51085), (109, 51130), (124, 51268), (134, 51364), (135, 51367),

Gene: LittleB_81 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for LittleB_81:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: LittleGuy_81 Start: 47787, Stop: 47314, Start Num: 59
Candidate Starts for LittleGuy_81:
(Start: 52 @47805 has 3 MA's), (Start: 59 @47787 has 156 MA's), (77, 47754), (90, 47715), (93, 47700), (98, 47652), (108, 47580), (121, 47463),

Gene: Llorens_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Llorens_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: LochMonster_82 Start: 48136, Stop: 47666, Start Num: 59
Candidate Starts for LochMonster_82:
(Start: 52 @48154 has 3 MA's), (Start: 59 @48136 has 156 MA's), (Start: 63 @48127 has 1 MA's), (Start: 67 @48124 has 23 MA's), (Start: 76 @48106 has 20 MA's), (90, 48067), (108, 47932), (121, 47815),

Gene: Lorenzo_81 Start: 47897, Stop: 47427, Start Num: 59
Candidate Starts for Lorenzo_81:
(Start: 52 @47915 has 3 MA's), (Start: 59 @47897 has 156 MA's), (Start: 63 @47888 has 1 MA's), (Start: 67 @47885 has 23 MA's), (Start: 76 @47867 has 20 MA's), (90, 47828), (108, 47693), (121, 47576),

Gene: Luchador_83 Start: 47820, Stop: 47353, Start Num: 67
Candidate Starts for Luchador_83:
(Start: 67 @47820 has 23 MA's), (Start: 74 @47808 has 5 MA's), (108, 47628), (112, 47607), (125, 47478), (127, 47457),

Gene: Lunahalos_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Lunahalos_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Lunsford_81 Start: 47892, Stop: 47422, Start Num: 59
Candidate Starts for Lunsford_81:
(Start: 52 @47910 has 3 MA's), (Start: 59 @47892 has 156 MA's), (Start: 63 @47883 has 1 MA's), (Start: 67 @47880 has 23 MA's), (Start: 76 @47862 has 20 MA's), (90, 47823), (96, 47793), (103, 47715), (108, 47688), (116, 47625), (121, 47571),

Gene: MAnor_36 Start: 27792, Stop: 27085, Start Num: 19
Candidate Starts for MAnor_36:
(Start: 5 @27876 has 1 MA's), (10, 27846), (11, 27840), (Start: 19 @27792 has 8 MA's), (24, 27786), (82, 27537), (87, 27513), (91, 27501), (99, 27420), (105, 27384), (113, 27330), (118, 27291), (120, 27279), (121, 27249), (131, 27138),

Gene: MacnCheese_81 Start: 51963, Stop: 52529, Start Num: 36
Candidate Starts for MacnCheese_81:
(Start: 36 @51963 has 16 MA's), (38, 51993), (Start: 67 @52074 has 23 MA's), (Start: 74 @52098 has 5 MA's), (Start: 76 @52104 has 20 MA's), (98, 52200), (103, 52245), (116, 52335), (129, 52467),

Gene: Malthus_82 Start: 51209, Stop: 51790, Start Num: 67
Candidate Starts for Malthus_82:
(26, 51011), (29, 51026), (33, 51062), (37, 51083), (39, 51110), (45, 51140), (Start: 62 @51200 has 41 MA's), (Start: 67 @51209 has 23 MA's), (Start: 70 @51218 has 12 MA's), (Start: 74 @51233 has 5 MA's), (96, 51302), (102, 51377), (103, 51380), (108, 51407), (116, 51470), (124, 51548), (146, 51713), (148, 51719), (152, 51758),

Gene: Marcoliusprime_81 Start: 53325, Stop: 53894, Start Num: 71
Candidate Starts for Marcoliusprime_81:
(Start: 71 @53325 has 12 MA's), (Start: 74 @53334 has 5 MA's), (86, 53364), (98, 53436), (103, 53481), (108, 53508), (109, 53511), (116, 53571), (149, 53835), (151, 53850),

Gene: Margaret_39 Start: 27083, Stop: 26442, Start Num: 12
Candidate Starts for Margaret_39:
(Start: 12 @27083 has 1 MA's), (Start: 22 @27044 has 14 MA's), (Start: 52 @26957 has 3 MA's), (69, 26924), (Start: 74 @26903 has 5 MA's), (87, 26867), (96, 26834), (103, 26756), (105, 26750), (109, 26726), (116, 26669), (135, 26465),

Gene: MarkPhew_78 Start: 50597, Stop: 51175, Start Num: 36
Candidate Starts for MarkPhew_78:
(21, 50516), (23, 50519), (25, 50522), (Start: 36 @50597 has 16 MA's), (Start: 67 @50714 has 23 MA's), (Start: 74 @50738 has 5 MA's), (Start: 76 @50744 has 20 MA's), (98, 50840), (102, 50882), (103, 50885), (108, 50912), (116, 50975), (124, 51053), (135, 51155),

Gene: Marshawn_75 Start: 50991, Stop: 51566, Start Num: 36
Candidate Starts for Marshawn_75:
(23, 50913), (25, 50916), (Start: 36 @50991 has 16 MA's), (Start: 67 @51108 has 23 MA's), (Start: 74 @51132 has 5 MA's), (Start: 76 @51138 has 20 MA's), (96, 51201), (97, 51204), (98, 51234), (102, 51276), (103, 51279), (108, 51306), (112, 51327), (116, 51369), (124, 51447), (135, 51546),

Gene: Maupel_243 Start: 114275, Stop: 114730, Start Num: 76

Candidate Starts for Maupel_243:
(Start: 75 @114272 has 2 MA's), (Start: 76 @114275 has 20 MA's), (88, 114314), (101, 114413), (102, 114425), (110, 114464), (116, 114515), (124, 114596), (136, 114716), (137, 114719),

Gene: Maverick_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Maverick_80:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Maxo_83 Start: 47902, Stop: 47432, Start Num: 59
Candidate Starts for Maxo_83:
(Start: 52 @47920 has 3 MA's), (Start: 59 @47902 has 156 MA's), (Start: 63 @47893 has 1 MA's), (Start: 67 @47890 has 23 MA's), (Start: 76 @47872 has 20 MA's), (90, 47833), (108, 47698), (121, 47581),

Gene: Mayweather_38 Start: 28017, Stop: 27313, Start Num: 19
Candidate Starts for Mayweather_38:
(Start: 5 @28101 has 1 MA's), (10, 28071), (11, 28065), (Start: 19 @28017 has 8 MA's), (41, 27900), (82, 27765), (87, 27741), (91, 27729), (93, 27711), (99, 27648), (105, 27612), (113, 27558), (118, 27519), (120, 27507), (121, 27477), (131, 27366),

Gene: Mazhar510_81 Start: 47897, Stop: 47427, Start Num: 59
Candidate Starts for Mazhar510_81:
(Start: 52 @47915 has 3 MA's), (Start: 59 @47897 has 156 MA's), (Start: 63 @47888 has 1 MA's), (Start: 67 @47885 has 23 MA's), (Start: 76 @47867 has 20 MA's), (90, 47828), (108, 47693), (121, 47576),

Gene: McDazzle_35 Start: 27342, Stop: 26656, Start Num: 19
Candidate Starts for McDazzle_35:
(Start: 5 @27426 has 1 MA's), (10, 27396), (11, 27390), (Start: 19 @27342 has 8 MA's), (24, 27336), (82, 27108), (91, 27072), (105, 26955), (113, 26901), (118, 26862), (120, 26850), (121, 26820), (131, 26709),

Gene: McFly_84 Start: 46358, Stop: 45906, Start Num: 62
Candidate Starts for McFly_84:
(Start: 62 @46358 has 41 MA's), (Start: 74 @46331 has 5 MA's), (96, 46265), (103, 46187), (124, 46019),

Gene: McMater_79 Start: 51840, Stop: 52403, Start Num: 35
Candidate Starts for McMater_79:
(Start: 35 @51840 has 12 MA's), (38, 51870), (Start: 67 @51948 has 23 MA's), (Start: 74 @51969 has 5 MA's), (Start: 76 @51975 has 20 MA's), (96, 52038), (98, 52071), (102, 52113), (103, 52116), (109, 52146), (116, 52206), (124, 52284), (134, 52380), (135, 52383),

Gene: Medusa_80 Start: 47912, Stop: 47442, Start Num: 59
Candidate Starts for Medusa_80:
(Start: 52 @47930 has 3 MA's), (Start: 59 @47912 has 156 MA's), (Start: 63 @47903 has 1 MA's), (Start: 67 @47900 has 23 MA's), (Start: 76 @47882 has 20 MA's), (90, 47843), (108, 47708), (121, 47591),

Gene: MeeZee_80 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for MeeZee_80:

(13, 48124), (Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: MeganTheeKilla_243 Start: 114982, Stop: 115437, Start Num: 76
Candidate Starts for MeganTheeKilla_243:
(Start: 75 @114979 has 2 MA's), (Start: 76 @114982 has 20 MA's), (88, 115021), (101, 115120), (102, 115132), (110, 115171), (116, 115222), (124, 115303), (136, 115423), (137, 115426),

Gene: Melvin_83 Start: 47912, Stop: 47424, Start Num: 52
Candidate Starts for Melvin_83:
(Start: 52 @47912 has 3 MA's), (Start: 59 @47894 has 156 MA's), (Start: 63 @47885 has 1 MA's), (Start: 67 @47882 has 23 MA's), (Start: 76 @47864 has 20 MA's), (90, 47825), (108, 47690), (121, 47573),

Gene: Millski_80 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for Millski_80:
(13, 48131), (Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Milly_82 Start: 53316, Stop: 53885, Start Num: 71
Candidate Starts for Milly_82:
(Start: 71 @53316 has 12 MA's), (Start: 74 @53325 has 5 MA's), (86, 53355), (98, 53427), (103, 53472), (108, 53499), (109, 53502), (116, 53562), (149, 53826), (151, 53841),

