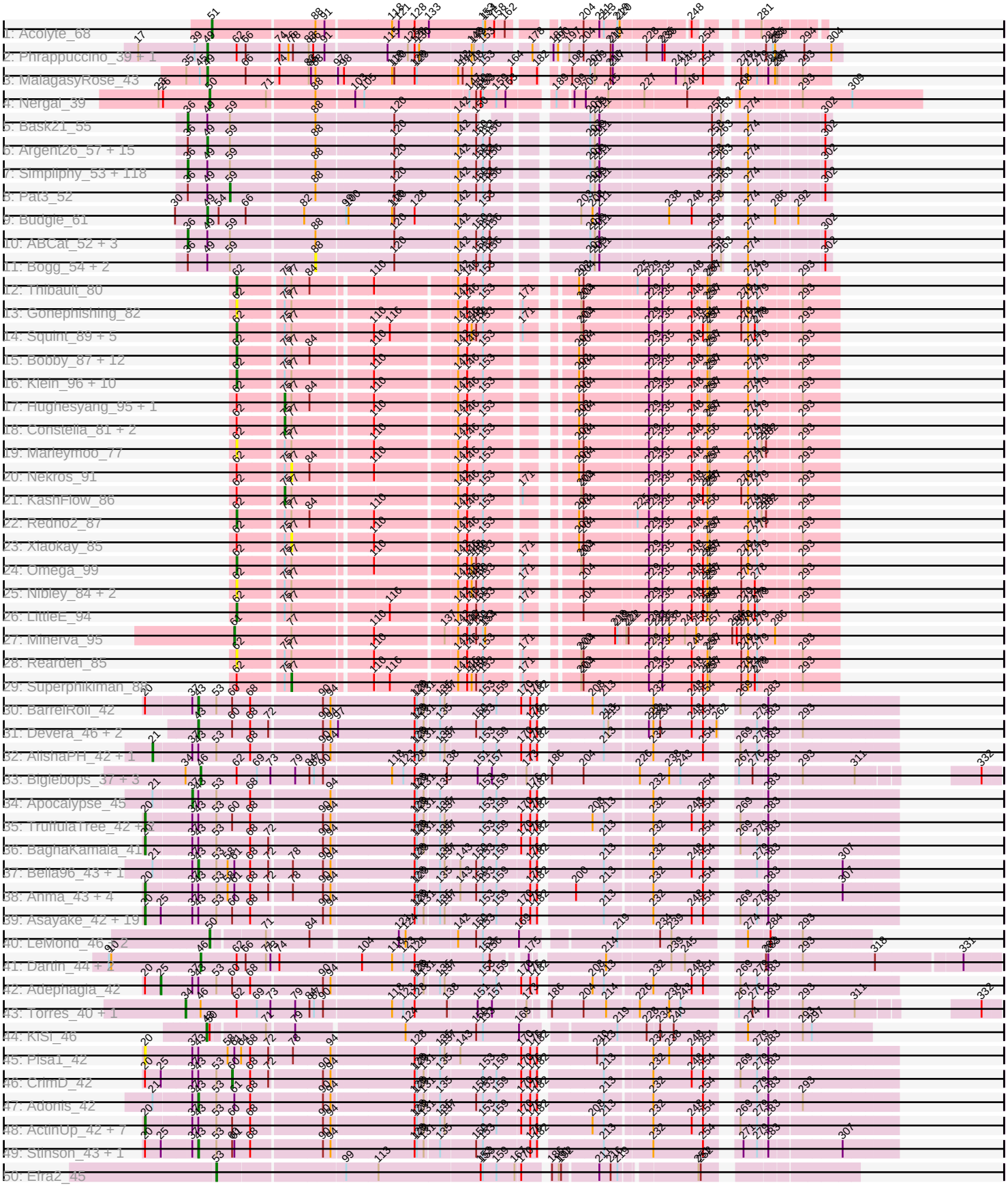
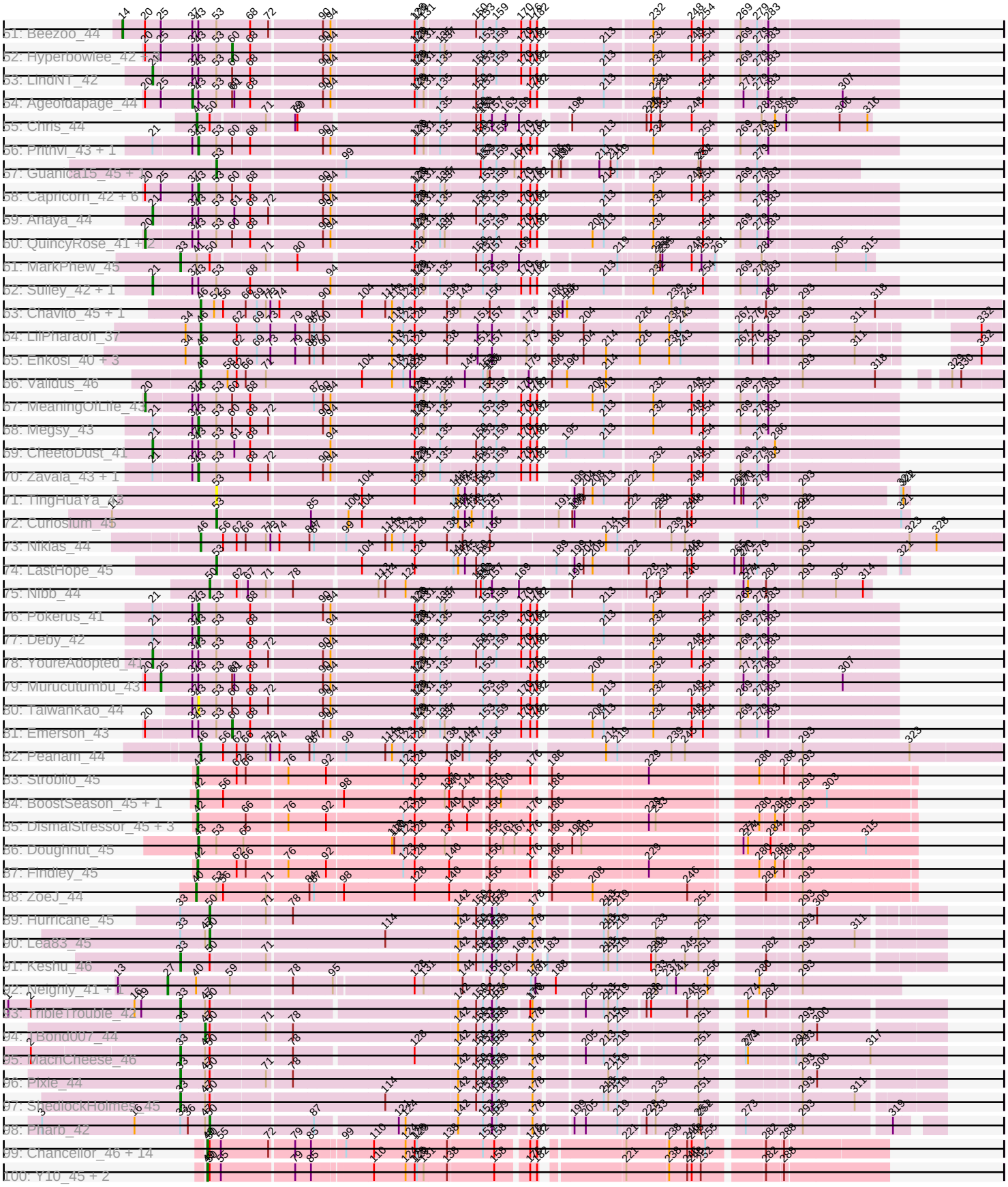
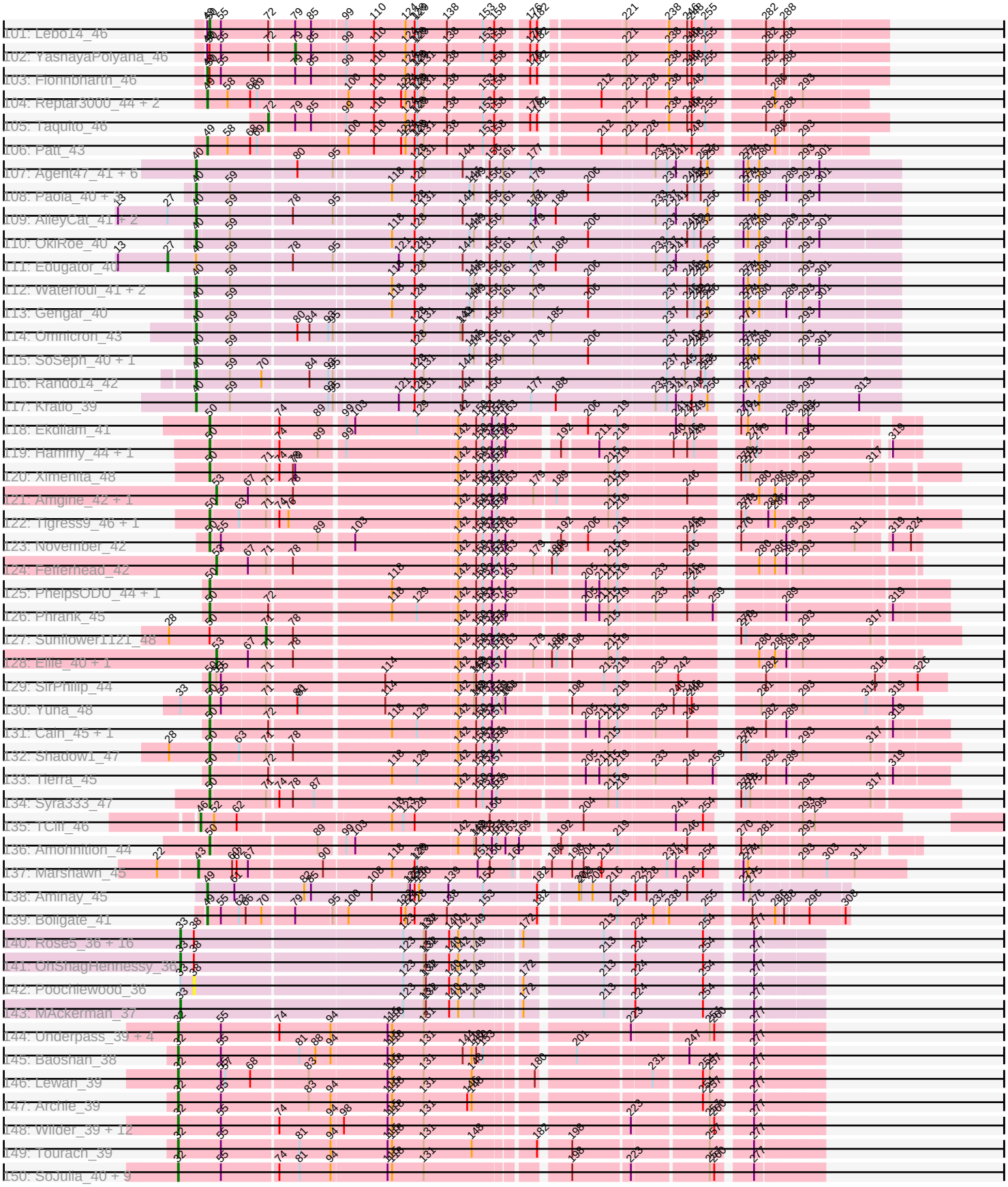
Pham 347072


1: Acolyte_68
2: Phrappuccino_39 + 1
3: MalagasyRose_43
4: Nergal_39
5: Bask21_55
6: Argent26_57 + 15
7: Simpliphy_53 + 118
8: Pat3_52
9: Budgie_61
10: ABCat_52 + 3
11: Bogg_54 + 2
12: Thibault_80
13: Gonephishing_82
14: Squint_89 + 5
15: Bobby_87 + 12
16: Klein_96 + 10
17: Hughesyang_95 + 1
18: Constella_81 + 2
19: Maneymoo_77
20: Nekros_91
21: KashFlow_86
22: Redno2_87
23: Xiaokay_85
24: Omega_99
25: Nibley_84 + 2
26: LittleE_94
27: Minerva_95
28: Rearden_85
29: Superphikiman_86
30: BarrelRoll_42
31: Devera_46 + 2
32: AlishaPH_42 + 1
33: Biglebops_37 + 3
34: Apocalypse_45
35: TruffulaTree_42 + 2
36: BaghaKamala_41
37: Bella96_43 + 1
38: Anma_43 + 4
39: Asayake_42 + 19
40: LeMond_46 + 2
41: Darlin_44 + 2
42: Adephagia_42
43: Torres_40 + 1
44: KISI_46
45: Pisa1_42
46: ChimD_42
47: Adonis_42
48: ActinUp_42 + 7
49: Stinson_43 + 1
50: Elra2_45

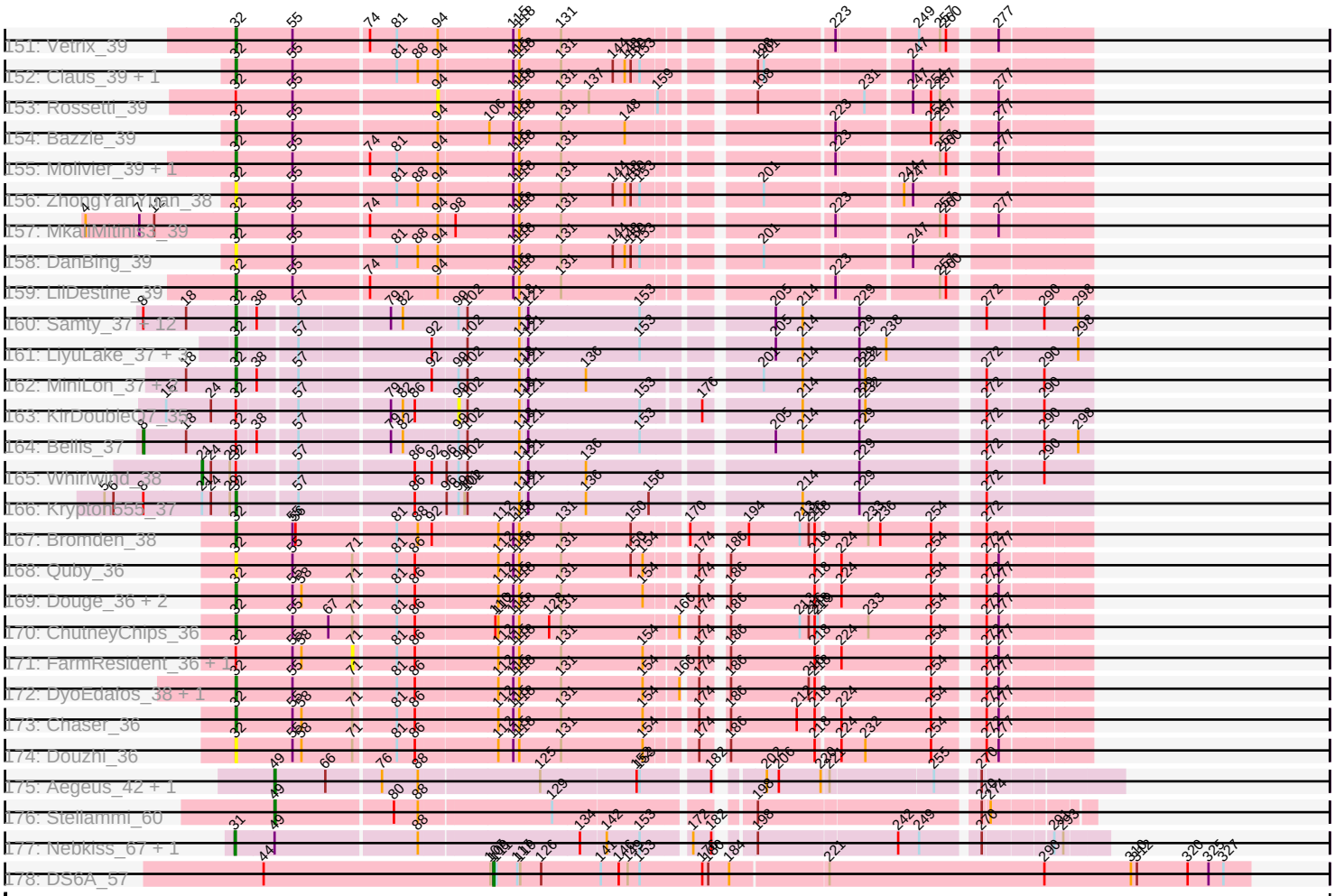
Pham 347072


51: Beezoo_44
52: Hyperbowlee_42 + 1
53: LindNY_42
54: Ageofdapage_44
55: Chris_44
56: Prithvi_43 + 1
57: Guanica15_45 + 4
58: Capricorn_42 + 6
59: Anaya_44
60: QuincyRose_41 + 2
61: MarkPhew_45
62: Sulley_42 + 1
63: Chavito_45 + 1
64: LilPharaoh_37
65: Enkosi_40 + 3
66: Validus_46
67: MeaningOfLife_43
68: Megsy_43
69: CheetoDust_41
70: Zavala_43 + 1
71: YingHuaYa_43
72: Curiosium_45
73: Niklas_44
74: LastHope_45
75: Nibb_44
76: Pokerus_41
77: Deby_42
78: YoureAdopted_43
79: Mururutumbu_43
80: TaiwanKao_44
81: Emerson_43
82: Peaham_44
83: Strobilo_45
84: BoostSeason_45 + 1
85: DismalStressor_45 + 3
86: Doughnut_45
87: Findley_45
88: ZoeJ_44
89: Hurricane_45
90: Lea83_45
91: Keshu_46
92: Neighly_41 + 1
93: TripleTrouble_42
94: JBond007_44
95: MachCheese_46
96: Pixie_44
97: SherlockHolmes_45
98: Pharo_42
99: Chancellor_46 + 14
100: Y10_45 + 2

Pham 347072



Pham 347072


151: Vetrix_39
152: Claus_39 + 1
153: Rossetti_39
154: Bazzle_39
155: Molivier_39 + 1
156: ZhongYanYuan_38
157: MikaMitchell_39
158: DanBing_39
159: LilDestine_39
160: Samty_37 + 12
161: LiyuLake_37 + 3
162: MiniLon_37 + 1
163: KirDoubleV_37_35
164: Bellis_37
165: Whirlwind_38
166: Krypton553_37
167: Bromden_38
168: Quby_36
169: Douge_36 + 2
170: ChutneyChips_36
171: FarmResident_36 + 1
172: DyoEdafos_38 + 1
173: Chaser_36
174: Douzhi_36
175: Aegeus_42 + 1
176: Stellammi_60
177: Nebkiss_67 + 1
178: DS6A_57

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 347072 Report

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

Pham number 347072 has 522 members, 58 are drafts.

Phages represented in each track:
• Track 1 : Acolyte_68
• Track 2 : Phrappuccino_39, Settecandela_39
• Track 3 : MalagasyRose_43
• Track 4 : Nergal_39
• Track 5 : Bask21_55
• Track 6 : Argent26_57, TeamEdward_57, Flypotenuse_49, Toto_53, Palpatine_57, StormChicken_56, Ptowny_53, Emmina_54, Teaspoon_55, Petra64142_59, TBrady12_57, SirDuracell_53, Kostya_55, GoldenSpark_57, Rakim_56, YassJohnny_50
• Track 7 : Simpliphy_53, GooberAzure_57, StolenFromERC_57, Goldilocks_56, Bench_56, Tuco_55, Gator_52, Dumbo_54, Wiggin_56, StellaBean_52, Phrux_52, Lilac_57, Phaux_56, Kimchi_57, Asriel_54, Adnama_58, BigBubba_55, Hopey_54, Bruin_50, Easy2Say_55, Quallification_55, Terminus_56, Cookies_51, CrystalP_54, Cjw1_54, Filch_55, BugsBunny_55, Goku_52, ShamWow_54, Sotrice96_55, Pumpkin_56, Czyszczon1_55, Henry_53, RiverMonster_55, BaboJay_50, Elph10_54, Policronamos_57, Murphy_56, Stank_58, Barbarian_54, Daikon_55, Contagion_51, NonchalantPear_54, MadamMonkfish_54, Brewer_48, Porky_53, Tarkin_53, Amao_54, xkcd_58, Traaww1_50, Willez_48, DoctorDiddles_54, FireRed_57, OrionPax_53, Command613_56, AmericanBeauty_58, SophKB_51, Pharsalus_52, Thimble_56, Stark_55, Harella_54, Misfit_56, Maxxinista_57, ChosenOne_55, Buck_55, TeardropMSU_50, Sassay_48, Thresher_57, Holt_59, ChotaBhai_54, Paperbeatsrock_53, Gemini_58, Murica_56, PaddyBaddy_54, Dusk_52, Highbury_55, FoghornLeghorn_49, DrDrey_54, MISSy_54, Gage_57, Glexan_52, Nala_55, HufflyPuff_56, NelitzaMV_51, Lilizi_54, HanKaySha_53, Xandras_54, Becksu_55, NoSleep_56, 244_55, Tomaszewski_50, Manda_54, Elite2014_54, Ukulele_51, Nimrod_57, FairyPath_53, Rimmer_55, Moldemort_57, Kanye_50, Youngblood_56, BilboSwaggins_53, Saints25_55, PhatBacter_57, MollyToe_49, JeTaime_55, BadStone_52, Phaja_52, Lilpickle_54, IHOP_52, ShereKhan_52, Balomoji_53, Miniwave_51, Mindy_53, Hoonter_57, Mosby_50, MPhalcon_54, Icee_54, Cactus_56, Eureka_52
• Track 8 : Pat3_52
• Track 9 : Budgie_61
• Track 10 : ABCat_52, Inca_51, Marshmallow_53, Myrale_54
• Track 11 : Bogg_54, Greep_58, Livelaughbron_58
• Track 12 : Thibault_80
• Track 13 : Gonephishing_82

• Track 14 : Squint_89, MiaZeal_91, Ariel_90, Courthouse_86, Porcelain_89, Lucky2013_88
• Track 15 : Bobby_87, Schatzie_90, DmpstrDiver_97, Yeet_88, Kalah2_89, Halley_97, Odette_95, ThreeRngTarjay_92, BAKA_97, EricMillard_89, Pound_87, Phoebus_97, HokkenD_84
• Track 16 : Klein_96, JuicyJay_92, Wanda_99, Duke13_91, Ejimix_89, Dallas_97, Hidrated_82, Bombitas_84, Beem_96, NihilNomen_97, Optimus_89
• Track 17 : Hughesyang_95, Hannaconda_82
• Track 18 : Constella_81, Bagrid_94, Zelink_92
• Track 19 : Marleymoo_77
• Track 20 : Nekros_91
• Track 21 : KashFlow_86
• Track 22 : Redno2_87
• Track 23 : Xiaokay_85
• Track 24 : Omega_99
• Track 25 : Nibley_84, BronnyJames_89, Shaboozey_88
• Track 26 : LittleE_94
• Track 27 : Minerva_95
• Track 28 : Rearden_85
• Track 29 : Superphikiman_88
• Track 30 : BarrelRoll_42
• Track 31 : Devera_46, Dole_45, Illumine_45
• Track 32 : AlishaPH_42, Geraldini_44
• Track 33 : Biglebops_37, SgtBeansprout_37, Nutello_37, Amelie_37
• Track 34 : Apocalypse_45
• Track 35 : TruffulaTree_42, Rapunzel97_42, Slimphazie_42
• Track 36 : BaghaKamala_41
• Track 37 : Bella96_43, DartGoblin_44
• Track 38 : Anma_43, Urkel_43, SamuelLPlaqson_43, DrHayes_43, TiniBug_43
• Track 39 : Asayake_42, JAWS_42, CREW_42, Spock_42, Durfee_42, Padfoot_42, Dalmuri_42, Blizzard_42, Belladonna_42, Inky_42, Lunahalos_42, Peel_42, ShiaSurprise_43, Clipper_45, Lokum_43, Jeckyll_42, BGlluviae_42, BEEST_42, Jarvi_42, Twitch_42
• Track 40 : LeMond_46, Oscar_46, Scarlett_46
• Track 41 : Dartin_44, McMater_44, Richo_44
• Track 42 : Adephagia_42
• Track 43 : Torres_40, Nikao_40
• Track 44 : KiSi_46
• Track 45 : Pisa1_42
• Track 46 : CrimD_42
• Track 47 : Adonis_42
• Track 48 : ActinUp_42, Atiba_42, Tachez_42, Ramen_42, HedwigODU_42, Jayhawk_43, Veliki_42, Padpat_43
• Track 49 : Stinson_43, LaterM_43
• Track 50 : Efra2_45
• Track 51 : Beezoo_44
• Track 52 : Hyperbowlee_42, Topper_42, Rosmarinus_42, Piatt_42
• Track 53 : LindNT_42
• Track 54 : Ageofdapage_44
• Track 55 : Chris_44
• Track 56 : Prithvi_43, TreyKay_43
• Track 57 : Guanica15_45, Yunkel11_45

• Track 58 : Capricorn_42, Joy99_42, Homura_42, CallaLilly_42, Llorens_42, CaseJules_43, Boiiii_42
• Track 59 : Anaya_44
• Track 60 : QuincyRose_41, Tiri_43, Ganymede_43
• Track 61 : MarkPhew_45
• Track 62 : Sulley_42, Angelica_42
• Track 63 : Chavito_45, Shaobing_44
• Track 64 : LilPharaoh_37
• Track 65 : Enkosi_40, Teejan_40, Mdavu_38, Trice_38
• Track 66 : Validus_46
• Track 67 : MeaningOfLife_43
• Track 68 : Megsy_43
• Track 69 : CheetoDust_41
• Track 70 : Zavala_43, Mynx_43
• Track 71 : TingHuaYa_43
• Track 72 : Curiosium_45
• Track 73 : Niklas_44
• Track 74 : LastHope_45
• Track 75 : Nibb_44
• Track 76 : Pokerus_41
• Track 77 : Deby_42
• Track 78 : YoureAdopted_41
• Track 79 : Murucutumbu_43
• Track 80 : TaiwanKao_44
• Track 81 : Emerson_43
• Track 82 : Peanam_44
• Track 83 : Strobilo_45
• Track 84 : BoostSeason_45, Mufasa_45
• Track 85 : DismalStressor_45, Marcoliusprime_45, Milly_45, DismalFunk_45
• Track 86 : Doughnut_45
• Track 87 : Findley_45
• Track 88 : ZoeJ_44
• Track 89 : Hurricane_45
• Track 90 : Lea83_45
• Track 91 : Keshu_46
• Track 92 : Neighly_41, Psycho_41
• Track 93 : TribleTrouble_42
• Track 94 : TBond007_44
• Track 95 : MacnCheese_46
• Track 96 : Pixie_44
• Track 97 : ShedlockHolmes_45
• Track 98 : Pharb_42
• Track 99 : Chancellor_46, Qhanda_48, Wintermute_46, Cheetobro_46, Nolwazi_48, Malthus_47, Eponine_48, OmniCritical_45, SamScheppers_45, Kraw_46, Slarp_46, Mitti_46, Juliette_48, DanSyl44_50, Ruthiejr_47
• Track 100 : Y10_45, Y2_45, JF1_46
• Track 101 : Lebo14_46
• Track 102 : YasnayaPolyana_46
• Track 103 : Fionnbharth_46
• Track 104 : Reptar3000_44, MissDaisy_44, Bobquesha_47
• Track 105 : Taquito_46
• Track 106 : Patt_43

• Track 107 : Agent47_41, LilDirt_40, Collard_40, DoubleChamp_40, BananenDer11_41, InvictusManeo_40, ViviJ_40
• Track 108 : Paola_40, Feyre_40, Guillsminger_41, Miryou_42
• Track 109 : AlleyCat_41, Larva_41, Dadosky_41
• Track 110 : OkiRoe_40
• Track 111 : Edugator_40
• Track 112 : Waterfoul_41, Leston_40, Thyatira_42
• Track 113 : Gengar_40
• Track 114 : Omnicron_43
• Track 115 : SoSeph_40, Heftyboy_40
• Track 116 : Rando14_42
• Track 117 : Kratio_39
• Track 118 : Ekdilam_41
• Track 119 : Hammy_44, DarthP_44
• Track 120 : Ximenita_48
• Track 121 : Amgine_42, Lavahound_40
• Track 122 : Tigress9_46, Krueger_48
• Track 123 : November_42
• Track 124 : Fefferhead_42
• Track 125 : PhelpsODU_44, Unicorn_44
• Track 126 : Phrank_45
• Track 127 : Sunflower1121_48
• Track 128 : Ellie_40, Applecrisp_41
• Track 129 : SirPhilip_44
• Track 130 : Yuna_48
• Track 131 : Cain_45, Bryler_45
• Track 132 : Shadow1_47
• Track 133 : Tierra_45
• Track 134 : Syra333_47
• Track 135 : TClif_46
• Track 136 : Amohnition_44
• Track 137 : Marshawn_45
• Track 138 : Aminay_45
• Track 139 : Boilgate_41
• Track 140 : Rose5_36, Acquire49_37, Zaria_37, Enceladus_36, Appletree2_36, DirkDirk_36, Calm_37, CicholasNage_37, Wamburgrxpress_37, JoeDirt_36, LeBron_37, Halena_36, Wyatt2_37, Tyson_36, UPIE_37, Silverleaf_36, AvadaKedavra_37
• Track 141 : OhShagHennessy_36
• Track 142 : Poochiewood_36
• Track 143 : MAckerman_37
• Track 144 : Underpass_39, ChengKai98_39, Gardann_39, Rumpelstiltskin_39, Nicholasp3_39
• Track 145 : Baoshan_38
• Track 146 : Lewan_39
• Track 147 : Archie_39
• Track 148 : Wilder_39, OverPar_38, Wigglewiggle_39, Zakai_39, Soap141_39, Hiraya_39, Crossroads_39, Loadrie_39, Hafay_39, Lynnae_39, GuuelaD_39, Kahlid_39, Sarshaun_39
• Track 149 : Tourach_39
• Track 150 : SoJulia_40, Winky_39, Netyap_39, Miley16_39, Faith1_39, Gabriela_39, DrSeegs_39, Breezona_39, BigCheese_39, BobsGarage_39
• Track 151 : Vetrix_39

• Track 152 : Claus_39, DHan_40
• Track 153 : Rossetti_39
• Track 154 : Bazzle_39
• Track 155 : Molivier_39, Finemlucis_39
• Track 156 : ZhongYanYuan_38
• Track 157 : MkaliMitinis3_39
• Track 158 : DanBing_39
• Track 159 : LilDestine_39
• Track 160 : Samty_37, Finnry_37, Clautastrophe_37, Kingsolomon_37, TriFive_37, Nicholas_37, Lumos_37, Moostard_37, Snenia_37, MsGreen_37, Jobypre_37, Red305_37, Jubie_37
• Track 161 : LiyuLake_37, Ellson_37, DuncansLeg_37, BourbonZero_36
• Track 162 : MiniLon_37, MiniMac_37, Lolly9_37
• Track 163 : KirDoubleO7_35
• Track 164 : Bellis_37
• Track 165 : Whirlwind_38
• Track 166 : Krypton555_37
• Track 167 : Bromden_38
• Track 168 : Quby_36
• Track 169 : Douge_36, BrainDrainer_37, PYPDinur_36
• Track 170 : ChutneyChips_36
• Track 171 : FarmResident_36, Sheng711_36
• Track 172 : DyoEdafos_38, Kropertea_36
• Track 173 : Chaser_36
• Track 174 : Douzhi_36
• Track 175 : Aegeus_42, Baudelaire_42
• Track 176 : Stellammi_60
• Track 177 : Nebkiss_67, Gaia_67
• Track 178 : DS6A_57

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

The start number called the most often in the published annotations is 36, it was called in 119 of the 464 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_55, ABCat_52, Adnama_58, Amao_54, AmericanBeauty_58, Asriel_54, BaboJay_50, BadStone_52, Balomoji_53, Barbarian_54, Bask21_55, Becksu_55, Bench_56, BigBubba_55, BilboSwaggins_53, Brewer_48, Bruin_50, Buck_55, BugsBunny_55, Cactus_56, ChosenOne_55, ChotaBhai_54, Cjw1_54, Command613_56, Contagion_51, Cookies_51, CrystalP_54, Czyszczon1_55, Daikon_55, DoctorDiddles_54, DrDrey_54, Dumbo_54, Dusk_52, Easy2Say_55, Elite2014_54, Elph10_54, Eureka_52, FairyPath_53, Filch_55, FireRed_57, FoghornLeghorn_49, Gage_57, Gator_52, Gemini_58, Glexan_52, Goku_52, Goldilocks_56, GooberAzure_57, HanKaySha_53, Harella_54, Henry_53, Highbury_55, Holt_59, Hoonter_57, Hopey_54, HufflyPuff_56, IHOP_52, Icee_54, Inca_51, JeTaime_55, Kanye_50, Kimchi_57, Lilac_57, Lilizi_54, Lilpickle_54, MISSy_54, MPhalcon_54, MadamMonkfish_54, Manda_54, Marshmallow_53, Maxxinista_57, Mindy_53, Miniwave_51, Misfit_56, Moldemort_57, MollyToe_49, Mosby_50, Murica_56, Murphy_56, Myrale_54, Nala_55, NelitzaMV_51, Nimrod_57,

NoSleep_56, NonchalantPear_54, OrionPax_53, PaddyBaddy_54, Paperbeatsrock_53, Phaja_52, Pharsalus_52, PhatBacter_57, Phaux_56, Phrux_52, Policronamos_57, Porky_53, Pumpkin_56, Quallification_55, Rimmer_55, RiverMonster_55, Saints25_55, Sassay_48, ShamWow_54, ShereKhan_52, Simpliphy_53, SophKB_51, Sotrice96_55, Stank_58, Stark_55, StellaBean_52, StolenFromERC_57, Tarkin_53, TeardropMSU_50, Terminus_56, Thimble_56, Thresher_57, Tomaszewski_50, Traaww1_50, Tuco_55, Ukulele_51, Wiggin_56, Willez_48, Xandras_54, Youngblood_56, xkcd_58,

Genes that have the "Most Annotated" start but do not call it:
• Argent26_57, Bogg_54, Emmina_54, Flypotenuse_49, GoldenSpark_57, Greep_58, Kostya_55, Livelaughbron_58, Palpatine_57, Pat3_52, Petra64142_59, Pharb_42, Ptowny_53, Rakim_56, SirDuracell_53, StormChicken_56, TBrady12_57, TeamEdward_57, Teaspoon_55, Toto_53, YassJohnny_50,