Gene: MinecraftSteve_88 Start: 47100, Stop: 46633, Start Num: 60
Candidate Starts for MinecraftSteve_88:
(Start: 60 @47100 has 14 MA's), (Start: 74 @47088 has 5 MA's), (90, 47049), (93, 47034),

Gene: Miramae_81 Start: 47833, Stop: 47345, Start Num: 52
Candidate Starts for Miramae_81:
(Start: 52 @47833 has 3 MA's), (Start: 59 @47815 has 156 MA's), (Start: 74 @47788 has 5 MA's), (Start: 76 @47782 has 20 MA's), (93, 47728), (96, 47713), (108, 47608), (121, 47491),

Gene: MissDaisy_78 Start: 49211, Stop: 49774, Start Num: 70
Candidate Starts for MissDaisy_78:
(Start: 67 @49202 has 23 MA's), (Start: 70 @49211 has 12 MA's), (72, 49220), (Start: 74 @49226 has 5 MA's), (93, 49280), (96, 49295), (103, 49373), (108, 49400), (116, 49463), (124, 49541), (152, 49742),

Gene: Mitti_81 Start: 51367, Stop: 51951, Start Num: 67
Candidate Starts for Mitti_81:
(26, 51178), (33, 51229), (39, 51283), (45, 51313), (Start: 62 @51358 has 41 MA's), (Start: 67 @51367 has 23 MA's), (Start: 70 @51376 has 12 MA's), (Start: 74 @51391 has 5 MA's), (96, 51460), (103, 51538), (108, 51565), (116, 51628), (124, 51706), (148, 51880), (152, 51919),

Gene: Morpher26_77 Start: 47538, Stop: 47071, Start Num: 59
Candidate Starts for Morpher26_77:
(Start: 52 @47556 has 3 MA's), (Start: 59 @47538 has 156 MA's), (Start: 63 @47529 has 1 MA's), (Start: 67 @47526 has 23 MA's), (Start: 76 @47508 has 20 MA's), (90, 47469), (108, 47334), (116, 47271), (121, 47217),

Gene: Morrow_83 Start: 47939, Stop: 47469, Start Num: 59
Candidate Starts for Morrow_83:
(Start: 52 @47957 has 3 MA's), (Start: 59 @47939 has 156 MA's), (Start: 63 @47930 has 1 MA's), (Start: 67 @47927 has 23 MA's), (Start: 76 @47909 has 20 MA's), (90, 47870), (103, 47762), (108, 47735), (116, 47672), (121, 47618),

Gene: Mufasa_81 Start: 52782, Stop: 53354, Start Num: 71
Candidate Starts for Mufasa_81:
(Start: 71 @52782 has 12 MA's), (Start: 74 @52794 has 5 MA's), (103, 52941), (108, 52968), (109, 52971), (116, 53031), (149, 53295), (151, 53310),

Gene: Mundrea_79 Start: 47777, Stop: 47307, Start Num: 59
Candidate Starts for Mundrea_79:
(Start: 52 @47795 has 3 MA's), (Start: 59 @47777 has 156 MA's), (Start: 74 @47750 has 5 MA's), (Start: 76 @47744 has 20 MA's), (93, 47690), (96, 47675), (108, 47570), (121, 47453),

Gene: Muntaha_214 Start: 105868, Stop: 106320, Start Num: 76
Candidate Starts for Muntaha_214:
(Start: 76 @105868 has 20 MA's), (84, 105892), (88, 105907), (89, 105910), (101, 106000), (104, 106018), (110, 106051), (131, 106252), (137, 106309),

Gene: Murucutumbu_77 Start: 51702, Stop: 52163, Start Num: 66
Candidate Starts for Murucutumbu_77:
(46, 51651), (51, 51669), (Start: 66 @51702 has 2 MA's), (Start: 74 @51729 has 5 MA's), (78, 51738), (96, 51798), (101, 51861), (102, 51873), (108, 51903), (109, 51906), (124, 52044), (134, 52140), (135, 52143),

Gene: Mynx_78 Start: 51192, Stop: 51653, Start Num: 64
Candidate Starts for Mynx_78:
(Start: 64 @51192 has 65 MA's), (Start: 74 @51219 has 5 MA's), (78, 51228), (96, 51288), (101, 51351), (108, 51393), (109, 51396), (124, 51534), (134, 51630), (135, 51633),

Gene: Myrna_230 Start: 134129, Stop: 134599, Start Num: 70
Candidate Starts for Myrna_230:
(Start: 70 @134129 has 12 MA's), (Start: 74 @134144 has 5 MA's), (103, 134291), (108, 134318), (116, 134378),

Gene: Nebs_82 Start: 47939, Stop: 47469, Start Num: 59
Candidate Starts for Nebs_82:
(Start: 52 @47957 has 3 MA's), (Start: 59 @47939 has 156 MA's), (Start: 63 @47930 has 1 MA's), (Start: 67 @47927 has 23 MA's), (Start: 76 @47909 has 20 MA's), (90, 47870), (108, 47735), (121, 47618),

Gene: Nebulosus_84 Start: 46606, Stop: 46139, Start Num: 60
Candidate Starts for Nebulosus_84:
(Start: 60 @46606 has 14 MA's), (Start: 74 @46594 has 5 MA's), (90, 46555), (93, 46540),

Gene: Neeharika16_83 Start: 46108, Stop: 45656, Start Num: 62
Candidate Starts for Neeharika16_83:
(Start: 62 @46108 has 41 MA's), (Start: 74 @46081 has 5 MA's), (96, 46015), (103, 45937), (124, 45769),

Gene: Nemo27_80 Start: 47895, Stop: 47425, Start Num: 59

Candidate Starts for Nemo27_80:
(Start: 52 @47913 has 3 MA's), (Start: 59 @47895 has 156 MA's), (Start: 63 @47886 has 1 MA's), (Start: 67 @47883 has 23 MA's), (Start: 76 @47865 has 20 MA's), (90, 47826), (108, 47691), (121, 47574),

Gene: Newrala_83 Start: 46453, Stop: 45992, Start Num: 62
Candidate Starts for Newrala_83:
(Start: 62 @46453 has 41 MA's), (Start: 74 @46426 has 5 MA's), (94, 46366), (103, 46273), (124, 46105),

Gene: Nibb_78 Start: 50412, Stop: 50990, Start Num: 36
Candidate Starts for Nibb_78:
(Start: 36 @50412 has 16 MA's), (69, 50535), (Start: 74 @50556 has 5 MA's), (Start: 76 @50562 has 20 MA's), (102, 50700), (103, 50703), (108, 50730), (116, 50793), (124, 50871), (135, 50970),

Gene: Niklas_80 Start: 51901, Stop: 52464, Start Num: 35
Candidate Starts for Niklas_80:
(Start: 35 @51901 has 12 MA's), (38, 51931), (Start: 67 @52009 has 23 MA's), (Start: 74 @52030 has 5 MA's), (Start: 76 @52036 has 20 MA's), (96, 52099), (98, 52132), (102, 52174), (103, 52177), (109, 52207), (116, 52267), (124, 52345), (134, 52441), (135, 52444),

Gene: NoShow_78 Start: 51191, Stop: 51799, Start Num: 18
Candidate Starts for NoShow_78:
(Start: 18 @51191 has 1 MA's), (34, 51266), (58, 51320), (Start: 66 @51332 has 2 MA's), (Start: 74 @51359 has 5 MA's), (81, 51377), (103, 51506), (109, 51536), (116, 51593),

Gene: Nodigi_40 Start: 28027, Stop: 27425, Start Num: 22
Candidate Starts for Nodigi_40:
(14, 28057), (Start: 22 @28027 has 14 MA's), (51, 27943), (Start: 74 @27886 has 5 MA's), (103, 27739), (105, 27733), (109, 27709), (116, 27652), (132, 27469),

Gene: Noelle_78 Start: 47735, Stop: 47277, Start Num: 63
Candidate Starts for Noelle_78:
(7, 48020), (16, 47960), (Start: 52 @47762 has 3 MA's), (Start: 59 @47744 has 156 MA's), (Start: 63 @47735 has 1 MA's), (Start: 67 @47732 has 23 MA's), (Start: 76 @47714 has 20 MA's), (90, 47675), (108, 47540), (121, 47423),

Gene: NorthStar_78 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for NorthStar_78:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: NotAPhaseMom_80 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for NotAPhaseMom_80:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Nyxis_80 Start: 47781, Stop: 47308, Start Num: 59
Candidate Starts for Nyxis_80:
(Start: 52 @47799 has 3 MA's), (Start: 59 @47781 has 156 MA's), (77, 47748), (90, 47709), (93, 47694), (98, 47646), (108, 47574), (121, 47457),

Gene: OKCentral2016_79 Start: 46747, Stop: 46280, Start Num: 57
Candidate Starts for OKCentral2016_79:
(Start: 52 @46762 has 3 MA's), (Start: 57 @46747 has 8 MA's), (Start: 66 @46732 has 2 MA's), (Start: 74 @46720 has 5 MA's), (96, 46651), (103, 46573), (108, 46546), (121, 46429),

Gene: OKaNui_80 Start: 47950, Stop: 47480, Start Num: 59
Candidate Starts for OKaNui_80:
(Start: 52 @47968 has 3 MA's), (Start: 59 @47950 has 156 MA's), (Start: 63 @47941 has 1 MA's), (Start: 67 @47938 has 23 MA's), (Start: 76 @47920 has 20 MA's), (90, 47881), (108, 47746), (121, 47629),

Gene: Obama12_82 Start: 48323, Stop: 47853, Start Num: 59
Candidate Starts for Obama12_82:
(Start: 52 @48341 has 3 MA's), (Start: 59 @48323 has 156 MA's), (Start: 63 @48314 has 1 MA's), (Start: 67 @48311 has 23 MA's), (Start: 76 @48293 has 20 MA's), (90, 48254), (108, 48119), (121, 48002),

Gene: Ohfah_82 Start: 47939, Stop: 47469, Start Num: 59
Candidate Starts for Ohfah_82:
(Start: 52 @47957 has 3 MA's), (Start: 59 @47939 has 156 MA's), (Start: 63 @47930 has 1 MA's), (Start: 67 @47927 has 23 MA's), (Start: 76 @47909 has 20 MA's), (90, 47870), (108, 47735), (121, 47618),

Gene: OmniCritical_81 Start: 51378, Stop: 51953, Start Num: 70
Candidate Starts for OmniCritical_81:
(26, 51180), (33, 51231), (39, 51285), (45, 51315), (Start: 62 @51360 has 41 MA's), (Start: 67 @51369 has 23 MA's), (Start: 70 @51378 has 12 MA's), (Start: 74 @51393 has 5 MA's), (96, 51462), (103, 51540), (108, 51567), (112, 51588), (116, 51630), (124, 51708), (148, 51882), (152, 51921),

Gene: Orla_40 Start: 28015, Stop: 27413, Start Num: 22
Candidate Starts for Orla_40:
(8, 28072), (9, 28066), (14, 28045), (Start: 22 @28015 has 14 MA's), (Start: 74 @27874 has 5 MA's), (103, 27727), (105, 27721), (109, 27697), (116, 27640),

Gene: Oscar_78 Start: 50636, Stop: 51223, Start Num: 36
Candidate Starts for Oscar_78:
(Start: 36 @50636 has 16 MA's), (44, 50693), (Start: 62 @50756 has 41 MA's), (Start: 74 @50789 has 5 MA's), (Start: 76 @50795 has 20 MA's), (96, 50858), (98, 50891), (103, 50936), (108, 50963), (116, 51026), (124, 51104), (135, 51203),

Gene: Padfoot_76 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Padfoot_76:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Padpat_80 Start: 50897, Stop: 51358, Start Num: 64
Candidate Starts for Padpat_80:
(Start: 64 @50897 has 65 MA's), (Start: 74 @50924 has 5 MA's), (78, 50933), (96, 50993), (101, 51056), (109, 51101), (124, 51239), (134, 51335), (135, 51338),

Gene: Palestino_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Palestino_80:

(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Patt_77 Start: 49361, Stop: 49933, Start Num: 67
Candidate Starts for Patt_77:
(26, 49163), (29, 49178), (33, 49214), (37, 49235), (39, 49262), (45, 49292), (Start: 67 @49361 has 23 MA's), (Start: 70 @49370 has 12 MA's), (Start: 74 @49385 has 5 MA's), (93, 49439), (96, 49454), (103, 49532), (108, 49559), (116, 49622), (124, 49700), (152, 49901),

Gene: PeaceMeal1_77 Start: 46674, Stop: 46210, Start Num: 59
Candidate Starts for PeaceMeal1_77:
(Start: 59 @46674 has 156 MA's), (Start: 63 @46665 has 1 MA's), (Start: 74 @46650 has 5 MA's), (121, 46359),

Gene: Peaches_79 Start: 47901, Stop: 47428, Start Num: 59
Candidate Starts for Peaches_79:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (77, 47868), (90, 47829), (93, 47814), (98, 47766), (108, 47694), (121, 47577),

Gene: Peanam_80 Start: 51859, Stop: 52422, Start Num: 35
Candidate Starts for Peanam_80:
(Start: 35 @51859 has 12 MA's), (38, 51889), (Start: 67 @51967 has 23 MA's), (Start: 74 @51988 has 5 MA's), (Start: 76 @51994 has 20 MA's), (96, 52057), (98, 52090), (102, 52132), (103, 52135), (109, 52165), (116, 52225), (124, 52303), (134, 52399), (135, 52402),

Gene: Peel_76 Start: 50463, Stop: 50924, Start Num: 64
Candidate Starts for Peel_76:
(Start: 64 @50463 has 65 MA's), (Start: 74 @50490 has 5 MA's), (78, 50499), (96, 50559), (101, 50622), (108, 50664), (109, 50667), (116, 50727), (124, 50805), (134, 50901), (135, 50904),

Gene: Perplexer_77 Start: 47518, Stop: 47051, Start Num: 59
Candidate Starts for Perplexer_77:
(Start: 52 @47536 has 3 MA's), (Start: 59 @47518 has 156 MA's), (Start: 63 @47509 has 1 MA's), (Start: 67 @47506 has 23 MA's), (Start: 76 @47488 has 20 MA's), (90, 47449), (108, 47314), (116, 47251), (121, 47197),

Gene: PeterPeter_81 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for PeterPeter_81:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: PetiteSangsue_77 Start: 47521, Stop: 47054, Start Num: 59
Candidate Starts for PetiteSangsue_77:
(Start: 52 @47539 has 3 MA's), (Start: 59 @47521 has 156 MA's), (Start: 63 @47512 has 1 MA's), (Start: 67 @47509 has 23 MA's), (Start: 76 @47491 has 20 MA's), (90, 47452), (108, 47317), (116, 47254), (121, 47200),

Gene: Phabba_240 Start: 133855, Stop: 134328, Start Num: 70
Candidate Starts for Phabba_240:
(Start: 70 @133855 has 12 MA's), (Start: 74 @133870 has 5 MA's), (103, 134017), (116, 134104), (124, 134206), (135, 134308),

Gene: Phacado_81 Start: 47895, Stop: 47425, Start Num: 59
Candidate Starts for Phacado_81:
(Start: 52 @47913 has 3 MA's), (Start: 59 @47895 has 156 MA's), (Start: 63 @47886 has 1 MA's), (Start: 67 @47883 has 23 MA's), (Start: 76 @47865 has 20 MA's), (90, 47826), (108, 47691), (121, 47574),

Gene: Phaded_78 Start: 48717, Stop: 48247, Start Num: 59
Candidate Starts for Phaded_78:
(Start: 59 @48717 has 156 MA's), (Start: 63 @48708 has 1 MA's), (Start: 74 @48693 has 5 MA's), (87, 48657), (116, 48453),

Gene: Pharb_77 Start: 50633, Stop: 51190, Start Num: 70
Candidate Starts for Pharb_77:
(Start: 70 @50633 has 12 MA's), (Start: 74 @50648 has 5 MA's), (96, 50717), (97, 50720), (103, 50795), (116, 50885), (129, 51017), (145, 51113), (147, 51125), (150, 51140), (154, 51182),

Gene: Phelipe_81 Start: 47860, Stop: 47345, Start Num: 59
Candidate Starts for Phelipe_81:
(Start: 52 @47878 has 3 MA's), (Start: 59 @47860 has 156 MA's), (Start: 63 @47851 has 1 MA's), (Start: 67 @47848 has 23 MA's), (Start: 76 @47830 has 20 MA's), (90, 47791), (108, 47656), (121, 47539),

Gene: PhelpsODU_81 Start: 51079, Stop: 51651, Start Num: 67
Candidate Starts for PhelpsODU_81:
(Start: 67 @51079 has 23 MA's), (Start: 74 @51100 has 5 MA's), (96, 51169), (98, 51202), (100, 51223), (103, 51247), (109, 51277), (116, 51337), (124, 51415), (129, 51469), (132, 51493), (153, 51631),

Gene: Phighter1804_81 Start: 47960, Stop: 47490, Start Num: 59
Candidate Starts for Phighter1804_81:
(Start: 52 @47978 has 3 MA's), (Start: 59 @47960 has 156 MA's), (Start: 63 @47951 has 1 MA's), (Start: 67 @47948 has 23 MA's), (Start: 76 @47930 has 20 MA's), (90, 47891), (108, 47756), (121, 47639),

Gene: Phontbonne_81 Start: 47797, Stop: 47324, Start Num: 59
Candidate Starts for Phontbonne_81:
(Start: 52 @47815 has 3 MA's), (Start: 59 @47797 has 156 MA's), (77, 47764), (90, 47725), (93, 47710), (98, 47662), (108, 47590), (121, 47473),

Gene: Phrank_82 Start: 50939, Stop: 51511, Start Num: 67
Candidate Starts for Phrank_82:
(Start: 67 @50939 has 23 MA's), (Start: 74 @50960 has 5 MA's), (96, 51029), (98, 51062), (100, 51083), (103, 51107), (109, 51137), (116, 51197), (124, 51275), (129, 51329), (132, 51353), (140, 51404), (153, 51491),

Gene: Phredrick_245 Start: 114858, Stop: 115313, Start Num: 76
Candidate Starts for Phredrick_245:
(Start: 76 @114858 has 20 MA's), (88, 114897), (93, 114912), (101, 114996), (102, 115008), (110, 115047), (136, 115299), (137, 115302),

Gene: Piatt_75 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for Piatt_75:

(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Pipcraft_77 Start: 47900, Stop: 47430, Start Num: 59
Candidate Starts for Pipcraft_77:
(Start: 52 @47918 has 3 MA's), (Start: 59 @47900 has 156 MA's), (Start: 63 @47891 has 1 MA's), (Start: 67 @47888 has 23 MA's), (Start: 76 @47870 has 20 MA's), (90, 47831), (108, 47696), (121, 47579),

Gene: Pixie_78 Start: 50938, Stop: 51501, Start Num: 36
Candidate Starts for Pixie_78:
(Start: 36 @50938 has 16 MA's), (43, 50995), (49, 51019), (Start: 74 @51070 has 5 MA's), (Start: 76 @51076 has 20 MA's), (87, 51106), (96, 51139), (98, 51172), (103, 51217), (114, 51280), (116, 51307), (129, 51439),