Genes that do not have the "Most Annotated" start:
• Acolyte_68, Acquire49_37, ActinUp_42, Adephagia_42, Adonis_42, Aegeus_42, Agent47_41, Ageofdapage_44, AlishaPH_42, AlleyCat_41, Amelie_37, Amgine_42, Aminay_45, Amohnition_44, Anaya_44, Angelica_42, Anma_43, Apocalypse_45, Applecrisp_41, Appletree2_36, Archie_39, Ariel_90, Asayake_42, Atiba_42, AvadaKedavra_37, BAKA_97, BEEST_42, BGlluviae_42, BaghaKamala_41, Bagrid_94, BananenDer11_41, Baoshan_38, BarrelRoll_42, Baudelaire_42, Bazzle_39, Beem_96, Beezoo_44, Bella96_43, Belladonna_42, Bellis_37, BigCheese_39, Biglebops_37, Blizzard_42, Bobby_87, Bobquesha_47, BobsGarage_39, Boiiii_42, Boilgate_41, Bombitas_84, BoostSeason_45, BourbonZero_36, BrainDrainer_37, Breezona_39, Bromden_38, BronnyJames_89, Bryler_45, Budgie_61, CREW_42, Cain_45, CallaLilly_42, Calm_37, Capricorn_42, CaseJules_43, Chancellor_46, Chaser_36, Chavito_45, CheetoDust_41, Cheetobro_46, ChengKai98_39, Chris_44, ChutneyChips_36, CicholasNage_37, Claus_39, Clautastrophe_37, Clipper_45, Collard_40, Constella_81, Courthouse_86, CrimD_42, Crossroads_39, Curiosium_45, DHan_40, DS6A_57, Dadosky_41, Dallas_97, Dalmuri_42, DanBing_39, DanSyl44_50, DartGoblin_44, DarthP_44, Dartin_44, Deby_42, Devera_46, DirkDirk_36, DismalFunk_45, DismalStressor_45, DmpstrDiver_97, Dole_45, DoubleChamp_40, Douge_36, Doughnut_45, Douzhi_36, DrHayes_43, DrSeegs_39, Duke13_91, DuncansLeg_37, Durfee_42, DyoEdafos_38, Edugator_40, Efra2_45, Ejimix_89, Ekdilam_41, Ellie_40, Ellson_37, Emerson_43, Enceladus_36, Enkosi_40, Eponine_48, EricMillard_89, Faith1_39, FarmResident_36, Fefferhead_42, Feyre_40, Findley_45, Finemlucis_39, Finnry_37, Fionnbharth_46, Gabriela_39, Gaia_67, Ganymede_43, Gardann_39, Gengar_40, Geraldini_44, Gonephishing_82, Guanica15_45, Guillsminger_41, GuuelaD_39, Hafay_39, Halena_36, Halley_97, Hammy_44, Hannaconda_82, HedwigODU_42, Heftyboy_40, Hidrated_82, Hiraya_39, HokkenD_84, Homura_42, Hughesyang_95, Hurricane_45, Hyperbowlee_42, Illumine_45, Inky_42, InvictusManeo_40, JAWS_42, JF1_46, Jarvi_42, Jayhawk_43, Jeckyll_42, Jobypre_37, JoeDirt_36, Joy99_42, Jubie_37, JuicyJay_92, Juliette_48, Kahlid_39, Kalah2_89, KashFlow_86, Keshu_46, KiSi_46, Kingsolomon_37, KirDoubleO7_35, Klein_96, Kratio_39, Kraw_46, Kropertea_36, Krueger_48, Krypton555_37, Larva_41, LastHope_45, LaterM_43, Lavahound_40, LeBron_37, LeMond_46, Lea83_45, Lebo14_46, Leston_40, Lewan_39, LilDestine_39, LilDirt_40, LilPharaoh_37, LindNT_42, LittleE_94, LiyuLake_37, Llorens_42, Loadrie_39, Lokum_43, Lolly9_37, Lucky2013_88, Lumos_37, Lunahalos_42, Lynnae_39, MAckerman_37, MacnCheese_46, MalagasyRose_43, Malthus_47, Marcoliusprime_45, MarkPhew_45, Marleymoo_77, Marshawn_45, McMater_44, Mdavu_38, MeaningOfLife_43, Megsy_43, MiaZeal_91,

Miley16_39, Milly_45, Minerva_95, MiniLon_37, MiniMac_37, Miryou_42, MissDaisy_44, Mitti_46, MkaliMitinis3_39, Molivier_39, Moostard_37, MsGreen_37, Mufasa_45, Murucutumbu_43, Mynx_43, Nebkiss_67, Neighly_41, Nekros_91, Nergal_39, Netyap_39, Nibb_44, Nibley_84, Nicholas_37, Nicholasp3_39, NihilNomen_97, Nikao_40, Niklas_44, Nolwazi_48, November_42, Nutello_37, Odette_95, OhShagHennessy_36, OkiRoe_40, Omega_99, OmniCritical_45, Omnicron_43, Optimus_89, Oscar_46, OverPar_38, PYPDinur_36, Padfoot_42, Padpat_43, Paola_40, Patt_43, Peanam_44, Peel_42, PhelpsODU_44, Phoebus_97, Phrank_45, Phrappuccino_39, Piatt_42, Pisa1_42, Pixie_44, Pokerus_41, Poochiewood_36, Porcelain_89, Pound_87, Prithvi_43, Psycho_41, Qhanda_48, Quby_36, QuincyRose_41, Ramen_42, Rando14_42, Rapunzel97_42, Rearden_85, Red305_37, Redno2_87, Reptar3000_44, Richo_44, Rose5_36, Rosmarinus_42, Rossetti_39, Rumpelstiltskin_39, Ruthiejr_47, SamScheppers_45, Samty_37, SamuelLPlaqson_43, Sarshaun_39, Scarlett_46, Schatzie_90, Settecandela_39, SgtBeansprout_37, Shaboozey_88, Shadow1_47, Shaobing_44, ShedlockHolmes_45, Sheng711_36, ShiaSurprise_43, Silverleaf_36, SirPhilip_44, Slarp_46, Slimphazie_42, Snenia_37, SoJulia_40, SoSeph_40, Soap141_39, Spock_42, Squint_89, Stellammi_60, Stinson_43, Strobilo_45, Sulley_42, Sunflower1121_48, Superphikiman_88, Syra333_47, TBond007_44, TClif_46, Tachez_42, TaiwanKao_44, Taquito_46, Teejan_40, Thibault_80, ThreeRngTarjay_92, Thyatira_42, Tierra_45, Tigress9_46, TingHuaYa_43, TiniBug_43, Tiri_43, Topper_42, Torres_40, Tourach_39, TreyKay_43, TriFive_37, TribleTrouble_42, Trice_38, TruffulaTree_42, Twitch_42, Tyson_36, UPIE_37, Underpass_39, Unicorn_44, Urkel_43, Validus_46, Veliki_42, Vetrix_39, ViviJ_40, Wamburgrxpress_37, Wanda_99, Waterfoul_41, Whirlwind_38, Wigglewiggle_39, Wilder_39, Winky_39, Wintermute_46, Wyatt2_37, Xiaokay_85, Ximenita_48, Y10_45, Y2_45, YasnayaPolyana_46, Yeet_88, YoureAdopted_41, Yuna_48, Yunkel11_45, Zakai_39, Zaria_37, Zavala_43, Zelink_92, ZhongYanYuan_38, ZoeJ_44,

Summary by start number:

Start 8:
• Found in 15 of 522 (2.9%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Bellis_37 (L3),

Start 14:
• Found in 1 of 522 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beezoo_44 (K1),

Start 20:
• Found in 62 of 522 (11.9%) of genes in pham
• Manual Annotations of this start: 40 of 464
• Called 67.7% of time when present
• Phage (with cluster) where this start called: ActinUp_42 (K1), Anma_43 (K1), Asayake_42 (K1), Atiba_42 (K1), BEEST_42 (K1), BGlluviae_42 (K1), BaghaKamala_41 (K1), Belladonna_42 (K1), Blizzard_42 (K1), CREW_42 (K1), Clipper_45 (K1), Dalmuri_42 (K1), DrHayes_43 (K1), Durfee_42 (K1), Ganymede_43 (K1), HedwigODU_42 (K1), Inky_42 (K1), JAWS_42 (K1), Jarvi_42 (K1), Jayhawk_43

(K1), Jeckyll_42 (K1), Lokum_43 (K1), Lunahalos_42 (K1), MeaningOfLife_43 (K1), Padfoot_42 (K1), Padpat_43 (K1), Peel_42 (K1), Pisa1_42 (K1), QuincyRose_41 (K1), Ramen_42 (K1), Rapunzel97_42 (K1), SamuelLPlaqson_43 (K1), ShiaSurprise_43 (K1), Slimphazie_42 (K1), Spock_42 (K1), Tachez_42 (K1), TiniBug_43 (K1), Tiri_43 (K1), TruffulaTree_42 (K1), Twitch_42 (K1), Urkel_43 (K1), Veliki_42 (K1),

Start 21:
• Found in 21 of 522 (4.0%) of genes in pham
• Manual Annotations of this start: 9 of 464
• Called 42.9% of time when present
• Phage (with cluster) where this start called: AlishaPH_42 (K1), Anaya_44 (K1), Angelica_42 (K1), CheetoDust_41 (K1), Geraldini_44 (K1), LindNT_42 (K1), Sulley_42 (K1), Whirlwind_38 (L3), YoureAdopted_41 (K1),

Start 25:
• Found in 38 of 522 (7.3%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Adephagia_42 (K1), Murucutumbu_43 (K1),

Start 27:
• Found in 6 of 522 (1.1%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Edugator_40 (K5), Neighly_41 (K3), Psycho_41 (K5),

Start 31:
• Found in 2 of 522 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_67 (X), Nebkiss_67 (X),

Start 32:
• Found in 79 of 522 (15.1%) of genes in pham
• Manual Annotations of this start: 54 of 464
• Called 92.4% of time when present
• Phage (with cluster) where this start called: Archie_39 (L2), Baoshan_38 (L2), Bazzle_39 (L2), BigCheese_39 (L2), BobsGarage_39 (L2), BourbonZero_36 (L3), BrainDrainer_37 (L4), Breezona_39 (L2), Bromden_38 (L4), Chaser_36 (L4), ChengKai98_39 (L2), ChutneyChips_36 (L4), Claus_39 (L2), Clautastrophe_37 (L3), Crossroads_39 (L2), DHan_40 (L2), DanBing_39 (L2), Douge_36 (L4), Douzhi_36 (L4), DrSeegs_39 (L2), DuncansLeg_37 (L3), DyoEdafos_38 (L4), Ellson_37 (L3), Faith1_39 (L2), Finemlucis_39 (L2), Finnry_37 (L3), Gabriela_39 (L2), Gardann_39 (L2), GuuelaD_39 (L2), Hafay_39 (L2), Hiraya_39 (L2), Jobypre_37 (L3), Jubie_37 (L3), Kahlid_39 (L2), Kingsolomon_37 (L3), Kropertea_36 (L4), Krypton555_37 (L3), Lewan_39 (L2), LilDestine_39 (L2), LiyuLake_37 (L3), Loadrie_39 (L2), Lolly9_37 (L3), Lumos_37 (L3), Lynnae_39 (L2), Miley16_39 (L2), MiniLon_37 (L3), MiniMac_37 (L3), MkaliMitinis3_39 (L2), Molivier_39 (L2), Moostard_37 (L3), MsGreen_37 (L3), Netyap_39 (L2), Nicholas_37 (L3), Nicholasp3_39 (L2), OverPar_38 (L2), PYPDinur_36 (L4), Quby_36 (L4), Red305_37 (L3), Rumpelstiltskin_39 (L2),

Samty_37 (L3), Sarshaun_39 (L2), Snenia_37 (L3), SoJulia_40 (L2), Soap141_39 (L2), Tourach_39 (L2), TriFive_37 (L3), Underpass_39 (L2), Vetrix_39 (L2), Wigglewiggle_39 (L2), Wilder_39 (L2), Winky_39 (L2), Zakai_39 (L2), ZhongYanYuan_38 (L2),

Start 33:
• Found in 31 of 522 (5.9%) of genes in pham
• Manual Annotations of this start: 25 of 464
• Called 80.6% of time when present
• Phage (with cluster) where this start called: Acquire49_37 (L1), Appletree2_36 (L1), AvadaKedavra_37 (L1), Calm_37 (L1), CicholasNage_37 (L1), DirkDirk_36 (L1), Enceladus_36 (L1), Halena_36 (L1), JoeDirt_36 (L1), Keshu_46 (K3), LeBron_37 (L1), MAckerman_37 (L1), MacnCheese_46 (K3), MarkPhew_45 (K1), OhShagHennessy_36 (L1), Pixie_44 (K3), Rose5_36 (L1), ShedlockHolmes_45 (K3), Silverleaf_36 (L1), TribleTrouble_42 (K3), Tyson_36 (L1), UPIE_37 (L1), Wamburgrxpress_37 (L1), Wyatt2_37 (L1), Zaria_37 (L1),

Start 34:
• Found in 11 of 522 (2.1%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Nikao_40 (K1), Torres_40 (K1),

Start 36:
• Found in 145 of 522 (27.8%) of genes in pham
• Manual Annotations of this start: 119 of 464
• Called 85.5% of time when present
• Phage (with cluster) where this start called: 244_55 (E), ABCat_52 (E), Adnama_58 (E), Amao_54 (E), AmericanBeauty_58 (E), Asriel_54 (E), BaboJay_50 (E), BadStone_52 (E), Balomoji_53 (E), Barbarian_54 (E), Bask21_55 (E), Becksu_55 (E), Bench_56 (E), BigBubba_55 (E), BilboSwaggins_53 (E), Brewer_48 (E), Bruin_50 (E), Buck_55 (E), BugsBunny_55 (E), Cactus_56 (E), ChosenOne_55 (E), ChotaBhai_54 (E), Cjw1_54 (E), Command613_56 (E), Contagion_51 (E), Cookies_51 (E), CrystalP_54 (E), Czyszczon1_55 (E), Daikon_55 (E), DoctorDiddles_54 (E), DrDrey_54 (E), Dumbo_54 (E), Dusk_52 (E), Easy2Say_55 (E), Elite2014_54 (E), Elph10_54 (E), Eureka_52 (E), FairyPath_53 (E), Filch_55 (E), FireRed_57 (E), FoghornLeghorn_49 (E), Gage_57 (E), Gator_52 (E), Gemini_58 (E), Glexan_52 (E), Goku_52 (E), Goldilocks_56 (E), GooberAzure_57 (E), HanKaySha_53 (E), Harella_54 (E), Henry_53 (E), Highbury_55 (E), Holt_59 (E), Hoonter_57 (E), Hopey_54 (E), HufflyPuff_56 (E), IHOP_52 (E), Icee_54 (E), Inca_51 (E), JeTaime_55 (E), Kanye_50 (E), Kimchi_57 (E), Lilac_57 (E), Lilizi_54 (E), Lilpickle_54 (E), MISSy_54 (E), MPhalcon_54 (E), MadamMonkfish_54 (E), Manda_54 (E), Marshmallow_53 (E), Maxxinista_57 (E), Mindy_53 (E), Miniwave_51 (E), Misfit_56 (E), Moldemort_57 (E), MollyToe_49 (E), Mosby_50 (E), Murica_56 (E), Murphy_56 (E), Myrale_54 (E), Nala_55 (E), NelitzaMV_51 (E), Nimrod_57 (E), NoSleep_56 (E), NonchalantPear_54 (E), OrionPax_53 (E), PaddyBaddy_54 (E), Paperbeatsrock_53 (E), Phaja_52 (E), Pharsalus_52 (E), PhatBacter_57 (E), Phaux_56 (E), Phrux_52 (E), Policronamos_57 (E), Porky_53 (E), Pumpkin_56 (E), Quallification_55 (E), Rimmer_55 (E), RiverMonster_55 (E), Saints25_55 (E), Sassay_48 (E), ShamWow_54 (E), ShereKhan_52 (E), Simpliphy_53 (E), SophKB_51 (E), Sotrice96_55 (E), Stank_58 (E), Stark_55 (E), StellaBean_52 (E), StolenFromERC_57 (E), Tarkin_53 (E), TeardropMSU_50 (E), Terminus_56 (E), Thimble_56 (E), Thresher_57 (E), Tomaszewski_50 (E), Traaww1_50 (E), Tuco_55

(E), Ukulele_51 (E), Wiggin_56 (E), Willez_48 (E), Xandras_54 (E), Youngblood_56 (E), xkcd_58 (E),

Start 37:
• Found in 82 of 522 (15.7%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Ageofdapage_44 (K1), Apocalypse_45 (K1),

Start 38:
• Found in 36 of 522 (6.9%) of genes in pham
• No Manual Annotations of this start.
• Called 2.8% of time when present
• Phage (with cluster) where this start called: Poochiewood_36 (L1),

Start 40:
• Found in 28 of 522 (5.4%) of genes in pham
• Manual Annotations of this start: 24 of 464
• Called 89.3% of time when present
• Phage (with cluster) where this start called: Agent47_41 (K5), AlleyCat_41 (K5), BananenDer11_41 (K5), Collard_40 (K5), Dadosky_41 (K5), DoubleChamp_40 (K5), Feyre_40 (K5), Gengar_40 (K5), Guillsminger_41 (K5), Heftyboy_40 (K5), InvictusManeo_40 (K5), Kratio_39 (K5), Larva_41 (K5), Leston_40 (K5), LilDirt_40 (K5), Miryou_42 (K5), OkiRoe_40 (K5), Omnicron_43 (K5), Paola_40 (K5), Rando14_42 (K5), SoSeph_40 (K5), Thyatira_42 (K5), ViviJ_40 (K5), Waterfoul_41 (K5), ZoeJ_44 (K2),

Start 41:
• Found in 2 of 522 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Chris_44 (K1),

Start 42:
• Found in 8 of 522 (1.5%) of genes in pham
• Manual Annotations of this start: 8 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_45 (K2), DismalFunk_45 (K2), DismalStressor_45 (K2), Findley_45 (K2), Marcoliusprime_45 (K2), Milly_45 (K2), Mufasa_45 (K2), Strobilo_45 (K2),

Start 43:
• Found in 87 of 522 (16.7%) of genes in pham
• Manual Annotations of this start: 25 of 464
• Called 29.9% of time when present
• Phage (with cluster) where this start called: Adonis_42 (K1), BarrelRoll_42 (K1), Bella96_43 (K1), Boiiii_42 (K1), CallaLilly_42 (K1), Capricorn_42 (K1), CaseJules_43 (K1), DartGoblin_44 (K1), Deby_42 (K1), Devera_46 (K1), Dole_45 (K1), Doughnut_45 (K2), Homura_42 (K1), Illumine_45 (K1), Joy99_42 (K1), LaterM_43 (K1), Llorens_42 (K1), Marshawn_45 (K6), Megsy_43 (K1), Mynx_43 (K1), Pokerus_41 (K1), Prithvi_43 (K1), Stinson_43 (K1), TaiwanKao_44 (K1), TreyKay_43 (K1), Zavala_43 (K1),

Start 46:
• Found in 20 of 522 (3.8%) of genes in pham
• Manual Annotations of this start: 15 of 464
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Amelie_37 (K1), Biglebops_37 (K1), Chavito_45 (K1), Dartin_44 (K1), Enkosi_40 (K1), LilPharaoh_37 (K1), McMater_44 (K1), Mdavu_38 (K1), Niklas_44 (K1), Nutello_37 (K1), Peanam_44 (K1), Richo_44 (K1), SgtBeansprout_37 (K1), Shaobing_44 (K1), TClif_46 (K6), Teejan_40 (K1), Trice_38 (K1), Validus_46 (K1),

Start 47:
• Found in 7 of 522 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 14.3% of time when present
• Phage (with cluster) where this start called: TBond007_44 (K3),

Start 48:
• Found in 1 of 522 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KiSi_46 (K1),

Start 49:
• Found in 180 of 522 (34.5%) of genes in pham
• Manual Annotations of this start: 41 of 464
• Called 26.7% of time when present
• Phage (with cluster) where this start called: Aegeus_42 (L5), Aminay_45 (K7), Argent26_57 (E), Baudelaire_42 (L5), Bobquesha_47 (K4), Boilgate_41 (K8), Budgie_61 (E), Chancellor_46 (K4), Cheetobro_46 (K4), DanSyl44_50 (K4), Emmina_54 (E), Eponine_48 (K4), Fionnbharth_46 (K4), Flypotenuse_49 (E), GoldenSpark_57 (E), JF1_46 (K4), Juliette_48 (K4), Kostya_55 (E), Kraw_46 (K4), MalagasyRose_43 (AG), Malthus_47 (K4), MissDaisy_44 (K4), Mitti_46 (K4), Nolwazi_48 (K4), OmniCritical_45 (K4), Palpatine_57 (E), Patt_43 (K4), Petra64142_59 (E), Phrappuccino_39 (AA), Ptowny_53 (E), Qhanda_48 (K4), Rakim_56 (E), Reptar3000_44 (K4), Ruthiejr_47 (K4), SamScheppers_45 (K4), Settecandela_39 (AA), SirDuracell_53 (E), Slarp_46 (K4), Stellammi_60 (UNK), StormChicken_56 (E), TBrady12_57 (E), TeamEdward_57 (E), Teaspoon_55 (E), Toto_53 (E), Wintermute_46 (K4), Y10_45 (K4), Y2_45 (K4), YassJohnny_50 (E),

Start 50:
• Found in 57 of 522 (10.9%) of genes in pham
• Manual Annotations of this start: 27 of 464
• Called 47.4% of time when present
• Phage (with cluster) where this start called: Amohnition_44 (K6), Bryler_45 (K6), Cain_45 (K6), DarthP_44 (K6), Ekdilam_41 (K6), Hammy_44 (K6), Hurricane_45 (K3), Krueger_48 (K6), LeMond_46 (K1), Lea83_45 (K3), Lebo14_46 (K4), Nergal_39 (AG), Nibb_44 (K1), November_42 (K6), Oscar_46 (K1), Pharb_42 (K3), PhelpsODU_44 (K6), Phrank_45 (K6), Scarlett_46 (K1), Shadow1_47 (K6), SirPhilip_44 (K6), Syra333_47 (K6), Tierra_45 (K6), Tigress9_46 (K6), Unicorn_44 (K6), Ximenita_48 (K6), Yuna_48 (K6),

Start 51:

• Found in 1 of 522 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acolyte_68 (A2),

Start 53:
• Found in 95 of 522 (18.2%) of genes in pham
• Manual Annotations of this start: 10 of 464
• Called 11.6% of time when present
• Phage (with cluster) where this start called: Amgine_42 (K6), Applecrisp_41 (K6), Curiosium_45 (K1), Efra2_45 (K1), Ellie_40 (K6), Fefferhead_42 (K6), Guanica15_45 (K1), LastHope_45 (K1), Lavahound_40 (K6), TingHuaYa_43 (K1), Yunkel11_45 (K1),

Start 59:
• Found in 164 of 522 (31.4%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Pat3_52 (E),

Start 60:
• Found in 63 of 522 (12.1%) of genes in pham
• Manual Annotations of this start: 6 of 464
• Called 9.5% of time when present
• Phage (with cluster) where this start called: CrimD_42 (K1), Emerson_43 (K1), Hyperbowlee_42 (K1), Piatt_42 (K1), Rosmarinus_42 (K1), Topper_42 (K1),

Start 61:
• Found in 17 of 522 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Minerva_95 (J),

Start 62:
• Found in 73 of 522 (14.0%) of genes in pham
• Manual Annotations of this start: 33 of 464
• Called 54.8% of time when present
• Phage (with cluster) where this start called: Ariel_90 (J), BAKA_97 (J), Beem_96 (J), Bobby_87 (J), Bombitas_84 (J), BronnyJames_89 (J), Courthouse_86 (J), Dallas_97 (J), DmpstrDiver_97 (J), Duke13_91 (J), Ejimix_89 (J), EricMillard_89 (J), Gonephishing_82 (J), Halley_97 (J), Hidrated_82 (J), HokkenD_84 (J), JuicyJay_92 (J), Kalah2_89 (J), Klein_96 (J), LittleE_94 (J), Lucky2013_88 (J), Marleymoo_77 (J), MiaZeal_91 (J), Nibley_84 (J), NihilNomen_97 (J), Odette_95 (J), Omega_99 (J), Optimus_89 (J), Phoebus_97 (J), Porcelain_89 (J), Pound_87 (J), Rearden_85 (J), Redno2_87 (J), Schatzie_90 (J), Shaboozey_88 (J), Squint_89 (J), Thibault_80 (J), ThreeRngTarjay_92 (J), Wanda_99 (J), Yeet_88 (J),

Start 71:
• Found in 45 of 522 (8.6%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 6.7% of time when present
• Phage (with cluster) where this start called: FarmResident_36 (L4), Sheng711_36 (L4), Sunflower1121_48 (K6),

Start 72:
• Found in 42 of 522 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Taquito_46 (K4),

Start 75:
• Found in 49 of 522 (9.4%) of genes in pham
• Manual Annotations of this start: 5 of 464
• Called 12.2% of time when present
• Phage (with cluster) where this start called: Bagrid_94 (J), Constella_81 (J), Hannaconda_82 (J), Hughesyang_95 (J), KashFlow_86 (J), Zelink_92 (J),

Start 77:
• Found in 50 of 522 (9.6%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 6.0% of time when present
• Phage (with cluster) where this start called: Nekros_91 (J), Superphikiman_88 (J), Xiaokay_85 (J),

Start 79:
• Found in 52 of 522 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 1.9% of time when present
• Phage (with cluster) where this start called: YasnayaPolyana_46 (K4),

Start 88:
• Found in 158 of 522 (30.3%) of genes in pham
• No Manual Annotations of this start.
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Bogg_54 (E), Greep_58 (E), Livelaughbron_58 (E),

Start 94:
• Found in 127 of 522 (24.3%) of genes in pham
• No Manual Annotations of this start.
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Rossetti_39 (L2),

Start 99:
• Found in 49 of 522 (9.4%) of genes in pham
• No Manual Annotations of this start.
• Called 2.0% of time when present
• Phage (with cluster) where this start called: KirDoubleO7_35 (L3),

Start 109:
• Found in 1 of 522 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_57 (singleton),

Summary by clusters:

There are 21 clusters represented in this pham: AA, singleton, UNK, E, AG, J, L4, L5, K4, K3, K2, K1, A2, L2, K6, K5, L1, X, K8, K7, L3,

Info for manual annotations of cluster A2:
•Start number 51 was manually annotated 1 time for cluster A2.

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

Info for manual annotations of cluster AG:
•Start number 49 was manually annotated 1 time for cluster AG.
•Start number 50 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster E:
•Start number 36 was manually annotated 119 times for cluster E.
•Start number 49 was manually annotated 14 times for cluster E.
•Start number 59 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster J:
•Start number 61 was manually annotated 1 time for cluster J.
•Start number 62 was manually annotated 33 times for cluster J.
•Start number 75 was manually annotated 5 times for cluster J.
•Start number 77 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:
•Start number 14 was manually annotated 1 time for cluster K1.
•Start number 20 was manually annotated 40 times for cluster K1.
•Start number 21 was manually annotated 8 times for cluster K1.
•Start number 25 was manually annotated 2 times for cluster K1.
•Start number 33 was manually annotated 1 time for cluster K1.
•Start number 34 was manually annotated 2 times for cluster K1.
•Start number 37 was manually annotated 2 times for cluster K1.
•Start number 41 was manually annotated 1 time for cluster K1.
•Start number 43 was manually annotated 23 times for cluster K1.
•Start number 46 was manually annotated 14 times for cluster K1.
•Start number 48 was manually annotated 1 time for cluster K1.
•Start number 50 was manually annotated 4 times for cluster K1.
•Start number 53 was manually annotated 5 times for cluster K1.
•Start number 60 was manually annotated 6 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 40 was manually annotated 1 time for cluster K2.
•Start number 42 was manually annotated 8 times for cluster K2.
•Start number 43 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K3:
•Start number 33 was manually annotated 5 times for cluster K3.
•Start number 47 was manually annotated 1 time for cluster K3.
•Start number 50 was manually annotated 3 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 49 was manually annotated 19 times for cluster K4.

•Start number 50 was manually annotated 1 time for cluster K4.
•Start number 72 was manually annotated 1 time for cluster K4.
•Start number 79 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:
•Start number 27 was manually annotated 2 times for cluster K5.
•Start number 40 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 43 was manually annotated 1 time for cluster K6.
•Start number 46 was manually annotated 1 time for cluster K6.
•Start number 50 was manually annotated 18 times for cluster K6.
•Start number 53 was manually annotated 5 times for cluster K6.
•Start number 71 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 49 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 49 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:
•Start number 33 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 32 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 8 was manually annotated 1 time for cluster L3.
•Start number 21 was manually annotated 1 time for cluster L3.
•Start number 32 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 32 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 49 was manually annotated 2 times for cluster L5.

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

Info for manual annotations of cluster X:
•Start number 31 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 244_55 Start: 39721, Stop: 38948, Start Num: 36
Candidate Starts for 244_55:
(Start: 36 @39721 has 119 MA's), (Start: 49 @39697 has 41 MA's), (Start: 59 @39667 has 1 MA's), (88, 39559), (120, 39463), (142, 39382), (150, 39358), (153, 39349), (156, 39340), (207, 39235), (209, 39229), (211, 39223), (258, 39079), (263, 39067), (274, 39043), (302, 38956),

Gene: ABCat_52 Start: 40367, Stop: 39594, Start Num: 36
Candidate Starts for ABCat_52:
(Start: 36 @40367 has 119 MA's), (Start: 49 @40343 has 41 MA's), (Start: 59 @40313 has 1 MA's), (88, 40205), (120, 40109), (142, 40028), (150, 40004), (153, 39995), (156, 39986), (207, 39881), (209, 39875), (211, 39869), (258, 39725), (274, 39689), (302, 39602),

Gene: Acolyte_68 Start: 43894, Stop: 44586, Start Num: 51
Candidate Starts for Acolyte_68:
(Start: 51 @43894 has 1 MA's), (88, 44026), (91, 44038), (118, 44119), (121, 44128), (128, 44149), (133, 44167), (153, 44239), (154, 44242), (158, 44254), (162, 44263), (204, 44335), (211, 44356), (213, 44362), (219, 44380), (220, 44383), (248, 44464), (281, 44518),

Gene: Acquire49_37 Start: 32374, Stop: 31592, Start Num: 33
Candidate Starts for Acquire49_37:
(Start: 33 @32374 has 25 MA's), (38, 32356), (123, 32089), (131, 32062), (132, 32059), (140, 32029), (142, 32017), (149, 31996), (172, 31948), (213, 31855), (224, 31819), (254, 31729), (277, 31675),

Gene: ActinUp_42 Start: 34574, Stop: 33672, Start Num: 20
Candidate Starts for ActinUp_42:
(Start: 20 @34574 has 40 MA's), (Start: 37 @34517 has 2 MA's), (Start: 43 @34511 has 25 MA's), (Start: 53 @34487 has 10 MA's), (Start: 60 @34466 has 6 MA's), (68, 34442), (90, 34352), (94, 34343), (128, 34238), (129, 34235), (131, 34226), (135, 34208), (137, 34202), (153, 34154), (159, 34136), (170, 34106), (176, 34094), (182, 34085), (208, 34028), (213, 34013), (232, 33956), (248, 33905), (254, 33890), (269, 33863), (279, 33842), (283, 33830),

Gene: Adephagia_42 Start: 34550, Stop: 33669, Start Num: 25
Candidate Starts for Adephagia_42:
(Start: 20 @34571 has 40 MA's), (Start: 25 @34550 has 2 MA's), (Start: 37 @34514 has 2 MA's), (Start: 43 @34508 has 25 MA's), (Start: 53 @34484 has 10 MA's), (Start: 60 @34463 has 6 MA's), (68, 34439), (90, 34349), (94, 34340), (128, 34235), (129, 34232), (131, 34223), (135, 34205), (137, 34199), (153, 34151), (159, 34133), (170, 34103), (176, 34091), (182, 34082), (208, 34025), (213, 34010), (232, 33953), (248, 33902), (254, 33887), (269, 33860), (279, 33839), (283, 33827),

Gene: Adnama_58 Start: 40390, Stop: 39617, Start Num: 36
Candidate Starts for Adnama_58:
(Start: 36 @40390 has 119 MA's), (Start: 49 @40366 has 41 MA's), (Start: 59 @40336 has 1 MA's), (88, 40228), (120, 40132), (142, 40051), (150, 40027), (153, 40018), (156, 40009), (207, 39904), (209, 39898), (211, 39892), (258, 39748), (263, 39736), (274, 39712), (302, 39625),

Gene: Adonis_42 Start: 34806, Stop: 33967, Start Num: 43
Candidate Starts for Adonis_42:
(Start: 21 @34860 has 9 MA's), (Start: 37 @34812 has 2 MA's), (Start: 43 @34806 has 25 MA's), (Start: 53 @34782 has 10 MA's), (Start: 61 @34758 has 1 MA's), (68, 34737), (90, 34647), (94, 34638), (128, 34533), (129, 34530), (131, 34521), (135, 34503), (150, 34458), (153, 34449), (159, 34431), (170, 34401), (176, 34389), (182, 34380), (213, 34308), (232, 34251), (254, 34185), (279, 34137), (283, 34125), (293, 34086),

Gene: Aegeus_42 Start: 36206, Stop: 35445, Start Num: 49
Candidate Starts for Aegeus_42:
(Start: 49 @36206 has 41 MA's), (66, 36155), (76, 36104), (88, 36068), (125, 35954), (152, 35861), (153, 35858), (182, 35798), (202, 35765), (206, 35753), (220, 35711), (221, 35705), (255, 35606), (270, 35573),

Gene: Agent47_41 Start: 34000, Stop: 33149, Start Num: 40
Candidate Starts for Agent47_41:
(Start: 40 @34000 has 24 MA's), (80, 33871), (95, 33829), (128, 33730), (131, 33718), (144, 33670), (156, 33640), (161, 33622), (177, 33586), (233, 33427), (237, 33412), (241, 33400), (252, 33367), (256, 33358), (271, 33340), (274, 33334), (280, 33319), (293, 33271), (301, 33250),

Gene: Ageofdapage_44 Start: 35489, Stop: 34644, Start Num: 37
Candidate Starts for Ageofdapage_44:
(Start: 20 @35546 has 40 MA's), (Start: 25 @35525 has 2 MA's), (Start: 37 @35489 has 2 MA's), (Start: 43 @35483 has 25 MA's), (Start: 53 @35459 has 10 MA's), (Start: 60 @35438 has 6 MA's), (Start: 61 @35435 has 1 MA's), (68, 35414), (90, 35324), (94, 35315), (128, 35210), (129, 35207), (131, 35198), (135, 35180), (150, 35135), (153, 35126), (176, 35066), (182, 35057), (213, 34985), (232, 34928), (234, 34919), (254, 34862), (271, 34832), (279, 34814), (283, 34802), (307, 34712),

Gene: AlishaPH_42 Start: 34836, Stop: 33943, Start Num: 21
Candidate Starts for AlishaPH_42:
(Start: 21 @34836 has 9 MA's), (Start: 37 @34788 has 2 MA's), (Start: 43 @34782 has 25 MA's), (Start: 53 @34758 has 10 MA's), (68, 34713), (90, 34623), (94, 34614), (128, 34509), (129, 34506), (131, 34497), (135, 34479), (137, 34473), (153, 34425), (159, 34407), (170, 34377), (176, 34365), (182, 34356), (213, 34284), (232, 34227), (254, 34161), (269, 34134), (279, 34113), (283, 34101),

Gene: AlleyCat_41 Start: 33853, Stop: 33002, Start Num: 40
Candidate Starts for AlleyCat_41:
(13, 33955), (Start: 27 @33889 has 2 MA's), (Start: 40 @33853 has 24 MA's), (Start: 59 @33808 has 1 MA's), (78, 33730), (95, 33682), (128, 33583), (131, 33571), (144, 33523), (156, 33493), (161, 33475), (177, 33439), (181, 33433), (188, 33406), (233, 33280), (237, 33265), (241, 33253), (256, 33211), (280, 33172), (293, 33124),

Gene: Amao_54 Start: 39485, Stop: 38712, Start Num: 36
Candidate Starts for Amao_54:
(Start: 36 @39485 has 119 MA's), (Start: 49 @39461 has 41 MA's), (Start: 59 @39431 has 1 MA's), (88, 39323), (120, 39227), (142, 39146), (150, 39122), (153, 39113), (156, 39104), (207, 38999), (209, 38993), (211, 38987), (258, 38843), (263, 38831), (274, 38807), (302, 38720),

Gene: Amelie_37 Start: 34082, Stop: 33180, Start Num: 46
Candidate Starts for Amelie_37:
(Start: 34 @34100 has 2 MA's), (Start: 46 @34082 has 15 MA's), (Start: 62 @34034 has 33 MA's), (69, 34007), (73, 33989), (Start: 79 @33956 has 1 MA's), (84, 33938), (87, 33932), (90, 33920), (118, 33836), (123, 33821), (128, 33806), (138, 33764), (151, 33728), (157, 33710), (173, 33668), (186, 33650), (204, 33611), (226, 33542), (238, 33503), (243, 33488), (267, 33434), (276, 33416), (283, 33398), (293, 33359), (311, 33293), (332, 33203),

Gene: AmericanBeauty_58 Start: 40235, Stop: 39462, Start Num: 36
Candidate Starts for AmericanBeauty_58:
(Start: 36 @40235 has 119 MA's), (Start: 49 @40211 has 41 MA's), (Start: 59 @40181 has 1 MA's), (88, 40073), (120, 39977), (142, 39896), (150, 39872), (153, 39863), (156, 39854), (207, 39749), (209, 39743), (211, 39737), (258, 39593), (263, 39581), (274, 39557), (302, 39470),

Gene: Amgine_42 Start: 35522, Stop: 34689, Start Num: 53
Candidate Starts for Amgine_42:
(Start: 53 @35522 has 10 MA's), (67, 35483), (Start: 71 @35459 has 1 MA's), (78, 35429), (142, 35228), (150, 35204), (153, 35195), (157, 35183), (159, 35177), (163, 35165), (179, 35132), (189,