Gene: Pmask_83 Start: 46654, Stop: 46193, Start Num: 62
Candidate Starts for Pmask_83:
(Start: 62 @46654 has 41 MA's), (Start: 74 @46627 has 5 MA's), (94, 46567), (103, 46474), (124, 46306),

Gene: Pokerus_77 Start: 50906, Stop: 51367, Start Num: 64
Candidate Starts for Pokerus_77:
(Start: 64 @50906 has 65 MA's), (Start: 74 @50933 has 5 MA's), (78, 50942), (96, 51002), (101, 51065), (108, 51107), (109, 51110), (124, 51248), (134, 51344), (135, 51347),

Gene: Polymorphads_82 Start: 47920, Stop: 47450, Start Num: 59
Candidate Starts for Polymorphads_82:
(Start: 52 @47938 has 3 MA's), (Start: 59 @47920 has 156 MA's), (Start: 63 @47911 has 1 MA's), (Start: 67 @47908 has 23 MA's), (Start: 76 @47890 has 20 MA's), (90, 47851), (103, 47743), (108, 47716), (116, 47653), (121, 47599),

Gene: Pons_36 Start: 27367, Stop: 26651, Start Num: 19
Candidate Starts for Pons_36:
(2, 27496), (Start: 5 @27451 has 1 MA's), (10, 27421), (11, 27415), (Start: 19 @27367 has 8 MA's), (24, 27361), (82, 27103), (87, 27079), (91, 27067), (99, 26986), (105, 26950), (113, 26896), (118, 26857), (120, 26845), (121, 26815), (131, 26704),

Gene: Poompha_77 Start: 46672, Stop: 46208, Start Num: 59
Candidate Starts for Poompha_77:
(Start: 59 @46672 has 156 MA's), (Start: 63 @46663 has 1 MA's), (Start: 74 @46648 has 5 MA's), (121, 46357),

Gene: PotPie_35 Start: 28313, Stop: 27627, Start Num: 22
Candidate Starts for PotPie_35:
(Start: 3 @28415 has 1 MA's), (Start: 22 @28313 has 14 MA's), (82, 28079), (85, 28064), (91, 28043), (101, 27947), (102, 27935), (105, 27926), (113, 27872), (118, 27833), (120, 27821), (121, 27791),

Gene: Prithvi_79 Start: 50926, Stop: 51387, Start Num: 64
Candidate Starts for Prithvi_79:
(Start: 64 @50926 has 65 MA's), (Start: 74 @50953 has 5 MA's), (78, 50962), (96, 51022), (101, 51085), (109, 51130), (124, 51268), (134, 51364), (135, 51367),

Gene: Pukovnik_79 Start: 48185, Stop: 47718, Start Num: 59

Candidate Starts for Pukovnik_79:
(Start: 59 @48185 has 156 MA's), (Start: 63 @48176 has 1 MA's), (Start: 67 @48173 has 23 MA's), (Start: 74 @48161 has 5 MA's), (Start: 76 @48155 has 20 MA's), (96, 48086), (103, 48008), (121, 47867),

Gene: Pumbaa_81 Start: 47844, Stop: 47374, Start Num: 59
Candidate Starts for Pumbaa_81:
(Start: 52 @47862 has 3 MA's), (Start: 59 @47844 has 156 MA's), (Start: 63 @47835 has 1 MA's), (Start: 67 @47832 has 23 MA's), (Start: 76 @47814 has 20 MA's), (90, 47775), (103, 47667), (108, 47640), (116, 47577), (121, 47523),

Gene: Qhanda_83 Start: 51228, Stop: 51812, Start Num: 67
Candidate Starts for Qhanda_83:
(26, 51039), (33, 51090), (39, 51144), (45, 51174), (Start: 62 @51219 has 41 MA's), (Start: 67 @51228 has 23 MA's), (Start: 70 @51237 has 12 MA's), (Start: 74 @51252 has 5 MA's), (96, 51321), (103, 51399), (104, 51402), (108, 51426), (112, 51447), (116, 51489), (124, 51567), (148, 51741), (152, 51780),

Gene: Ramen_77 Start: 50227, Stop: 50688, Start Num: 64
Candidate Starts for Ramen_77:
(Start: 64 @50227 has 65 MA's), (Start: 74 @50254 has 5 MA's), (78, 50263), (96, 50323), (101, 50386), (108, 50428), (109, 50431), (124, 50569), (134, 50665), (135, 50668),

Gene: RanchParmCat_38 Start: 27186, Stop: 26581, Start Num: 22
Candidate Starts for RanchParmCat_38:
(Start: 22 @27186 has 14 MA's), (Start: 52 @27096 has 3 MA's), (69, 27063), (Start: 74 @27042 has 5 MA's), (87, 27006), (96, 26973), (103, 26895), (105, 26889), (109, 26865), (116, 26808), (135, 26604),

Gene: Rapunzel97_79 Start: 50878, Stop: 51339, Start Num: 64
Candidate Starts for Rapunzel97_79:
(Start: 64 @50878 has 65 MA's), (Start: 74 @50905 has 5 MA's), (78, 50914), (96, 50974), (101, 51037), (108, 51079), (109, 51082), (124, 51220), (134, 51316), (135, 51319),

Gene: ReMo_85 Start: 47046, Stop: 46579, Start Num: 60
Candidate Starts for ReMo_85:
(Start: 60 @47046 has 14 MA's), (Start: 74 @47034 has 5 MA's), (90, 46995), (93, 46980),

Gene: Rebeuca_81 Start: 47942, Stop: 47478, Start Num: 59
Candidate Starts for Rebeuca_81:
(Start: 59 @47942 has 156 MA's), (Start: 63 @47933 has 1 MA's), (Start: 74 @47918 has 5 MA's), (116, 47681),

Gene: Relief_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Relief_80:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Reptar3000_78 Start: 49350, Stop: 49922, Start Num: 67
Candidate Starts for Reptar3000_78:
(26, 49152), (29, 49167), (33, 49203), (37, 49224), (39, 49251), (45, 49281), (Start: 67 @49350 has 23 MA's), (Start: 70 @49359 has 12 MA's), (Start: 74 @49374 has 5 MA's), (93, 49428), (96, 49443), (103, 49521), (108, 49548), (116, 49611), (124, 49689), (152, 49890),

Gene: RhynO_68 Start: 43272, Stop: 42805, Start Num: 59
Candidate Starts for RhynO_68:
(Start: 59 @43272 has 156 MA's), (Start: 63 @43263 has 1 MA's), (Start: 74 @43245 has 5 MA's), (95, 43179), (103, 43098), (108, 43071), (121, 42954),

Gene: Richo_79 Start: 51840, Stop: 52403, Start Num: 35
Candidate Starts for Richo_79:
(Start: 35 @51840 has 12 MA's), (38, 51870), (Start: 67 @51948 has 23 MA's), (Start: 74 @51969 has 5 MA's), (Start: 76 @51975 has 20 MA's), (96, 52038), (98, 52071), (102, 52113), (103, 52116), (109, 52146), (116, 52206), (124, 52284), (134, 52380), (135, 52383),

Gene: Rifter_86 Start: 45665, Stop: 45204, Start Num: 62
Candidate Starts for Rifter_86:
(Start: 62 @45665 has 41 MA's), (Start: 74 @45638 has 5 MA's), (94, 45578), (103, 45485), (120, 45371), (124, 45317),

Gene: RockieBear_78 Start: 47901, Stop: 47428, Start Num: 59
Candidate Starts for RockieBear_78:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (77, 47868), (90, 47829), (93, 47814), (98, 47766), (108, 47694), (121, 47577),

Gene: Roksolana_86 Start: 46381, Stop: 45920, Start Num: 62
Candidate Starts for Roksolana_86:
(Start: 62 @46381 has 41 MA's), (Start: 74 @46354 has 5 MA's), (94, 46294), (103, 46201), (120, 46087),

Gene: Romney_80 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Romney_80:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Roosevelt_79 Start: 47901, Stop: 47431, Start Num: 59
Candidate Starts for Roosevelt_79:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (Start: 63 @47892 has 1 MA's), (Start: 67 @47889 has 23 MA's), (Start: 76 @47871 has 20 MA's), (90, 47832), (103, 47724), (108, 47697), (116, 47634), (121, 47580),

Gene: Rosa24_77 Start: 47918, Stop: 47457, Start Num: 63
Candidate Starts for Rosa24_77:
(Start: 52 @47945 has 3 MA's), (Start: 59 @47927 has 156 MA's), (Start: 63 @47918 has 1 MA's), (Start: 67 @47915 has 23 MA's), (Start: 76 @47897 has 20 MA's), (90, 47858), (108, 47723), (121, 47606),

Gene: Rosmarinus_76 Start: 50449, Stop: 50910, Start Num: 64
Candidate Starts for Rosmarinus_76:
(Start: 64 @50449 has 65 MA's), (Start: 74 @50476 has 5 MA's), (78, 50485), (96, 50545), (101, 50608), (108, 50650), (109, 50653), (116, 50713), (124, 50791), (134, 50887), (135, 50890),

Gene: Rowdy_82 Start: 47658, Stop: 47191, Start Num: 59
Candidate Starts for Rowdy_82:

(Start: 59 @47658 has 156 MA's), (Start: 63 @47649 has 1 MA's), (Start: 74 @47631 has 5 MA's), (103, 47484), (108, 47457), (118, 47382), (121, 47340),

Gene: Ruin_81 Start: 47892, Stop: 47422, Start Num: 59
Candidate Starts for Ruin_81:
(Start: 52 @47910 has 3 MA's), (Start: 59 @47892 has 156 MA's), (Start: 63 @47883 has 1 MA's), (Start: 67 @47880 has 23 MA's), (Start: 76 @47862 has 20 MA's), (90, 47823), (108, 47688), (121, 47571),

Gene: Ruthiejr_82 Start: 51254, Stop: 51847, Start Num: 62
Candidate Starts for Ruthiejr_82:
(26, 51074), (33, 51125), (39, 51179), (45, 51209), (Start: 62 @51254 has 41 MA's), (Start: 67 @51263 has 23 MA's), (Start: 70 @51272 has 12 MA's), (Start: 74 @51287 has 5 MA's), (96, 51356), (103, 51434), (108, 51461), (112, 51482), (116, 51524), (148, 51776), (152, 51815), (154, 51839),

Gene: Sabertooth_81 Start: 47904, Stop: 47434, Start Num: 59
Candidate Starts for Sabertooth_81:
(Start: 52 @47922 has 3 MA's), (Start: 59 @47904 has 156 MA's), (Start: 63 @47895 has 1 MA's), (Start: 67 @47892 has 23 MA's), (Start: 76 @47874 has 20 MA's), (90, 47835), (108, 47700), (121, 47583),

Gene: SamScheppers_80 Start: 51574, Stop: 52149, Start Num: 70
Candidate Starts for SamScheppers_80:
(26, 51367), (29, 51382), (33, 51418), (37, 51439), (39, 51466), (45, 51496), (Start: 62 @51556 has 41 MA's), (Start: 67 @51565 has 23 MA's), (Start: 70 @51574 has 12 MA's), (Start: 74 @51589 has 5 MA's), (96, 51658), (103, 51736), (108, 51763), (116, 51826), (124, 51904), (148, 52078), (150, 52093), (152, 52117),

Gene: SamuelLPlaqson_76 Start: 50854, Stop: 51315, Start Num: 64
Candidate Starts for SamuelLPlaqson_76:
(Start: 64 @50854 has 65 MA's), (Start: 74 @50881 has 5 MA's), (78, 50890), (87, 50917), (96, 50950), (101, 51013), (109, 51058), (124, 51196), (134, 51292), (135, 51295),

Gene: Scamp_81 Start: 47901, Stop: 47431, Start Num: 59
Candidate Starts for Scamp_81:
(Start: 52 @47919 has 3 MA's), (Start: 59 @47901 has 156 MA's), (Start: 63 @47892 has 1 MA's), (Start: 67 @47889 has 23 MA's), (Start: 76 @47871 has 20 MA's), (90, 47832), (108, 47697), (121, 47580),

Gene: Scarlett_79 Start: 50972, Stop: 51559, Start Num: 36
Candidate Starts for Scarlett_79:
(Start: 36 @50972 has 16 MA's), (44, 51029), (Start: 62 @51092 has 41 MA's), (Start: 74 @51125 has 5 MA's), (Start: 76 @51131 has 20 MA's), (96, 51194), (98, 51227), (103, 51272), (108, 51299), (116, 51362), (124, 51440), (135, 51539),

Gene: ScoobyDoobyDoo_227 Start: 131341, Stop: 131811, Start Num: 70
Candidate Starts for ScoobyDoobyDoo_227:
(Start: 70 @131341 has 12 MA's), (Start: 74 @131356 has 5 MA's), (103, 131503), (116, 131590), (124, 131692), (134, 131788),

Gene: SenorClean_82 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for SenorClean_82:

(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: SeresaTree_242 Start: 116481, Stop: 116939, Start Num: 76
Candidate Starts for SeresaTree_242:
(55, 116427), (Start: 76 @116481 has 20 MA's), (88, 116520), (106, 116649), (110, 116670), (126, 116829), (128, 116844), (136, 116925),

Gene: Severus_78 Start: 46672, Stop: 46208, Start Num: 59
Candidate Starts for Severus_78:
(Start: 59 @46672 has 156 MA's), (Start: 63 @46663 has 1 MA's), (Start: 74 @46648 has 5 MA's), (121, 46357),

Gene: Shadow1_83 Start: 51593, Stop: 52159, Start Num: 35
Candidate Starts for Shadow1_83:
(Start: 35 @51593 has 12 MA's), (38, 51623), (61, 51692), (Start: 67 @51704 has 23 MA's), (Start: 74 @51725 has 5 MA's), (87, 51761), (98, 51827), (103, 51872), (116, 51962), (124, 52040), (129, 52094), (135, 52139),

Gene: Shaka_79 Start: 47897, Stop: 47427, Start Num: 59
Candidate Starts for Shaka_79:
(Start: 52 @47915 has 3 MA's), (Start: 59 @47897 has 156 MA's), (Start: 63 @47888 has 1 MA's), (Start: 67 @47885 has 23 MA's), (Start: 76 @47867 has 20 MA's), (90, 47828), (103, 47720), (108, 47693), (116, 47630), (121, 47576),

Gene: Shaobing_79 Start: 51876, Stop: 52439, Start Num: 35
Candidate Starts for Shaobing_79:
(Start: 35 @51876 has 12 MA's), (38, 51906), (Start: 67 @51984 has 23 MA's), (Start: 74 @52005 has 5 MA's), (Start: 76 @52011 has 20 MA's), (96, 52074), (98, 52107), (102, 52149), (103, 52152), (109, 52182), (116, 52242), (124, 52320), (134, 52416), (135, 52419),

Gene: Shapes_82 Start: 47658, Stop: 47191, Start Num: 59
Candidate Starts for Shapes_82:
(Start: 59 @47658 has 156 MA's), (Start: 63 @47649 has 1 MA's), (Start: 74 @47631 has 5 MA's), (103, 47484), (108, 47457), (118, 47382), (121, 47340),

Gene: ShayRa_85 Start: 45678, Stop: 45211, Start Num: 60
Candidate Starts for ShayRa_85:
(Start: 60 @45678 has 14 MA's), (Start: 74 @45666 has 5 MA's), (90, 45627), (93, 45612),

Gene: SheckWes_37 Start: 26888, Stop: 26202, Start Num: 19
Candidate Starts for SheckWes_37:
(Start: 5 @26972 has 1 MA's), (10, 26942), (11, 26936), (Start: 19 @26888 has 8 MA's), (24, 26882), (82, 26654), (91, 26618), (105, 26501), (113, 26447), (118, 26408), (120, 26396), (121, 26366), (131, 26255),

Gene: ShedlockHolmes_81 Start: 51455, Stop: 52018, Start Num: 36
Candidate Starts for ShedlockHolmes_81:
(Start: 36 @51455 has 16 MA's), (43, 51512), (49, 51536), (Start: 74 @51587 has 5 MA's), (Start: 76 @51593 has 20 MA's), (87, 51623), (96, 51656), (98, 51689), (103, 51734), (114, 51797), (116, 51824), (129, 51956),

Gene: Sheen_78 Start: 49775, Stop: 49302, Start Num: 57
Candidate Starts for Sheen_78:
(54, 49787), (Start: 57 @49775 has 8 MA's), (Start: 74 @49742 has 5 MA's), (87, 49706), (96, 49673), (103, 49595), (108, 49568), (116, 49505), (120, 49481), (134, 49325), (135, 49322),

Gene: SheldonCooper_81 Start: 48337, Stop: 47867, Start Num: 59
Candidate Starts for SheldonCooper_81:
(Start: 52 @48355 has 3 MA's), (Start: 59 @48337 has 156 MA's), (Start: 63 @48328 has 1 MA's), (Start: 67 @48325 has 23 MA's), (Start: 76 @48307 has 20 MA's), (90, 48268), (108, 48133), (121, 48016),

Gene: ShiaSurprise_77 Start: 50658, Stop: 51119, Start Num: 64
Candidate Starts for ShiaSurprise_77:
(Start: 64 @50658 has 65 MA's), (Start: 74 @50685 has 5 MA's), (78, 50694), (96, 50754), (101, 50817), (108, 50859), (109, 50862), (116, 50922), (124, 51000), (134, 51096), (135, 51099),

Gene: Shygu2_79 Start: 47843, Stop: 47373, Start Num: 59
Candidate Starts for Shygu2_79:
(Start: 52 @47861 has 3 MA's), (Start: 59 @47843 has 156 MA's), (Start: 63 @47834 has 1 MA's), (Start: 67 @47831 has 23 MA's), (Start: 76 @47813 has 20 MA's), (90, 47774), (108, 47639), (121, 47522),

Gene: SirPhilip_90 Start: 57157, Stop: 57723, Start Num: 35
Candidate Starts for SirPhilip_90:
(Start: 35 @57157 has 12 MA's), (43, 57214), (50, 57241), (Start: 74 @57289 has 5 MA's), (Start: 76 @57295 has 20 MA's), (96, 57358), (98, 57391), (103, 57436), (108, 57463), (116, 57526), (124, 57604),

Gene: Skipitt_80 Start: 47911, Stop: 47423, Start Num: 52
Candidate Starts for Skipitt_80:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: Slarp_81 Start: 51231, Stop: 51815, Start Num: 67
Candidate Starts for Slarp_81:
(26, 51042), (33, 51093), (39, 51147), (45, 51177), (Start: 62 @51222 has 41 MA's), (Start: 67 @51231 has 23 MA's), (Start: 70 @51240 has 12 MA's), (Start: 74 @51255 has 5 MA's), (96, 51324), (103, 51402), (104, 51405), (108, 51429), (112, 51450), (116, 51492), (124, 51570), (148, 51744), (152, 51783),

Gene: Slimphazie_78 Start: 50878, Stop: 51339, Start Num: 64
Candidate Starts for Slimphazie_78:
(Start: 64 @50878 has 65 MA's), (Start: 74 @50905 has 5 MA's), (78, 50914), (96, 50974), (101, 51037), (108, 51079), (109, 51082), (124, 51220), (134, 51316), (135, 51319),

Gene: SmellyB_84 Start: 46012, Stop: 45551, Start Num: 62
Candidate Starts for SmellyB_84:
(Start: 62 @46012 has 41 MA's), (Start: 74 @45985 has 5 MA's), (94, 45925), (103, 45832), (124, 45664),

Gene: SororFago_83 Start: 47758, Stop: 47291, Start Num: 67
Candidate Starts for SororFago_83:

(Start: 67 @47758 has 23 MA's), (Start: 74 @47746 has 5 MA's), (108, 47566), (112, 47545), (116, 47506), (125, 47416), (127, 47395),

Gene: SparkleGoddess_238 Start: 115994, Stop: 116452, Start Num: 76
Candidate Starts for SparkleGoddess_238:
(Start: 75 @115991 has 2 MA's), (Start: 76 @115994 has 20 MA's), (88, 116033), (101, 116132), (104, 116150), (110, 116183), (114, 116210), (124, 116318), (136, 116438), (137, 116441),

Gene: Sparxx_82 Start: 47895, Stop: 47425, Start Num: 59
Candidate Starts for Sparxx_82:
(Start: 52 @47913 has 3 MA's), (Start: 59 @47895 has 156 MA's), (Start: 63 @47886 has 1 MA's), (Start: 67 @47883 has 23 MA's), (Start: 76 @47865 has 20 MA's), (90, 47826), (103, 47718), (108, 47691), (116, 47628), (121, 47574),

Gene: Spino_80 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for Spino_80:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Spock_76 Start: 50462, Stop: 50923, Start Num: 64
Candidate Starts for Spock_76:
(Start: 64 @50462 has 65 MA's), (Start: 74 @50489 has 5 MA's), (78, 50498), (96, 50558), (101, 50621), (108, 50663), (109, 50666), (116, 50726), (124, 50804), (134, 50900), (135, 50903),

Gene: Stasia_78 Start: 47849, Stop: 47385, Start Num: 59
Candidate Starts for Stasia_78:
(Start: 59 @47849 has 156 MA's), (Start: 63 @47840 has 1 MA's), (Start: 74 @47825 has 5 MA's), (96, 47756),

Gene: SteMason_77 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for SteMason_77:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Stigma_236 Start: 115959, Stop: 116417, Start Num: 76
Candidate Starts for Stigma_236:
(Start: 75 @115956 has 2 MA's), (Start: 76 @115959 has 20 MA's), (88, 115998), (101, 116097), (104, 116115), (110, 116148), (114, 116175), (124, 116283), (136, 116403), (137, 116406),

Gene: Stink_81 Start: 48123, Stop: 47653, Start Num: 59
Candidate Starts for Stink_81:
(Start: 52 @48141 has 3 MA's), (Start: 59 @48123 has 156 MA's), (Start: 67 @48108 has 23 MA's), (Start: 74 @48096 has 5 MA's), (Start: 76 @48090 has 20 MA's), (93, 48036), (96, 48021), (108, 47916), (121, 47799),

Gene: Strobilo_83 Start: 53322, Stop: 53891, Start Num: 71
Candidate Starts for Strobilo_83:
(Start: 71 @53322 has 12 MA's), (Start: 74 @53331 has 5 MA's), (86, 53361), (98, 53433), (103, 53478), (108, 53505), (109, 53508), (116, 53568), (149, 53832), (151, 53847),

Gene: Sultana_81 Start: 47896, Stop: 47426, Start Num: 59

Candidate Starts for Sultana_81:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: SummitAcademy_34 Start: 26942, Stop: 26226, Start Num: 19
Candidate Starts for SummitAcademy_34:
(1, 27092), (Start: 3 @27044 has 1 MA's), (10, 26996), (11, 26990), (Start: 19 @26942 has 8 MA's), (24, 26936), (82, 26678), (87, 26654), (91, 26642), (99, 26561), (105, 26525), (113, 26471), (118, 26432), (120, 26420), (121, 26390), (131, 26279),

Gene: Sunflower1121_82 Start: 51137, Stop: 51703, Start Num: 35
Candidate Starts for Sunflower1121_82:
(Start: 35 @51137 has 12 MA's), (38, 51167), (61, 51236), (Start: 67 @51248 has 23 MA's), (Start: 74 @51269 has 5 MA's), (87, 51305), (98, 51371), (103, 51416), (116, 51506), (124, 51584), (129, 51638), (135, 51683),

Gene: Sunhee_85 Start: 46182, Stop: 45712, Start Num: 67
Candidate Starts for Sunhee_85:
(Start: 67 @46182 has 23 MA's), (Start: 74 @46170 has 5 MA's), (103, 46017), (108, 45990), (112, 45969), (125, 45840), (134, 45744),

Gene: SuperAwesome_84 Start: 46693, Stop: 46232, Start Num: 62
Candidate Starts for SuperAwesome_84:
(Start: 62 @46693 has 41 MA's), (Start: 74 @46666 has 5 MA's), (94, 46606), (103, 46513), (124, 46345),

Gene: Switzerland_85 Start: 46647, Stop: 46180, Start Num: 60
Candidate Starts for Switzerland_85:
(Start: 60 @46647 has 14 MA's), (Start: 74 @46635 has 5 MA's), (90, 46596), (93, 46581),

Gene: Syra333_82 Start: 51468, Stop: 52034, Start Num: 35
Candidate Starts for Syra333_82:
(Start: 35 @51468 has 12 MA's), (38, 51498), (Start: 67 @51579 has 23 MA's), (Start: 74 @51600 has 5 MA's), (87, 51636), (98, 51702), (103, 51747), (116, 51837), (124, 51915), (129, 51969), (135, 52014),

Gene: TBond007_75 Start: 50937, Stop: 51500, Start Num: 36
Candidate Starts for TBond007_75:
(Start: 36 @50937 has 16 MA's), (43, 50994), (49, 51018), (Start: 74 @51069 has 5 MA's), (Start: 76 @51075 has 20 MA's), (87, 51105), (96, 51138), (98, 51171), (103, 51216), (114, 51279), (116, 51306), (129, 51438),

Gene: TClif_92 Start: 57429, Stop: 58010, Start Num: 71
Candidate Starts for TClif_92:
(Start: 71 @57429 has 12 MA's), (Start: 74 @57441 has 5 MA's), (Start: 76 @57447 has 20 MA's), (103, 57588), (108, 57615), (116, 57678), (132, 57834),

Gene: TM4_80 Start: 47753, Stop: 48331, Start Num: 71
Candidate Starts for TM4_80:
(Start: 71 @47753 has 12 MA's), (Start: 74 @47765 has 5 MA's), (103, 47912), (108, 47939), (109, 47942), (116, 48002), (144, 48245), (149, 48272), (151, 48287),

Gene: Tachez_76 Start: 50306, Stop: 50767, Start Num: 64
Candidate Starts for Tachez_76:
(Start: 64 @50306 has 65 MA's), (Start: 74 @50333 has 5 MA's), (78, 50342), (96, 50402), (101, 50465), (108, 50507), (109, 50510), (116, 50570), (124, 50648), (134, 50744), (135, 50747),

Gene: Taquarus_80 Start: 47905, Stop: 47432, Start Num: 59
Candidate Starts for Taquarus_80:
(Start: 52 @47923 has 3 MA's), (Start: 59 @47905 has 156 MA's), (77, 47872), (90, 47833), (93, 47818), (98, 47770), (108, 47698), (121, 47581),

Gene: Taquito_80 Start: 51265, Stop: 51849, Start Num: 67
Candidate Starts for Taquito_80:
(26, 51076), (33, 51127), (39, 51181), (45, 51211), (Start: 62 @51256 has 41 MA's), (Start: 67 @51265 has 23 MA's), (Start: 70 @51274 has 12 MA's), (Start: 74 @51289 has 5 MA's), (96, 51358), (103, 51436), (104, 51439), (108, 51463), (112, 51484), (116, 51526), (124, 51604), (148, 51778), (152, 51817),

Gene: Tarnish_35 Start: 27441, Stop: 26737, Start Num: 22
Candidate Starts for Tarnish_35:
(2, 27567), (Start: 22 @27441 has 14 MA's), (40, 27324), (82, 27204), (85, 27189), (91, 27168), (101, 27072), (102, 27060), (105, 27051), (118, 26958), (120, 26946), (121, 26916), (142, 26745),

Gene: Temprado_87 Start: 46485, Stop: 46024, Start Num: 62
Candidate Starts for Temprado_87:
(Start: 62 @46485 has 41 MA's), (Start: 74 @46458 has 5 MA's), (94, 46398), (103, 46305), (120, 46191),

Gene: Thanksgivukkah_80 Start: 47897, Stop: 47427, Start Num: 59
Candidate Starts for Thanksgivukkah_80:
(13, 48128), (Start: 52 @47915 has 3 MA's), (Start: 59 @47897 has 156 MA's), (Start: 63 @47888 has 1 MA's), (Start: 67 @47885 has 23 MA's), (Start: 76 @47867 has 20 MA's), (90, 47828), (108, 47693), (121, 47576),

Gene: Tierra_81 Start: 51365, Stop: 51937, Start Num: 67
Candidate Starts for Tierra_81:
(Start: 67 @51365 has 23 MA's), (Start: 74 @51386 has 5 MA's), (96, 51455), (98, 51488), (100, 51509), (103, 51533), (109, 51563), (116, 51623), (124, 51701), (129, 51755), (132, 51779), (140, 51830), (153, 51917),

Gene: Tigress9_83 Start: 51780, Stop: 52346, Start Num: 35
Candidate Starts for Tigress9_83:
(Start: 35 @51780 has 12 MA's), (38, 51810), (Start: 67 @51891 has 23 MA's), (Start: 74 @51912 has 5 MA's), (98, 52014), (103, 52059), (116, 52149), (124, 52227), (129, 52281), (135, 52326),

Gene: Timshel_78 Start: 49748, Stop: 49266, Start Num: 57
Candidate Starts for Timshel_78:
(20, 49943), (27, 49922), (Start: 52 @49763 has 3 MA's), (Start: 57 @49748 has 8 MA's), (Start: 62 @49739 has 41 MA's), (Start: 63 @49736 has 1 MA's), (Start: 70 @49721 has 12 MA's), (Start: 71 @49718 has 12 MA's), (73, 49709), (Start: 74 @49706 has 5 MA's), (87, 49670), (114, 49493), (115, 49484), (129, 49334), (130, 49331),