35105), (215, 35042), (219, 35030), (246, 34946), (280, 34877), (286, 34859), (289, 34847), (293, 34829),

Gene: Aminay_45 Start: 36061, Stop: 35288, Start Num: 49
Candidate Starts for Aminay_45:
(Start: 49 @36061 has 41 MA's), (Start: 61 @36025 has 1 MA's), (82, 35938), (85, 35929), (108, 35857), (125, 35809), (127, 35806), (128, 35800), (130, 35794), (139, 35758), (153, 35716), (182, 35647), (202, 35614), (203, 35611), (208, 35596), (216, 35572), (224, 35545), (228, 35530), (246, 35476), (271, 35416), (275, 35407),

Gene: Amohnition_44 Start: 35581, Stop: 34757, Start Num: 50
Candidate Starts for Amohnition_44:
(Start: 50 @35581 has 27 MA's), (89, 35452), (99, 35425), (103, 35413), (142, 35281), (149, 35260), (150, 35257), (153, 35248), (157, 35236), (159, 35230), (163, 35218), (169, 35203), (192, 35161), (219, 35092), (246, 35011), (270, 34966), (281, 34939), (293, 34894),

Gene: Anaya_44 Start: 35172, Stop: 34279, Start Num: 21
Candidate Starts for Anaya_44:
(Start: 21 @35172 has 9 MA's), (Start: 37 @35124 has 2 MA's), (Start: 43 @35118 has 25 MA's), (Start: 53 @35094 has 10 MA's), (Start: 61 @35070 has 1 MA's), (68, 35049), (Start: 72 @35025 has 1 MA's), (90, 34959), (94, 34950), (128, 34845), (129, 34842), (131, 34833), (135, 34815), (150, 34770), (153, 34761), (159, 34743), (170, 34713), (176, 34701), (182, 34692), (213, 34620), (232, 34563), (254, 34497), (279, 34449), (283, 34437),

Gene: Angelica_42 Start: 34792, Stop: 33899, Start Num: 21
Candidate Starts for Angelica_42:
(Start: 21 @34792 has 9 MA's), (Start: 37 @34744 has 2 MA's), (Start: 43 @34738 has 25 MA's), (Start: 53 @34714 has 10 MA's), (68, 34669), (94, 34570), (128, 34465), (129, 34462), (131, 34453), (135, 34435), (153, 34381), (159, 34363), (170, 34333), (176, 34321), (182, 34312), (213, 34240), (232, 34183), (254, 34117), (269, 34090), (279, 34069), (283, 34057),

Gene: Anma_43 Start: 35473, Stop: 34568, Start Num: 20
Candidate Starts for Anma_43:
(Start: 20 @35473 has 40 MA's), (Start: 37 @35413 has 2 MA's), (Start: 43 @35407 has 25 MA's), (Start: 53 @35383 has 10 MA's), (58, 35368), (Start: 61 @35359 has 1 MA's), (68, 35338), (Start: 72 @35314 has 1 MA's), (78, 35287), (90, 35248), (94, 35239), (128, 35134), (129, 35131), (135, 35104), (143, 35080), (150, 35059), (153, 35050), (159, 35032), (176, 34990), (182, 34981), (200, 34945), (213, 34909), (232, 34852), (254, 34786), (283, 34726), (307, 34636),

Gene: Apocalypse_45 Start: 35530, Stop: 34685, Start Num: 37
Candidate Starts for Apocalypse_45:
(Start: 21 @35578 has 9 MA's), (Start: 37 @35530 has 2 MA's), (Start: 43 @35524 has 25 MA's), (Start: 53 @35500 has 10 MA's), (68, 35455), (94, 35356), (128, 35251), (129, 35248), (131, 35239), (135, 35221), (153, 35167), (159, 35149), (176, 35107), (182, 35098), (232, 34969), (254, 34903), (283, 34843),

Gene: Applecrisp_41 Start: 35019, Stop: 34186, Start Num: 53
Candidate Starts for Applecrisp_41:
(Start: 53 @35019 has 10 MA's), (67, 34980), (Start: 71 @34956 has 1 MA's), (78, 34926), (142, 34725), (150, 34701), (153, 34692), (157, 34680), (159, 34674), (163, 34662), (179, 34629), (186, 34608), (189, 34602), (198, 34587), (215, 34539), (219, 34527), (280, 34374), (286, 34356), (289, 34344), (293, 34326),

Gene: Appletree2_36 Start: 32316, Stop: 31534, Start Num: 33
Candidate Starts for Appletree2_36:
(Start: 33 @32316 has 25 MA's), (38, 32298), (123, 32031), (131, 32004), (132, 32001), (140, 31971), (142, 31959), (149, 31938), (172, 31890), (213, 31797), (224, 31761), (254, 31671), (277, 31617),

Gene: Archie_39 Start: 33946, Stop: 33167, Start Num: 32
Candidate Starts for Archie_39:
(Start: 32 @33946 has 54 MA's), (55, 33889), (83, 33778), (94, 33751), (115, 33679), (118, 33673), (131, 33631), (146, 33574), (148, 33568), (254, 33307), (257, 33298), (277, 33253),

Gene: Argent26_57 Start: 39849, Stop: 39100, Start Num: 49
Candidate Starts for Argent26_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: Ariel_90 Start: 53471, Stop: 52764, Start Num: 62
Candidate Starts for Ariel_90:
(Start: 62 @53471 has 33 MA's), (Start: 75 @53417 has 5 MA's), (Start: 77 @53408 has 1 MA's), (110, 53312), (116, 53294), (142, 53213), (146, 53201), (148, 53195), (150, 53189), (153, 53180), (171, 53138), (203, 53087), (204, 53084), (229, 53003), (235, 52985), (248, 52946), (254, 52934), (256, 52928), (257, 52925), (270, 52883), (274, 52874), (278, 52865), (279, 52862), (293, 52811),

Gene: Asayake_42 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for Asayake_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Asriel_54 Start: 38727, Stop: 37954, Start Num: 36
Candidate Starts for Asriel_54:
(Start: 36 @38727 has 119 MA's), (Start: 49 @38703 has 41 MA's), (Start: 59 @38673 has 1 MA's), (88, 38565), (120, 38469), (142, 38388), (150, 38364), (153, 38355), (156, 38346), (207, 38241), (209, 38235), (211, 38229), (258, 38085), (263, 38073), (274, 38049), (302, 37962),

Gene: Atiba_42 Start: 34534, Stop: 33632, Start Num: 20
Candidate Starts for Atiba_42:
(Start: 20 @34534 has 40 MA's), (Start: 37 @34477 has 2 MA's), (Start: 43 @34471 has 25 MA's), (Start: 53 @34447 has 10 MA's), (Start: 60 @34426 has 6 MA's), (68, 34402), (90, 34312), (94, 34303), (128, 34198), (129, 34195), (131, 34186), (135, 34168), (137, 34162), (153, 34114), (159, 34096), (170, 34066), (176, 34054), (182, 34045), (208, 33988), (213, 33973), (232, 33916), (248, 33865), (254, 33850), (269, 33823), (279, 33802), (283, 33790),

Gene: AvadaKedavra_37 Start: 32383, Stop: 31601, Start Num: 33
Candidate Starts for AvadaKedavra_37:
(Start: 33 @32383 has 25 MA's), (38, 32365), (123, 32098), (131, 32071), (132, 32068), (140, 32038), (142, 32026), (149, 32005), (172, 31957), (213, 31864), (224, 31828), (254, 31738), (277, 31684),

Gene: BAKA_97 Start: 59373, Stop: 58666, Start Num: 62
Candidate Starts for BAKA_97:

(Start: 62 @59373 has 33 MA's), (Start: 75 @59319 has 5 MA's), (Start: 77 @59310 has 1 MA's), (84, 59286), (110, 59214), (142, 59115), (146, 59103), (153, 59082), (202, 58992), (204, 58986), (229, 58905), (235, 58887), (248, 58848), (256, 58830), (257, 58827), (274, 58776), (279, 58764), (293, 58713),

Gene: BEEST_42 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for BEEST_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: BGlluviae_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for BGlluviae_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: BaboJay_50 Start: 39273, Stop: 38500, Start Num: 36
Candidate Starts for BaboJay_50:
(Start: 36 @39273 has 119 MA's), (Start: 49 @39249 has 41 MA's), (Start: 59 @39219 has 1 MA's), (88, 39111), (120, 39015), (142, 38934), (150, 38910), (153, 38901), (156, 38892), (207, 38787), (209, 38781), (211, 38775), (258, 38631), (263, 38619), (274, 38595), (302, 38508),

Gene: BadStone_52 Start: 39936, Stop: 39163, Start Num: 36
Candidate Starts for BadStone_52:
(Start: 36 @39936 has 119 MA's), (Start: 49 @39912 has 41 MA's), (Start: 59 @39882 has 1 MA's), (88, 39774), (120, 39678), (142, 39597), (150, 39573), (153, 39564), (156, 39555), (207, 39450), (209, 39444), (211, 39438), (258, 39294), (263, 39282), (274, 39258), (302, 39171),

Gene: BaghaKamala_41 Start: 34011, Stop: 33109, Start Num: 20
Candidate Starts for BaghaKamala_41:
(Start: 20 @34011 has 40 MA's), (Start: 37 @33954 has 2 MA's), (Start: 43 @33948 has 25 MA's), (Start: 53 @33924 has 10 MA's), (68, 33879), (Start: 72 @33855 has 1 MA's), (90, 33789), (94, 33780), (128, 33675), (129, 33672), (131, 33663), (135, 33645), (137, 33639), (153, 33591), (159, 33573), (170, 33543), (176, 33531), (182, 33522), (213, 33450), (232, 33393), (254, 33327), (269, 33300), (279, 33279), (283, 33267),

Gene: Bagrid_94 Start: 58185, Stop: 57532, Start Num: 75
Candidate Starts for Bagrid_94:
(Start: 62 @58239 has 33 MA's), (Start: 75 @58185 has 5 MA's), (Start: 77 @58176 has 1 MA's), (110, 58080), (142, 57981), (146, 57969), (153, 57948), (202, 57858), (204, 57852), (229, 57771), (235, 57753), (248, 57714), (256, 57696), (257, 57693), (274, 57642), (279, 57630), (293, 57579),

Gene: Balomoji_53 Start: 40204, Stop: 39431, Start Num: 36
Candidate Starts for Balomoji_53:
(Start: 36 @40204 has 119 MA's), (Start: 49 @40180 has 41 MA's), (Start: 59 @40150 has 1 MA's), (88, 40042), (120, 39946), (142, 39865), (150, 39841), (153, 39832), (156, 39823), (207, 39718), (209, 39712), (211, 39706), (258, 39562), (263, 39550), (274, 39526), (302, 39439),

Gene: BananenDer11_41 Start: 33961, Stop: 33110, Start Num: 40
Candidate Starts for BananenDer11_41:
(Start: 40 @33961 has 24 MA's), (80, 33832), (95, 33790), (128, 33691), (131, 33679), (144, 33631), (156, 33601), (161, 33583), (177, 33547), (233, 33388), (237, 33373), (241, 33361), (252, 33328), (256, 33319), (271, 33301), (274, 33295), (280, 33280), (293, 33232), (301, 33211),

Gene: Baoshan_38 Start: 33577, Stop: 32798, Start Num: 32
Candidate Starts for Baoshan_38:
(Start: 32 @33577 has 54 MA's), (55, 33520), (81, 33421), (88, 33400), (94, 33382), (115, 33310), (118, 33304), (131, 33262), (144, 33211), (148, 33199), (150, 33193), (153, 33184), (201, 33088), (247, 32956), (277, 32884),

Gene: Barbarian_54 Start: 38727, Stop: 37954, Start Num: 36
Candidate Starts for Barbarian_54:
(Start: 36 @38727 has 119 MA's), (Start: 49 @38703 has 41 MA's), (Start: 59 @38673 has 1 MA's), (88, 38565), (120, 38469), (142, 38388), (150, 38364), (153, 38355), (156, 38346), (207, 38241), (209, 38235), (211, 38229), (258, 38085), (263, 38073), (274, 38049), (302, 37962),

Gene: BarrelRoll_42 Start: 34494, Stop: 33655, Start Num: 43
Candidate Starts for BarrelRoll_42:
(Start: 20 @34557 has 40 MA's), (Start: 37 @34500 has 2 MA's), (Start: 43 @34494 has 25 MA's), (Start: 53 @34470 has 10 MA's), (Start: 60 @34449 has 6 MA's), (68, 34425), (90, 34335), (94, 34326), (128, 34221), (129, 34218), (131, 34209), (135, 34191), (137, 34185), (153, 34137), (159, 34119), (170, 34089), (176, 34077), (182, 34068), (208, 34011), (213, 33996), (232, 33939), (248, 33888), (254, 33873), (269, 33846), (283, 33813),

Gene: Bask21_55 Start: 39043, Stop: 38288, Start Num: 36
Candidate Starts for Bask21_55:
(Start: 36 @39043 has 119 MA's), (Start: 49 @39019 has 41 MA's), (Start: 59 @38989 has 1 MA's), (88, 38881), (120, 38785), (142, 38704), (150, 38680), (207, 38575), (209, 38569), (211, 38563), (258, 38419), (263, 38407), (274, 38383), (302, 38296),

Gene: Baudelaire_42 Start: 36206, Stop: 35445, Start Num: 49
Candidate Starts for Baudelaire_42:
(Start: 49 @36206 has 41 MA's), (66, 36155), (76, 36104), (88, 36068), (125, 35954), (152, 35861), (153, 35858), (182, 35798), (202, 35765), (206, 35753), (220, 35711), (221, 35705), (255, 35606), (270, 35573),

Gene: Bazzle_39 Start: 33979, Stop: 33200, Start Num: 32
Candidate Starts for Bazzle_39:
(Start: 32 @33979 has 54 MA's), (55, 33922), (94, 33784), (106, 33736), (115, 33712), (118, 33706), (131, 33664), (148, 33601), (223, 33424), (254, 33340), (257, 33331), (277, 33286),

Gene: Becksu_55 Start: 40270, Stop: 39497, Start Num: 36
Candidate Starts for Becksu_55:
(Start: 36 @40270 has 119 MA's), (Start: 49 @40246 has 41 MA's), (Start: 59 @40216 has 1 MA's), (88, 40108), (120, 40012), (142, 39931), (150, 39907), (153, 39898), (156, 39889), (207, 39784), (209, 39778), (211, 39772), (258, 39628), (263, 39616), (274, 39592), (302, 39505),

Gene: Beem_96 Start: 59100, Stop: 58393, Start Num: 62
Candidate Starts for Beem_96:
(Start: 62 @59100 has 33 MA's), (Start: 75 @59046 has 5 MA's), (Start: 77 @59037 has 1 MA's), (110, 58941), (142, 58842), (146, 58830), (153, 58809), (202, 58719), (204, 58713), (229, 58632), (235,

58614), (248, 58575), (256, 58557), (257, 58554), (274, 58503), (279, 58491), (293, 58440),

Gene: Beezoo_44 Start: 35566, Stop: 34634, Start Num: 14
Candidate Starts for Beezoo_44:
(Start: 14 @35566 has 1 MA's), (Start: 20 @35536 has 40 MA's), (Start: 25 @35515 has 2 MA's), (Start: 37 @35479 has 2 MA's), (Start: 43 @35473 has 25 MA's), (Start: 53 @35449 has 10 MA's), (68, 35404), (Start: 72 @35380 has 1 MA's), (90, 35314), (94, 35305), (128, 35200), (129, 35197), (131, 35188), (150, 35125), (153, 35116), (159, 35098), (170, 35068), (176, 35056), (182, 35047), (232, 34918), (248, 34867), (254, 34852), (269, 34825), (279, 34804), (283, 34792),

Gene: Bella96_43 Start: 35364, Stop: 34525, Start Num: 43
Candidate Starts for Bella96_43:
(Start: 21 @35418 has 9 MA's), (Start: 37 @35370 has 2 MA's), (Start: 43 @35364 has 25 MA's), (Start: 53 @35340 has 10 MA's), (58, 35325), (Start: 61 @35316 has 1 MA's), (68, 35295), (Start: 72 @35271 has 1 MA's), (78, 35244), (90, 35205), (94, 35196), (128, 35091), (129, 35088), (135, 35061), (137, 35055), (143, 35037), (150, 35016), (153, 35007), (159, 34989), (176, 34947), (182, 34938), (213, 34866), (232, 34809), (248, 34758), (254, 34743), (279, 34695), (283, 34683), (307, 34593),

Gene: Belladonna_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Belladonna_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Bellis_37 Start: 34070, Stop: 33189, Start Num: 8
Candidate Starts for Bellis_37:
(Start: 8 @34070 has 1 MA's), (18, 34028), (Start: 32 @33980 has 54 MA's), (38, 33962), (57, 33926), (Start: 79 @33842 has 1 MA's), (82, 33830), (99, 33779), (102, 33770), (118, 33719), (121, 33713), (153, 33602), (205, 33488), (214, 33461), (229, 33404), (272, 33290), (290, 33236), (298, 33203),

Gene: Bench_56 Start: 39705, Stop: 38932, Start Num: 36
Candidate Starts for Bench_56:
(Start: 36 @39705 has 119 MA's), (Start: 49 @39681 has 41 MA's), (Start: 59 @39651 has 1 MA's), (88, 39543), (120, 39447), (142, 39366), (150, 39342), (153, 39333), (156, 39324), (207, 39219), (209, 39213), (211, 39207), (258, 39063), (263, 39051), (274, 39027), (302, 38940),

Gene: BigBubba_55 Start: 39746, Stop: 38973, Start Num: 36
Candidate Starts for BigBubba_55:
(Start: 36 @39746 has 119 MA's), (Start: 49 @39722 has 41 MA's), (Start: 59 @39692 has 1 MA's), (88, 39584), (120, 39488), (142, 39407), (150, 39383), (153, 39374), (156, 39365), (207, 39260), (209, 39254), (211, 39248), (258, 39104), (263, 39092), (274, 39068), (302, 38981),

Gene: BigCheese_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for BigCheese_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Biglebops_37 Start: 34082, Stop: 33180, Start Num: 46
Candidate Starts for Biglebops_37:
(Start: 34 @34100 has 2 MA's), (Start: 46 @34082 has 15 MA's), (Start: 62 @34034 has 33 MA's), (69, 34007), (73, 33989), (Start: 79 @33956 has 1 MA's), (84, 33938), (87, 33932), (90, 33920), (118,

33836), (123, 33821), (128, 33806), (138, 33764), (151, 33728), (157, 33710), (173, 33668), (186, 33650), (204, 33611), (226, 33542), (238, 33503), (243, 33488), (267, 33434), (276, 33416), (283, 33398), (293, 33359), (311, 33293), (332, 33203),

Gene: BilboSwaggins_53 Start: 40375, Stop: 39602, Start Num: 36
Candidate Starts for BilboSwaggins_53:
(Start: 36 @40375 has 119 MA's), (Start: 49 @40351 has 41 MA's), (Start: 59 @40321 has 1 MA's), (88, 40213), (120, 40117), (142, 40036), (150, 40012), (153, 40003), (156, 39994), (207, 39889), (209, 39883), (211, 39877), (258, 39733), (263, 39721), (274, 39697), (302, 39610),

Gene: Blizzard_42 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for Blizzard_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Bobby_87 Start: 57466, Stop: 56759, Start Num: 62
Candidate Starts for Bobby_87:
(Start: 62 @57466 has 33 MA's), (Start: 75 @57412 has 5 MA's), (Start: 77 @57403 has 1 MA's), (84, 57379), (110, 57307), (142, 57208), (146, 57196), (153, 57175), (202, 57085), (204, 57079), (229, 56998), (235, 56980), (248, 56941), (256, 56923), (257, 56920), (274, 56869), (279, 56857), (293, 56806),

Gene: Bobquesha_47 Start: 34969, Stop: 34178, Start Num: 49
Candidate Starts for Bobquesha_47:
(Start: 49 @34969 has 41 MA's), (58, 34942), (68, 34912), (69, 34903), (100, 34798), (110, 34765), (122, 34729), (124, 34723), (128, 34711), (129, 34708), (131, 34699), (138, 34669), (153, 34624), (158, 34609), (212, 34501), (221, 34471), (228, 34444), (238, 34417), (248, 34387), (286, 34291), (293, 34261),

Gene: BobsGarage_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for BobsGarage_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Bogg_54 Start: 38857, Stop: 38246, Start Num: 88
Candidate Starts for Bogg_54:
(Start: 36 @39019 has 119 MA's), (Start: 49 @38995 has 41 MA's), (Start: 59 @38965 has 1 MA's), (88, 38857), (120, 38761), (142, 38680), (150, 38656), (153, 38647), (156, 38638), (207, 38533), (209, 38527), (211, 38521), (258, 38377), (263, 38365), (274, 38341), (302, 38254),

Gene: Boiiii_42 Start: 34825, Stop: 33986, Start Num: 43
Candidate Starts for Boiiii_42:
(Start: 20 @34888 has 40 MA's), (Start: 25 @34867 has 2 MA's), (Start: 37 @34831 has 2 MA's), (Start: 43 @34825 has 25 MA's), (Start: 53 @34801 has 10 MA's), (Start: 60 @34780 has 6 MA's), (68, 34756), (90, 34666), (94, 34657), (128, 34552), (129, 34549), (131, 34540), (135, 34522), (137, 34516), (153, 34468), (159, 34450), (170, 34420), (176, 34408), (182, 34399), (213, 34327), (232, 34270), (248, 34219), (254, 34204), (269, 34177), (279, 34156), (283, 34144),

Gene: Boilgate_41 Start: 35761, Stop: 34991, Start Num: 49
Candidate Starts for Boilgate_41:

(Start: 49 @35761 has 41 MA's), (55, 35743), (63, 35719), (66, 35710), (70, 35689), (Start: 79 @35650 has 1 MA's), (95, 35605), (100, 35590), (122, 35521), (124, 35515), (128, 35503), (138, 35461), (153, 35416), (182, 35350), (219, 35266), (232, 35221), (238, 35203), (255, 35158), (276, 35107), (286, 35080), (288, 35071), (296, 35041), (308, 34996),

Gene: Bombitas_84 Start: 56263, Stop: 55556, Start Num: 62
Candidate Starts for Bombitas_84:
(Start: 62 @56263 has 33 MA's), (Start: 75 @56209 has 5 MA's), (Start: 77 @56200 has 1 MA's), (110, 56104), (142, 56005), (146, 55993), (153, 55972), (202, 55882), (204, 55876), (229, 55795), (235, 55777), (248, 55738), (256, 55720), (257, 55717), (274, 55666), (279, 55654), (293, 55603),

Gene: BoostSeason_45 Start: 36162, Stop: 35314, Start Num: 42
Candidate Starts for BoostSeason_45:
(Start: 42 @36162 has 8 MA's), (56, 36129), (98, 35979), (128, 35886), (137, 35847), (140, 35841), (144, 35826), (156, 35796), (160, 35781), (186, 35736), (293, 35451), (303, 35421),

Gene: BourbonZero_36 Start: 33952, Stop: 33161, Start Num: 32
Candidate Starts for BourbonZero_36:
(Start: 32 @33952 has 54 MA's), (57, 33898), (92, 33775), (102, 33742), (118, 33691), (121, 33685), (153, 33574), (205, 33460), (214, 33433), (229, 33376), (238, 33349), (298, 33175),

Gene: BrainDrainer_37 Start: 32627, Stop: 31839, Start Num: 32
Candidate Starts for BrainDrainer_37:
(Start: 32 @32627 has 54 MA's), (55, 32570), (58, 32561), (Start: 71 @32510 has 1 MA's), (81, 32471), (86, 32453), (112, 32375), (115, 32360), (118, 32354), (131, 32312), (154, 32231), (174, 32189), (186, 32171), (218, 32087), (224, 32066), (254, 31976), (272, 31934), (277, 31922),

Gene: Breezona_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Breezona_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Brewer_48 Start: 38535, Stop: 37762, Start Num: 36
Candidate Starts for Brewer_48:
(Start: 36 @38535 has 119 MA's), (Start: 49 @38511 has 41 MA's), (Start: 59 @38481 has 1 MA's), (88, 38373), (120, 38277), (142, 38196), (150, 38172), (153, 38163), (156, 38154), (207, 38049), (209, 38043), (211, 38037), (258, 37893), (263, 37881), (274, 37857), (302, 37770),

Gene: Bromden_38 Start: 33174, Stop: 32386, Start Num: 32
Candidate Starts for Bromden_38:
(Start: 32 @33174 has 54 MA's), (55, 33117), (56, 33114), (81, 33018), (88, 32997), (92, 32985), (112, 32922), (115, 32907), (118, 32901), (131, 32859), (150, 32790), (170, 32745), (194, 32700), (213, 32649), (216, 32640), (218, 32634), (233, 32586), (236, 32574), (254, 32523), (272, 32481),

Gene: BronnyJames_89 Start: 53953, Stop: 53246, Start Num: 62
Candidate Starts for BronnyJames_89:
(Start: 62 @53953 has 33 MA's), (Start: 75 @53899 has 5 MA's), (Start: 77 @53890 has 1 MA's), (142, 53695), (146, 53683), (148, 53677), (150, 53671), (153, 53662), (171, 53620), (204, 53566), (229, 53485), (235, 53467), (248, 53428), (254, 53416), (256, 53410), (257, 53407), (270, 53365), (278, 53347), (293, 53293),

Gene: Bruin_50 Start: 38614, Stop: 37841, Start Num: 36
Candidate Starts for Bruin_50:

(Start: 36 @38614 has 119 MA's), (Start: 49 @38590 has 41 MA's), (Start: 59 @38560 has 1 MA's), (88, 38452), (120, 38356), (142, 38275), (150, 38251), (153, 38242), (156, 38233), (207, 38128), (209, 38122), (211, 38116), (258, 37972), (263, 37960), (274, 37936), (302, 37849),

Gene: Bryler_45 Start: 34405, Stop: 33539, Start Num: 50
Candidate Starts for Bryler_45:
(Start: 50 @34405 has 27 MA's), (Start: 72 @34333 has 1 MA's), (118, 34189), (129, 34156), (142, 34105), (150, 34081), (153, 34072), (157, 34060), (205, 33955), (211, 33937), (215, 33925), (219, 33913), (233, 33874), (246, 33832), (282, 33757), (289, 33733), (319, 33607),

Gene: Buck_55 Start: 40321, Stop: 39548, Start Num: 36
Candidate Starts for Buck_55:
(Start: 36 @40321 has 119 MA's), (Start: 49 @40297 has 41 MA's), (Start: 59 @40267 has 1 MA's), (88, 40159), (120, 40063), (142, 39982), (150, 39958), (153, 39949), (156, 39940), (207, 39835), (209, 39829), (211, 39823), (258, 39679), (263, 39667), (274, 39643), (302, 39556),

Gene: Budgie_61 Start: 40856, Stop: 40104, Start Num: 49
Candidate Starts for Budgie_61:
(30, 40898), (Start: 49 @40856 has 41 MA's), (54, 40841), (66, 40805), (82, 40733), (99, 40685), (100, 40682), (118, 40625), (120, 40622), (128, 40595), (142, 40541), (153, 40508), (203, 40406), (208, 40391), (211, 40382), (238, 40295), (248, 40265), (258, 40238), (274, 40202), (286, 40169), (292, 40145),

Gene: BugsBunny_55 Start: 40152, Stop: 39379, Start Num: 36
Candidate Starts for BugsBunny_55:
(Start: 36 @40152 has 119 MA's), (Start: 49 @40128 has 41 MA's), (Start: 59 @40098 has 1 MA's), (88, 39990), (120, 39894), (142, 39813), (150, 39789), (153, 39780), (156, 39771), (207, 39666), (209, 39660), (211, 39654), (258, 39510), (263, 39498), (274, 39474), (302, 39387),

Gene: CREW_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for CREW_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Cactus_56 Start: 39094, Stop: 38321, Start Num: 36
Candidate Starts for Cactus_56:
(Start: 36 @39094 has 119 MA's), (Start: 49 @39070 has 41 MA's), (Start: 59 @39040 has 1 MA's), (88, 38932), (120, 38836), (142, 38755), (150, 38731), (153, 38722), (156, 38713), (207, 38608), (209, 38602), (211, 38596), (258, 38452), (263, 38440), (274, 38416), (302, 38329),

Gene: Cain_45 Start: 34393, Stop: 33527, Start Num: 50
Candidate Starts for Cain_45:
(Start: 50 @34393 has 27 MA's), (Start: 72 @34321 has 1 MA's), (118, 34177), (129, 34144), (142, 34093), (150, 34069), (153, 34060), (157, 34048), (205, 33943), (211, 33925), (215, 33913), (219, 33901), (233, 33862), (246, 33820), (282, 33745), (289, 33721), (319, 33595),

Gene: CallaLilly_42 Start: 34549, Stop: 33710, Start Num: 43
Candidate Starts for CallaLilly_42:
(Start: 20 @34612 has 40 MA's), (Start: 25 @34591 has 2 MA's), (Start: 37 @34555 has 2 MA's), (Start: 43 @34549 has 25 MA's), (Start: 53 @34525 has 10 MA's), (Start: 60 @34504 has 6 MA's), (68,

34480), (90, 34390), (94, 34381), (128, 34276), (129, 34273), (131, 34264), (135, 34246), (137, 34240), (153, 34192), (159, 34174), (170, 34144), (176, 34132), (182, 34123), (213, 34051), (232, 33994), (248, 33943), (254, 33928), (269, 33901), (279, 33880), (283, 33868),

Gene: Calm_37 Start: 32389, Stop: 31607, Start Num: 33
Candidate Starts for Calm_37:
(Start: 33 @32389 has 25 MA's), (38, 32371), (123, 32104), (131, 32077), (132, 32074), (140, 32044), (142, 32032), (149, 32011), (172, 31963), (213, 31870), (224, 31834), (254, 31744), (277, 31690),

Gene: Capricorn_42 Start: 34626, Stop: 33787, Start Num: 43
Candidate Starts for Capricorn_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: CaseJules_43 Start: 34823, Stop: 33984, Start Num: 43
Candidate Starts for CaseJules_43:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Chancellor_46 Start: 35595, Stop: 34777, Start Num: 49
Candidate Starts for Chancellor_46:
(Start: 49 @35595 has 41 MA's), (Start: 50 @35592 has 27 MA's), (55, 35577), (Start: 72 @35514 has 1 MA's), (Start: 79 @35484 has 1 MA's), (85, 35463), (99, 35427), (110, 35391), (124, 35349), (128, 35337), (129, 35334), (138, 35295), (153, 35250), (158, 35235), (176, 35199), (182, 35190), (221, 35097), (238, 35043), (246, 35019), (248, 35013), (255, 34995), (282, 34929), (288, 34908),

Gene: Chaser_36 Start: 32444, Stop: 31656, Start Num: 32
Candidate Starts for Chaser_36:
(Start: 32 @32444 has 54 MA's), (55, 32387), (58, 32378), (Start: 71 @32327 has 1 MA's), (81, 32288), (86, 32270), (112, 32192), (115, 32177), (118, 32171), (131, 32129), (154, 32048), (174, 32006), (186, 31988), (212, 31922), (218, 31904), (224, 31883), (254, 31793), (272, 31751), (277, 31739),

Gene: Chavito_45 Start: 35800, Stop: 34844, Start Num: 46
Candidate Starts for Chavito_45:
(Start: 46 @35800 has 15 MA's), (52, 35782), (56, 35770), (66, 35740), (69, 35725), (Start: 71 @35713 has 1 MA's), (73, 35707), (74, 35695), (90, 35638), (104, 35593), (114, 35563), (118, 35554), (123, 35539), (128, 35524), (138, 35482), (143, 35467), (156, 35431), (186, 35377), (193, 35365), (196, 35359), (239, 35227), (245, 35209), (282, 35131), (293, 35089), (318, 34999),

Gene: CheetoDust_41 Start: 34052, Stop: 33159, Start Num: 21
Candidate Starts for CheetoDust_41:
(Start: 21 @34052 has 9 MA's), (Start: 37 @34004 has 2 MA's), (Start: 43 @33998 has 25 MA's), (Start: 53 @33974 has 10 MA's), (Start: 61 @33950 has 1 MA's), (68, 33929), (94, 33830), (128, 33725), (135, 33695), (150, 33650), (153, 33641), (159, 33623), (170, 33593), (176, 33581), (182, 33572), (195, 33548), (213, 33500), (254, 33377), (279, 33329), (286, 33308),

Gene: Cheetobro_46 Start: 35592, Stop: 34774, Start Num: 49

Candidate Starts for Cheetobro_46:
(Start: 49 @35592 has 41 MA's), (Start: 50 @35589 has 27 MA's), (55, 35574), (Start: 72 @35511 has 1 MA's), (Start: 79 @35481 has 1 MA's), (85, 35460), (99, 35424), (110, 35388), (124, 35346), (128, 35334), (129, 35331), (138, 35292), (153, 35247), (158, 35232), (176, 35196), (182, 35187), (221, 35094), (238, 35040), (246, 35016), (248, 35010), (255, 34992), (282, 34926), (288, 34905),

Gene: ChengKai98_39 Start: 33740, Stop: 32961, Start Num: 32
Candidate Starts for ChengKai98_39:
(Start: 32 @33740 has 54 MA's), (55, 33683), (74, 33611), (94, 33545), (115, 33473), (118, 33467), (131, 33425), (223, 33185), (257, 33092), (260, 33086), (277, 33047),

Gene: ChosenOne_55 Start: 39394, Stop: 38621, Start Num: 36
Candidate Starts for ChosenOne_55:
(Start: 36 @39394 has 119 MA's), (Start: 49 @39370 has 41 MA's), (Start: 59 @39340 has 1 MA's), (88, 39232), (120, 39136), (142, 39055), (150, 39031), (153, 39022), (156, 39013), (207, 38908), (209, 38902), (211, 38896), (258, 38752), (263, 38740), (274, 38716), (302, 38629),

Gene: ChotaBhai_54 Start: 39416, Stop: 38643, Start Num: 36
Candidate Starts for ChotaBhai_54:
(Start: 36 @39416 has 119 MA's), (Start: 49 @39392 has 41 MA's), (Start: 59 @39362 has 1 MA's), (88, 39254), (120, 39158), (142, 39077), (150, 39053), (153, 39044), (156, 39035), (207, 38930), (209, 38924), (211, 38918), (258, 38774), (263, 38762), (274, 38738), (302, 38651),

Gene: Chris_44 Start: 35259, Stop: 34477, Start Num: 41
Candidate Starts for Chris_44:
(Start: 41 @35259 has 1 MA's), (Start: 50 @35244 has 27 MA's), (Start: 71 @35181 has 1 MA's), (Start: 79 @35148 has 1 MA's), (80, 35145), (135, 34971), (150, 34926), (152, 34920), (153, 34917), (157, 34905), (163, 34887), (169, 34872), (198, 34821), (228, 34731), (230, 34725), (234, 34716), (248, 34674), (281, 34608), (286, 34593), (289, 34581), (306, 34518), (316, 34482),

Gene: ChutneyChips_36 Start: 32624, Stop: 31836, Start Num: 32
Candidate Starts for ChutneyChips_36:
(Start: 32 @32624 has 54 MA's), (55, 32567), (67, 32531), (Start: 71 @32507 has 1 MA's), (81, 32468), (86, 32450), (110, 32375), (112, 32372), (115, 32357), (118, 32351), (128, 32321), (131, 32309), (166, 32198), (174, 32186), (186, 32168), (213, 32099), (216, 32090), (218, 32084), (219, 32081), (233, 32036), (254, 31973), (272, 31931), (277, 31919),

Gene: CicholasNage_37 Start: 32410, Stop: 31628, Start Num: 33
Candidate Starts for CicholasNage_37:
(Start: 33 @32410 has 25 MA's), (38, 32392), (123, 32125), (131, 32098), (132, 32095), (140, 32065), (142, 32053), (149, 32032), (172, 31984), (213, 31891), (224, 31855), (254, 31765), (277, 31711),

Gene: Cjw1_54 Start: 40795, Stop: 40022, Start Num: 36
Candidate Starts for Cjw1_54:
(Start: 36 @40795 has 119 MA's), (Start: 49 @40771 has 41 MA's), (Start: 59 @40741 has 1 MA's), (88, 40633), (120, 40537), (142, 40456), (150, 40432), (153, 40423), (156, 40414), (207, 40309), (209, 40303), (211, 40297), (258, 40153), (263, 40141), (274, 40117), (302, 40030),

Gene: Claus_39 Start: 33735, Stop: 32956, Start Num: 32
Candidate Starts for Claus_39:
(Start: 32 @33735 has 54 MA's), (55, 33678), (81, 33579), (88, 33558), (94, 33540), (115, 33468), (118, 33462), (131, 33420), (144, 33369), (148, 33357), (150, 33351), (153, 33342), (198, 33252), (201, 33246), (247, 33114),

Gene: Clautastrophe_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for Clautastrophe_37:
(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: Clipper_45 Start: 35207, Stop: 34305, Start Num: 20
Candidate Starts for Clipper_45:
(Start: 20 @35207 has 40 MA's), (Start: 25 @35186 has 2 MA's), (Start: 37 @35150 has 2 MA's), (Start: 43 @35144 has 25 MA's), (Start: 53 @35120 has 10 MA's), (Start: 60 @35099 has 6 MA's), (68, 35075), (90, 34985), (94, 34976), (128, 34871), (129, 34868), (131, 34859), (135, 34841), (137, 34835), (153, 34787), (159, 34769), (170, 34739), (176, 34727), (182, 34718), (213, 34646), (232, 34589), (248, 34538), (254, 34523), (269, 34496), (279, 34475), (283, 34463),

Gene: Collard_40 Start: 33961, Stop: 33110, Start Num: 40
Candidate Starts for Collard_40:
(Start: 40 @33961 has 24 MA's), (80, 33832), (95, 33790), (128, 33691), (131, 33679), (144, 33631), (156, 33601), (161, 33583), (177, 33547), (233, 33388), (237, 33373), (241, 33361), (252, 33328), (256, 33319), (271, 33301), (274, 33295), (280, 33280), (293, 33232), (301, 33211),

Gene: Command613_56 Start: 40133, Stop: 39360, Start Num: 36
Candidate Starts for Command613_56:
(Start: 36 @40133 has 119 MA's), (Start: 49 @40109 has 41 MA's), (Start: 59 @40079 has 1 MA's), (88, 39971), (120, 39875), (142, 39794), (150, 39770), (153, 39761), (156, 39752), (207, 39647), (209, 39641), (211, 39635), (258, 39491), (263, 39479), (274, 39455), (302, 39368),

Gene: Constella_81 Start: 53215, Stop: 52562, Start Num: 75
Candidate Starts for Constella_81:
(Start: 62 @53269 has 33 MA's), (Start: 75 @53215 has 5 MA's), (Start: 77 @53206 has 1 MA's), (110, 53110), (142, 53011), (146, 52999), (153, 52978), (202, 52888), (204, 52882), (229, 52801), (235, 52783), (248, 52744), (256, 52726), (257, 52723), (274, 52672), (279, 52660), (293, 52609),

Gene: Contagion_51 Start: 38895, Stop: 38122, Start Num: 36
Candidate Starts for Contagion_51:
(Start: 36 @38895 has 119 MA's), (Start: 49 @38871 has 41 MA's), (Start: 59 @38841 has 1 MA's), (88, 38733), (120, 38637), (142, 38556), (150, 38532), (153, 38523), (156, 38514), (207, 38409), (209, 38403), (211, 38397), (258, 38253), (263, 38241), (274, 38217), (302, 38130),

Gene: Cookies_51 Start: 39266, Stop: 38493, Start Num: 36
Candidate Starts for Cookies_51:
(Start: 36 @39266 has 119 MA's), (Start: 49 @39242 has 41 MA's), (Start: 59 @39212 has 1 MA's), (88, 39104), (120, 39008), (142, 38927), (150, 38903), (153, 38894), (156, 38885), (207, 38780), (209, 38774), (211, 38768), (258, 38624), (263, 38612), (274, 38588), (302, 38501),

Gene: Courthouse_86 Start: 53071, Stop: 52364, Start Num: 62
Candidate Starts for Courthouse_86:
(Start: 62 @53071 has 33 MA's), (Start: 75 @53017 has 5 MA's), (Start: 77 @53008 has 1 MA's), (110, 52912), (116, 52894), (142, 52813), (146, 52801), (148, 52795), (150, 52789), (153, 52780), (171, 52738), (203, 52687), (204, 52684), (229, 52603), (235, 52585), (248, 52546), (254, 52534), (256, 52528), (257, 52525), (270, 52483), (274, 52474), (278, 52465), (279, 52462), (293, 52411),

Gene: CrimD_42 Start: 34709, Stop: 33915, Start Num: 60

Candidate Starts for CrimD_42:
(Start: 20 @34817 has 40 MA's), (Start: 25 @34796 has 2 MA's), (Start: 37 @34760 has 2 MA's), (Start: 43 @34754 has 25 MA's), (Start: 53 @34730 has 10 MA's), (Start: 60 @34709 has 6 MA's), (68, 34685), (Start: 72 @34661 has 1 MA's), (90, 34595), (94, 34586), (128, 34481), (129, 34478), (131, 34469), (135, 34451), (153, 34397), (159, 34379), (170, 34349), (176, 34337), (182, 34328), (213, 34256), (232, 34199), (248, 34148), (254, 34133), (269, 34106), (279, 34085), (283, 34073),

Gene: Crossroads_39 Start: 33740, Stop: 32961, Start Num: 32
Candidate Starts for Crossroads_39:
(Start: 32 @33740 has 54 MA's), (55, 33683), (74, 33611), (94, 33545), (98, 33530), (115, 33473), (118, 33467), (131, 33425), (223, 33185), (257, 33092), (260, 33086), (277, 33047),

Gene: CrystalP_54 Start: 40375, Stop: 39602, Start Num: 36
Candidate Starts for CrystalP_54:
(Start: 36 @40375 has 119 MA's), (Start: 49 @40351 has 41 MA's), (Start: 59 @40321 has 1 MA's), (88, 40213), (120, 40117), (142, 40036), (150, 40012), (153, 40003), (156, 39994), (207, 39889), (209, 39883), (211, 39877), (258, 39733), (263, 39721), (274, 39697), (302, 39610),

Gene: Curiosium_45 Start: 33580, Stop: 32717, Start Num: 53
Candidate Starts for Curiosium_45:
(11, 33718), (Start: 53 @33580 has 10 MA's), (85, 33463), (100, 33421), (104, 33403), (141, 33286), (142, 33280), (145, 33271), (148, 33262), (153, 33247), (157, 33238), (191, 33160), (198, 33148), (199, 33145), (222, 33076), (233, 33046), (234, 33040), (246, 33004), (248, 32998), (279, 32911), (292, 32860), (293, 32854), (321, 32728),

Gene: Czyszczon1_55 Start: 39604, Stop: 38831, Start Num: 36
Candidate Starts for Czyszczon1_55:
(Start: 36 @39604 has 119 MA's), (Start: 49 @39580 has 41 MA's), (Start: 59 @39550 has 1 MA's), (88, 39442), (120, 39346), (142, 39265), (150, 39241), (153, 39232), (156, 39223), (207, 39118), (209, 39112), (211, 39106), (258, 38962), (263, 38950), (274, 38926), (302, 38839),

Gene: DHan_40 Start: 33676, Stop: 32897, Start Num: 32
Candidate Starts for DHan_40:
(Start: 32 @33676 has 54 MA's), (55, 33619), (81, 33520), (88, 33499), (94, 33481), (115, 33409), (118, 33403), (131, 33361), (144, 33310), (148, 33298), (150, 33292), (153, 33283), (198, 33193), (201, 33187), (247, 33055),

Gene: DS6A_57 Start: 40555, Stop: 39803, Start Num: 109
Candidate Starts for DS6A_57:
(44, 40786), (107, 40558), (Start: 109 @40555 has 1 MA's), (111, 40552), (117, 40531), (119, 40528), (126, 40507), (141, 40447), (146, 40429), (149, 40420), (153, 40408), (176, 40345), (180, 40339), (184, 40318), (221, 40225), (290, 40009), (310, 39922), (312, 39916), (320, 39865), (325, 39844), (327, 39829),

Gene: Dadosky_41 Start: 33855, Stop: 33004, Start Num: 40
Candidate Starts for Dadosky_41:
(13, 33957), (Start: 27 @33891 has 2 MA's), (Start: 40 @33855 has 24 MA's), (Start: 59 @33810 has 1 MA's), (78, 33732), (95, 33684), (128, 33585), (131, 33573), (144, 33525), (156, 33495), (161, 33477), (177, 33441), (181, 33435), (188, 33408), (233, 33282), (237, 33267), (241, 33255), (256, 33213), (280, 33174), (293, 33126),

Gene: Daikon_55 Start: 40225, Stop: 39452, Start Num: 36
Candidate Starts for Daikon_55:

(Start: 36 @40225 has 119 MA's), (Start: 49 @40201 has 41 MA's), (Start: 59 @40171 has 1 MA's), (88, 40063), (120, 39967), (142, 39886), (150, 39862), (153, 39853), (156, 39844), (207, 39739), (209, 39733), (211, 39727), (258, 39583), (263, 39571), (274, 39547), (302, 39460),

Gene: Dallas_97 Start: 59108, Stop: 58401, Start Num: 62
Candidate Starts for Dallas_97:
(Start: 62 @59108 has 33 MA's), (Start: 75 @59054 has 5 MA's), (Start: 77 @59045 has 1 MA's), (110, 58949), (142, 58850), (146, 58838), (153, 58817), (202, 58727), (204, 58721), (229, 58640), (235, 58622), (248, 58583), (256, 58565), (257, 58562), (274, 58511), (279, 58499), (293, 58448),

Gene: Dalmuri_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Dalmuri_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: DanBing_39 Start: 33568, Stop: 32789, Start Num: 32
Candidate Starts for DanBing_39:
(Start: 32 @33568 has 54 MA's), (55, 33511), (81, 33412), (88, 33391), (94, 33373), (115, 33301), (118, 33295), (131, 33253), (144, 33202), (148, 33190), (150, 33184), (153, 33175), (201, 33079), (247, 32947),

Gene: DanSyl44_50 Start: 36636, Stop: 35818, Start Num: 49
Candidate Starts for DanSyl44_50:
(Start: 49 @36636 has 41 MA's), (Start: 50 @36633 has 27 MA's), (55, 36618), (Start: 72 @36555 has 1 MA's), (Start: 79 @36525 has 1 MA's), (85, 36504), (99, 36468), (110, 36432), (124, 36390), (128, 36378), (129, 36375), (138, 36336), (153, 36291), (158, 36276), (176, 36240), (182, 36231), (221, 36138), (238, 36084), (246, 36060), (248, 36054), (255, 36036), (282, 35970), (288, 35949),

Gene: DartGoblin_44 Start: 35358, Stop: 34519, Start Num: 43
Candidate Starts for DartGoblin_44:
(Start: 21 @35412 has 9 MA's), (Start: 37 @35364 has 2 MA's), (Start: 43 @35358 has 25 MA's), (Start: 53 @35334 has 10 MA's), (58, 35319), (Start: 61 @35310 has 1 MA's), (68, 35289), (Start: 72 @35265 has 1 MA's), (78, 35238), (90, 35199), (94, 35190), (128, 35085), (129, 35082), (135, 35055), (137, 35049), (143, 35031), (150, 35010), (153, 35001), (159, 34983), (176, 34941), (182, 34932), (213, 34860), (232, 34803), (248, 34752), (254, 34737), (279, 34689), (283, 34677), (307, 34587),

Gene: DarthP_44 Start: 35487, Stop: 34669, Start Num: 50
Candidate Starts for DarthP_44:
(Start: 50 @35487 has 27 MA's), (74, 35406), (89, 35358), (99, 35331), (142, 35187), (150, 35163), (153, 35154), (157, 35142), (159, 35136), (163, 35124), (192, 35067), (211, 35022), (219, 34998), (240, 34935), (246, 34917), (249, 34908), (275, 34860), (279, 34851), (293, 34800), (319, 34704),

Gene: Dartin_44 Start: 35155, Stop: 34205, Start Num: 46
Candidate Starts for Dartin_44:
(9, 35275), (10, 35272), (Start: 46 @35155 has 15 MA's), (Start: 62 @35107 has 33 MA's), (66, 35095), (Start: 71 @35068 has 1 MA's), (73, 35062), (74, 35050), (104, 34948), (118, 34909), (123, 34894), (128, 34879), (153, 34795), (156, 34786), (175, 34750), (214, 34669), (239, 34588), (245, 34570), (282, 34492), (283, 34489), (293, 34450), (318, 34360), (331, 34252),

Gene: Deby_42 Start: 34754, Stop: 33915, Start Num: 43

Candidate Starts for Deby_42:
(Start: 21 @34808 has 9 MA's), (Start: 37 @34760 has 2 MA's), (Start: 43 @34754 has 25 MA's), (Start: 53 @34730 has 10 MA's), (68, 34685), (94, 34586), (128, 34481), (129, 34478), (131, 34469), (135, 34451), (153, 34397), (159, 34379), (170, 34349), (176, 34337), (182, 34328), (213, 34256), (232, 34199), (254, 34133), (269, 34106), (279, 34085), (283, 34073),

Gene: Devera_46 Start: 35291, Stop: 34452, Start Num: 43
Candidate Starts for Devera_46:
(Start: 43 @35291 has 25 MA's), (Start: 60 @35246 has 6 MA's), (68, 35222), (Start: 72 @35198 has 1 MA's), (90, 35132), (94, 35123), (97, 35117), (128, 35018), (129, 35015), (131, 35006), (135, 34988), (150, 34943), (153, 34934), (176, 34874), (182, 34865), (213, 34793), (215, 34787), (229, 34742), (232, 34736), (234, 34727), (248, 34685), (254, 34670), (262, 34652), (279, 34622), (283, 34610), (293, 34571),

Gene: DirkDirk_36 Start: 32376, Stop: 31594, Start Num: 33
Candidate Starts for DirkDirk_36:
(Start: 33 @32376 has 25 MA's), (38, 32358), (123, 32091), (131, 32064), (132, 32061), (140, 32031), (142, 32019), (149, 31998), (172, 31950), (213, 31857), (224, 31821), (254, 31731), (277, 31677),

Gene: DismalFunk_45 Start: 36592, Stop: 35744, Start Num: 42
Candidate Starts for DismalFunk_45:
(Start: 42 @36592 has 8 MA's), (66, 36529), (76, 36478), (92, 36430), (123, 36334), (128, 36319), (140, 36274), (146, 36253), (156, 36229), (176, 36178), (186, 36169), (229, 36049), (233, 36040), (280, 35932), (286, 35914), (288, 35905), (293, 35884),

Gene: DismalStressor_45 Start: 36592, Stop: 35744, Start Num: 42
Candidate Starts for DismalStressor_45:
(Start: 42 @36592 has 8 MA's), (66, 36529), (76, 36478), (92, 36430), (123, 36334), (128, 36319), (140, 36274), (146, 36253), (156, 36229), (176, 36178), (186, 36169), (229, 36049), (233, 36040), (280, 35932), (286, 35914), (288, 35905), (293, 35884),

Gene: DmpstrDiver_97 Start: 58533, Stop: 57826, Start Num: 62
Candidate Starts for DmpstrDiver_97:
(Start: 62 @58533 has 33 MA's), (Start: 75 @58479 has 5 MA's), (Start: 77 @58470 has 1 MA's), (84, 58446), (110, 58374), (142, 58275), (146, 58263), (153, 58242), (202, 58152), (204, 58146), (229, 58065), (235, 58047), (248, 58008), (256, 57990), (257, 57987), (274, 57936), (279, 57924), (293, 57873),

Gene: DoctorDiddles_54 Start: 39452, Stop: 38679, Start Num: 36
Candidate Starts for DoctorDiddles_54:
(Start: 36 @39452 has 119 MA's), (Start: 49 @39428 has 41 MA's), (Start: 59 @39398 has 1 MA's), (88, 39290), (120, 39194), (142, 39113), (150, 39089), (153, 39080), (156, 39071), (207, 38966), (209, 38960), (211, 38954), (258, 38810), (263, 38798), (274, 38774), (302, 38687),

Gene: Dole_45 Start: 35293, Stop: 34454, Start Num: 43
Candidate Starts for Dole_45:
(Start: 43 @35293 has 25 MA's), (Start: 60 @35248 has 6 MA's), (68, 35224), (Start: 72 @35200 has 1 MA's), (90, 35134), (94, 35125), (97, 35119), (128, 35020), (129, 35017), (131, 35008), (135, 34990), (150, 34945), (153, 34936), (176, 34876), (182, 34867), (213, 34795), (215, 34789), (229, 34744), (232, 34738), (234, 34729), (248, 34687), (254, 34672), (262, 34654), (279, 34624), (283, 34612), (293, 34573),

Gene: DoubleChamp_40 Start: 33961, Stop: 33110, Start Num: 40

Candidate Starts for DoubleChamp_40:
(Start: 40 @33961 has 24 MA's), (80, 33832), (95, 33790), (128, 33691), (131, 33679), (144, 33631), (156, 33601), (161, 33583), (177, 33547), (233, 33388), (237, 33373), (241, 33361), (252, 33328), (256, 33319), (271, 33301), (274, 33295), (280, 33280), (293, 33232), (301, 33211),

Gene: Douge_36 Start: 32382, Stop: 31594, Start Num: 32
Candidate Starts for Douge_36:
(Start: 32 @32382 has 54 MA's), (55, 32325), (58, 32316), (Start: 71 @32265 has 1 MA's), (81, 32226), (86, 32208), (112, 32130), (115, 32115), (118, 32109), (131, 32067), (154, 31986), (174, 31944), (186, 31926), (218, 31842), (224, 31821), (254, 31731), (272, 31689), (277, 31677),

Gene: Doughnut_45 Start: 36199, Stop: 35345, Start Num: 43
Candidate Starts for Doughnut_45:
(Start: 43 @36199 has 25 MA's), (Start: 53 @36175 has 10 MA's), (65, 36139), (118, 35956), (120, 35953), (123, 35941), (128, 35926), (137, 35887), (156, 35836), (161, 35818), (167, 35803), (176, 35785), (186, 35776), (198, 35752), (203, 35740), (271, 35560), (274, 35554), (284, 35527), (293, 35491), (315, 35410),

Gene: Douzhi_36 Start: 32488, Stop: 31700, Start Num: 32
Candidate Starts for Douzhi_36:
(Start: 32 @32488 has 54 MA's), (55, 32431), (58, 32422), (Start: 71 @32371 has 1 MA's), (81, 32332), (86, 32314), (112, 32236), (115, 32221), (118, 32215), (131, 32173), (154, 32092), (174, 32050), (186, 32032), (218, 31948), (224, 31927), (232, 31903), (254, 31837), (272, 31795), (277, 31783),

Gene: DrDrey_54 Start: 40523, Stop: 39750, Start Num: 36
Candidate Starts for DrDrey_54:
(Start: 36 @40523 has 119 MA's), (Start: 49 @40499 has 41 MA's), (Start: 59 @40469 has 1 MA's), (88, 40361), (120, 40265), (142, 40184), (150, 40160), (153, 40151), (156, 40142), (207, 40037), (209, 40031), (211, 40025), (258, 39881), (263, 39869), (274, 39845), (302, 39758),

Gene: DrHayes_43 Start: 35473, Stop: 34568, Start Num: 20
Candidate Starts for DrHayes_43:
(Start: 20 @35473 has 40 MA's), (Start: 37 @35413 has 2 MA's), (Start: 43 @35407 has 25 MA's), (Start: 53 @35383 has 10 MA's), (58, 35368), (Start: 61 @35359 has 1 MA's), (68, 35338), (Start: 72 @35314 has 1 MA's), (78, 35287), (90, 35248), (94, 35239), (128, 35134), (129, 35131), (135, 35104), (143, 35080), (150, 35059), (153, 35050), (159, 35032), (176, 34990), (182, 34981), (200, 34945), (213, 34909), (232, 34852), (254, 34786), (283, 34726), (307, 34636),

Gene: DrSeegs_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for DrSeegs_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Duke13_91 Start: 57040, Stop: 56333, Start Num: 62
Candidate Starts for Duke13_91:
(Start: 62 @57040 has 33 MA's), (Start: 75 @56986 has 5 MA's), (Start: 77 @56977 has 1 MA's), (110, 56881), (142, 56782), (146, 56770), (153, 56749), (202, 56659), (204, 56653), (229, 56572), (235, 56554), (248, 56515), (256, 56497), (257, 56494), (274, 56443), (279, 56431), (293, 56380),

Gene: Dumbo_54 Start: 39299, Stop: 38526, Start Num: 36
Candidate Starts for Dumbo_54:
(Start: 36 @39299 has 119 MA's), (Start: 49 @39275 has 41 MA's), (Start: 59 @39245 has 1 MA's), (88, 39137), (120, 39041), (142, 38960), (150, 38936), (153, 38927), (156, 38918), (207, 38813), (209,

38807), (211, 38801), (258, 38657), (263, 38645), (274, 38621), (302, 38534),

Gene: DuncansLeg_37 Start: 33989, Stop: 33198, Start Num: 32
Candidate Starts for DuncansLeg_37:
(Start: 32 @33989 has 54 MA's), (57, 33935), (92, 33812), (102, 33779), (118, 33728), (121, 33722), (153, 33611), (205, 33497), (214, 33470), (229, 33413), (238, 33386), (298, 33212),

Gene: Durfee_42 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for Durfee_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Dusk_52 Start: 39596, Stop: 38823, Start Num: 36
Candidate Starts for Dusk_52:
(Start: 36 @39596 has 119 MA's), (Start: 49 @39572 has 41 MA's), (Start: 59 @39542 has 1 MA's), (88, 39434), (120, 39338), (142, 39257), (150, 39233), (153, 39224), (156, 39215), (207, 39110), (209, 39104), (211, 39098), (258, 38954), (263, 38942), (274, 38918), (302, 38831),

Gene: DyoEdafos_38 Start: 32716, Stop: 31928, Start Num: 32
Candidate Starts for DyoEdafos_38:
(Start: 32 @32716 has 54 MA's), (55, 32659), (Start: 71 @32599 has 1 MA's), (81, 32560), (86, 32542), (112, 32464), (115, 32449), (118, 32443), (131, 32401), (154, 32320), (166, 32290), (174, 32278), (186, 32260), (216, 32182), (218, 32176), (254, 32065), (272, 32023), (277, 32011),

Gene: Easy2Say_55 Start: 40837, Stop: 40064, Start Num: 36
Candidate Starts for Easy2Say_55:
(Start: 36 @40837 has 119 MA's), (Start: 49 @40813 has 41 MA's), (Start: 59 @40783 has 1 MA's), (88, 40675), (120, 40579), (142, 40498), (150, 40474), (153, 40465), (156, 40456), (207, 40351), (209, 40345), (211, 40339), (258, 40195), (263, 40183), (274, 40159), (302, 40072),

Gene: Edugator_40 Start: 34316, Stop: 33429, Start Num: 27
Candidate Starts for Edugator_40:
(13, 34382), (Start: 27 @34316 has 2 MA's), (Start: 40 @34280 has 24 MA's), (Start: 59 @34235 has 1 MA's), (78, 34157), (95, 34109), (121, 34031), (128, 34010), (131, 33998), (144, 33950), (156, 33920), (161, 33902), (177, 33866), (188, 33833), (233, 33707), (237, 33692), (241, 33680), (256, 33638), (280, 33599), (293, 33551),

Gene: Efra2_45 Start: 34522, Stop: 33767, Start Num: 53
Candidate Starts for Efra2_45:
(Start: 53 @34522 has 10 MA's), (99, 34366), (113, 34324), (152, 34192), (153, 34189), (159, 34171), (167, 34147), (170, 34141), (186, 34114), (191, 34105), (192, 34102), (211, 34057), (216, 34042), (219, 34033), (251, 33943), (252, 33940),

Gene: Ejimix_89 Start: 58827, Stop: 58120, Start Num: 62
Candidate Starts for Ejimix_89:
(Start: 62 @58827 has 33 MA's), (Start: 75 @58773 has 5 MA's), (Start: 77 @58764 has 1 MA's), (110, 58668), (142, 58569), (146, 58557), (153, 58536), (202, 58446), (204, 58440), (229, 58359), (235, 58341), (248, 58302), (256, 58284), (257, 58281), (274, 58230), (279, 58218), (293, 58167),

Gene: Ekdilam_41 Start: 35048, Stop: 34230, Start Num: 50

Candidate Starts for Ekdilam_41:
(Start: 50 @35048 has 27 MA's), (74, 34967), (89, 34919), (99, 34892), (103, 34880), (129, 34799), (142, 34748), (150, 34724), (153, 34715), (157, 34703), (159, 34697), (163, 34685), (206, 34598), (219, 34559), (241, 34493), (245, 34481), (249, 34469), (270, 34433), (274, 34424), (289, 34379), (293, 34361), (295, 34355),

Gene: Elite2014_54 Start: 39393, Stop: 38620, Start Num: 36
Candidate Starts for Elite2014_54:
(Start: 36 @39393 has 119 MA's), (Start: 49 @39369 has 41 MA's), (Start: 59 @39339 has 1 MA's), (88, 39231), (120, 39135), (142, 39054), (150, 39030), (153, 39021), (156, 39012), (207, 38907), (209, 38901), (211, 38895), (258, 38751), (263, 38739), (274, 38715), (302, 38628),

Gene: Ellie_40 Start: 34710, Stop: 33877, Start Num: 53
Candidate Starts for Ellie_40:
(Start: 53 @34710 has 10 MA's), (67, 34671), (Start: 71 @34647 has 1 MA's), (78, 34617), (142, 34416), (150, 34392), (153, 34383), (157, 34371), (159, 34365), (163, 34353), (179, 34320), (186, 34299), (189, 34293), (198, 34278), (215, 34230), (219, 34218), (280, 34065), (286, 34047), (289, 34035), (293, 34017),

Gene: Ellson_37 Start: 33965, Stop: 33174, Start Num: 32
Candidate Starts for Ellson_37:
(Start: 32 @33965 has 54 MA's), (57, 33911), (92, 33788), (102, 33755), (118, 33704), (121, 33698), (153, 33587), (205, 33473), (214, 33446), (229, 33389), (238, 33362), (298, 33188),

Gene: Elph10_54 Start: 39102, Stop: 38329, Start Num: 36
Candidate Starts for Elph10_54:
(Start: 36 @39102 has 119 MA's), (Start: 49 @39078 has 41 MA's), (Start: 59 @39048 has 1 MA's), (88, 38940), (120, 38844), (142, 38763), (150, 38739), (153, 38730), (156, 38721), (207, 38616), (209, 38610), (211, 38604), (258, 38460), (263, 38448), (274, 38424), (302, 38337),

Gene: Emerson_43 Start: 34457, Stop: 33663, Start Num: 60
Candidate Starts for Emerson_43:
(Start: 20 @34565 has 40 MA's), (Start: 37 @34508 has 2 MA's), (Start: 43 @34502 has 25 MA's), (Start: 53 @34478 has 10 MA's), (Start: 60 @34457 has 6 MA's), (68, 34433), (90, 34343), (94, 34334), (128, 34229), (129, 34226), (131, 34217), (135, 34199), (137, 34193), (153, 34145), (159, 34127), (170, 34097), (176, 34085), (182, 34076), (208, 34019), (213, 34004), (232, 33947), (248, 33896), (254, 33881), (269, 33854), (279, 33833), (283, 33821),

Gene: Emmina_54 Start: 39276, Stop: 38527, Start Num: 49
Candidate Starts for Emmina_54:
(Start: 36 @39300 has 119 MA's), (Start: 49 @39276 has 41 MA's), (Start: 59 @39246 has 1 MA's), (88, 39138), (120, 39042), (142, 38961), (150, 38937), (153, 38928), (156, 38919), (207, 38814), (209, 38808), (211, 38802), (258, 38658), (263, 38646), (274, 38622), (302, 38535),

Gene: Enceladus_36 Start: 32359, Stop: 31577, Start Num: 33
Candidate Starts for Enceladus_36:
(Start: 33 @32359 has 25 MA's), (38, 32341), (123, 32074), (131, 32047), (132, 32044), (140, 32014), (142, 32002), (149, 31981), (172, 31933), (213, 31840), (224, 31804), (254, 31714), (277, 31660),

Gene: Enkosi_40 Start: 36695, Stop: 35793, Start Num: 46
Candidate Starts for Enkosi_40:
(Start: 34 @36713 has 2 MA's), (Start: 46 @36695 has 15 MA's), (Start: 62 @36647 has 33 MA's), (69, 36620), (73, 36602), (Start: 79 @36569 has 1 MA's), (84, 36551), (87, 36545), (90, 36533), (118,

36449), (123, 36434), (128, 36419), (138, 36377), (151, 36341), (157, 36323), (173, 36281), (186, 36263), (204, 36224), (214, 36194), (226, 36155), (238, 36116), (243, 36101), (267, 36047), (276, 36029), (283, 36011), (293, 35972), (311, 35906), (332, 35816),

Gene: Eponine_48 Start: 36348, Stop: 35530, Start Num: 49
Candidate Starts for Eponine_48:
(Start: 49 @36348 has 41 MA's), (Start: 50 @36345 has 27 MA's), (55, 36330), (Start: 72 @36267 has 1 MA's), (Start: 79 @36237 has 1 MA's), (85, 36216), (99, 36180), (110, 36144), (124, 36102), (128, 36090), (129, 36087), (138, 36048), (153, 36003), (158, 35988), (176, 35952), (182, 35943), (221, 35850), (238, 35796), (246, 35772), (248, 35766), (255, 35748), (282, 35682), (288, 35661),

Gene: EricMillard_89 Start: 58168, Stop: 57461, Start Num: 62
Candidate Starts for EricMillard_89:
(Start: 62 @58168 has 33 MA's), (Start: 75 @58114 has 5 MA's), (Start: 77 @58105 has 1 MA's), (84, 58081), (110, 58009), (142, 57910), (146, 57898), (153, 57877), (202, 57787), (204, 57781), (229, 57700), (235, 57682), (248, 57643), (256, 57625), (257, 57622), (274, 57571), (279, 57559), (293, 57508),

Gene: Eureka_52 Start: 39864, Stop: 39091, Start Num: 36
Candidate Starts for Eureka_52:
(Start: 36 @39864 has 119 MA's), (Start: 49 @39840 has 41 MA's), (Start: 59 @39810 has 1 MA's), (88, 39702), (120, 39606), (142, 39525), (150, 39501), (153, 39492), (156, 39483), (207, 39378), (209, 39372), (211, 39366), (258, 39222), (263, 39210), (274, 39186), (302, 39099),

Gene: FairyPath_53 Start: 40216, Stop: 39443, Start Num: 36
Candidate Starts for FairyPath_53:
(Start: 36 @40216 has 119 MA's), (Start: 49 @40192 has 41 MA's), (Start: 59 @40162 has 1 MA's), (88, 40054), (120, 39958), (142, 39877), (150, 39853), (153, 39844), (156, 39835), (207, 39730), (209, 39724), (211, 39718), (258, 39574), (263, 39562), (274, 39538), (302, 39451),

Gene: Faith1_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Faith1_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: FarmResident_36 Start: 32309, Stop: 31638, Start Num: 71
Candidate Starts for FarmResident_36:
(Start: 32 @32426 has 54 MA's), (55, 32369), (58, 32360), (Start: 71 @32309 has 1 MA's), (81, 32270), (86, 32252), (112, 32174), (115, 32159), (118, 32153), (131, 32111), (154, 32030), (174, 31988), (186, 31970), (218, 31886), (224, 31865), (254, 31775), (272, 31733), (277, 31721),

Gene: Fefferhead_42 Start: 34661, Stop: 33828, Start Num: 53
Candidate Starts for Fefferhead_42:
(Start: 53 @34661 has 10 MA's), (67, 34622), (Start: 71 @34598 has 1 MA's), (78, 34568), (142, 34367), (150, 34343), (153, 34334), (157, 34322), (159, 34316), (163, 34304), (179, 34271), (186, 34250), (189, 34244), (215, 34181), (219, 34169), (246, 34085), (280, 34016), (286, 33998), (289, 33986), (293, 33968),

Gene: Feyre_40 Start: 33712, Stop: 32870, Start Num: 40
Candidate Starts for Feyre_40:
(Start: 40 @33712 has 24 MA's), (Start: 59 @33670 has 1 MA's), (118, 33475), (128, 33445), (147, 33376), (149, 33370), (156, 33355), (161, 33337), (179, 33301), (206, 33229), (237, 33130), (246, 33103), (249, 33094), (252, 33085), (271, 33058), (274, 33052), (280, 33037), (289, 33007), (293,

32989), (301, 32968),

Gene: Filch_55 Start: 39325, Stop: 38552, Start Num: 36
Candidate Starts for Filch_55:
(Start: 36 @39325 has 119 MA's), (Start: 49 @39301 has 41 MA's), (Start: 59 @39271 has 1 MA's), (88, 39163), (120, 39067), (142, 38986), (150, 38962), (153, 38953), (156, 38944), (207, 38839), (209, 38833), (211, 38827), (258, 38683), (263, 38671), (274, 38647), (302, 38560),

Gene: Findley_45 Start: 36585, Stop: 35737, Start Num: 42
Candidate Starts for Findley_45:
(Start: 42 @36585 has 8 MA's), (Start: 62 @36534 has 33 MA's), (66, 36522), (76, 36471), (92, 36423), (123, 36327), (128, 36312), (140, 36267), (156, 36222), (176, 36171), (186, 36162), (229, 36042), (280, 35925), (286, 35907), (288, 35898), (293, 35877),

Gene: Finemlucis_39 Start: 34015, Stop: 33236, Start Num: 32
Candidate Starts for Finemlucis_39:
(Start: 32 @34015 has 54 MA's), (55, 33958), (74, 33886), (81, 33859), (94, 33820), (115, 33748), (118, 33742), (131, 33700), (223, 33460), (257, 33367), (260, 33361), (277, 33322),

Gene: Finnry_37 Start: 33981, Stop: 33190, Start Num: 32
Candidate Starts for Finnry_37:
(Start: 8 @34071 has 1 MA's), (18, 34029), (Start: 32 @33981 has 54 MA's), (38, 33963), (57, 33927), (Start: 79 @33843 has 1 MA's), (82, 33831), (99, 33780), (102, 33771), (118, 33720), (121, 33714), (153, 33603), (205, 33489), (214, 33462), (229, 33405), (272, 33291), (290, 33237), (298, 33204),

Gene: Fionnbharth_46 Start: 35745, Stop: 34927, Start Num: 49
Candidate Starts for Fionnbharth_46:
(Start: 49 @35745 has 41 MA's), (Start: 50 @35742 has 27 MA's), (55, 35727), (Start: 79 @35634 has 1 MA's), (85, 35613), (99, 35577), (110, 35541), (124, 35499), (128, 35487), (129, 35484), (131, 35475), (138, 35445), (158, 35385), (176, 35349), (182, 35340), (221, 35247), (238, 35193), (246, 35169), (248, 35163), (255, 35145), (282, 35079), (288, 35058),

Gene: FireRed_57 Start: 40591, Stop: 39818, Start Num: 36
Candidate Starts for FireRed_57:
(Start: 36 @40591 has 119 MA's), (Start: 49 @40567 has 41 MA's), (Start: 59 @40537 has 1 MA's), (88, 40429), (120, 40333), (142, 40252), (150, 40228), (153, 40219), (156, 40210), (207, 40105), (209, 40099), (211, 40093), (258, 39949), (263, 39937), (274, 39913), (302, 39826),

Gene: Flypotenuse_49 Start: 39064, Stop: 38315, Start Num: 49
Candidate Starts for Flypotenuse_49:
(Start: 36 @39088 has 119 MA's), (Start: 49 @39064 has 41 MA's), (Start: 59 @39034 has 1 MA's), (88, 38926), (120, 38830), (142, 38749), (150, 38725), (153, 38716), (156, 38707), (207, 38602), (209, 38596), (211, 38590), (258, 38446), (263, 38434), (274, 38410), (302, 38323),

Gene: FoghornLeghorn_49 Start: 38098, Stop: 37325, Start Num: 36
Candidate Starts for FoghornLeghorn_49:
(Start: 36 @38098 has 119 MA's), (Start: 49 @38074 has 41 MA's), (Start: 59 @38044 has 1 MA's), (88, 37936), (120, 37840), (142, 37759), (150, 37735), (153, 37726), (156, 37717), (207, 37612), (209, 37606), (211, 37600), (258, 37456), (263, 37444), (274, 37420), (302, 37333),