Gene: TinaFeyge_79 Start: 47894, Stop: 47424, Start Num: 59
Candidate Starts for TinaFeyge_79:

(Start: 52 @47912 has 3 MA's), (Start: 59 @47894 has 156 MA's), (Start: 63 @47885 has 1 MA's), (Start: 67 @47882 has 23 MA's), (Start: 76 @47864 has 20 MA's), (90, 47825), (103, 47717), (108, 47690), (116, 47627), (121, 47573),

Gene: TingHuaYa_80 Start: 51141, Stop: 51602, Start Num: 64
Candidate Starts for TingHuaYa_80:
(Start: 64 @51141 has 65 MA's), (69, 51147), (Start: 74 @51168 has 5 MA's), (78, 51177), (96, 51237), (102, 51312), (108, 51342), (109, 51345), (116, 51405), (124, 51483), (135, 51582),

Gene: TiniBug_76 Start: 50853, Stop: 51314, Start Num: 64
Candidate Starts for TiniBug_76:
(Start: 64 @50853 has 65 MA's), (Start: 74 @50880 has 5 MA's), (78, 50889), (87, 50916), (96, 50949), (101, 51012), (109, 51057), (124, 51195), (134, 51291), (135, 51294),

Gene: Tinybot_80 Start: 47926, Stop: 47456, Start Num: 59
Candidate Starts for Tinybot_80:
(Start: 52 @47944 has 3 MA's), (Start: 59 @47926 has 156 MA's), (Start: 63 @47917 has 1 MA's), (Start: 67 @47914 has 23 MA's), (Start: 76 @47896 has 20 MA's), (90, 47857), (108, 47722), (121, 47605),

Gene: TiroTheta9_80 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for TiroTheta9_80:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (103, 47716), (108, 47689), (116, 47626), (121, 47572),

Gene: ToneTone_83 Start: 46045, Stop: 45584, Start Num: 62
Candidate Starts for ToneTone_83:
(Start: 62 @46045 has 41 MA's), (Start: 74 @46018 has 5 MA's), (94, 45958), (103, 45865), (120, 45751),

Gene: Topanga_69 Start: 44300, Stop: 43836, Start Num: 59
Candidate Starts for Topanga_69:
(Start: 59 @44300 has 156 MA's), (Start: 74 @44276 has 5 MA's), (82, 44252),

Gene: Topper_76 Start: 50461, Stop: 50922, Start Num: 64
Candidate Starts for Topper_76:
(Start: 64 @50461 has 65 MA's), (Start: 74 @50488 has 5 MA's), (78, 50497), (96, 50557), (101, 50620), (108, 50662), (109, 50665), (116, 50725), (124, 50803), (134, 50899), (135, 50902),

Gene: Toro_79 Start: 50438, Stop: 49965, Start Num: 57
Candidate Starts for Toro_79:
(54, 50450), (Start: 57 @50438 has 8 MA's), (Start: 74 @50405 has 5 MA's), (87, 50369), (96, 50336), (103, 50258), (108, 50231), (116, 50168), (120, 50144), (134, 49988), (135, 49985),

Gene: TreyKay_79 Start: 50926, Stop: 51387, Start Num: 64
Candidate Starts for TreyKay_79:
(Start: 64 @50926 has 65 MA's), (Start: 74 @50953 has 5 MA's), (78, 50962), (96, 51022), (101, 51085), (109, 51130), (124, 51268), (134, 51364), (135, 51367),

Gene: TribleTrouble_78 Start: 51156, Stop: 51722, Start Num: 36
Candidate Starts for TribleTrouble_78:

(30, 51108), (31, 51111), (Start: 36 @51156 has 16 MA's), (Start: 74 @51291 has 5 MA's), (Start: 76 @51297 has 20 MA's), (96, 51360), (98, 51393), (100, 51414), (102, 51435), (103, 51438), (116, 51528), (125, 51612), (129, 51660),

Gene: Tristan_80 Start: 48549, Stop: 48079, Start Num: 59
Candidate Starts for Tristan_80:
(Start: 59 @48549 has 156 MA's), (Start: 63 @48540 has 1 MA's), (Start: 74 @48525 has 5 MA's), (87, 48489), (108, 48345), (116, 48285),

Gene: TroyPia_82 Start: 47934, Stop: 47464, Start Num: 59
Candidate Starts for TroyPia_82:
(Start: 52 @47952 has 3 MA's), (Start: 59 @47934 has 156 MA's), (Start: 63 @47925 has 1 MA's), (Start: 67 @47922 has 23 MA's), (Start: 76 @47904 has 20 MA's), (90, 47865), (108, 47730), (121, 47613),

Gene: TruffulaTree_78 Start: 50874, Stop: 51335, Start Num: 64
Candidate Starts for TruffulaTree_78:
(Start: 64 @50874 has 65 MA's), (Start: 74 @50901 has 5 MA's), (78, 50910), (96, 50970), (101, 51033), (108, 51075), (109, 51078), (124, 51216), (134, 51312), (135, 51315),

Gene: Tucker_86 Start: 46248, Stop: 45787, Start Num: 62
Candidate Starts for Tucker_86:
(Start: 62 @46248 has 41 MA's), (Start: 74 @46221 has 5 MA's), (94, 46161), (103, 46068), (120, 45954),

Gene: Twister_80 Start: 47500, Stop: 47036, Start Num: 59
Candidate Starts for Twister_80:
(Start: 59 @47500 has 156 MA's), (Start: 66 @47488 has 2 MA's), (Start: 74 @47476 has 5 MA's), (103, 47329), (108, 47302), (121, 47185),

Gene: Twitch_76 Start: 50463, Stop: 50924, Start Num: 64
Candidate Starts for Twitch_76:
(Start: 64 @50463 has 65 MA's), (Start: 74 @50490 has 5 MA's), (78, 50499), (96, 50559), (101, 50622), (108, 50664), (109, 50667), (116, 50727), (124, 50805), (134, 50901), (135, 50904),

Gene: TygerBlood_81 Start: 47899, Stop: 47429, Start Num: 59
Candidate Starts for TygerBlood_81:
(Start: 52 @47917 has 3 MA's), (Start: 59 @47899 has 156 MA's), (Start: 63 @47890 has 1 MA's), (Start: 67 @47887 has 23 MA's), (Start: 76 @47869 has 20 MA's), (90, 47830), (108, 47695), (121, 47578),

Gene: Ulysses_80 Start: 47582, Stop: 47112, Start Num: 59
Candidate Starts for Ulysses_80:
(Start: 52 @47600 has 3 MA's), (Start: 59 @47582 has 156 MA's), (Start: 63 @47573 has 1 MA's), (Start: 67 @47570 has 23 MA's), (Start: 76 @47552 has 20 MA's), (90, 47513), (108, 47378), (121, 47261),

Gene: Unicorn_81 Start: 51079, Stop: 51651, Start Num: 67
Candidate Starts for Unicorn_81:
(Start: 67 @51079 has 23 MA's), (Start: 74 @51100 has 5 MA's), (96, 51169), (98, 51202), (100, 51223), (103, 51247), (109, 51277), (116, 51337), (124, 51415), (129, 51469), (132, 51493), (153, 51631),

Gene: Urkel_76 Start: 50854, Stop: 51315, Start Num: 64
Candidate Starts for Urkel_76:
(Start: 64 @50854 has 65 MA's), (Start: 74 @50881 has 5 MA's), (78, 50890), (87, 50917), (96, 50950), (101, 51013), (109, 51058), (124, 51196), (134, 51292), (135, 51295),

Gene: Validus_82 Start: 52159, Stop: 52722, Start Num: 35
Candidate Starts for Validus_82:
(Start: 35 @52159 has 12 MA's), (38, 52186), (61, 52255), (Start: 67 @52267 has 23 MA's), (Start: 74 @52288 has 5 MA's), (Start: 76 @52294 has 20 MA's), (96, 52357), (98, 52390), (103, 52435), (109, 52465), (116, 52525), (124, 52603), (134, 52699), (135, 52702),

Gene: Veliki_77 Start: 50414, Stop: 50875, Start Num: 64
Candidate Starts for Veliki_77:
(Start: 64 @50414 has 65 MA's), (Start: 74 @50441 has 5 MA's), (78, 50450), (96, 50510), (101, 50573), (108, 50615), (109, 50618), (124, 50756), (134, 50852), (135, 50855),

Gene: Vine_37 Start: 27784, Stop: 26969, Start Num: 3
Candidate Starts for Vine_37:
(Start: 3 @27784 has 1 MA's), (10, 27736), (11, 27730), (Start: 22 @27682 has 14 MA's), (82, 27421), (85, 27406), (91, 27385), (101, 27289), (102, 27277), (105, 27268), (113, 27214), (118, 27175), (120, 27163), (121, 27133),

Gene: VohminGhazi_84 Start: 46013, Stop: 45552, Start Num: 62
Candidate Starts for VohminGhazi_84:
(Start: 62 @46013 has 41 MA's), (Start: 74 @45986 has 5 MA's), (94, 45926), (103, 45833), (124, 45665),

Gene: Waits_87 Start: 47034, Stop: 46567, Start Num: 60
Candidate Starts for Waits_87:
(Start: 60 @47034 has 14 MA's), (Start: 74 @47022 has 5 MA's), (90, 46983), (93, 46968),

Gene: Wakanda_212 Start: 105499, Stop: 105951, Start Num: 76
Candidate Starts for Wakanda_212:
(Start: 76 @105499 has 20 MA's), (84, 105523), (88, 105538), (89, 105541), (101, 105631), (104, 105649), (110, 105682), (131, 105883),