Gene: Gabriela_39 Start: 34001, Stop: 33222, Start Num: 32
Candidate Starts for Gabriela_39:

(Start: 32 @34001 has 54 MA's), (55, 33944), (74, 33872), (81, 33845), (94, 33806), (115, 33734), (118, 33728), (131, 33686), (198, 33518), (223, 33446), (257, 33353), (260, 33347), (277, 33308),

Gene: Gage_57 Start: 39873, Stop: 39100, Start Num: 36
Candidate Starts for Gage_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: Gaia_67 Start: 44826, Stop: 44038, Start Num: 31
Candidate Starts for Gaia_67:
(Start: 31 @44826 has 2 MA's), (Start: 49 @44787 has 41 MA's), (88, 44649), (134, 44496), (142, 44472), (153, 44439), (172, 44397), (182, 44379), (198, 44355), (242, 44220), (249, 44199), (270, 44148), (291, 44088), (293, 44079),

Gene: Ganymede_43 Start: 35009, Stop: 34107, Start Num: 20
Candidate Starts for Ganymede_43:
(Start: 20 @35009 has 40 MA's), (Start: 37 @34952 has 2 MA's), (Start: 43 @34946 has 25 MA's), (Start: 53 @34922 has 10 MA's), (Start: 60 @34901 has 6 MA's), (68, 34877), (90, 34787), (94, 34778), (128, 34673), (129, 34670), (131, 34661), (135, 34643), (137, 34637), (153, 34589), (159, 34571), (170, 34541), (176, 34529), (182, 34520), (208, 34463), (213, 34448), (232, 34391), (254, 34325), (269, 34298), (279, 34277), (283, 34265),

Gene: Gardann_39 Start: 33740, Stop: 32961, Start Num: 32
Candidate Starts for Gardann_39:
(Start: 32 @33740 has 54 MA's), (55, 33683), (74, 33611), (94, 33545), (115, 33473), (118, 33467), (131, 33425), (223, 33185), (257, 33092), (260, 33086), (277, 33047),

Gene: Gator_52 Start: 40227, Stop: 39454, Start Num: 36
Candidate Starts for Gator_52:
(Start: 36 @40227 has 119 MA's), (Start: 49 @40203 has 41 MA's), (Start: 59 @40173 has 1 MA's), (88, 40065), (120, 39969), (142, 39888), (150, 39864), (153, 39855), (156, 39846), (207, 39741), (209, 39735), (211, 39729), (258, 39585), (263, 39573), (274, 39549), (302, 39462),

Gene: Gemini_58 Start: 40390, Stop: 39617, Start Num: 36
Candidate Starts for Gemini_58:
(Start: 36 @40390 has 119 MA's), (Start: 49 @40366 has 41 MA's), (Start: 59 @40336 has 1 MA's), (88, 40228), (120, 40132), (142, 40051), (150, 40027), (153, 40018), (156, 40009), (207, 39904), (209, 39898), (211, 39892), (258, 39748), (263, 39736), (274, 39712), (302, 39625),

Gene: Gengar_40 Start: 33822, Stop: 32980, Start Num: 40
Candidate Starts for Gengar_40:
(Start: 40 @33822 has 24 MA's), (Start: 59 @33780 has 1 MA's), (118, 33585), (128, 33555), (147, 33486), (149, 33480), (156, 33465), (161, 33447), (179, 33411), (206, 33339), (237, 33240), (246, 33213), (249, 33204), (252, 33195), (256, 33186), (271, 33168), (274, 33162), (280, 33147), (289, 33117), (293, 33099), (301, 33078),

Gene: Geraldini_44 Start: 35613, Stop: 34720, Start Num: 21
Candidate Starts for Geraldini_44:
(Start: 21 @35613 has 9 MA's), (Start: 37 @35565 has 2 MA's), (Start: 43 @35559 has 25 MA's), (Start: 53 @35535 has 10 MA's), (68, 35490), (90, 35400), (94, 35391), (128, 35286), (129, 35283), (131, 35274), (135, 35256), (137, 35250), (153, 35202), (159, 35184), (170, 35154), (176, 35142), (182, 35133), (213, 35061), (232, 35004), (254, 34938), (269, 34911), (279, 34890), (283, 34878),

Gene: Glexan_52 Start: 40215, Stop: 39442, Start Num: 36
Candidate Starts for Glexan_52:
(Start: 36 @40215 has 119 MA's), (Start: 49 @40191 has 41 MA's), (Start: 59 @40161 has 1 MA's), (88, 40053), (120, 39957), (142, 39876), (150, 39852), (153, 39843), (156, 39834), (207, 39729), (209, 39723), (211, 39717), (258, 39573), (263, 39561), (274, 39537), (302, 39450),

Gene: Goku_52 Start: 39593, Stop: 38820, Start Num: 36
Candidate Starts for Goku_52:
(Start: 36 @39593 has 119 MA's), (Start: 49 @39569 has 41 MA's), (Start: 59 @39539 has 1 MA's), (88, 39431), (120, 39335), (142, 39254), (150, 39230), (153, 39221), (156, 39212), (207, 39107), (209, 39101), (211, 39095), (258, 38951), (263, 38939), (274, 38915), (302, 38828),

Gene: GoldenSpark_57 Start: 39849, Stop: 39100, Start Num: 49
Candidate Starts for GoldenSpark_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: Goldilocks_56 Start: 39375, Stop: 38602, Start Num: 36
Candidate Starts for Goldilocks_56:
(Start: 36 @39375 has 119 MA's), (Start: 49 @39351 has 41 MA's), (Start: 59 @39321 has 1 MA's), (88, 39213), (120, 39117), (142, 39036), (150, 39012), (153, 39003), (156, 38994), (207, 38889), (209, 38883), (211, 38877), (258, 38733), (263, 38721), (274, 38697), (302, 38610),

Gene: Gonephishing_82 Start: 52633, Stop: 51926, Start Num: 62
Candidate Starts for Gonephishing_82:
(Start: 62 @52633 has 33 MA's), (Start: 75 @52579 has 5 MA's), (Start: 77 @52570 has 1 MA's), (142, 52375), (146, 52363), (153, 52342), (171, 52300), (203, 52249), (204, 52246), (229, 52165), (235, 52147), (248, 52108), (256, 52090), (257, 52087), (270, 52045), (274, 52036), (279, 52024), (293, 51973),

Gene: GooberAzure_57 Start: 39873, Stop: 39100, Start Num: 36
Candidate Starts for GooberAzure_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: Greep_58 Start: 40721, Stop: 40110, Start Num: 88
Candidate Starts for Greep_58:
(Start: 36 @40883 has 119 MA's), (Start: 49 @40859 has 41 MA's), (Start: 59 @40829 has 1 MA's), (88, 40721), (120, 40625), (142, 40544), (150, 40520), (153, 40511), (156, 40502), (207, 40397), (209, 40391), (211, 40385), (258, 40241), (263, 40229), (274, 40205), (302, 40118),

Gene: Guanica15_45 Start: 34479, Stop: 33724, Start Num: 53
Candidate Starts for Guanica15_45:
(Start: 53 @34479 has 10 MA's), (99, 34323), (152, 34149), (153, 34146), (159, 34128), (167, 34104), (170, 34098), (186, 34071), (191, 34062), (192, 34059), (211, 34014), (216, 33999), (219, 33990), (251, 33900), (252, 33897), (279, 33846),

Gene: Guillsminger_41 Start: 33793, Stop: 32951, Start Num: 40
Candidate Starts for Guillsminger_41:

(Start: 40 @33793 has 24 MA's), (Start: 59 @33751 has 1 MA's), (118, 33556), (128, 33526), (147, 33457), (149, 33451), (156, 33436), (161, 33418), (179, 33382), (206, 33310), (237, 33211), (246, 33184), (249, 33175), (252, 33166), (271, 33139), (274, 33133), (280, 33118), (289, 33088), (293, 33070), (301, 33049),

Gene: GuuelaD_39 Start: 33777, Stop: 32998, Start Num: 32
Candidate Starts for GuuelaD_39:
(Start: 32 @33777 has 54 MA's), (55, 33720), (74, 33648), (94, 33582), (98, 33567), (115, 33510), (118, 33504), (131, 33462), (223, 33222), (257, 33129), (260, 33123), (277, 33084),

Gene: Hafay_39 Start: 33772, Stop: 32993, Start Num: 32
Candidate Starts for Hafay_39:
(Start: 32 @33772 has 54 MA's), (55, 33715), (74, 33643), (94, 33577), (98, 33562), (115, 33505), (118, 33499), (131, 33457), (223, 33217), (257, 33124), (260, 33118), (277, 33079),

Gene: Halena_36 Start: 32385, Stop: 31603, Start Num: 33
Candidate Starts for Halena_36:
(Start: 33 @32385 has 25 MA's), (38, 32367), (123, 32100), (131, 32073), (132, 32070), (140, 32040), (142, 32028), (149, 32007), (172, 31959), (213, 31866), (224, 31830), (254, 31740), (277, 31686),

Gene: Halley_97 Start: 59101, Stop: 58394, Start Num: 62
Candidate Starts for Halley_97:
(Start: 62 @59101 has 33 MA's), (Start: 75 @59047 has 5 MA's), (Start: 77 @59038 has 1 MA's), (84, 59014), (110, 58942), (142, 58843), (146, 58831), (153, 58810), (202, 58720), (204, 58714), (229, 58633), (235, 58615), (248, 58576), (256, 58558), (257, 58555), (274, 58504), (279, 58492), (293, 58441),

Gene: Hammy_44 Start: 35475, Stop: 34657, Start Num: 50
Candidate Starts for Hammy_44:
(Start: 50 @35475 has 27 MA's), (74, 35394), (89, 35346), (99, 35319), (142, 35175), (150, 35151), (153, 35142), (157, 35130), (159, 35124), (163, 35112), (192, 35055), (211, 35010), (219, 34986), (240, 34923), (246, 34905), (249, 34896), (275, 34848), (279, 34839), (293, 34788), (319, 34692),

Gene: HanKaySha_53 Start: 39183, Stop: 38410, Start Num: 36
Candidate Starts for HanKaySha_53:
(Start: 36 @39183 has 119 MA's), (Start: 49 @39159 has 41 MA's), (Start: 59 @39129 has 1 MA's), (88, 39021), (120, 38925), (142, 38844), (150, 38820), (153, 38811), (156, 38802), (207, 38697), (209, 38691), (211, 38685), (258, 38541), (263, 38529), (274, 38505), (302, 38418),

Gene: Hannaconda_82 Start: 51989, Stop: 51336, Start Num: 75
Candidate Starts for Hannaconda_82:
(Start: 62 @52043 has 33 MA's), (Start: 75 @51989 has 5 MA's), (Start: 77 @51980 has 1 MA's), (84, 51956), (110, 51884), (142, 51785), (146, 51773), (153, 51752), (202, 51662), (204, 51656), (229, 51575), (235, 51557), (248, 51518), (256, 51500), (257, 51497), (274, 51446), (279, 51434), (293, 51383),

Gene: Harella_54 Start: 40731, Stop: 39958, Start Num: 36
Candidate Starts for Harella_54:
(Start: 36 @40731 has 119 MA's), (Start: 49 @40707 has 41 MA's), (Start: 59 @40677 has 1 MA's), (88, 40569), (120, 40473), (142, 40392), (150, 40368), (153, 40359), (156, 40350), (207, 40245), (209, 40239), (211, 40233), (258, 40089), (263, 40077), (274, 40053), (302, 39966),

Gene: HedwigODU_42 Start: 34574, Stop: 33672, Start Num: 20

Candidate Starts for HedwigODU_42:
(Start: 20 @34574 has 40 MA's), (Start: 37 @34517 has 2 MA's), (Start: 43 @34511 has 25 MA's), (Start: 53 @34487 has 10 MA's), (Start: 60 @34466 has 6 MA's), (68, 34442), (90, 34352), (94, 34343), (128, 34238), (129, 34235), (131, 34226), (135, 34208), (137, 34202), (153, 34154), (159, 34136), (170, 34106), (176, 34094), (182, 34085), (208, 34028), (213, 34013), (232, 33956), (248, 33905), (254, 33890), (269, 33863), (279, 33842), (283, 33830),

Gene: Heftyboy_40 Start: 33939, Stop: 33097, Start Num: 40
Candidate Starts for Heftyboy_40:
(Start: 40 @33939 has 24 MA's), (Start: 59 @33897 has 1 MA's), (128, 33672), (147, 33603), (149, 33597), (156, 33582), (161, 33564), (179, 33528), (206, 33456), (237, 33357), (246, 33330), (249, 33321), (252, 33312), (271, 33285), (274, 33279), (280, 33264), (293, 33216), (301, 33195),

Gene: Henry_53 Start: 39815, Stop: 39042, Start Num: 36
Candidate Starts for Henry_53:
(Start: 36 @39815 has 119 MA's), (Start: 49 @39791 has 41 MA's), (Start: 59 @39761 has 1 MA's), (88, 39653), (120, 39557), (142, 39476), (150, 39452), (153, 39443), (156, 39434), (207, 39329), (209, 39323), (211, 39317), (258, 39173), (263, 39161), (274, 39137), (302, 39050),

Gene: Hidrated_82 Start: 56990, Stop: 56283, Start Num: 62
Candidate Starts for Hidrated_82:
(Start: 62 @56990 has 33 MA's), (Start: 75 @56936 has 5 MA's), (Start: 77 @56927 has 1 MA's), (110, 56831), (142, 56732), (146, 56720), (153, 56699), (202, 56609), (204, 56603), (229, 56522), (235, 56504), (248, 56465), (256, 56447), (257, 56444), (274, 56393), (279, 56381), (293, 56330),

Gene: Highbury_55 Start: 39472, Stop: 38699, Start Num: 36
Candidate Starts for Highbury_55:
(Start: 36 @39472 has 119 MA's), (Start: 49 @39448 has 41 MA's), (Start: 59 @39418 has 1 MA's), (88, 39310), (120, 39214), (142, 39133), (150, 39109), (153, 39100), (156, 39091), (207, 38986), (209, 38980), (211, 38974), (258, 38830), (263, 38818), (274, 38794), (302, 38707),

Gene: Hiraya_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Hiraya_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (94, 33544), (98, 33529), (115, 33472), (118, 33466), (131, 33424), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: HokkenD_84 Start: 57370, Stop: 56663, Start Num: 62
Candidate Starts for HokkenD_84:
(Start: 62 @57370 has 33 MA's), (Start: 75 @57316 has 5 MA's), (Start: 77 @57307 has 1 MA's), (84, 57283), (110, 57211), (142, 57112), (146, 57100), (153, 57079), (202, 56989), (204, 56983), (229, 56902), (235, 56884), (248, 56845), (256, 56827), (257, 56824), (274, 56773), (279, 56761), (293, 56710),

Gene: Holt_59 Start: 40287, Stop: 39514, Start Num: 36
Candidate Starts for Holt_59:
(Start: 36 @40287 has 119 MA's), (Start: 49 @40263 has 41 MA's), (Start: 59 @40233 has 1 MA's), (88, 40125), (120, 40029), (142, 39948), (150, 39924), (153, 39915), (156, 39906), (207, 39801), (209, 39795), (211, 39789), (258, 39645), (263, 39633), (274, 39609), (302, 39522),

Gene: Homura_42 Start: 34626, Stop: 33787, Start Num: 43
Candidate Starts for Homura_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68,

34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Hoonter_57 Start: 39873, Stop: 39100, Start Num: 36
Candidate Starts for Hoonter_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: Hopey_54 Start: 39717, Stop: 38944, Start Num: 36
Candidate Starts for Hopey_54:
(Start: 36 @39717 has 119 MA's), (Start: 49 @39693 has 41 MA's), (Start: 59 @39663 has 1 MA's), (88, 39555), (120, 39459), (142, 39378), (150, 39354), (153, 39345), (156, 39336), (207, 39231), (209, 39225), (211, 39219), (258, 39075), (263, 39063), (274, 39039), (302, 38952),

Gene: HufflyPuff_56 Start: 40547, Stop: 39774, Start Num: 36
Candidate Starts for HufflyPuff_56:
(Start: 36 @40547 has 119 MA's), (Start: 49 @40523 has 41 MA's), (Start: 59 @40493 has 1 MA's), (88, 40385), (120, 40289), (142, 40208), (150, 40184), (153, 40175), (156, 40166), (207, 40061), (209, 40055), (211, 40049), (258, 39905), (263, 39893), (274, 39869), (302, 39782),

Gene: Hughesyang_95 Start: 59005, Stop: 58352, Start Num: 75
Candidate Starts for Hughesyang_95:
(Start: 62 @59059 has 33 MA's), (Start: 75 @59005 has 5 MA's), (Start: 77 @58996 has 1 MA's), (84, 58972), (110, 58900), (142, 58801), (146, 58789), (153, 58768), (202, 58678), (204, 58672), (229, 58591), (235, 58573), (248, 58534), (256, 58516), (257, 58513), (274, 58462), (279, 58450), (293, 58399),

Gene: Hurricane_45 Start: 35158, Stop: 34283, Start Num: 50
Candidate Starts for Hurricane_45:
(Start: 33 @35194 has 25 MA's), (Start: 50 @35158 has 27 MA's), (Start: 71 @35089 has 1 MA's), (78, 35059), (142, 34849), (150, 34825), (153, 34816), (157, 34804), (159, 34798), (178, 34750), (213, 34669), (215, 34663), (219, 34651), (251, 34552), (293, 34447), (300, 34429),

Gene: Hyperbowlee_42 Start: 34778, Stop: 33984, Start Num: 60
Candidate Starts for Hyperbowlee_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: IHOP_52 Start: 39939, Stop: 39166, Start Num: 36
Candidate Starts for IHOP_52:
(Start: 36 @39939 has 119 MA's), (Start: 49 @39915 has 41 MA's), (Start: 59 @39885 has 1 MA's), (88, 39777), (120, 39681), (142, 39600), (150, 39576), (153, 39567), (156, 39558), (207, 39453), (209, 39447), (211, 39441), (258, 39297), (263, 39285), (274, 39261), (302, 39174),

Gene: Icee_54 Start: 39541, Stop: 38768, Start Num: 36
Candidate Starts for Icee_54:
(Start: 36 @39541 has 119 MA's), (Start: 49 @39517 has 41 MA's), (Start: 59 @39487 has 1 MA's), (88, 39379), (120, 39283), (142, 39202), (150, 39178), (153, 39169), (156, 39160), (207, 39055), (209,

39049), (211, 39043), (258, 38899), (263, 38887), (274, 38863), (302, 38776),

Gene: Illumine_45 Start: 35293, Stop: 34454, Start Num: 43
Candidate Starts for Illumine_45:
(Start: 43 @35293 has 25 MA's), (Start: 60 @35248 has 6 MA's), (68, 35224), (Start: 72 @35200 has 1 MA's), (90, 35134), (94, 35125), (97, 35119), (128, 35020), (129, 35017), (131, 35008), (135, 34990), (150, 34945), (153, 34936), (176, 34876), (182, 34867), (213, 34795), (215, 34789), (229, 34744), (232, 34738), (234, 34729), (248, 34687), (254, 34672), (262, 34654), (279, 34624), (283, 34612), (293, 34573),

Gene: Inca_51 Start: 38464, Stop: 37691, Start Num: 36
Candidate Starts for Inca_51:
(Start: 36 @38464 has 119 MA's), (Start: 49 @38440 has 41 MA's), (Start: 59 @38410 has 1 MA's), (88, 38302), (120, 38206), (142, 38125), (150, 38101), (153, 38092), (156, 38083), (207, 37978), (209, 37972), (211, 37966), (258, 37822), (274, 37786), (302, 37699),

Gene: Inky_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Inky_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: InvictusManeo_40 Start: 34004, Stop: 33153, Start Num: 40
Candidate Starts for InvictusManeo_40:
(Start: 40 @34004 has 24 MA's), (80, 33875), (95, 33833), (128, 33734), (131, 33722), (144, 33674), (156, 33644), (161, 33626), (177, 33590), (233, 33431), (237, 33416), (241, 33404), (252, 33371), (256, 33362), (271, 33344), (274, 33338), (280, 33323), (293, 33275), (301, 33254),

Gene: JAWS_42 Start: 34563, Stop: 33661, Start Num: 20
Candidate Starts for JAWS_42:
(Start: 20 @34563 has 40 MA's), (Start: 25 @34542 has 2 MA's), (Start: 37 @34506 has 2 MA's), (Start: 43 @34500 has 25 MA's), (Start: 53 @34476 has 10 MA's), (Start: 60 @34455 has 6 MA's), (68, 34431), (90, 34341), (94, 34332), (128, 34227), (129, 34224), (131, 34215), (135, 34197), (137, 34191), (153, 34143), (159, 34125), (170, 34095), (176, 34083), (182, 34074), (213, 34002), (232, 33945), (248, 33894), (254, 33879), (269, 33852), (279, 33831), (283, 33819),

Gene: JF1_46 Start: 35662, Stop: 34841, Start Num: 49
Candidate Starts for JF1_46:
(Start: 49 @35662 has 41 MA's), (Start: 50 @35659 has 27 MA's), (55, 35644), (Start: 79 @35551 has 1 MA's), (85, 35530), (110, 35458), (124, 35416), (128, 35404), (129, 35401), (131, 35392), (138, 35362), (158, 35302), (176, 35266), (182, 35257), (221, 35164), (238, 35110), (246, 35086), (248, 35080), (252, 35068), (282, 34996), (288, 34975),

Gene: Jarvi_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Jarvi_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Jayhawk_43 Start: 34572, Stop: 33670, Start Num: 20
Candidate Starts for Jayhawk_43:
(Start: 20 @34572 has 40 MA's), (Start: 37 @34515 has 2 MA's), (Start: 43 @34509 has 25 MA's), (Start: 53 @34485 has 10 MA's), (Start: 60 @34464 has 6 MA's), (68, 34440), (90, 34350), (94, 34341), (128, 34236), (129, 34233), (131, 34224), (135, 34206), (137, 34200), (153, 34152), (159, 34134), (170, 34104), (176, 34092), (182, 34083), (208, 34026), (213, 34011), (232, 33954), (248, 33903), (254, 33888), (269, 33861), (279, 33840), (283, 33828),

Gene: JeTaime_55 Start: 40367, Stop: 39594, Start Num: 36
Candidate Starts for JeTaime_55:
(Start: 36 @40367 has 119 MA's), (Start: 49 @40343 has 41 MA's), (Start: 59 @40313 has 1 MA's), (88, 40205), (120, 40109), (142, 40028), (150, 40004), (153, 39995), (156, 39986), (207, 39881), (209, 39875), (211, 39869), (258, 39725), (263, 39713), (274, 39689), (302, 39602),

Gene: Jeckyll_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Jeckyll_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Jobypre_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for Jobypre_37:
(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: JoeDirt_36 Start: 32357, Stop: 31575, Start Num: 33
Candidate Starts for JoeDirt_36:
(Start: 33 @32357 has 25 MA's), (38, 32339), (123, 32072), (131, 32045), (132, 32042), (140, 32012), (142, 32000), (149, 31979), (172, 31931), (213, 31838), (224, 31802), (254, 31712), (277, 31658),

Gene: Joy99_42 Start: 34555, Stop: 33716, Start Num: 43
Candidate Starts for Joy99_42:
(Start: 20 @34618 has 40 MA's), (Start: 25 @34597 has 2 MA's), (Start: 37 @34561 has 2 MA's), (Start: 43 @34555 has 25 MA's), (Start: 53 @34531 has 10 MA's), (Start: 60 @34510 has 6 MA's), (68, 34486), (90, 34396), (94, 34387), (128, 34282), (129, 34279), (131, 34270), (135, 34252), (137, 34246), (153, 34198), (159, 34180), (170, 34150), (176, 34138), (182, 34129), (213, 34057), (232, 34000), (248, 33949), (254, 33934), (269, 33907), (279, 33886), (283, 33874),

Gene: Jubie_37 Start: 33979, Stop: 33188, Start Num: 32
Candidate Starts for Jubie_37:
(Start: 8 @34069 has 1 MA's), (18, 34027), (Start: 32 @33979 has 54 MA's), (38, 33961), (57, 33925), (Start: 79 @33841 has 1 MA's), (82, 33829), (99, 33778), (102, 33769), (118, 33718), (121, 33712), (153, 33601), (205, 33487), (214, 33460), (229, 33403), (272, 33289), (290, 33235), (298, 33202),

Gene: JuicyJay_92 Start: 60235, Stop: 59528, Start Num: 62
Candidate Starts for JuicyJay_92:
(Start: 62 @60235 has 33 MA's), (Start: 75 @60181 has 5 MA's), (Start: 77 @60172 has 1 MA's), (110, 60076), (142, 59977), (146, 59965), (153, 59944), (202, 59854), (204, 59848), (229, 59767), (235, 59749), (248, 59710), (256, 59692), (257, 59689), (274, 59638), (279, 59626), (293, 59575),

Gene: Juliette_48 Start: 35819, Stop: 35001, Start Num: 49
Candidate Starts for Juliette_48:
(Start: 49 @35819 has 41 MA's), (Start: 50 @35816 has 27 MA's), (55, 35801), (Start: 72 @35738 has 1 MA's), (Start: 79 @35708 has 1 MA's), (85, 35687), (99, 35651), (110, 35615), (124, 35573), (128, 35561), (129, 35558), (138, 35519), (153, 35474), (158, 35459), (176, 35423), (182, 35414), (221, 35321), (238, 35267), (246, 35243), (248, 35237), (255, 35219), (282, 35153), (288, 35132),

Gene: Kahlid_39 Start: 33744, Stop: 32965, Start Num: 32
Candidate Starts for Kahlid_39:
(Start: 32 @33744 has 54 MA's), (55, 33687), (74, 33615), (94, 33549), (98, 33534), (115, 33477), (118, 33471), (131, 33429), (223, 33189), (257, 33096), (260, 33090), (277, 33051),

Gene: Kalah2_89 Start: 58394, Stop: 57687, Start Num: 62
Candidate Starts for Kalah2_89:
(Start: 62 @58394 has 33 MA's), (Start: 75 @58340 has 5 MA's), (Start: 77 @58331 has 1 MA's), (84, 58307), (110, 58235), (142, 58136), (146, 58124), (153, 58103), (202, 58013), (204, 58007), (229, 57926), (235, 57908), (248, 57869), (256, 57851), (257, 57848), (274, 57797), (279, 57785), (293, 57734),

Gene: Kanye_50 Start: 39227, Stop: 38454, Start Num: 36
Candidate Starts for Kanye_50:
(Start: 36 @39227 has 119 MA's), (Start: 49 @39203 has 41 MA's), (Start: 59 @39173 has 1 MA's), (88, 39065), (120, 38969), (142, 38888), (150, 38864), (153, 38855), (156, 38846), (207, 38741), (209, 38735), (211, 38729), (258, 38585), (263, 38573), (274, 38549), (302, 38462),

Gene: KashFlow_86 Start: 53547, Stop: 52894, Start Num: 75
Candidate Starts for KashFlow_86:
(Start: 62 @53601 has 33 MA's), (Start: 75 @53547 has 5 MA's), (Start: 77 @53538 has 1 MA's), (142, 53343), (146, 53331), (153, 53310), (171, 53268), (203, 53217), (204, 53214), (229, 53133), (235, 53115), (248, 53076), (254, 53064), (256, 53058), (257, 53055), (270, 53013), (274, 53004), (279, 52992), (293, 52941),

Gene: Keshu_46 Start: 35253, Stop: 34336, Start Num: 33
Candidate Starts for Keshu_46:
(Start: 33 @35253 has 25 MA's), (Start: 50 @35217 has 27 MA's), (Start: 71 @35148 has 1 MA's), (142, 34908), (150, 34884), (153, 34875), (157, 34863), (159, 34857), (168, 34830), (178, 34809), (183, 34797), (213, 34728), (215, 34722), (219, 34710), (230, 34671), (233, 34668), (245, 34629), (251, 34611), (282, 34548), (293, 34506),

Gene: KiSi_46 Start: 35654, Stop: 34881, Start Num: 48
Candidate Starts for KiSi_46:
(Start: 48 @35654 has 1 MA's), (Start: 50 @35651 has 27 MA's), (Start: 71 @35588 has 1 MA's), (Start: 79 @35555 has 1 MA's), (124, 35423), (150, 35333), (153, 35324), (169, 35279), (219, 35168), (228, 35135), (234, 35120), (240, 35102), (274, 35030), (293, 34967), (297, 34955),

Gene: Kimchi_57 Start: 39876, Stop: 39103, Start Num: 36
Candidate Starts for Kimchi_57:
(Start: 36 @39876 has 119 MA's), (Start: 49 @39852 has 41 MA's), (Start: 59 @39822 has 1 MA's), (88, 39714), (120, 39618), (142, 39537), (150, 39513), (153, 39504), (156, 39495), (207, 39390), (209, 39384), (211, 39378), (258, 39234), (263, 39222), (274, 39198), (302, 39111),

Gene: Kingsolomon_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for Kingsolomon_37:

(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: KirDoubleO7_35 Start: 33790, Stop: 33206, Start Num: 99
Candidate Starts for KirDoubleO7_35:
(15, 34060), (24, 34015), (Start: 32 @33991 has 54 MA's), (57, 33937), (Start: 79 @33853 has 1 MA's), (82, 33841), (86, 33829), (99, 33790), (102, 33781), (118, 33730), (121, 33724), (153, 33613), (176, 33565), (214, 33478), (229, 33421), (232, 33415), (272, 33307), (290, 33253),

Gene: Klein_96 Start: 58101, Stop: 57394, Start Num: 62
Candidate Starts for Klein_96:
(Start: 62 @58101 has 33 MA's), (Start: 75 @58047 has 5 MA's), (Start: 77 @58038 has 1 MA's), (110, 57942), (142, 57843), (146, 57831), (153, 57810), (202, 57720), (204, 57714), (229, 57633), (235, 57615), (248, 57576), (256, 57558), (257, 57555), (274, 57504), (279, 57492), (293, 57441),

Gene: Kostya_55 Start: 40014, Stop: 39265, Start Num: 49
Candidate Starts for Kostya_55:
(Start: 36 @40038 has 119 MA's), (Start: 49 @40014 has 41 MA's), (Start: 59 @39984 has 1 MA's), (88, 39876), (120, 39780), (142, 39699), (150, 39675), (153, 39666), (156, 39657), (207, 39552), (209, 39546), (211, 39540), (258, 39396), (263, 39384), (274, 39360), (302, 39273),

Gene: Kratio_39 Start: 33552, Stop: 32701, Start Num: 40
Candidate Starts for Kratio_39:
(Start: 40 @33552 has 24 MA's), (Start: 59 @33507 has 1 MA's), (93, 33387), (95, 33381), (121, 33303), (128, 33282), (131, 33270), (144, 33222), (156, 33192), (177, 33138), (188, 33105), (233, 32979), (237, 32964), (241, 32952), (248, 32931), (256, 32910), (271, 32892), (280, 32871), (293, 32823), (313, 32751),

Gene: Kraw_46 Start: 35507, Stop: 34689, Start Num: 49
Candidate Starts for Kraw_46:
(Start: 49 @35507 has 41 MA's), (Start: 50 @35504 has 27 MA's), (55, 35489), (Start: 72 @35426 has 1 MA's), (Start: 79 @35396 has 1 MA's), (85, 35375), (99, 35339), (110, 35303), (124, 35261), (128, 35249), (129, 35246), (138, 35207), (153, 35162), (158, 35147), (176, 35111), (182, 35102), (221, 35009), (238, 34955), (246, 34931), (248, 34925), (255, 34907), (282, 34841), (288, 34820),

Gene: Kropertea_36 Start: 32524, Stop: 31736, Start Num: 32
Candidate Starts for Kropertea_36:
(Start: 32 @32524 has 54 MA's), (55, 32467), (Start: 71 @32407 has 1 MA's), (81, 32368), (86, 32350), (112, 32272), (115, 32257), (118, 32251), (131, 32209), (154, 32128), (166, 32098), (174, 32086), (186, 32068), (216, 31990), (218, 31984), (254, 31873), (272, 31831), (277, 31819),

Gene: Krueger_48 Start: 35401, Stop: 34511, Start Num: 50
Candidate Starts for Krueger_48:
(Start: 50 @35401 has 27 MA's), (63, 35365), (Start: 71 @35332 has 1 MA's), (74, 35320), (76, 35308), (142, 35101), (150, 35077), (153, 35068), (157, 35056), (159, 35050), (215, 34918), (219, 34906), (270, 34780), (273, 34774), (283, 34747), (286, 34738), (293, 34708),

Gene: Krypton555_37 Start: 33883, Stop: 33092, Start Num: 32
Candidate Starts for Krypton555_37:
(5, 34012), (6, 34003), (Start: 8 @33973 has 1 MA's), (Start: 21 @33916 has 9 MA's), (24, 33907), (29, 33889), (Start: 32 @33883 has 54 MA's), (57, 33829), (86, 33721), (96, 33694), (99, 33682), (101, 33676), (102, 33673), (118, 33622), (121, 33616), (136, 33559), (156, 33496), (214, 33364), (229,

33307), (272, 33193),

Gene: Larva_41 Start: 33722, Stop: 32871, Start Num: 40
Candidate Starts for Larva_41:
(13, 33824), (Start: 27 @33758 has 2 MA's), (Start: 40 @33722 has 24 MA's), (Start: 59 @33677 has 1 MA's), (78, 33599), (95, 33551), (128, 33452), (131, 33440), (144, 33392), (156, 33362), (161, 33344), (177, 33308), (181, 33302), (188, 33275), (233, 33149), (237, 33134), (241, 33122), (256, 33080), (280, 33041), (293, 32993),

Gene: LastHope_45 Start: 33885, Stop: 33040, Start Num: 53
Candidate Starts for LastHope_45:
(Start: 53 @33885 has 10 MA's), (104, 33708), (128, 33639), (141, 33591), (142, 33585), (145, 33576), (150, 33561), (153, 33552), (189, 33468), (199, 33450), (204, 33438), (208, 33426), (222, 33381), (246, 33309), (248, 33303), (265, 33246), (270, 33237), (271, 33234), (279, 33216), (293, 33159), (321, 33051),

Gene: LaterM_43 Start: 35407, Stop: 34568, Start Num: 43
Candidate Starts for LaterM_43:
(Start: 20 @35470 has 40 MA's), (Start: 25 @35449 has 2 MA's), (Start: 37 @35413 has 2 MA's), (Start: 43 @35407 has 25 MA's), (Start: 53 @35383 has 10 MA's), (Start: 60 @35362 has 6 MA's), (Start: 61 @35359 has 1 MA's), (68, 35338), (90, 35248), (94, 35239), (128, 35134), (129, 35131), (131, 35122), (135, 35104), (150, 35059), (153, 35050), (176, 34990), (182, 34981), (213, 34909), (232, 34852), (254, 34786), (271, 34756), (279, 34738), (283, 34726), (307, 34636),

Gene: Lavahound_40 Start: 35643, Stop: 34810, Start Num: 53
Candidate Starts for Lavahound_40:
(Start: 53 @35643 has 10 MA's), (67, 35604), (Start: 71 @35580 has 1 MA's), (78, 35550), (142, 35349), (150, 35325), (153, 35316), (157, 35304), (159, 35298), (163, 35286), (179, 35253), (189, 35226), (215, 35163), (219, 35151), (246, 35067), (280, 34998), (286, 34980), (289, 34968), (293, 34950),

Gene: LeBron_37 Start: 32401, Stop: 31619, Start Num: 33
Candidate Starts for LeBron_37:
(Start: 33 @32401 has 25 MA's), (38, 32383), (123, 32116), (131, 32089), (132, 32086), (140, 32056), (142, 32044), (149, 32023), (172, 31975), (213, 31882), (224, 31846), (254, 31756), (277, 31702),

Gene: LeMond_46 Start: 35651, Stop: 34884, Start Num: 50
Candidate Starts for LeMond_46:
(Start: 50 @35651 has 27 MA's), (Start: 71 @35588 has 1 MA's), (84, 35537), (121, 35432), (124, 35423), (142, 35357), (150, 35333), (153, 35324), (169, 35279), (219, 35168), (234, 35120), (239, 35105), (274, 35030), (284, 35003), (293, 34967),

Gene: Lea83_45 Start: 35192, Stop: 34311, Start Num: 50
Candidate Starts for Lea83_45:
(Start: 33 @35228 has 25 MA's), (Start: 47 @35198 has 1 MA's), (Start: 50 @35192 has 27 MA's), (114, 34976), (142, 34883), (150, 34859), (153, 34850), (157, 34838), (159, 34832), (178, 34784), (213, 34703), (215, 34697), (219, 34685), (233, 34643), (251, 34586), (293, 34481), (311, 34415),

Gene: Lebo14_46 Start: 35768, Stop: 34953, Start Num: 50
Candidate Starts for Lebo14_46:
(Start: 49 @35771 has 41 MA's), (Start: 50 @35768 has 27 MA's), (55, 35753), (Start: 72 @35690 has 1 MA's), (Start: 79 @35660 has 1 MA's), (85, 35639), (99, 35603), (110, 35567), (124, 35525), (128, 35513), (129, 35510), (138, 35471), (153, 35426), (158, 35411), (176, 35375), (182, 35366), (221,

35273), (238, 35219), (246, 35195), (248, 35189), (255, 35171), (282, 35105), (288, 35084),

Gene: Leston_40 Start: 33923, Stop: 33081, Start Num: 40
Candidate Starts for Leston_40:
(Start: 40 @33923 has 24 MA's), (Start: 59 @33881 has 1 MA's), (118, 33686), (128, 33656), (147, 33587), (149, 33581), (156, 33566), (161, 33548), (179, 33512), (206, 33440), (237, 33341), (246, 33314), (249, 33305), (252, 33296), (271, 33269), (274, 33263), (280, 33248), (293, 33200), (301, 33179),

Gene: Lewan_39 Start: 33732, Stop: 32953, Start Num: 32
Candidate Starts for Lewan_39:
(Start: 32 @33732 has 54 MA's), (55, 33675), (57, 33669), (68, 33636), (83, 33564), (115, 33465), (118, 33459), (131, 33417), (148, 33354), (180, 33285), (231, 33153), (254, 33093), (257, 33084), (277, 33039),

Gene: LilDestine_39 Start: 33737, Stop: 32958, Start Num: 32
Candidate Starts for LilDestine_39:
(Start: 32 @33737 has 54 MA's), (55, 33680), (74, 33608), (94, 33542), (115, 33470), (118, 33464), (131, 33422), (223, 33182), (257, 33089), (260, 33083),

Gene: LilDirt_40 Start: 33762, Stop: 32911, Start Num: 40
Candidate Starts for LilDirt_40:
(Start: 40 @33762 has 24 MA's), (80, 33633), (95, 33591), (128, 33492), (131, 33480), (144, 33432), (156, 33402), (161, 33384), (177, 33348), (233, 33189), (237, 33174), (241, 33162), (252, 33129), (256, 33120), (271, 33102), (274, 33096), (280, 33081), (293, 33033), (301, 33012),

Gene: LilPharaoh_37 Start: 34082, Stop: 33180, Start Num: 46
Candidate Starts for LilPharaoh_37:
(Start: 34 @34100 has 2 MA's), (Start: 46 @34082 has 15 MA's), (Start: 62 @34034 has 33 MA's), (69, 34007), (73, 33989), (Start: 79 @33956 has 1 MA's), (84, 33938), (87, 33932), (90, 33920), (118, 33836), (123, 33821), (128, 33806), (138, 33764), (151, 33728), (157, 33710), (173, 33668), (186, 33650), (204, 33611), (226, 33542), (238, 33503), (243, 33488), (267, 33434), (276, 33416), (283, 33398), (293, 33359), (311, 33293), (332, 33203),

Gene: Lilac_57 Start: 39502, Stop: 38729, Start Num: 36
Candidate Starts for Lilac_57:
(Start: 36 @39502 has 119 MA's), (Start: 49 @39478 has 41 MA's), (Start: 59 @39448 has 1 MA's), (88, 39340), (120, 39244), (142, 39163), (150, 39139), (153, 39130), (156, 39121), (207, 39016), (209, 39010), (211, 39004), (258, 38860), (263, 38848), (274, 38824), (302, 38737),

Gene: Lilizi_54 Start: 39176, Stop: 38403, Start Num: 36
Candidate Starts for Lilizi_54:
(Start: 36 @39176 has 119 MA's), (Start: 49 @39152 has 41 MA's), (Start: 59 @39122 has 1 MA's), (88, 39014), (120, 38918), (142, 38837), (150, 38813), (153, 38804), (156, 38795), (207, 38690), (209, 38684), (211, 38678), (258, 38534), (263, 38522), (274, 38498), (302, 38411),

Gene: Lilpickle_54 Start: 39393, Stop: 38620, Start Num: 36
Candidate Starts for Lilpickle_54:
(Start: 36 @39393 has 119 MA's), (Start: 49 @39369 has 41 MA's), (Start: 59 @39339 has 1 MA's), (88, 39231), (120, 39135), (142, 39054), (150, 39030), (153, 39021), (156, 39012), (207, 38907), (209, 38901), (211, 38895), (258, 38751), (263, 38739), (274, 38715), (302, 38628),

Gene: LindNT_42 Start: 34750, Stop: 33857, Start Num: 21

Candidate Starts for LindNT_42:
(Start: 21 @34750 has 9 MA's), (Start: 37 @34702 has 2 MA's), (Start: 43 @34696 has 25 MA's), (Start: 53 @34672 has 10 MA's), (Start: 60 @34651 has 6 MA's), (68, 34627), (90, 34537), (94, 34528), (128, 34423), (129, 34420), (131, 34411), (135, 34393), (150, 34348), (153, 34339), (159, 34321), (170, 34291), (176, 34279), (182, 34270), (213, 34198), (232, 34141), (254, 34075), (269, 34048), (279, 34027), (283, 34015),

Gene: LittleE_94 Start: 57167, Stop: 56460, Start Num: 62
Candidate Starts for LittleE_94:
(Start: 62 @57167 has 33 MA's), (Start: 75 @57113 has 5 MA's), (Start: 77 @57104 has 1 MA's), (116, 56990), (142, 56909), (146, 56897), (150, 56885), (153, 56876), (171, 56834), (204, 56780), (229, 56699), (235, 56681), (248, 56642), (254, 56630), (256, 56624), (257, 56621), (270, 56579), (274, 56570), (278, 56561), (279, 56558), (293, 56507),

Gene: Livelaughbron_58 Start: 40515, Stop: 39904, Start Num: 88
Candidate Starts for Livelaughbron_58:
(Start: 36 @40677 has 119 MA's), (Start: 49 @40653 has 41 MA's), (Start: 59 @40623 has 1 MA's), (88, 40515), (120, 40419), (142, 40338), (150, 40314), (153, 40305), (156, 40296), (207, 40191), (209, 40185), (211, 40179), (258, 40035), (263, 40023), (274, 39999), (302, 39912),

Gene: LiyuLake_37 Start: 33955, Stop: 33164, Start Num: 32
Candidate Starts for LiyuLake_37:
(Start: 32 @33955 has 54 MA's), (57, 33901), (92, 33778), (102, 33745), (118, 33694), (121, 33688), (153, 33577), (205, 33463), (214, 33436), (229, 33379), (238, 33352), (298, 33178),

Gene: Llorens_42 Start: 34626, Stop: 33787, Start Num: 43
Candidate Starts for Llorens_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Loadrie_39 Start: 33770, Stop: 32991, Start Num: 32
Candidate Starts for Loadrie_39:
(Start: 32 @33770 has 54 MA's), (55, 33713), (74, 33641), (94, 33575), (98, 33560), (115, 33503), (118, 33497), (131, 33455), (223, 33215), (257, 33122), (260, 33116), (277, 33077),

Gene: Lokum_43 Start: 34690, Stop: 33788, Start Num: 20
Candidate Starts for Lokum_43:
(Start: 20 @34690 has 40 MA's), (Start: 25 @34669 has 2 MA's), (Start: 37 @34633 has 2 MA's), (Start: 43 @34627 has 25 MA's), (Start: 53 @34603 has 10 MA's), (Start: 60 @34582 has 6 MA's), (68, 34558), (90, 34468), (94, 34459), (128, 34354), (129, 34351), (131, 34342), (135, 34324), (137, 34318), (153, 34270), (159, 34252), (170, 34222), (176, 34210), (182, 34201), (213, 34129), (232, 34072), (248, 34021), (254, 34006), (269, 33979), (279, 33958), (283, 33946),

Gene: Lolly9_37 Start: 33775, Stop: 32987, Start Num: 32
Candidate Starts for Lolly9_37:
(18, 33823), (Start: 32 @33775 has 54 MA's), (38, 33754), (57, 33718), (92, 33595), (99, 33571), (102, 33562), (118, 33511), (121, 33505), (136, 33448), (201, 33298), (214, 33259), (229, 33202), (232, 33196), (272, 33088), (290, 33034),

Gene: Lucky2013_88 Start: 53487, Stop: 52780, Start Num: 62

Candidate Starts for Lucky2013_88:
(Start: 62 @53487 has 33 MA's), (Start: 75 @53433 has 5 MA's), (Start: 77 @53424 has 1 MA's), (110, 53328), (116, 53310), (142, 53229), (146, 53217), (148, 53211), (150, 53205), (153, 53196), (171, 53154), (203, 53103), (204, 53100), (229, 53019), (235, 53001), (248, 52962), (254, 52950), (256, 52944), (257, 52941), (270, 52899), (274, 52890), (278, 52881), (279, 52878), (293, 52827),

Gene: Lumos_37 Start: 33975, Stop: 33184, Start Num: 32
Candidate Starts for Lumos_37:
(Start: 8 @34065 has 1 MA's), (18, 34023), (Start: 32 @33975 has 54 MA's), (38, 33957), (57, 33921), (Start: 79 @33837 has 1 MA's), (82, 33825), (99, 33774), (102, 33765), (118, 33714), (121, 33708), (153, 33597), (205, 33483), (214, 33456), (229, 33399), (272, 33285), (290, 33231), (298, 33198),

Gene: Lunahalos_42 Start: 34689, Stop: 33787, Start Num: 20
Candidate Starts for Lunahalos_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Lynnae_39 Start: 33727, Stop: 32948, Start Num: 32
Candidate Starts for Lynnae_39:
(Start: 32 @33727 has 54 MA's), (55, 33670), (74, 33598), (94, 33532), (98, 33517), (115, 33460), (118, 33454), (131, 33412), (223, 33172), (257, 33079), (260, 33073), (277, 33034),

Gene: MAckerman_37 Start: 32379, Stop: 31597, Start Num: 33
Candidate Starts for MAckerman_37:
(Start: 33 @32379 has 25 MA's), (123, 32094), (131, 32067), (132, 32064), (140, 32034), (142, 32022), (149, 32001), (172, 31953), (213, 31860), (224, 31824), (254, 31734), (277, 31680),

Gene: MISSy_54 Start: 39600, Stop: 38827, Start Num: 36
Candidate Starts for MISSy_54:
(Start: 36 @39600 has 119 MA's), (Start: 49 @39576 has 41 MA's), (Start: 59 @39546 has 1 MA's), (88, 39438), (120, 39342), (142, 39261), (150, 39237), (153, 39228), (156, 39219), (207, 39114), (209, 39108), (211, 39102), (258, 38958), (263, 38946), (274, 38922), (302, 38835),

Gene: MPhalcon_54 Start: 39593, Stop: 38820, Start Num: 36
Candidate Starts for MPhalcon_54:
(Start: 36 @39593 has 119 MA's), (Start: 49 @39569 has 41 MA's), (Start: 59 @39539 has 1 MA's), (88, 39431), (120, 39335), (142, 39254), (150, 39230), (153, 39221), (156, 39212), (207, 39107), (209, 39101), (211, 39095), (258, 38951), (263, 38939), (274, 38915), (302, 38828),

Gene: MacnCheese_46 Start: 36148, Stop: 35237, Start Num: 33
Candidate Starts for MacnCheese_46:
(2, 36340), (Start: 33 @36148 has 25 MA's), (Start: 47 @36118 has 1 MA's), (Start: 50 @36112 has 27 MA's), (78, 36013), (128, 35866), (142, 35812), (150, 35788), (153, 35779), (157, 35767), (159, 35761), (178, 35719), (205, 35662), (213, 35638), (219, 35620), (251, 35527), (273, 35491), (274, 35488), (291, 35434), (293, 35425), (317, 35338),

Gene: MadamMonkfish_54 Start: 39117, Stop: 38344, Start Num: 36
Candidate Starts for MadamMonkfish_54:
(Start: 36 @39117 has 119 MA's), (Start: 49 @39093 has 41 MA's), (Start: 59 @39063 has 1 MA's), (88, 38955), (120, 38859), (142, 38778), (150, 38754), (153, 38745), (156, 38736), (207, 38631), (209,

38625), (211, 38619), (258, 38475), (263, 38463), (274, 38439), (302, 38352),

Gene: MalagasyRose_43 Start: 32679, Stop: 33419, Start Num: 49
Candidate Starts for MalagasyRose_43:
(35, 32652), (45, 32670), (Start: 49 @32679 has 41 MA's), (66, 32730), (74, 32769), (83, 32808), (85, 32811), (88, 32817), (97, 32841), (98, 32847), (118, 32910), (120, 32913), (128, 32940), (129, 32943), (142, 32994), (144, 33000), (148, 33012), (153, 33027), (164, 33063), (182, 33087), (198, 33111), (207, 33135), (209, 33141), (216, 33162), (217, 33165), (241, 33243), (245, 33255), (254, 33279), (270, 33318), (274, 33324), (279, 33336), (283, 33348), (286, 33357), (287, 33360), (293, 33387),

Gene: Malthus_47 Start: 35507, Stop: 34689, Start Num: 49
Candidate Starts for Malthus_47:
(Start: 49 @35507 has 41 MA's), (Start: 50 @35504 has 27 MA's), (55, 35489), (Start: 72 @35426 has 1 MA's), (Start: 79 @35396 has 1 MA's), (85, 35375), (99, 35339), (110, 35303), (124, 35261), (128, 35249), (129, 35246), (138, 35207), (153, 35162), (158, 35147), (176, 35111), (182, 35102), (221, 35009), (238, 34955), (246, 34931), (248, 34925), (255, 34907), (282, 34841), (288, 34820),

Gene: Manda_54 Start: 40398, Stop: 39625, Start Num: 36
Candidate Starts for Manda_54:
(Start: 36 @40398 has 119 MA's), (Start: 49 @40374 has 41 MA's), (Start: 59 @40344 has 1 MA's), (88, 40236), (120, 40140), (142, 40059), (150, 40035), (153, 40026), (156, 40017), (207, 39912), (209, 39906), (211, 39900), (258, 39756), (263, 39744), (274, 39720), (302, 39633),

Gene: Marcoliusprime_45 Start: 36592, Stop: 35744, Start Num: 42
Candidate Starts for Marcoliusprime_45:
(Start: 42 @36592 has 8 MA's), (66, 36529), (76, 36478), (92, 36430), (123, 36334), (128, 36319), (140, 36274), (146, 36253), (156, 36229), (176, 36178), (186, 36169), (229, 36049), (233, 36040), (280, 35932), (286, 35914), (288, 35905), (293, 35884),

Gene: MarkPhew_45 Start: 35124, Stop: 34315, Start Num: 33
Candidate Starts for MarkPhew_45:
(Start: 33 @35124 has 25 MA's), (Start: 41 @35103 has 1 MA's), (Start: 50 @35088 has 27 MA's), (Start: 71 @35025 has 1 MA's), (80, 34989), (128, 34848), (150, 34770), (153, 34761), (157, 34749), (169, 34716), (219, 34605), (233, 34563), (234, 34557), (235, 34554), (248, 34515), (253, 34503), (261, 34485), (281, 34449), (305, 34362), (315, 34326),

Gene: Marleymoo_77 Start: 55256, Stop: 54549, Start Num: 62
Candidate Starts for Marleymoo_77:
(Start: 62 @55256 has 33 MA's), (Start: 75 @55202 has 5 MA's), (Start: 77 @55193 has 1 MA's), (110, 55097), (142, 54998), (146, 54986), (153, 54965), (202, 54875), (204, 54869), (229, 54788), (235, 54770), (248, 54731), (256, 54713), (274, 54659), (279, 54647), (281, 54641), (282, 54638), (293, 54596),

Gene: Marshawn_45 Start: 35460, Stop: 34612, Start Num: 43
Candidate Starts for Marshawn_45:
(22, 35508), (Start: 43 @35460 has 25 MA's), (Start: 60 @35415 has 6 MA's), (Start: 62 @35409 has 33 MA's), (67, 35394), (90, 35301), (118, 35217), (128, 35187), (129, 35184), (151, 35109), (156, 35094), (165, 35064), (186, 35031), (198, 35007), (204, 34992), (212, 34968), (237, 34887), (241, 34875), (254, 34839), (271, 34812), (274, 34806), (293, 34743), (303, 34713), (311, 34677),

Gene: Marshmallow_53 Start: 40373, Stop: 39600, Start Num: 36
Candidate Starts for Marshmallow_53:

(Start: 36 @40373 has 119 MA's), (Start: 49 @40349 has 41 MA's), (Start: 59 @40319 has 1 MA's), (88, 40211), (120, 40115), (142, 40034), (150, 40010), (153, 40001), (156, 39992), (207, 39887), (209, 39881), (211, 39875), (258, 39731), (274, 39695), (302, 39608),

Gene: Maxxinista_57 Start: 39472, Stop: 38699, Start Num: 36
Candidate Starts for Maxxinista_57:
(Start: 36 @39472 has 119 MA's), (Start: 49 @39448 has 41 MA's), (Start: 59 @39418 has 1 MA's), (88, 39310), (120, 39214), (142, 39133), (150, 39109), (153, 39100), (156, 39091), (207, 38986), (209, 38980), (211, 38974), (258, 38830), (263, 38818), (274, 38794), (302, 38707),

Gene: McMater_44 Start: 35155, Stop: 34205, Start Num: 46
Candidate Starts for McMater_44:
(9, 35275), (10, 35272), (Start: 46 @35155 has 15 MA's), (Start: 62 @35107 has 33 MA's), (66, 35095), (Start: 71 @35068 has 1 MA's), (73, 35062), (74, 35050), (104, 34948), (118, 34909), (123, 34894), (128, 34879), (153, 34795), (156, 34786), (175, 34750), (214, 34669), (239, 34588), (245, 34570), (282, 34492), (283, 34489), (293, 34450), (318, 34360), (331, 34252),

Gene: Mdavu_38 Start: 34071, Stop: 33169, Start Num: 46
Candidate Starts for Mdavu_38:
(Start: 34 @34089 has 2 MA's), (Start: 46 @34071 has 15 MA's), (Start: 62 @34023 has 33 MA's), (69, 33996), (73, 33978), (Start: 79 @33945 has 1 MA's), (84, 33927), (87, 33921), (90, 33909), (118, 33825), (123, 33810), (128, 33795), (138, 33753), (151, 33717), (157, 33699), (173, 33657), (186, 33639), (204, 33600), (214, 33570), (226, 33531), (238, 33492), (243, 33477), (267, 33423), (276, 33405), (283, 33387), (293, 33348), (311, 33282), (332, 33192),

Gene: MeaningOfLife_43 Start: 35503, Stop: 34601, Start Num: 20
Candidate Starts for MeaningOfLife_43:
(Start: 20 @35503 has 40 MA's), (Start: 37 @35446 has 2 MA's), (Start: 43 @35440 has 25 MA's), (Start: 53 @35416 has 10 MA's), (Start: 60 @35395 has 6 MA's), (68, 35371), (87, 35293), (90, 35281), (94, 35272), (128, 35167), (129, 35164), (131, 35155), (135, 35137), (137, 35131), (153, 35083), (159, 35065), (170, 35035), (176, 35023), (182, 35014), (208, 34957), (213, 34942), (232, 34885), (248, 34834), (254, 34819), (269, 34792), (279, 34771), (283, 34759),

Gene: Megsy_43 Start: 34755, Stop: 33916, Start Num: 43
Candidate Starts for Megsy_43:
(Start: 21 @34809 has 9 MA's), (Start: 37 @34761 has 2 MA's), (Start: 43 @34755 has 25 MA's), (Start: 53 @34731 has 10 MA's), (Start: 60 @34710 has 6 MA's), (68, 34686), (Start: 72 @34662 has 1 MA's), (90, 34596), (94, 34587), (128, 34482), (129, 34479), (131, 34470), (135, 34452), (153, 34398), (159, 34380), (170, 34350), (176, 34338), (182, 34329), (213, 34257), (232, 34200), (248, 34149), (254, 34134), (269, 34107), (279, 34086), (283, 34074),

Gene: MiaZeal_91 Start: 54143, Stop: 53436, Start Num: 62
Candidate Starts for MiaZeal_91:
(Start: 62 @54143 has 33 MA's), (Start: 75 @54089 has 5 MA's), (Start: 77 @54080 has 1 MA's), (110, 53984), (116, 53966), (142, 53885), (146, 53873), (148, 53867), (150, 53861), (153, 53852), (171, 53810), (203, 53759), (204, 53756), (229, 53675), (235, 53657), (248, 53618), (254, 53606), (256, 53600), (257, 53597), (270, 53555), (274, 53546), (278, 53537), (279, 53534), (293, 53483),

Gene: Miley16_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Miley16_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Milly_45 Start: 36565, Stop: 35717, Start Num: 42
Candidate Starts for Milly_45:
(Start: 42 @36565 has 8 MA's), (66, 36502), (76, 36451), (92, 36403), (123, 36307), (128, 36292), (140, 36247), (146, 36226), (156, 36202), (176, 36151), (186, 36142), (229, 36022), (233, 36013), (280, 35905), (286, 35887), (288, 35878), (293, 35857),

Gene: Mindy_53 Start: 38981, Stop: 38208, Start Num: 36
Candidate Starts for Mindy_53:
(Start: 36 @38981 has 119 MA's), (Start: 49 @38957 has 41 MA's), (Start: 59 @38927 has 1 MA's), (88, 38819), (120, 38723), (142, 38642), (150, 38618), (153, 38609), (156, 38600), (207, 38495), (209, 38489), (211, 38483), (258, 38339), (263, 38327), (274, 38303), (302, 38216),

Gene: Minerva_95 Start: 59047, Stop: 58340, Start Num: 61
Candidate Starts for Minerva_95:
(Start: 61 @59047 has 1 MA's), (Start: 77 @58984 has 1 MA's), (110, 58888), (137, 58804), (142, 58789), (146, 58777), (147, 58774), (150, 58765), (153, 58756), (154, 58753), (218, 58618), (219, 58615), (221, 58606), (222, 58603), (229, 58579), (233, 58570), (235, 58561), (238, 58552), (245, 58531), (250, 58516), (257, 58501), (264, 58471), (266, 58465), (270, 58459), (274, 58450), (279, 58438), (286, 58417),

Gene: MiniLon_37 Start: 33776, Stop: 32988, Start Num: 32
Candidate Starts for MiniLon_37:
(18, 33824), (Start: 32 @33776 has 54 MA's), (38, 33755), (57, 33719), (92, 33596), (99, 33572), (102, 33563), (118, 33512), (121, 33506), (136, 33449), (201, 33299), (214, 33260), (229, 33203), (232, 33197), (272, 33089), (290, 33035),

Gene: MiniMac_37 Start: 33773, Stop: 32985, Start Num: 32
Candidate Starts for MiniMac_37:
(18, 33821), (Start: 32 @33773 has 54 MA's), (38, 33752), (57, 33716), (92, 33593), (99, 33569), (102, 33560), (118, 33509), (121, 33503), (136, 33446), (201, 33296), (214, 33257), (229, 33200), (232, 33194), (272, 33086), (290, 33032),

Gene: Miniwave_51 Start: 39434, Stop: 38661, Start Num: 36
Candidate Starts for Miniwave_51:
(Start: 36 @39434 has 119 MA's), (Start: 49 @39410 has 41 MA's), (Start: 59 @39380 has 1 MA's), (88, 39272), (120, 39176), (142, 39095), (150, 39071), (153, 39062), (156, 39053), (207, 38948), (209, 38942), (211, 38936), (258, 38792), (263, 38780), (274, 38756), (302, 38669),

Gene: Miryou_42 Start: 36125, Stop: 35283, Start Num: 40
Candidate Starts for Miryou_42:
(Start: 40 @36125 has 24 MA's), (Start: 59 @36083 has 1 MA's), (118, 35888), (128, 35858), (147, 35789), (149, 35783), (156, 35768), (161, 35750), (179, 35714), (206, 35642), (237, 35543), (246, 35516), (249, 35507), (252, 35498), (271, 35471), (274, 35465), (280, 35450), (289, 35420), (293, 35402), (301, 35381),

Gene: Misfit_56 Start: 40612, Stop: 39839, Start Num: 36
Candidate Starts for Misfit_56:
(Start: 36 @40612 has 119 MA's), (Start: 49 @40588 has 41 MA's), (Start: 59 @40558 has 1 MA's), (88, 40450), (120, 40354), (142, 40273), (150, 40249), (153, 40240), (156, 40231), (207, 40126), (209, 40120), (211, 40114), (258, 39970), (263, 39958), (274, 39934), (302, 39847),

Gene: MissDaisy_44 Start: 34981, Stop: 34190, Start Num: 49
Candidate Starts for MissDaisy_44:

(Start: 49 @34981 has 41 MA's), (58, 34954), (68, 34924), (69, 34915), (100, 34810), (110, 34777), (122, 34741), (124, 34735), (128, 34723), (129, 34720), (131, 34711), (138, 34681), (153, 34636), (158, 34621), (212, 34513), (221, 34483), (228, 34456), (238, 34429), (248, 34399), (286, 34303), (293, 34273),

Gene: Mitti_46 Start: 35683, Stop: 34865, Start Num: 49
Candidate Starts for Mitti_46:
(Start: 49 @35683 has 41 MA's), (Start: 50 @35680 has 27 MA's), (55, 35665), (Start: 72 @35602 has 1 MA's), (Start: 79 @35572 has 1 MA's), (85, 35551), (99, 35515), (110, 35479), (124, 35437), (128, 35425), (129, 35422), (138, 35383), (153, 35338), (158, 35323), (176, 35287), (182, 35278), (221, 35185), (238, 35131), (246, 35107), (248, 35101), (255, 35083), (282, 35017), (288, 34996),

Gene: MkaliMitinis3_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for MkaliMitinis3_39:
(4, 33889), (7, 33835), (12, 33820), (Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (94, 33544), (98, 33529), (115, 33472), (118, 33466), (131, 33424), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Moldemort_57 Start: 39990, Stop: 39217, Start Num: 36
Candidate Starts for Moldemort_57:
(Start: 36 @39990 has 119 MA's), (Start: 49 @39966 has 41 MA's), (Start: 59 @39936 has 1 MA's), (88, 39828), (120, 39732), (142, 39651), (150, 39627), (153, 39618), (156, 39609), (207, 39504), (209, 39498), (211, 39492), (258, 39348), (263, 39336), (274, 39312), (302, 39225),

Gene: Molivier_39 Start: 33736, Stop: 32957, Start Num: 32
Candidate Starts for Molivier_39:
(Start: 32 @33736 has 54 MA's), (55, 33679), (74, 33607), (81, 33580), (94, 33541), (115, 33469), (118, 33463), (131, 33421), (223, 33181), (257, 33088), (260, 33082), (277, 33043),

Gene: MollyToe_49 Start: 38441, Stop: 37668, Start Num: 36
Candidate Starts for MollyToe_49:
(Start: 36 @38441 has 119 MA's), (Start: 49 @38417 has 41 MA's), (Start: 59 @38387 has 1 MA's), (88, 38279), (120, 38183), (142, 38102), (150, 38078), (153, 38069), (156, 38060), (207, 37955), (209, 37949), (211, 37943), (258, 37799), (263, 37787), (274, 37763), (302, 37676),

Gene: Moostard_37 Start: 33980, Stop: 33189, Start Num: 32
Candidate Starts for Moostard_37:
(Start: 8 @34070 has 1 MA's), (18, 34028), (Start: 32 @33980 has 54 MA's), (38, 33962), (57, 33926), (Start: 79 @33842 has 1 MA's), (82, 33830), (99, 33779), (102, 33770), (118, 33719), (121, 33713), (153, 33602), (205, 33488), (214, 33461), (229, 33404), (272, 33290), (290, 33236), (298, 33203),

Gene: Mosby_50 Start: 38895, Stop: 38122, Start Num: 36
Candidate Starts for Mosby_50:
(Start: 36 @38895 has 119 MA's), (Start: 49 @38871 has 41 MA's), (Start: 59 @38841 has 1 MA's), (88, 38733), (120, 38637), (142, 38556), (150, 38532), (153, 38523), (156, 38514), (207, 38409), (209, 38403), (211, 38397), (258, 38253), (263, 38241), (274, 38217), (302, 38130),

Gene: MsGreen_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for MsGreen_37:
(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: Mufasa_45 Start: 36153, Stop: 35305, Start Num: 42
Candidate Starts for Mufasa_45:
(Start: 42 @36153 has 8 MA's), (56, 36120), (98, 35970), (128, 35877), (137, 35838), (140, 35832), (144, 35817), (156, 35787), (160, 35772), (186, 35727), (293, 35442), (303, 35412),

Gene: Murica_56 Start: 40547, Stop: 39774, Start Num: 36
Candidate Starts for Murica_56:
(Start: 36 @40547 has 119 MA's), (Start: 49 @40523 has 41 MA's), (Start: 59 @40493 has 1 MA's), (88, 40385), (120, 40289), (142, 40208), (150, 40184), (153, 40175), (156, 40166), (207, 40061), (209, 40055), (211, 40049), (258, 39905), (263, 39893), (274, 39869), (302, 39782),

Gene: Murphy_56 Start: 39984, Stop: 39211, Start Num: 36
Candidate Starts for Murphy_56:
(Start: 36 @39984 has 119 MA's), (Start: 49 @39960 has 41 MA's), (Start: 59 @39930 has 1 MA's), (88, 39822), (120, 39726), (142, 39645), (150, 39621), (153, 39612), (156, 39603), (207, 39498), (209, 39492), (211, 39486), (258, 39342), (263, 39330), (274, 39306), (302, 39219),

Gene: Murucutumbu_43 Start: 35542, Stop: 34661, Start Num: 25
Candidate Starts for Murucutumbu_43:
(Start: 20 @35563 has 40 MA's), (Start: 25 @35542 has 2 MA's), (Start: 37 @35506 has 2 MA's), (Start: 43 @35500 has 25 MA's), (Start: 53 @35476 has 10 MA's), (Start: 60 @35455 has 6 MA's), (Start: 61 @35452 has 1 MA's), (68, 35431), (90, 35341), (94, 35332), (128, 35227), (129, 35224), (131, 35215), (135, 35197), (153, 35143), (176, 35083), (182, 35074), (208, 35017), (232, 34945), (254, 34879), (271, 34849), (279, 34831), (283, 34819), (307, 34729),

Gene: Mynx_43 Start: 34830, Stop: 33991, Start Num: 43
Candidate Starts for Mynx_43:
(Start: 21 @34884 has 9 MA's), (Start: 37 @34836 has 2 MA's), (Start: 43 @34830 has 25 MA's), (Start: 53 @34806 has 10 MA's), (68, 34761), (Start: 72 @34737 has 1 MA's), (90, 34671), (94, 34662), (128, 34557), (129, 34554), (131, 34545), (135, 34527), (150, 34482), (153, 34473), (159, 34455), (170, 34425), (176, 34413), (182, 34404), (232, 34275), (248, 34224), (254, 34209), (269, 34182), (279, 34161), (283, 34149),

Gene: Myrale_54 Start: 40238, Stop: 39465, Start Num: 36
Candidate Starts for Myrale_54:
(Start: 36 @40238 has 119 MA's), (Start: 49 @40214 has 41 MA's), (Start: 59 @40184 has 1 MA's), (88, 40076), (120, 39980), (142, 39899), (150, 39875), (153, 39866), (156, 39857), (207, 39752), (209, 39746), (211, 39740), (258, 39596), (274, 39560), (302, 39473),

Gene: Nala_55 Start: 40105, Stop: 39332, Start Num: 36
Candidate Starts for Nala_55:
(Start: 36 @40105 has 119 MA's), (Start: 49 @40081 has 41 MA's), (Start: 59 @40051 has 1 MA's), (88, 39943), (120, 39847), (142, 39766), (150, 39742), (153, 39733), (156, 39724), (207, 39619), (209, 39613), (211, 39607), (258, 39463), (263, 39451), (274, 39427), (302, 39340),

Gene: Nebkiss_67 Start: 43437, Stop: 42649, Start Num: 31
Candidate Starts for Nebkiss_67:
(Start: 31 @43437 has 2 MA's), (Start: 49 @43398 has 41 MA's), (88, 43260), (134, 43107), (142, 43083), (153, 43050), (172, 43008), (182, 42990), (198, 42966), (242, 42831), (249, 42810), (270, 42759), (291, 42699), (293, 42690),

Gene: Neighly_41 Start: 33757, Stop: 32870, Start Num: 27
Candidate Starts for Neighly_41:

(13, 33823), (Start: 27 @33757 has 2 MA's), (Start: 40 @33721 has 24 MA's), (Start: 59 @33676 has 1 MA's), (78, 33598), (95, 33550), (128, 33451), (131, 33439), (144, 33391), (156, 33361), (161, 33343), (177, 33307), (181, 33301), (188, 33274), (233, 33148), (237, 33133), (241, 33121), (256, 33079), (280, 33040), (293, 32992),

Gene: Nekros_91 Start: 57042, Stop: 56398, Start Num: 77
Candidate Starts for Nekros_91:
(Start: 62 @57105 has 33 MA's), (Start: 75 @57051 has 5 MA's), (Start: 77 @57042 has 1 MA's), (84, 57018), (110, 56946), (142, 56847), (146, 56835), (153, 56814), (202, 56724), (204, 56718), (229, 56637), (235, 56619), (248, 56580), (256, 56562), (257, 56559), (274, 56508), (279, 56496), (293, 56445),

Gene: NelitzaMV_51 Start: 39182, Stop: 38409, Start Num: 36
Candidate Starts for NelitzaMV_51:
(Start: 36 @39182 has 119 MA's), (Start: 49 @39158 has 41 MA's), (Start: 59 @39128 has 1 MA's), (88, 39020), (120, 38924), (142, 38843), (150, 38819), (153, 38810), (156, 38801), (207, 38696), (209, 38690), (211, 38684), (258, 38540), (263, 38528), (274, 38504), (302, 38417),

Gene: Nergal_39 Start: 33105, Stop: 32251, Start Num: 50
Candidate Starts for Nergal_39:
(23, 33171), (26, 33165), (Start: 50 @33105 has 27 MA's), (Start: 71 @33030 has 1 MA's), (88, 32970), (103, 32925), (105, 32913), (147, 32781), (150, 32772), (152, 32766), (153, 32763), (159, 32745), (163, 32733), (189, 32682), (199, 32664), (205, 32649), (215, 32619), (227, 32577), (246, 32523), (268, 32478), (293, 32406), (309, 32343),

Gene: Netyap_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Netyap_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Nibb_44 Start: 34807, Stop: 34040, Start Num: 50
Candidate Starts for Nibb_44:
(Start: 50 @34807 has 27 MA's), (Start: 62 @34780 has 33 MA's), (67, 34768), (Start: 71 @34744 has 1 MA's), (78, 34714), (113, 34615), (114, 34606), (124, 34579), (150, 34489), (152, 34483), (153, 34480), (157, 34468), (169, 34435), (198, 34384), (228, 34294), (234, 34279), (246, 34243), (271, 34195), (274, 34189), (282, 34168), (293, 34126), (305, 34084), (314, 34051),

Gene: Nibley_84 Start: 53530, Stop: 52823, Start Num: 62
Candidate Starts for Nibley_84:
(Start: 62 @53530 has 33 MA's), (Start: 75 @53476 has 5 MA's), (Start: 77 @53467 has 1 MA's), (142, 53272), (146, 53260), (148, 53254), (150, 53248), (153, 53239), (171, 53197), (204, 53143), (229, 53062), (235, 53044), (248, 53005), (254, 52993), (256, 52987), (257, 52984), (270, 52942), (278, 52924), (293, 52870),

Gene: Nicholas_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for Nicholas_37:
(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: Nicholasp3_39 Start: 33740, Stop: 32961, Start Num: 32
Candidate Starts for Nicholasp3_39:

(Start: 32 @33740 has 54 MA's), (55, 33683), (74, 33611), (94, 33545), (115, 33473), (118, 33467), (131, 33425), (223, 33185), (257, 33092), (260, 33086), (277, 33047),

Gene: NihilNomen_97 Start: 59187, Stop: 58480, Start Num: 62
Candidate Starts for NihilNomen_97:
(Start: 62 @59187 has 33 MA's), (Start: 75 @59133 has 5 MA's), (Start: 77 @59124 has 1 MA's), (110, 59028), (142, 58929), (146, 58917), (153, 58896), (202, 58806), (204, 58800), (229, 58719), (235, 58701), (248, 58662), (256, 58644), (257, 58641), (274, 58590), (279, 58578), (293, 58527),

Gene: Nikao_40 Start: 36713, Stop: 35793, Start Num: 34
Candidate Starts for Nikao_40:
(Start: 34 @36713 has 2 MA's), (Start: 46 @36695 has 15 MA's), (Start: 62 @36647 has 33 MA's), (69, 36620), (73, 36602), (Start: 79 @36569 has 1 MA's), (84, 36551), (87, 36545), (90, 36533), (118, 36449), (123, 36434), (128, 36419), (138, 36377), (151, 36341), (157, 36323), (173, 36281), (186, 36263), (204, 36224), (214, 36194), (226, 36155), (238, 36116), (243, 36101), (267, 36047), (276, 36029), (283, 36011), (293, 35972), (311, 35906), (332, 35816),

Gene: Niklas_44 Start: 35225, Stop: 34236, Start Num: 46
Candidate Starts for Niklas_44:
(Start: 46 @35225 has 15 MA's), (56, 35195), (Start: 62 @35177 has 33 MA's), (66, 35165), (Start: 71 @35138 has 1 MA's), (73, 35132), (74, 35120), (84, 35081), (87, 35075), (99, 35039), (114, 34988), (118, 34979), (123, 34964), (128, 34949), (138, 34907), (144, 34889), (156, 34856), (214, 34709), (219, 34694), (239, 34628), (245, 34610), (293, 34490), (323, 34355), (328, 34319),

Gene: Nimrod_57 Start: 40805, Stop: 40032, Start Num: 36
Candidate Starts for Nimrod_57:
(Start: 36 @40805 has 119 MA's), (Start: 49 @40781 has 41 MA's), (Start: 59 @40751 has 1 MA's), (88, 40643), (120, 40547), (142, 40466), (150, 40442), (153, 40433), (156, 40424), (207, 40319), (209, 40313), (211, 40307), (258, 40163), (263, 40151), (274, 40127), (302, 40040),

Gene: NoSleep_56 Start: 39744, Stop: 38971, Start Num: 36
Candidate Starts for NoSleep_56:
(Start: 36 @39744 has 119 MA's), (Start: 49 @39720 has 41 MA's), (Start: 59 @39690 has 1 MA's), (88, 39582), (120, 39486), (142, 39405), (150, 39381), (153, 39372), (156, 39363), (207, 39258), (209, 39252), (211, 39246), (258, 39102), (263, 39090), (274, 39066), (302, 38979),

Gene: Nolwazi_48 Start: 35585, Stop: 34767, Start Num: 49
Candidate Starts for Nolwazi_48:
(Start: 49 @35585 has 41 MA's), (Start: 50 @35582 has 27 MA's), (55, 35567), (Start: 72 @35504 has 1 MA's), (Start: 79 @35474 has 1 MA's), (85, 35453), (99, 35417), (110, 35381), (124, 35339), (128, 35327), (129, 35324), (138, 35285), (153, 35240), (158, 35225), (176, 35189), (182, 35180), (221, 35087), (238, 35033), (246, 35009), (248, 35003), (255, 34985), (282, 34919), (288, 34898),

Gene: NonchalantPear_54 Start: 39588, Stop: 38815, Start Num: 36
Candidate Starts for NonchalantPear_54:
(Start: 36 @39588 has 119 MA's), (Start: 49 @39564 has 41 MA's), (Start: 59 @39534 has 1 MA's), (88, 39426), (120, 39330), (142, 39249), (150, 39225), (153, 39216), (156, 39207), (207, 39102), (209, 39096), (211, 39090), (258, 38946), (263, 38934), (274, 38910), (302, 38823),

Gene: November_42 Start: 35191, Stop: 34367, Start Num: 50
Candidate Starts for November_42:
(Start: 50 @35191 has 27 MA's), (55, 35179), (89, 35062), (103, 35023), (142, 34891), (150, 34867), (153, 34858), (157, 34846), (159, 34840), (163, 34828), (192, 34771), (206, 34741), (219, 34702),

(246, 34621), (249, 34612), (270, 34576), (289, 34522), (293, 34504), (311, 34438), (319, 34402), (324, 34378),

Gene: Nutello_37 Start: 34082, Stop: 33180, Start Num: 46
Candidate Starts for Nutello_37:
(Start: 34 @34100 has 2 MA's), (Start: 46 @34082 has 15 MA's), (Start: 62 @34034 has 33 MA's), (69, 34007), (73, 33989), (Start: 79 @33956 has 1 MA's), (84, 33938), (87, 33932), (90, 33920), (118, 33836), (123, 33821), (128, 33806), (138, 33764), (151, 33728), (157, 33710), (173, 33668), (186, 33650), (204, 33611), (226, 33542), (238, 33503), (243, 33488), (267, 33434), (276, 33416), (283, 33398), (293, 33359), (311, 33293), (332, 33203),

Gene: Odette_95 Start: 58230, Stop: 57523, Start Num: 62
Candidate Starts for Odette_95:
(Start: 62 @58230 has 33 MA's), (Start: 75 @58176 has 5 MA's), (Start: 77 @58167 has 1 MA's), (84, 58143), (110, 58071), (142, 57972), (146, 57960), (153, 57939), (202, 57849), (204, 57843), (229, 57762), (235, 57744), (248, 57705), (256, 57687), (257, 57684), (274, 57633), (279, 57621), (293, 57570),

Gene: OhShagHennessy_36 Start: 32347, Stop: 31565, Start Num: 33
Candidate Starts for OhShagHennessy_36:
(Start: 33 @32347 has 25 MA's), (38, 32329), (123, 32062), (131, 32035), (132, 32032), (140, 32002), (142, 31990), (149, 31969), (213, 31828), (224, 31792), (254, 31702), (277, 31648),

Gene: OkiRoe_40 Start: 33795, Stop: 32953, Start Num: 40
Candidate Starts for OkiRoe_40:
(Start: 40 @33795 has 24 MA's), (Start: 59 @33753 has 1 MA's), (118, 33558), (128, 33528), (147, 33459), (149, 33453), (156, 33438), (179, 33384), (206, 33312), (237, 33213), (246, 33186), (249, 33177), (252, 33168), (271, 33141), (274, 33135), (280, 33120), (289, 33090), (293, 33072), (301, 33051),

Gene: Omega_99 Start: 58940, Stop: 58233, Start Num: 62
Candidate Starts for Omega_99:
(Start: 62 @58940 has 33 MA's), (Start: 75 @58886 has 5 MA's), (Start: 77 @58877 has 1 MA's), (110, 58781), (142, 58682), (146, 58670), (148, 58664), (150, 58658), (153, 58649), (171, 58607), (203, 58556), (204, 58553), (229, 58472), (235, 58454), (248, 58415), (254, 58403), (256, 58397), (257, 58394), (270, 58352), (274, 58343), (279, 58331), (293, 58280),

Gene: OmniCritical_45 Start: 35490, Stop: 34672, Start Num: 49
Candidate Starts for OmniCritical_45:
(Start: 49 @35490 has 41 MA's), (Start: 50 @35487 has 27 MA's), (55, 35472), (Start: 72 @35409 has 1 MA's), (Start: 79 @35379 has 1 MA's), (85, 35358), (99, 35322), (110, 35286), (124, 35244), (128, 35232), (129, 35229), (138, 35190), (153, 35145), (158, 35130), (176, 35094), (182, 35085), (221, 34992), (238, 34938), (246, 34914), (248, 34908), (255, 34890), (282, 34824), (288, 34803),

Gene: Omnicron_43 Start: 33409, Stop: 32570, Start Num: 40
Candidate Starts for Omnicron_43:
(Start: 40 @33409 has 24 MA's), (Start: 59 @33367 has 1 MA's), (80, 33283), (84, 33268), (93, 33247), (95, 33241), (128, 33142), (131, 33130), (143, 33085), (144, 33082), (156, 33052), (185, 32974), (237, 32827), (252, 32782), (271, 32755), (293, 32686),

Gene: Optimus_89 Start: 57722, Stop: 57015, Start Num: 62
Candidate Starts for Optimus_89:

(Start: 62 @57722 has 33 MA's), (Start: 75 @57668 has 5 MA's), (Start: 77 @57659 has 1 MA's), (110, 57563), (142, 57464), (146, 57452), (153, 57431), (202, 57341), (204, 57335), (229, 57254), (235, 57236), (248, 57197), (256, 57179), (257, 57176), (274, 57125), (279, 57113), (293, 57062),

Gene: OrionPax_53 Start: 39189, Stop: 38416, Start Num: 36
Candidate Starts for OrionPax_53:
(Start: 36 @39189 has 119 MA's), (Start: 49 @39165 has 41 MA's), (Start: 59 @39135 has 1 MA's), (88, 39027), (120, 38931), (142, 38850), (150, 38826), (153, 38817), (156, 38808), (207, 38703), (209, 38697), (211, 38691), (258, 38547), (263, 38535), (274, 38511), (302, 38424),

Gene: Oscar_46 Start: 35554, Stop: 34787, Start Num: 50
Candidate Starts for Oscar_46:
(Start: 50 @35554 has 27 MA's), (Start: 71 @35491 has 1 MA's), (84, 35440), (121, 35335), (124, 35326), (142, 35260), (150, 35236), (153, 35227), (169, 35182), (219, 35071), (234, 35023), (239, 35008), (274, 34933), (284, 34906), (293, 34870),

Gene: OverPar_38 Start: 33770, Stop: 32991, Start Num: 32
Candidate Starts for OverPar_38:
(Start: 32 @33770 has 54 MA's), (55, 33713), (74, 33641), (94, 33575), (98, 33560), (115, 33503), (118, 33497), (131, 33455), (223, 33215), (257, 33122), (260, 33116), (277, 33077),

Gene: PYPDinur_36 Start: 32488, Stop: 31700, Start Num: 32
Candidate Starts for PYPDinur_36:
(Start: 32 @32488 has 54 MA's), (55, 32431), (58, 32422), (Start: 71 @32371 has 1 MA's), (81, 32332), (86, 32314), (112, 32236), (115, 32221), (118, 32215), (131, 32173), (154, 32092), (174, 32050), (186, 32032), (218, 31948), (224, 31927), (254, 31837), (272, 31795), (277, 31783),

Gene: PaddyBaddy_54 Start: 39196, Stop: 38423, Start Num: 36
Candidate Starts for PaddyBaddy_54:
(Start: 36 @39196 has 119 MA's), (Start: 49 @39172 has 41 MA's), (Start: 59 @39142 has 1 MA's), (88, 39034), (120, 38938), (142, 38857), (150, 38833), (153, 38824), (156, 38815), (207, 38710), (209, 38704), (211, 38698), (258, 38554), (263, 38542), (274, 38518), (302, 38431),

Gene: Padfoot_42 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for Padfoot_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Padpat_43 Start: 34565, Stop: 33663, Start Num: 20
Candidate Starts for Padpat_43:
(Start: 20 @34565 has 40 MA's), (Start: 37 @34508 has 2 MA's), (Start: 43 @34502 has 25 MA's), (Start: 53 @34478 has 10 MA's), (Start: 60 @34457 has 6 MA's), (68, 34433), (90, 34343), (94, 34334), (128, 34229), (129, 34226), (131, 34217), (135, 34199), (137, 34193), (153, 34145), (159, 34127), (170, 34097), (176, 34085), (182, 34076), (208, 34019), (213, 34004), (232, 33947), (248, 33896), (254, 33881), (269, 33854), (279, 33833), (283, 33821),

Gene: Palpatine_57 Start: 40553, Stop: 39804, Start Num: 49
Candidate Starts for Palpatine_57:
(Start: 36 @40577 has 119 MA's), (Start: 49 @40553 has 41 MA's), (Start: 59 @40523 has 1 MA's), (88, 40415), (120, 40319), (142, 40238), (150, 40214), (153, 40205), (156, 40196), (207, 40091), (209,

40085), (211, 40079), (258, 39935), (263, 39923), (274, 39899), (302, 39812),

Gene: Paola_40 Start: 33793, Stop: 32951, Start Num: 40
Candidate Starts for Paola_40:
(Start: 40 @33793 has 24 MA's), (Start: 59 @33751 has 1 MA's), (118, 33556), (128, 33526), (147, 33457), (149, 33451), (156, 33436), (161, 33418), (179, 33382), (206, 33310), (237, 33211), (246, 33184), (249, 33175), (252, 33166), (271, 33139), (274, 33133), (280, 33118), (289, 33088), (293, 33070), (301, 33049),

Gene: Paperbeatsrock_53 Start: 40112, Stop: 39339, Start Num: 36
Candidate Starts for Paperbeatsrock_53:
(Start: 36 @40112 has 119 MA's), (Start: 49 @40088 has 41 MA's), (Start: 59 @40058 has 1 MA's), (88, 39950), (120, 39854), (142, 39773), (150, 39749), (153, 39740), (156, 39731), (207, 39626), (209, 39620), (211, 39614), (258, 39470), (263, 39458), (274, 39434), (302, 39347),

Gene: Pat3_52 Start: 38288, Stop: 37569, Start Num: 59
Candidate Starts for Pat3_52:
(Start: 36 @38342 has 119 MA's), (Start: 49 @38318 has 41 MA's), (Start: 59 @38288 has 1 MA's), (88, 38180), (120, 38084), (142, 38003), (150, 37979), (153, 37970), (156, 37961), (207, 37856), (209, 37850), (211, 37844), (258, 37700), (263, 37688), (274, 37664), (302, 37577),

Gene: Patt_43 Start: 34705, Stop: 33914, Start Num: 49
Candidate Starts for Patt_43:
(Start: 49 @34705 has 41 MA's), (58, 34678), (68, 34648), (69, 34639), (100, 34534), (110, 34501), (122, 34465), (124, 34459), (128, 34447), (129, 34444), (131, 34435), (138, 34405), (153, 34360), (158, 34345), (212, 34237), (221, 34207), (228, 34180), (248, 34123), (286, 34027), (293, 33997),

Gene: Peanam_44 Start: 35181, Stop: 34210, Start Num: 46
Candidate Starts for Peanam_44:
(Start: 46 @35181 has 15 MA's), (56, 35151), (Start: 62 @35133 has 33 MA's), (66, 35121), (Start: 71 @35094 has 1 MA's), (73, 35088), (74, 35076), (84, 35037), (87, 35031), (99, 34995), (114, 34944), (118, 34935), (123, 34920), (128, 34905), (138, 34863), (144, 34845), (147, 34836), (156, 34812), (214, 34680), (219, 34665), (239, 34599), (245, 34581), (293, 34461), (323, 34326),

Gene: Peel_42 Start: 34691, Stop: 33789, Start Num: 20
Candidate Starts for Peel_42:
(Start: 20 @34691 has 40 MA's), (Start: 25 @34670 has 2 MA's), (Start: 37 @34634 has 2 MA's), (Start: 43 @34628 has 25 MA's), (Start: 53 @34604 has 10 MA's), (Start: 60 @34583 has 6 MA's), (68, 34559), (90, 34469), (94, 34460), (128, 34355), (129, 34352), (131, 34343), (135, 34325), (137, 34319), (153, 34271), (159, 34253), (170, 34223), (176, 34211), (182, 34202), (213, 34130), (232, 34073), (248, 34022), (254, 34007), (269, 33980), (279, 33959), (283, 33947),

Gene: Petra64142_59 Start: 41017, Stop: 40268, Start Num: 49
Candidate Starts for Petra64142_59:
(Start: 36 @41041 has 119 MA's), (Start: 49 @41017 has 41 MA's), (Start: 59 @40987 has 1 MA's), (88, 40879), (120, 40783), (142, 40702), (150, 40678), (153, 40669), (156, 40660), (207, 40555), (209, 40549), (211, 40543), (258, 40399), (263, 40387), (274, 40363), (302, 40276),

Gene: Phaja_52 Start: 39938, Stop: 39165, Start Num: 36
Candidate Starts for Phaja_52:
(Start: 36 @39938 has 119 MA's), (Start: 49 @39914 has 41 MA's), (Start: 59 @39884 has 1 MA's), (88, 39776), (120, 39680), (142, 39599), (150, 39575), (153, 39566), (156, 39557), (207, 39452), (209, 39446), (211, 39440), (258, 39296), (263, 39284), (274, 39260), (302, 39173),

Gene: Pharb_42 Start: 33912, Stop: 33067, Start Num: 50
Candidate Starts for Pharb_42:
(3, 34131), (16, 34008), (Start: 33 @33948 has 25 MA's), (Start: 36 @33939 has 119 MA's), (Start: 47 @33918 has 1 MA's), (Start: 50 @33912 has 27 MA's), (87, 33786), (121, 33687), (124, 33678), (142, 33612), (153, 33579), (157, 33567), (159, 33561), (178, 33519), (199, 33477), (205, 33462), (219, 33420), (228, 33393), (233, 33384), (251, 33327), (252, 33324), (273, 33291), (293, 33225), (319, 33117),

Gene: Pharsalus_52 Start: 39912, Stop: 39139, Start Num: 36
Candidate Starts for Pharsalus_52:
(Start: 36 @39912 has 119 MA's), (Start: 49 @39888 has 41 MA's), (Start: 59 @39858 has 1 MA's), (88, 39750), (120, 39654), (142, 39573), (150, 39549), (153, 39540), (156, 39531), (207, 39426), (209, 39420), (211, 39414), (258, 39270), (263, 39258), (274, 39234), (302, 39147),

Gene: PhatBacter_57 Start: 40591, Stop: 39818, Start Num: 36
Candidate Starts for PhatBacter_57:
(Start: 36 @40591 has 119 MA's), (Start: 49 @40567 has 41 MA's), (Start: 59 @40537 has 1 MA's), (88, 40429), (120, 40333), (142, 40252), (150, 40228), (153, 40219), (156, 40210), (207, 40105), (209, 40099), (211, 40093), (258, 39949), (263, 39937), (274, 39913), (302, 39826),

Gene: Phaux_56 Start: 40589, Stop: 39816, Start Num: 36
Candidate Starts for Phaux_56:
(Start: 36 @40589 has 119 MA's), (Start: 49 @40565 has 41 MA's), (Start: 59 @40535 has 1 MA's), (88, 40427), (120, 40331), (142, 40250), (150, 40226), (153, 40217), (156, 40208), (207, 40103), (209, 40097), (211, 40091), (258, 39947), (263, 39935), (274, 39911), (302, 39824),

Gene: PhelpsODU_44 Start: 34427, Stop: 33552, Start Num: 50
Candidate Starts for PhelpsODU_44:
(Start: 50 @34427 has 27 MA's), (118, 34211), (142, 34127), (150, 34103), (153, 34094), (157, 34082), (163, 34064), (205, 33971), (211, 33953), (215, 33941), (219, 33929), (233, 33890), (246, 33848), (249, 33839),

Gene: Phoebus_97 Start: 60370, Stop: 59663, Start Num: 62
Candidate Starts for Phoebus_97:
(Start: 62 @60370 has 33 MA's), (Start: 75 @60316 has 5 MA's), (Start: 77 @60307 has 1 MA's), (84, 60283), (110, 60211), (142, 60112), (146, 60100), (153, 60079), (202, 59989), (204, 59983), (229, 59902), (235, 59884), (248, 59845), (256, 59827), (257, 59824), (274, 59773), (279, 59761), (293, 59710),

Gene: Phrank_45 Start: 34384, Stop: 33518, Start Num: 50
Candidate Starts for Phrank_45:
(Start: 50 @34384 has 27 MA's), (Start: 72 @34312 has 1 MA's), (118, 34168), (129, 34135), (142, 34084), (150, 34060), (153, 34051), (157, 34039), (163, 34021), (205, 33934), (211, 33916), (215, 33904), (219, 33892), (233, 33853), (246, 33811), (259, 33778), (289, 33712), (319, 33586),

Gene: Phrappuccino_39 Start: 21883, Stop: 22644, Start Num: 49
Candidate Starts for Phrappuccino_39:
(17, 21793), (39, 21868), (Start: 49 @21883 has 41 MA's), (Start: 62 @21922 has 33 MA's), (66, 21934), (74, 21973), (76, 21985), (78, 21991), (83, 22012), (86, 22018), (91, 22033), (115, 22108), (125, 22135), (128, 22144), (130, 22150), (148, 22216), (149, 22219), (153, 22231), (178, 22285), (187, 22297), (190, 22303), (197, 22312), (204, 22330), (216, 22366), (217, 22369), (228, 22408), (235, 22429), (236, 22432), (254, 22480), (282, 22543), (285, 22552), (286, 22555), (294, 22594),

(304, 22630),

Gene: Phrux_52 Start: 39182, Stop: 38409, Start Num: 36
Candidate Starts for Phrux_52:
(Start: 36 @39182 has 119 MA's), (Start: 49 @39158 has 41 MA's), (Start: 59 @39128 has 1 MA's), (88, 39020), (120, 38924), (142, 38843), (150, 38819), (153, 38810), (156, 38801), (207, 38696), (209, 38690), (211, 38684), (258, 38540), (263, 38528), (274, 38504), (302, 38417),

Gene: Piatt_42 Start: 34778, Stop: 33984, Start Num: 60
Candidate Starts for Piatt_42:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Pisa1_42 Start: 35864, Stop: 34959, Start Num: 20
Candidate Starts for Pisa1_42:
(Start: 20 @35864 has 40 MA's), (Start: 37 @35804 has 2 MA's), (Start: 43 @35798 has 25 MA's), (58, 35759), (Start: 61 @35750 has 1 MA's), (64, 35741), (68, 35729), (Start: 72 @35705 has 1 MA's), (78, 35678), (94, 35630), (128, 35525), (135, 35495), (137, 35489), (143, 35471), (170, 35393), (176, 35381), (182, 35372), (210, 35309), (213, 35300), (232, 35243), (238, 35222), (248, 35192), (254, 35177), (279, 35129), (283, 35117),

Gene: Pixie_44 Start: 34706, Stop: 33786, Start Num: 33
Candidate Starts for Pixie_44:
(Start: 33 @34706 has 25 MA's), (Start: 47 @34676 has 1 MA's), (Start: 50 @34670 has 27 MA's), (Start: 71 @34601 has 1 MA's), (78, 34571), (142, 34361), (150, 34337), (153, 34328), (157, 34316), (159, 34310), (178, 34262), (215, 34175), (219, 34163), (251, 34064), (293, 33959), (300, 33941),

Gene: Pokerus_41 Start: 34547, Stop: 33708, Start Num: 43
Candidate Starts for Pokerus_41:
(Start: 21 @34601 has 9 MA's), (Start: 37 @34553 has 2 MA's), (Start: 43 @34547 has 25 MA's), (Start: 53 @34523 has 10 MA's), (68, 34478), (90, 34388), (94, 34379), (128, 34274), (129, 34271), (131, 34262), (135, 34244), (137, 34238), (153, 34190), (159, 34172), (170, 34142), (176, 34130), (182, 34121), (213, 34049), (232, 33992), (254, 33926), (269, 33899), (279, 33878), (283, 33866),

Gene: Policronamos_57 Start: 40589, Stop: 39816, Start Num: 36
Candidate Starts for Policronamos_57:
(Start: 36 @40589 has 119 MA's), (Start: 49 @40565 has 41 MA's), (Start: 59 @40535 has 1 MA's), (88, 40427), (120, 40331), (142, 40250), (150, 40226), (153, 40217), (156, 40208), (207, 40103), (209, 40097), (211, 40091), (258, 39947), (263, 39935), (274, 39911), (302, 39824),

Gene: Poochiewood_36 Start: 32357, Stop: 31593, Start Num: 38
Candidate Starts for Poochiewood_36:
(Start: 33 @32375 has 25 MA's), (38, 32357), (123, 32090), (131, 32063), (132, 32060), (140, 32030), (142, 32018), (149, 31997), (172, 31949), (213, 31856), (224, 31820), (254, 31730), (277, 31676),

Gene: Porcelain_89 Start: 54143, Stop: 53436, Start Num: 62
Candidate Starts for Porcelain_89:
(Start: 62 @54143 has 33 MA's), (Start: 75 @54089 has 5 MA's), (Start: 77 @54080 has 1 MA's), (110, 53984), (116, 53966), (142, 53885), (146, 53873), (148, 53867), (150, 53861), (153, 53852), (171, 53810), (203, 53759), (204, 53756), (229, 53675), (235, 53657), (248, 53618), (254, 53606), (256,

53600), (257, 53597), (270, 53555), (274, 53546), (278, 53537), (279, 53534), (293, 53483),

Gene: Porky_53 Start: 39308, Stop: 38535, Start Num: 36
Candidate Starts for Porky_53:
(Start: 36 @39308 has 119 MA's), (Start: 49 @39284 has 41 MA's), (Start: 59 @39254 has 1 MA's), (88, 39146), (120, 39050), (142, 38969), (150, 38945), (153, 38936), (156, 38927), (207, 38822), (209, 38816), (211, 38810), (258, 38666), (263, 38654), (274, 38630), (302, 38543),

Gene: Pound_87 Start: 58399, Stop: 57692, Start Num: 62
Candidate Starts for Pound_87:
(Start: 62 @58399 has 33 MA's), (Start: 75 @58345 has 5 MA's), (Start: 77 @58336 has 1 MA's), (84, 58312), (110, 58240), (142, 58141), (146, 58129), (153, 58108), (202, 58018), (204, 58012), (229, 57931), (235, 57913), (248, 57874), (256, 57856), (257, 57853), (274, 57802), (279, 57790), (293, 57739),

Gene: Prithvi_43 Start: 34696, Stop: 33857, Start Num: 43
Candidate Starts for Prithvi_43:
(Start: 21 @34750 has 9 MA's), (Start: 37 @34702 has 2 MA's), (Start: 43 @34696 has 25 MA's), (Start: 53 @34672 has 10 MA's), (Start: 60 @34651 has 6 MA's), (68, 34627), (90, 34537), (94, 34528), (128, 34423), (129, 34420), (131, 34411), (135, 34393), (150, 34348), (153, 34339), (159, 34321), (170, 34291), (176, 34279), (182, 34270), (213, 34198), (232, 34141), (254, 34075), (269, 34048), (279, 34027), (283, 34015),

Gene: Psycho_41 Start: 33888, Stop: 33001, Start Num: 27
Candidate Starts for Psycho_41:
(13, 33954), (Start: 27 @33888 has 2 MA's), (Start: 40 @33852 has 24 MA's), (Start: 59 @33807 has 1 MA's), (78, 33729), (95, 33681), (128, 33582), (131, 33570), (144, 33522), (156, 33492), (161, 33474), (177, 33438), (181, 33432), (188, 33405), (233, 33279), (237, 33264), (241, 33252), (256, 33210), (280, 33171), (293, 33123),

Gene: Ptowny_53 Start: 38750, Stop: 38001, Start Num: 49
Candidate Starts for Ptowny_53:
(Start: 36 @38774 has 119 MA's), (Start: 49 @38750 has 41 MA's), (Start: 59 @38720 has 1 MA's), (88, 38612), (120, 38516), (142, 38435), (150, 38411), (153, 38402), (156, 38393), (207, 38288), (209, 38282), (211, 38276), (258, 38132), (263, 38120), (274, 38096), (302, 38009),

Gene: Pumpkin_56 Start: 40239, Stop: 39466, Start Num: 36
Candidate Starts for Pumpkin_56:
(Start: 36 @40239 has 119 MA's), (Start: 49 @40215 has 41 MA's), (Start: 59 @40185 has 1 MA's), (88, 40077), (120, 39981), (142, 39900), (150, 39876), (153, 39867), (156, 39858), (207, 39753), (209, 39747), (211, 39741), (258, 39597), (263, 39585), (274, 39561), (302, 39474),

Gene: Qhanda_48 Start: 35604, Stop: 34786, Start Num: 49
Candidate Starts for Qhanda_48:
(Start: 49 @35604 has 41 MA's), (Start: 50 @35601 has 27 MA's), (55, 35586), (Start: 72 @35523 has 1 MA's), (Start: 79 @35493 has 1 MA's), (85, 35472), (99, 35436), (110, 35400), (124, 35358), (128, 35346), (129, 35343), (138, 35304), (153, 35259), (158, 35244), (176, 35208), (182, 35199), (221, 35106), (238, 35052), (246, 35028), (248, 35022), (255, 35004), (282, 34938), (288, 34917),

Gene: Quallification_55 Start: 40227, Stop: 39454, Start Num: 36
Candidate Starts for Quallification_55:
(Start: 36 @40227 has 119 MA's), (Start: 49 @40203 has 41 MA's), (Start: 59 @40173 has 1 MA's), (88, 40065), (120, 39969), (142, 39888), (150, 39864), (153, 39855), (156, 39846), (207, 39741), (209,

39735), (211, 39729), (258, 39585), (263, 39573), (274, 39549), (302, 39462),

Gene: Quby_36 Start: 32381, Stop: 31593, Start Num: 32
Candidate Starts for Quby_36:
(Start: 32 @32381 has 54 MA's), (55, 32324), (Start: 71 @32264 has 1 MA's), (81, 32225), (86, 32207), (112, 32129), (115, 32114), (118, 32108), (131, 32066), (150, 31997), (154, 31985), (174, 31943), (186, 31925), (218, 31841), (224, 31820), (254, 31730), (272, 31688), (277, 31676),

Gene: QuincyRose_41 Start: 35009, Stop: 34107, Start Num: 20
Candidate Starts for QuincyRose_41:
(Start: 20 @35009 has 40 MA's), (Start: 37 @34952 has 2 MA's), (Start: 43 @34946 has 25 MA's), (Start: 53 @34922 has 10 MA's), (Start: 60 @34901 has 6 MA's), (68, 34877), (90, 34787), (94, 34778), (128, 34673), (129, 34670), (131, 34661), (135, 34643), (137, 34637), (153, 34589), (159, 34571), (170, 34541), (176, 34529), (182, 34520), (208, 34463), (213, 34448), (232, 34391), (254, 34325), (269, 34298), (279, 34277), (283, 34265),

Gene: Rakim_56 Start: 39965, Stop: 39216, Start Num: 49
Candidate Starts for Rakim_56:
(Start: 36 @39989 has 119 MA's), (Start: 49 @39965 has 41 MA's), (Start: 59 @39935 has 1 MA's), (88, 39827), (120, 39731), (142, 39650), (150, 39626), (153, 39617), (156, 39608), (207, 39503), (209, 39497), (211, 39491), (258, 39347), (263, 39335), (274, 39311), (302, 39224),

Gene: Ramen_42 Start: 34576, Stop: 33674, Start Num: 20
Candidate Starts for Ramen_42:
(Start: 20 @34576 has 40 MA's), (Start: 37 @34519 has 2 MA's), (Start: 43 @34513 has 25 MA's), (Start: 53 @34489 has 10 MA's), (Start: 60 @34468 has 6 MA's), (68, 34444), (90, 34354), (94, 34345), (128, 34240), (129, 34237), (131, 34228), (135, 34210), (137, 34204), (153, 34156), (159, 34138), (170, 34108), (176, 34096), (182, 34087), (208, 34030), (213, 34015), (232, 33958), (248, 33907), (254, 33892), (269, 33865), (279, 33844), (283, 33832),

Gene: Rando14_42 Start: 32984, Stop: 32142, Start Num: 40
Candidate Starts for Rando14_42:
(Start: 40 @32984 has 24 MA's), (Start: 59 @32942 has 1 MA's), (70, 32900), (84, 32843), (93, 32822), (95, 32816), (128, 32717), (131, 32705), (144, 32657), (156, 32627), (237, 32402), (245, 32378), (252, 32357), (255, 32351), (271, 32330), (274, 32324),

Gene: Rapunzel97_42 Start: 34572, Stop: 33670, Start Num: 20
Candidate Starts for Rapunzel97_42:
(Start: 20 @34572 has 40 MA's), (Start: 37 @34515 has 2 MA's), (Start: 43 @34509 has 25 MA's), (Start: 53 @34485 has 10 MA's), (Start: 60 @34464 has 6 MA's), (68, 34440), (90, 34350), (94, 34341), (128, 34236), (129, 34233), (131, 34224), (135, 34206), (137, 34200), (153, 34152), (159, 34134), (170, 34104), (176, 34092), (182, 34083), (208, 34026), (213, 34011), (232, 33954), (248, 33903), (254, 33888), (269, 33861), (283, 33828),

Gene: Rearden_85 Start: 54332, Stop: 53625, Start Num: 62
Candidate Starts for Rearden_85:
(Start: 62 @54332 has 33 MA's), (Start: 75 @54278 has 5 MA's), (Start: 77 @54269 has 1 MA's), (110, 54173), (142, 54074), (146, 54062), (153, 54041), (171, 53999), (203, 53948), (204, 53945), (229, 53864), (235, 53846), (248, 53807), (256, 53789), (257, 53786), (270, 53744), (274, 53735), (279, 53723), (293, 53672),

Gene: Red305_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for Red305_37:

(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: Redno2_87 Start: 54921, Stop: 54214, Start Num: 62
Candidate Starts for Redno2_87:
(Start: 62 @54921 has 33 MA's), (Start: 75 @54867 has 5 MA's), (Start: 77 @54858 has 1 MA's), (84, 54834), (110, 54762), (142, 54663), (146, 54651), (153, 54630), (202, 54540), (204, 54534), (225, 54468), (229, 54453), (235, 54435), (248, 54396), (256, 54378), (274, 54324), (279, 54312), (281, 54306), (282, 54303), (293, 54261),

Gene: Reptar3000_44 Start: 34696, Stop: 33905, Start Num: 49
Candidate Starts for Reptar3000_44:
(Start: 49 @34696 has 41 MA's), (58, 34669), (68, 34639), (69, 34630), (100, 34525), (110, 34492), (122, 34456), (124, 34450), (128, 34438), (129, 34435), (131, 34426), (138, 34396), (153, 34351), (158, 34336), (212, 34228), (221, 34198), (228, 34171), (238, 34144), (248, 34114), (286, 34018), (293, 33988),

Gene: Richo_44 Start: 35155, Stop: 34205, Start Num: 46
Candidate Starts for Richo_44:
(9, 35275), (10, 35272), (Start: 46 @35155 has 15 MA's), (Start: 62 @35107 has 33 MA's), (66, 35095), (Start: 71 @35068 has 1 MA's), (73, 35062), (74, 35050), (104, 34948), (118, 34909), (123, 34894), (128, 34879), (153, 34795), (156, 34786), (175, 34750), (214, 34669), (239, 34588), (245, 34570), (282, 34492), (283, 34489), (293, 34450), (318, 34360), (331, 34252),

Gene: Rimmer_55 Start: 39931, Stop: 39158, Start Num: 36
Candidate Starts for Rimmer_55:
(Start: 36 @39931 has 119 MA's), (Start: 49 @39907 has 41 MA's), (Start: 59 @39877 has 1 MA's), (88, 39769), (120, 39673), (142, 39592), (150, 39568), (153, 39559), (156, 39550), (207, 39445), (209, 39439), (211, 39433), (258, 39289), (263, 39277), (274, 39253), (302, 39166),

Gene: RiverMonster_55 Start: 39760, Stop: 38987, Start Num: 36
Candidate Starts for RiverMonster_55:
(Start: 36 @39760 has 119 MA's), (Start: 49 @39736 has 41 MA's), (Start: 59 @39706 has 1 MA's), (88, 39598), (120, 39502), (142, 39421), (150, 39397), (153, 39388), (156, 39379), (207, 39274), (209, 39268), (211, 39262), (258, 39118), (263, 39106), (274, 39082), (302, 38995),

Gene: Rose5_36 Start: 32374, Stop: 31592, Start Num: 33
Candidate Starts for Rose5_36:
(Start: 33 @32374 has 25 MA's), (38, 32356), (123, 32089), (131, 32062), (132, 32059), (140, 32029), (142, 32017), (149, 31996), (172, 31948), (213, 31855), (224, 31819), (254, 31729), (277, 31675),