Gene: WalterMcMickey_79 Start: 47500, Stop: 47036, Start Num: 59
Candidate Starts for WalterMcMickey_79:
(Start: 59 @47500 has 156 MA's), (Start: 66 @47488 has 2 MA's), (Start: 74 @47476 has 5 MA's), (103, 47329), (108, 47302), (121, 47185),

Gene: Wander_81 Start: 47893, Stop: 47423, Start Num: 59
Candidate Starts for Wander_81:
(Start: 52 @47911 has 3 MA's), (Start: 59 @47893 has 156 MA's), (Start: 63 @47884 has 1 MA's), (Start: 67 @47881 has 23 MA's), (Start: 76 @47863 has 20 MA's), (90, 47824), (108, 47689), (121, 47572),

Gene: Westy_239 Start: 116391, Stop: 116849, Start Num: 76
Candidate Starts for Westy_239:
(Start: 75 @116388 has 2 MA's), (Start: 76 @116391 has 20 MA's), (88, 116430), (101, 116529), (104, 116547), (110, 116580), (114, 116607), (123, 116700), (124, 116715), (136, 116835), (137, 116838),

Gene: Wiks_85 Start: 46116, Stop: 45655, Start Num: 62

Candidate Starts for Wiks_85:
(Start: 62 @46116 has 41 MA's), (Start: 74 @46089 has 5 MA's), (94, 46029), (103, 45936), (120, 45822),

Gene: Wilbur_81 Start: 47896, Stop: 47426, Start Num: 59
Candidate Starts for Wilbur_81:
(Start: 52 @47914 has 3 MA's), (Start: 59 @47896 has 156 MA's), (Start: 63 @47887 has 1 MA's), (Start: 67 @47884 has 23 MA's), (Start: 76 @47866 has 20 MA's), (90, 47827), (108, 47692), (121, 47575),

Gene: Wile_76 Start: 47547, Stop: 47080, Start Num: 59
Candidate Starts for Wile_76:
(Start: 52 @47565 has 3 MA's), (Start: 59 @47547 has 156 MA's), (Start: 63 @47538 has 1 MA's), (Start: 67 @47535 has 23 MA's), (Start: 76 @47517 has 20 MA's), (90, 47478), (108, 47343), (116, 47280), (121, 47226),

Gene: Wintermute_81 Start: 51441, Stop: 52025, Start Num: 67
Candidate Starts for Wintermute_81:
(26, 51252), (33, 51303), (39, 51357), (45, 51387), (Start: 62 @51432 has 41 MA's), (Start: 67 @51441 has 23 MA's), (Start: 70 @51450 has 12 MA's), (Start: 74 @51465 has 5 MA's), (96, 51534), (101, 51597), (103, 51612), (108, 51639), (116, 51702), (148, 51954), (152, 51993),

Gene: Wizard007_77 Start: 47273, Stop: 46806, Start Num: 59
Candidate Starts for Wizard007_77:
(Start: 52 @47291 has 3 MA's), (Start: 59 @47273 has 156 MA's), (Start: 63 @47264 has 1 MA's), (Start: 67 @47261 has 23 MA's), (Start: 76 @47243 has 20 MA's), (90, 47204), (108, 47069), (116, 47006), (121, 46952),

Gene: WunderPhul_86 Start: 46114, Stop: 45653, Start Num: 62
Candidate Starts for WunderPhul_86:
(Start: 62 @46114 has 41 MA's), (Start: 74 @46087 has 5 MA's), (94, 46027), (103, 45934), (120, 45820),

Gene: Xena_77 Start: 47718, Stop: 47248, Start Num: 59
Candidate Starts for Xena_77:
(Start: 52 @47736 has 3 MA's), (Start: 59 @47718 has 156 MA's), (Start: 63 @47709 has 1 MA's), (Start: 67 @47706 has 23 MA's), (Start: 76 @47688 has 20 MA's), (90, 47649), (108, 47514), (121, 47397),

Gene: Ximenita_84 Start: 51791, Stop: 52357, Start Num: 35
Candidate Starts for Ximenita_84:
(Start: 35 @51791 has 12 MA's), (38, 51821), (Start: 67 @51902 has 23 MA's), (Start: 74 @51923 has 5 MA's), (87, 51959), (98, 52025), (103, 52070), (116, 52160), (124, 52238), (129, 52292), (135, 52337),

Gene: Y10_78 Start: 51399, Stop: 51974, Start Num: 70
Candidate Starts for Y10_78:
(26, 51201), (33, 51252), (39, 51306), (45, 51336), (Start: 62 @51381 has 41 MA's), (Start: 67 @51390 has 23 MA's), (Start: 70 @51399 has 12 MA's), (Start: 74 @51414 has 5 MA's), (96, 51483), (103, 51561), (108, 51588), (112, 51609), (116, 51651), (148, 51903), (152, 51942), (154, 51966),

Gene: Y2_78 Start: 51399, Stop: 51974, Start Num: 70
Candidate Starts for Y2_78:

(26, 51201), (33, 51252), (39, 51306), (45, 51336), (Start: 62 @51381 has 41 MA's), (Start: 67 @51390 has 23 MA's), (Start: 70 @51399 has 12 MA's), (Start: 74 @51414 has 5 MA's), (96, 51483), (103, 51561), (108, 51588), (112, 51609), (116, 51651), (148, 51903), (152, 51942), (154, 51966),

Gene: Yakult_36 Start: 26432, Stop: 25950, Start Num: 67
Candidate Starts for Yakult_36:
(9, 26600), (14, 26579), (Start: 22 @26549 has 14 MA's), (Start: 67 @26432 has 23 MA's), (Start: 74 @26408 has 5 MA's), (103, 26261), (105, 26255), (109, 26231), (118, 26162),

Gene: YasnayaPolyana_80 Start: 51374, Stop: 51949, Start Num: 70
Candidate Starts for YasnayaPolyana_80:
(26, 51176), (33, 51227), (39, 51281), (45, 51311), (Start: 62 @51356 has 41 MA's), (Start: 67 @51365 has 23 MA's), (Start: 70 @51374 has 12 MA's), (Start: 74 @51389 has 5 MA's), (96, 51458), (103, 51536), (108, 51563), (116, 51626), (124, 51704), (148, 51878), (152, 51917),

Gene: YoSam321_81 Start: 47894, Stop: 47424, Start Num: 59
Candidate Starts for YoSam321_81:
(Start: 52 @47912 has 3 MA's), (Start: 59 @47894 has 156 MA's), (Start: 63 @47885 has 1 MA's), (Start: 67 @47882 has 23 MA's), (Start: 76 @47864 has 20 MA's), (90, 47825), (108, 47690), (121, 47573),

Gene: Yokurt_85 Start: 46116, Stop: 45655, Start Num: 62
Candidate Starts for Yokurt_85:
(Start: 62 @46116 has 41 MA's), (Start: 74 @46089 has 5 MA's), (94, 46029), (103, 45936), (120, 45822),

Gene: Yucky_37 Start: 27610, Stop: 26924, Start Num: 22
Candidate Starts for Yucky_37:
(Start: 3 @27712 has 1 MA's), (10, 27664), (11, 27658), (Start: 22 @27610 has 14 MA's), (82, 27376), (85, 27361), (91, 27340), (101, 27244), (102, 27232), (105, 27223), (113, 27169), (118, 27130), (120, 27118), (121, 27088),

Gene: Yuna_80 Start: 52283, Stop: 52852, Start Num: 35
Candidate Starts for Yuna_80:
(Start: 35 @52283 has 12 MA's), (38, 52313), (43, 52340), (44, 52343), (Start: 74 @52418 has 5 MA's), (Start: 76 @52424 has 20 MA's), (82, 52442), (96, 52487), (98, 52520), (103, 52565), (108, 52592), (116, 52655), (124, 52733), (129, 52787),

Gene: Yunkel11_82 Start: 51044, Stop: 51505, Start Num: 64
Candidate Starts for Yunkel11_82:
(Start: 64 @51044 has 65 MA's), (Start: 74 @51071 has 5 MA's), (78, 51080), (96, 51140), (98, 51173), (102, 51215), (108, 51245), (109, 51248), (116, 51308), (124, 51386), (134, 51482), (135, 51485),

Gene: Zabiza_72 Start: 46811, Stop: 47272, Start Num: 64
Candidate Starts for Zabiza_72:
(Start: 64 @46811 has 65 MA's), (Start: 74 @46838 has 5 MA's), (78, 46847), (96, 46907), (101, 46970), (108, 47012), (109, 47015), (116, 47075), (124, 47153), (134, 47249), (135, 47252),

Gene: Zaka_86 Start: 46116, Stop: 45655, Start Num: 62
Candidate Starts for Zaka_86:
(Start: 62 @46116 has 41 MA's), (Start: 74 @46089 has 5 MA's), (94, 46029), (103, 45936), (120, 45822),

Gene: Zavala_79 Start: 50952, Stop: 51413, Start Num: 64
Candidate Starts for Zavala_79:
(Start: 64 @50952 has 65 MA's), (Start: 71 @50967 has 12 MA's), (Start: 74 @50979 has 5 MA's), (78, 50988), (96, 51048), (101, 51111), (108, 51153), (109, 51156), (124, 51294), (134, 51390), (135, 51393),

Gene: ZoeJ_81 Start: 52756, Stop: 53337, Start Num: 71
Candidate Starts for ZoeJ_81:
(Start: 71 @52756 has 12 MA's), (Start: 74 @52768 has 5 MA's), (103, 52915), (108, 52942), (109, 52945), (116, 53005), (143, 53221), (144, 53248), (149, 53278), (151, 53293),

Gene: Zulu_87 Start: 46494, Stop: 46033, Start Num: 62
Candidate Starts for Zulu_87:
(Start: 62 @46494 has 41 MA's), (Start: 74 @46467 has 5 MA's), (94, 46407), (103, 46314), (120, 46200),