Gene: Rosmarinus_42 Start: 34569, Stop: 33775, Start Num: 60
Candidate Starts for Rosmarinus_42:
(Start: 20 @34677 has 40 MA's), (Start: 25 @34656 has 2 MA's), (Start: 37 @34620 has 2 MA's), (Start: 43 @34614 has 25 MA's), (Start: 53 @34590 has 10 MA's), (Start: 60 @34569 has 6 MA's), (68, 34545), (90, 34455), (94, 34446), (128, 34341), (129, 34338), (131, 34329), (135, 34311), (137, 34305), (153, 34257), (159, 34239), (170, 34209), (176, 34197), (182, 34188), (213, 34116), (232, 34059), (248, 34008), (254, 33993), (269, 33966), (279, 33945), (283, 33933),

Gene: Rossetti_39 Start: 33812, Stop: 33228, Start Num: 94
Candidate Starts for Rossetti_39:

(Start: 32 @34007 has 54 MA's), (55, 33950), (94, 33812), (115, 33740), (118, 33734), (131, 33692), (137, 33665), (159, 33599), (198, 33524), (231, 33428), (247, 33386), (254, 33368), (257, 33359), (277, 33314),

Gene: Rumpelstiltskin_39 Start: 34006, Stop: 33227, Start Num: 32
Candidate Starts for Rumpelstiltskin_39:
(Start: 32 @34006 has 54 MA's), (55, 33949), (74, 33877), (94, 33811), (115, 33739), (118, 33733), (131, 33691), (223, 33451), (257, 33358), (260, 33352), (277, 33313),

Gene: Ruthiejr_47 Start: 35557, Stop: 34739, Start Num: 49
Candidate Starts for Ruthiejr_47:
(Start: 49 @35557 has 41 MA's), (Start: 50 @35554 has 27 MA's), (55, 35539), (Start: 72 @35476 has 1 MA's), (Start: 79 @35446 has 1 MA's), (85, 35425), (99, 35389), (110, 35353), (124, 35311), (128, 35299), (129, 35296), (138, 35257), (153, 35212), (158, 35197), (176, 35161), (182, 35152), (221, 35059), (238, 35005), (246, 34981), (248, 34975), (255, 34957), (282, 34891), (288, 34870),

Gene: Saints25_55 Start: 39472, Stop: 38699, Start Num: 36
Candidate Starts for Saints25_55:
(Start: 36 @39472 has 119 MA's), (Start: 49 @39448 has 41 MA's), (Start: 59 @39418 has 1 MA's), (88, 39310), (120, 39214), (142, 39133), (150, 39109), (153, 39100), (156, 39091), (207, 38986), (209, 38980), (211, 38974), (258, 38830), (263, 38818), (274, 38794), (302, 38707),

Gene: SamScheppers_45 Start: 35986, Stop: 35168, Start Num: 49
Candidate Starts for SamScheppers_45:
(Start: 49 @35986 has 41 MA's), (Start: 50 @35983 has 27 MA's), (55, 35968), (Start: 72 @35905 has 1 MA's), (Start: 79 @35875 has 1 MA's), (85, 35854), (99, 35818), (110, 35782), (124, 35740), (128, 35728), (129, 35725), (138, 35686), (153, 35641), (158, 35626), (176, 35590), (182, 35581), (221, 35488), (238, 35434), (246, 35410), (248, 35404), (255, 35386), (282, 35320), (288, 35299),

Gene: Samty_37 Start: 33979, Stop: 33188, Start Num: 32
Candidate Starts for Samty_37:
(Start: 8 @34069 has 1 MA's), (18, 34027), (Start: 32 @33979 has 54 MA's), (38, 33961), (57, 33925), (Start: 79 @33841 has 1 MA's), (82, 33829), (99, 33778), (102, 33769), (118, 33718), (121, 33712), (153, 33601), (205, 33487), (214, 33460), (229, 33403), (272, 33289), (290, 33235), (298, 33202),

Gene: SamuelLPlaqson_43 Start: 35473, Stop: 34568, Start Num: 20
Candidate Starts for SamuelLPlaqson_43:
(Start: 20 @35473 has 40 MA's), (Start: 37 @35413 has 2 MA's), (Start: 43 @35407 has 25 MA's), (Start: 53 @35383 has 10 MA's), (58, 35368), (Start: 61 @35359 has 1 MA's), (68, 35338), (Start: 72 @35314 has 1 MA's), (78, 35287), (90, 35248), (94, 35239), (128, 35134), (129, 35131), (135, 35104), (143, 35080), (150, 35059), (153, 35050), (159, 35032), (176, 34990), (182, 34981), (200, 34945), (213, 34909), (232, 34852), (254, 34786), (283, 34726), (307, 34636),

Gene: Sarshaun_39 Start: 33772, Stop: 32993, Start Num: 32
Candidate Starts for Sarshaun_39:
(Start: 32 @33772 has 54 MA's), (55, 33715), (74, 33643), (94, 33577), (98, 33562), (115, 33505), (118, 33499), (131, 33457), (223, 33217), (257, 33124), (260, 33118), (277, 33079),

Gene: Sassay_48 Start: 37859, Stop: 37086, Start Num: 36
Candidate Starts for Sassay_48:
(Start: 36 @37859 has 119 MA's), (Start: 49 @37835 has 41 MA's), (Start: 59 @37805 has 1 MA's), (88, 37697), (120, 37601), (142, 37520), (150, 37496), (153, 37487), (156, 37478), (207, 37373), (209, 37367), (211, 37361), (258, 37217), (263, 37205), (274, 37181), (302, 37094),

Gene: Scarlett_46 Start: 35546, Stop: 34779, Start Num: 50
Candidate Starts for Scarlett_46:
(Start: 50 @35546 has 27 MA's), (Start: 71 @35483 has 1 MA's), (84, 35432), (121, 35327), (124, 35318), (142, 35252), (150, 35228), (153, 35219), (169, 35174), (219, 35063), (234, 35015), (239, 35000), (274, 34925), (284, 34898), (293, 34862),

Gene: Schatzie_90 Start: 57977, Stop: 57270, Start Num: 62
Candidate Starts for Schatzie_90:
(Start: 62 @57977 has 33 MA's), (Start: 75 @57923 has 5 MA's), (Start: 77 @57914 has 1 MA's), (84, 57890), (110, 57818), (142, 57719), (146, 57707), (153, 57686), (202, 57596), (204, 57590), (229, 57509), (235, 57491), (248, 57452), (256, 57434), (257, 57431), (274, 57380), (279, 57368), (293, 57317),

Gene: Settecandela_39 Start: 21883, Stop: 22644, Start Num: 49
Candidate Starts for Settecandela_39:
(17, 21793), (39, 21868), (Start: 49 @21883 has 41 MA's), (Start: 62 @21922 has 33 MA's), (66, 21934), (74, 21973), (76, 21985), (78, 21991), (83, 22012), (86, 22018), (91, 22033), (115, 22108), (125, 22135), (128, 22144), (130, 22150), (148, 22216), (149, 22219), (153, 22231), (178, 22285), (187, 22297), (190, 22303), (197, 22312), (204, 22330), (216, 22366), (217, 22369), (228, 22408), (235, 22429), (236, 22432), (254, 22480), (282, 22543), (285, 22552), (286, 22555), (294, 22594), (304, 22630),

Gene: SgtBeansprout_37 Start: 34082, Stop: 33180, Start Num: 46
Candidate Starts for SgtBeansprout_37:
(Start: 34 @34100 has 2 MA's), (Start: 46 @34082 has 15 MA's), (Start: 62 @34034 has 33 MA's), (69, 34007), (73, 33989), (Start: 79 @33956 has 1 MA's), (84, 33938), (87, 33932), (90, 33920), (118, 33836), (123, 33821), (128, 33806), (138, 33764), (151, 33728), (157, 33710), (173, 33668), (186, 33650), (204, 33611), (226, 33542), (238, 33503), (243, 33488), (267, 33434), (276, 33416), (283, 33398), (293, 33359), (311, 33293), (332, 33203),

Gene: Shaboozey_88 Start: 53974, Stop: 53267, Start Num: 62
Candidate Starts for Shaboozey_88:
(Start: 62 @53974 has 33 MA's), (Start: 75 @53920 has 5 MA's), (Start: 77 @53911 has 1 MA's), (142, 53716), (146, 53704), (148, 53698), (150, 53692), (153, 53683), (171, 53641), (204, 53587), (229, 53506), (235, 53488), (248, 53449), (254, 53437), (256, 53431), (257, 53428), (270, 53386), (278, 53368), (293, 53314),

Gene: Shadow1_47 Start: 35548, Stop: 34661, Start Num: 50
Candidate Starts for Shadow1_47:
(28, 35599), (Start: 50 @35548 has 27 MA's), (63, 35512), (Start: 71 @35479 has 1 MA's), (78, 35449), (142, 35248), (150, 35224), (153, 35215), (157, 35203), (159, 35197), (215, 35065), (270, 34927), (273, 34921), (293, 34855), (317, 34768),

Gene: ShamWow_54 Start: 40375, Stop: 39602, Start Num: 36
Candidate Starts for ShamWow_54:
(Start: 36 @40375 has 119 MA's), (Start: 49 @40351 has 41 MA's), (Start: 59 @40321 has 1 MA's), (88, 40213), (120, 40117), (142, 40036), (150, 40012), (153, 40003), (156, 39994), (207, 39889), (209, 39883), (211, 39877), (258, 39733), (263, 39721), (274, 39697), (302, 39610),

Gene: Shaobing_44 Start: 35188, Stop: 34232, Start Num: 46
Candidate Starts for Shaobing_44:

(Start: 46 @35188 has 15 MA's), (52, 35170), (56, 35158), (66, 35128), (69, 35113), (Start: 71 @35101 has 1 MA's), (73, 35095), (74, 35083), (90, 35026), (104, 34981), (114, 34951), (118, 34942), (123, 34927), (128, 34912), (138, 34870), (143, 34855), (156, 34819), (186, 34765), (193, 34753), (196, 34747), (239, 34615), (245, 34597), (282, 34519), (293, 34477), (318, 34387),

Gene: ShedlockHolmes_45 Start: 35232, Stop: 34315, Start Num: 33
Candidate Starts for ShedlockHolmes_45:
(Start: 33 @35232 has 25 MA's), (Start: 47 @35202 has 1 MA's), (Start: 50 @35196 has 27 MA's), (114, 34980), (142, 34887), (150, 34863), (153, 34854), (157, 34842), (159, 34836), (178, 34788), (213, 34707), (215, 34701), (219, 34689), (233, 34647), (251, 34590), (293, 34485), (311, 34419),

Gene: Sheng711_36 Start: 32371, Stop: 31700, Start Num: 71
Candidate Starts for Sheng711_36:
(Start: 32 @32488 has 54 MA's), (55, 32431), (58, 32422), (Start: 71 @32371 has 1 MA's), (81, 32332), (86, 32314), (112, 32236), (115, 32221), (118, 32215), (131, 32173), (154, 32092), (174, 32050), (186, 32032), (218, 31948), (224, 31927), (254, 31837), (272, 31795), (277, 31783),

Gene: ShereKhan_52 Start: 40151, Stop: 39378, Start Num: 36
Candidate Starts for ShereKhan_52:
(Start: 36 @40151 has 119 MA's), (Start: 49 @40127 has 41 MA's), (Start: 59 @40097 has 1 MA's), (88, 39989), (120, 39893), (142, 39812), (150, 39788), (153, 39779), (156, 39770), (207, 39665), (209, 39659), (211, 39653), (258, 39509), (263, 39497), (274, 39473), (302, 39386),

Gene: ShiaSurprise_43 Start: 34886, Stop: 33984, Start Num: 20
Candidate Starts for ShiaSurprise_43:
(Start: 20 @34886 has 40 MA's), (Start: 25 @34865 has 2 MA's), (Start: 37 @34829 has 2 MA's), (Start: 43 @34823 has 25 MA's), (Start: 53 @34799 has 10 MA's), (Start: 60 @34778 has 6 MA's), (68, 34754), (90, 34664), (94, 34655), (128, 34550), (129, 34547), (131, 34538), (135, 34520), (137, 34514), (153, 34466), (159, 34448), (170, 34418), (176, 34406), (182, 34397), (213, 34325), (232, 34268), (248, 34217), (254, 34202), (269, 34175), (279, 34154), (283, 34142),

Gene: Silverleaf_36 Start: 32374, Stop: 31592, Start Num: 33
Candidate Starts for Silverleaf_36:
(Start: 33 @32374 has 25 MA's), (38, 32356), (123, 32089), (131, 32062), (132, 32059), (140, 32029), (142, 32017), (149, 31996), (172, 31948), (213, 31855), (224, 31819), (254, 31729), (277, 31675),

Gene: Simpliphy_53 Start: 39456, Stop: 38683, Start Num: 36
Candidate Starts for Simpliphy_53:
(Start: 36 @39456 has 119 MA's), (Start: 49 @39432 has 41 MA's), (Start: 59 @39402 has 1 MA's), (88, 39294), (120, 39198), (142, 39117), (150, 39093), (153, 39084), (156, 39075), (207, 38970), (209, 38964), (211, 38958), (258, 38814), (263, 38802), (274, 38778), (302, 38691),

Gene: SirDuracell_53 Start: 38408, Stop: 37659, Start Num: 49
Candidate Starts for SirDuracell_53:
(Start: 36 @38432 has 119 MA's), (Start: 49 @38408 has 41 MA's), (Start: 59 @38378 has 1 MA's), (88, 38270), (120, 38174), (142, 38093), (150, 38069), (153, 38060), (156, 38051), (207, 37946), (209, 37940), (211, 37934), (258, 37790), (263, 37778), (274, 37754), (302, 37667),

Gene: SirPhilip_44 Start: 35758, Stop: 34889, Start Num: 50
Candidate Starts for SirPhilip_44:
(Start: 50 @35758 has 27 MA's), (Start: 53 @35752 has 10 MA's), (55, 35746), (Start: 71 @35689 has 1 MA's), (114, 35551), (142, 35458), (149, 35437), (150, 35434), (153, 35425), (157, 35413), (213, 35284), (219, 35266), (233, 35227), (242, 35197), (282, 35110), (318, 34978), (326, 34927),

Gene: Slarp_46 Start: 35595, Stop: 34777, Start Num: 49
Candidate Starts for Slarp_46:
(Start: 49 @35595 has 41 MA's), (Start: 50 @35592 has 27 MA's), (55, 35577), (Start: 72 @35514 has 1 MA's), (Start: 79 @35484 has 1 MA's), (85, 35463), (99, 35427), (110, 35391), (124, 35349), (128, 35337), (129, 35334), (138, 35295), (153, 35250), (158, 35235), (176, 35199), (182, 35190), (221, 35097), (238, 35043), (246, 35019), (248, 35013), (255, 34995), (282, 34929), (288, 34908),

Gene: Slimphazie_42 Start: 34572, Stop: 33670, Start Num: 20
Candidate Starts for Slimphazie_42:
(Start: 20 @34572 has 40 MA's), (Start: 37 @34515 has 2 MA's), (Start: 43 @34509 has 25 MA's), (Start: 53 @34485 has 10 MA's), (Start: 60 @34464 has 6 MA's), (68, 34440), (90, 34350), (94, 34341), (128, 34236), (129, 34233), (131, 34224), (135, 34206), (137, 34200), (153, 34152), (159, 34134), (170, 34104), (176, 34092), (182, 34083), (208, 34026), (213, 34011), (232, 33954), (248, 33903), (254, 33888), (269, 33861), (283, 33828),

Gene: Snenia_37 Start: 33979, Stop: 33188, Start Num: 32
Candidate Starts for Snenia_37:
(Start: 8 @34069 has 1 MA's), (18, 34027), (Start: 32 @33979 has 54 MA's), (38, 33961), (57, 33925), (Start: 79 @33841 has 1 MA's), (82, 33829), (99, 33778), (102, 33769), (118, 33718), (121, 33712), (153, 33601), (205, 33487), (214, 33460), (229, 33403), (272, 33289), (290, 33235), (298, 33202),

Gene: SoJulia_40 Start: 33999, Stop: 33220, Start Num: 32
Candidate Starts for SoJulia_40:
(Start: 32 @33999 has 54 MA's), (55, 33942), (74, 33870), (81, 33843), (94, 33804), (115, 33732), (118, 33726), (131, 33684), (198, 33516), (223, 33444), (257, 33351), (260, 33345), (277, 33306),

Gene: SoSeph_40 Start: 33939, Stop: 33097, Start Num: 40
Candidate Starts for SoSeph_40:
(Start: 40 @33939 has 24 MA's), (Start: 59 @33897 has 1 MA's), (128, 33672), (147, 33603), (149, 33597), (156, 33582), (161, 33564), (179, 33528), (206, 33456), (237, 33357), (246, 33330), (249, 33321), (252, 33312), (271, 33285), (274, 33279), (280, 33264), (293, 33216), (301, 33195),

Gene: Soap141_39 Start: 33772, Stop: 32993, Start Num: 32
Candidate Starts for Soap141_39:
(Start: 32 @33772 has 54 MA's), (55, 33715), (74, 33643), (94, 33577), (98, 33562), (115, 33505), (118, 33499), (131, 33457), (223, 33217), (257, 33124), (260, 33118), (277, 33079),

Gene: SophKB_51 Start: 39131, Stop: 38358, Start Num: 36
Candidate Starts for SophKB_51:
(Start: 36 @39131 has 119 MA's), (Start: 49 @39107 has 41 MA's), (Start: 59 @39077 has 1 MA's), (88, 38969), (120, 38873), (142, 38792), (150, 38768), (153, 38759), (156, 38750), (207, 38645), (209, 38639), (211, 38633), (258, 38489), (263, 38477), (274, 38453), (302, 38366),

Gene: Sotrice96_55 Start: 39837, Stop: 39064, Start Num: 36
Candidate Starts for Sotrice96_55:
(Start: 36 @39837 has 119 MA's), (Start: 49 @39813 has 41 MA's), (Start: 59 @39783 has 1 MA's), (88, 39675), (120, 39579), (142, 39498), (150, 39474), (153, 39465), (156, 39456), (207, 39351), (209, 39345), (211, 39339), (258, 39195), (263, 39183), (274, 39159), (302, 39072),

Gene: Spock_42 Start: 34690, Stop: 33788, Start Num: 20
Candidate Starts for Spock_42:

(Start: 20 @34690 has 40 MA's), (Start: 25 @34669 has 2 MA's), (Start: 37 @34633 has 2 MA's), (Start: 43 @34627 has 25 MA's), (Start: 53 @34603 has 10 MA's), (Start: 60 @34582 has 6 MA's), (68, 34558), (90, 34468), (94, 34459), (128, 34354), (129, 34351), (131, 34342), (135, 34324), (137, 34318), (153, 34270), (159, 34252), (170, 34222), (176, 34210), (182, 34201), (213, 34129), (232, 34072), (248, 34021), (254, 34006), (269, 33979), (279, 33958), (283, 33946),

Gene: Squint_89 Start: 54262, Stop: 53555, Start Num: 62
Candidate Starts for Squint_89:
(Start: 62 @54262 has 33 MA's), (Start: 75 @54208 has 5 MA's), (Start: 77 @54199 has 1 MA's), (110, 54103), (116, 54085), (142, 54004), (146, 53992), (148, 53986), (150, 53980), (153, 53971), (171, 53929), (203, 53878), (204, 53875), (229, 53794), (235, 53776), (248, 53737), (254, 53725), (256, 53719), (257, 53716), (270, 53674), (274, 53665), (278, 53656), (279, 53653), (293, 53602),

Gene: Stank_58 Start: 40389, Stop: 39616, Start Num: 36
Candidate Starts for Stank_58:
(Start: 36 @40389 has 119 MA's), (Start: 49 @40365 has 41 MA's), (Start: 59 @40335 has 1 MA's), (88, 40227), (120, 40131), (142, 40050), (150, 40026), (153, 40017), (156, 40008), (207, 39903), (209, 39897), (211, 39891), (258, 39747), (263, 39735), (274, 39711), (302, 39624),

Gene: Stark_55 Start: 39644, Stop: 38871, Start Num: 36
Candidate Starts for Stark_55:
(Start: 36 @39644 has 119 MA's), (Start: 49 @39620 has 41 MA's), (Start: 59 @39590 has 1 MA's), (88, 39482), (120, 39386), (142, 39305), (150, 39281), (153, 39272), (156, 39263), (207, 39158), (209, 39152), (211, 39146), (258, 39002), (263, 38990), (274, 38966), (302, 38879),

Gene: StellaBean_52 Start: 39699, Stop: 38926, Start Num: 36
Candidate Starts for StellaBean_52:
(Start: 36 @39699 has 119 MA's), (Start: 49 @39675 has 41 MA's), (Start: 59 @39645 has 1 MA's), (88, 39537), (120, 39441), (142, 39360), (150, 39336), (153, 39327), (156, 39318), (207, 39213), (209, 39207), (211, 39201), (258, 39057), (263, 39045), (274, 39021), (302, 38934),

Gene: Stellammi_60 Start: 38158, Stop: 37427, Start Num: 49
Candidate Starts for Stellammi_60:
(Start: 49 @38158 has 41 MA's), (80, 38044), (88, 38020), (129, 37894), (198, 37726), (270, 37519), (274, 37513),

Gene: Stinson_43 Start: 35020, Stop: 34181, Start Num: 43
Candidate Starts for Stinson_43:
(Start: 20 @35083 has 40 MA's), (Start: 25 @35062 has 2 MA's), (Start: 37 @35026 has 2 MA's), (Start: 43 @35020 has 25 MA's), (Start: 53 @34996 has 10 MA's), (Start: 60 @34975 has 6 MA's), (Start: 61 @34972 has 1 MA's), (68, 34951), (90, 34861), (94, 34852), (128, 34747), (129, 34744), (131, 34735), (135, 34717), (150, 34672), (153, 34663), (176, 34603), (182, 34594), (213, 34522), (232, 34465), (254, 34399), (271, 34369), (279, 34351), (283, 34339), (307, 34249),

Gene: StolenFromERC_57 Start: 39873, Stop: 39100, Start Num: 36
Candidate Starts for StolenFromERC_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: StormChicken_56 Start: 40515, Stop: 39766, Start Num: 49
Candidate Starts for StormChicken_56:

(Start: 36 @40539 has 119 MA's), (Start: 49 @40515 has 41 MA's), (Start: 59 @40485 has 1 MA's), (88, 40377), (120, 40281), (142, 40200), (150, 40176), (153, 40167), (156, 40158), (207, 40053), (209, 40047), (211, 40041), (258, 39897), (263, 39885), (274, 39861), (302, 39774),

Gene: Strobilo_45 Start: 36567, Stop: 35719, Start Num: 42
Candidate Starts for Strobilo_45:
(Start: 42 @36567 has 8 MA's), (Start: 62 @36516 has 33 MA's), (66, 36504), (76, 36453), (92, 36405), (123, 36309), (128, 36294), (140, 36249), (156, 36204), (176, 36153), (186, 36144), (229, 36024), (280, 35907), (288, 35880), (293, 35859),

Gene: Sulley_42 Start: 34807, Stop: 33914, Start Num: 21
Candidate Starts for Sulley_42:
(Start: 21 @34807 has 9 MA's), (Start: 37 @34759 has 2 MA's), (Start: 43 @34753 has 25 MA's), (Start: 53 @34729 has 10 MA's), (68, 34684), (94, 34585), (128, 34480), (129, 34477), (131, 34468), (135, 34450), (153, 34396), (159, 34378), (170, 34348), (176, 34336), (182, 34327), (213, 34255), (232, 34198), (254, 34132), (269, 34105), (279, 34084), (283, 34072),

Gene: Sunflower1121_48 Start: 35580, Stop: 34762, Start Num: 71
Candidate Starts for Sunflower1121_48:
(28, 35700), (Start: 50 @35649 has 27 MA's), (Start: 71 @35580 has 1 MA's), (78, 35550), (142, 35349), (150, 35325), (153, 35316), (157, 35304), (159, 35298), (215, 35166), (270, 35028), (273, 35022), (293, 34956), (317, 34869),

Gene: Superphikiman_88 Start: 53290, Stop: 52646, Start Num: 77
Candidate Starts for Superphikiman_88:
(Start: 62 @53353 has 33 MA's), (Start: 75 @53299 has 5 MA's), (Start: 77 @53290 has 1 MA's), (110, 53194), (116, 53176), (142, 53095), (146, 53083), (148, 53077), (150, 53071), (153, 53062), (171, 53020), (203, 52969), (204, 52966), (229, 52885), (235, 52867), (248, 52828), (254, 52816), (256, 52810), (257, 52807), (270, 52765), (274, 52756), (278, 52747), (279, 52744), (293, 52693),

Gene: Syra333_47 Start: 35315, Stop: 34425, Start Num: 50
Candidate Starts for Syra333_47:
(Start: 50 @35315 has 27 MA's), (Start: 71 @35246 has 1 MA's), (74, 35234), (78, 35216), (87, 35189), (142, 35015), (150, 34991), (153, 34982), (157, 34970), (159, 34964), (215, 34832), (219, 34820), (270, 34694), (273, 34688), (275, 34682), (293, 34622), (317, 34535),

Gene: TBond007_44 Start: 34675, Stop: 33785, Start Num: 47
Candidate Starts for TBond007_44:
(Start: 33 @34705 has 25 MA's), (Start: 47 @34675 has 1 MA's), (Start: 50 @34669 has 27 MA's), (Start: 71 @34600 has 1 MA's), (78, 34570), (142, 34360), (150, 34336), (153, 34327), (157, 34315), (159, 34309), (178, 34261), (215, 34174), (219, 34162), (251, 34063), (293, 33958), (300, 33940),

Gene: TBrady12_57 Start: 39849, Stop: 39100, Start Num: 49
Candidate Starts for TBrady12_57:
(Start: 36 @39873 has 119 MA's), (Start: 49 @39849 has 41 MA's), (Start: 59 @39819 has 1 MA's), (88, 39711), (120, 39615), (142, 39534), (150, 39510), (153, 39501), (156, 39492), (207, 39387), (209, 39381), (211, 39375), (258, 39231), (263, 39219), (274, 39195), (302, 39108),

Gene: TClif_46 Start: 35608, Stop: 34700, Start Num: 46
Candidate Starts for TClif_46:
(Start: 46 @35608 has 15 MA's), (52, 35590), (Start: 62 @35560 has 33 MA's), (118, 35368), (123, 35353), (128, 35338), (156, 35242), (204, 35140), (241, 35023), (254, 34987), (293, 34894), (299, 34879),

Gene: Tachez_42 Start: 34534, Stop: 33632, Start Num: 20
Candidate Starts for Tachez_42:
(Start: 20 @34534 has 40 MA's), (Start: 37 @34477 has 2 MA's), (Start: 43 @34471 has 25 MA's), (Start: 53 @34447 has 10 MA's), (Start: 60 @34426 has 6 MA's), (68, 34402), (90, 34312), (94, 34303), (128, 34198), (129, 34195), (131, 34186), (135, 34168), (137, 34162), (153, 34114), (159, 34096), (170, 34066), (176, 34054), (182, 34045), (208, 33988), (213, 33973), (232, 33916), (248, 33865), (254, 33850), (269, 33823), (279, 33802), (283, 33790),

Gene: TaiwanKao_44 Start: 34752, Stop: 33913, Start Num: 43
Candidate Starts for TaiwanKao_44:
(Start: 37 @34758 has 2 MA's), (Start: 43 @34752 has 25 MA's), (Start: 53 @34728 has 10 MA's), (Start: 60 @34707 has 6 MA's), (68, 34683), (Start: 72 @34659 has 1 MA's), (90, 34593), (94, 34584), (128, 34479), (129, 34476), (131, 34467), (135, 34449), (153, 34395), (159, 34377), (170, 34347), (176, 34335), (182, 34326), (213, 34254), (232, 34197), (248, 34146), (254, 34131), (269, 34104), (279, 34083), (283, 34071),

Gene: Taquito_46 Start: 35901, Stop: 35164, Start Num: 72
Candidate Starts for Taquito_46:
(Start: 72 @35901 has 1 MA's), (Start: 79 @35871 has 1 MA's), (85, 35850), (99, 35814), (110, 35778), (124, 35736), (128, 35724), (129, 35721), (138, 35682), (153, 35637), (158, 35622), (176, 35586), (182, 35577), (221, 35484), (238, 35430), (246, 35406), (248, 35400), (255, 35382), (282, 35316), (288, 35295),

Gene: Tarkin_53 Start: 40121, Stop: 39348, Start Num: 36
Candidate Starts for Tarkin_53:
(Start: 36 @40121 has 119 MA's), (Start: 49 @40097 has 41 MA's), (Start: 59 @40067 has 1 MA's), (88, 39959), (120, 39863), (142, 39782), (150, 39758), (153, 39749), (156, 39740), (207, 39635), (209, 39629), (211, 39623), (258, 39479), (263, 39467), (274, 39443), (302, 39356),

Gene: TeamEdward_57 Start: 40512, Stop: 39763, Start Num: 49
Candidate Starts for TeamEdward_57:
(Start: 36 @40536 has 119 MA's), (Start: 49 @40512 has 41 MA's), (Start: 59 @40482 has 1 MA's), (88, 40374), (120, 40278), (142, 40197), (150, 40173), (153, 40164), (156, 40155), (207, 40050), (209, 40044), (211, 40038), (258, 39894), (263, 39882), (274, 39858), (302, 39771),

Gene: TeardropMSU_50 Start: 39121, Stop: 38348, Start Num: 36
Candidate Starts for TeardropMSU_50:
(Start: 36 @39121 has 119 MA's), (Start: 49 @39097 has 41 MA's), (Start: 59 @39067 has 1 MA's), (88, 38959), (120, 38863), (142, 38782), (150, 38758), (153, 38749), (156, 38740), (207, 38635), (209, 38629), (211, 38623), (258, 38479), (263, 38467), (274, 38443), (302, 38356),

Gene: Teaspoon_55 Start: 39991, Stop: 39242, Start Num: 49
Candidate Starts for Teaspoon_55:
(Start: 36 @40015 has 119 MA's), (Start: 49 @39991 has 41 MA's), (Start: 59 @39961 has 1 MA's), (88, 39853), (120, 39757), (142, 39676), (150, 39652), (153, 39643), (156, 39634), (207, 39529), (209, 39523), (211, 39517), (258, 39373), (263, 39361), (274, 39337), (302, 39250),

Gene: Teejan_40 Start: 36695, Stop: 35793, Start Num: 46
Candidate Starts for Teejan_40:
(Start: 34 @36713 has 2 MA's), (Start: 46 @36695 has 15 MA's), (Start: 62 @36647 has 33 MA's), (69, 36620), (73, 36602), (Start: 79 @36569 has 1 MA's), (84, 36551), (87, 36545), (90, 36533), (118, 36449), (123, 36434), (128, 36419), (138, 36377), (151, 36341), (157, 36323), (173, 36281), (186,

36263), (204, 36224), (214, 36194), (226, 36155), (238, 36116), (243, 36101), (267, 36047), (276, 36029), (283, 36011), (293, 35972), (311, 35906), (332, 35816),

Gene: Terminus_56 Start: 40612, Stop: 39839, Start Num: 36
Candidate Starts for Terminus_56:
(Start: 36 @40612 has 119 MA's), (Start: 49 @40588 has 41 MA's), (Start: 59 @40558 has 1 MA's), (88, 40450), (120, 40354), (142, 40273), (150, 40249), (153, 40240), (156, 40231), (207, 40126), (209, 40120), (211, 40114), (258, 39970), (263, 39958), (274, 39934), (302, 39847),

Gene: Thibault_80 Start: 53886, Stop: 53179, Start Num: 62
Candidate Starts for Thibault_80:
(Start: 62 @53886 has 33 MA's), (Start: 75 @53832 has 5 MA's), (Start: 77 @53823 has 1 MA's), (84, 53799), (110, 53727), (142, 53628), (146, 53616), (153, 53595), (202, 53505), (204, 53499), (225, 53433), (229, 53418), (235, 53400), (248, 53361), (256, 53343), (257, 53340), (274, 53289), (279, 53277), (293, 53226),

Gene: Thimble_56 Start: 39055, Stop: 38282, Start Num: 36
Candidate Starts for Thimble_56:
(Start: 36 @39055 has 119 MA's), (Start: 49 @39031 has 41 MA's), (Start: 59 @39001 has 1 MA's), (88, 38893), (120, 38797), (142, 38716), (150, 38692), (153, 38683), (156, 38674), (207, 38569), (209, 38563), (211, 38557), (258, 38413), (263, 38401), (274, 38377), (302, 38290),

Gene: ThreeRngTarjay_92 Start: 59262, Stop: 58555, Start Num: 62
Candidate Starts for ThreeRngTarjay_92:
(Start: 62 @59262 has 33 MA's), (Start: 75 @59208 has 5 MA's), (Start: 77 @59199 has 1 MA's), (84, 59175), (110, 59103), (142, 59004), (146, 58992), (153, 58971), (202, 58881), (204, 58875), (229, 58794), (235, 58776), (248, 58737), (256, 58719), (257, 58716), (274, 58665), (279, 58653), (293, 58602),

Gene: Thresher_57 Start: 40998, Stop: 40225, Start Num: 36
Candidate Starts for Thresher_57:
(Start: 36 @40998 has 119 MA's), (Start: 49 @40974 has 41 MA's), (Start: 59 @40944 has 1 MA's), (88, 40836), (120, 40740), (142, 40659), (150, 40635), (153, 40626), (156, 40617), (207, 40512), (209, 40506), (211, 40500), (258, 40356), (263, 40344), (274, 40320), (302, 40233),

Gene: Thyatira_42 Start: 36140, Stop: 35298, Start Num: 40
Candidate Starts for Thyatira_42:
(Start: 40 @36140 has 24 MA's), (Start: 59 @36098 has 1 MA's), (118, 35903), (128, 35873), (147, 35804), (149, 35798), (156, 35783), (161, 35765), (179, 35729), (206, 35657), (237, 35558), (246, 35531), (249, 35522), (252, 35513), (271, 35486), (274, 35480), (280, 35465), (293, 35417), (301, 35396),

Gene: Tierra_45 Start: 35195, Stop: 34329, Start Num: 50
Candidate Starts for Tierra_45:
(Start: 50 @35195 has 27 MA's), (Start: 72 @35123 has 1 MA's), (118, 34979), (129, 34946), (142, 34895), (150, 34871), (153, 34862), (157, 34850), (205, 34745), (211, 34727), (215, 34715), (219, 34703), (233, 34664), (246, 34622), (259, 34589), (282, 34547), (289, 34523), (319, 34397),

Gene: Tigress9_46 Start: 35401, Stop: 34511, Start Num: 50
Candidate Starts for Tigress9_46:
(Start: 50 @35401 has 27 MA's), (63, 35365), (Start: 71 @35332 has 1 MA's), (74, 35320), (76, 35308), (142, 35101), (150, 35077), (153, 35068), (157, 35056), (159, 35050), (215, 34918), (219, 34906), (270, 34780), (273, 34774), (283, 34747), (286, 34738), (293, 34708),

Gene: TingHuaYa_43 Start: 33668, Stop: 32823, Start Num: 53
Candidate Starts for TingHuaYa_43:
(Start: 53 @33668 has 10 MA's), (104, 33491), (128, 33422), (141, 33374), (142, 33368), (145, 33359), (150, 33344), (153, 33335), (199, 33233), (204, 33221), (208, 33209), (213, 33194), (222, 33164), (248, 33086), (265, 33029), (270, 33020), (271, 33017), (279, 32999), (293, 32942), (321, 32834), (322, 32831),

Gene: TiniBug_43 Start: 35469, Stop: 34564, Start Num: 20
Candidate Starts for TiniBug_43:
(Start: 20 @35469 has 40 MA's), (Start: 37 @35409 has 2 MA's), (Start: 43 @35403 has 25 MA's), (Start: 53 @35379 has 10 MA's), (58, 35364), (Start: 61 @35355 has 1 MA's), (68, 35334), (Start: 72 @35310 has 1 MA's), (78, 35283), (90, 35244), (94, 35235), (128, 35130), (129, 35127), (135, 35100), (143, 35076), (150, 35055), (153, 35046), (159, 35028), (176, 34986), (182, 34977), (200, 34941), (213, 34905), (232, 34848), (254, 34782), (283, 34722), (307, 34632),

Gene: Tiri_43 Start: 34869, Stop: 33967, Start Num: 20
Candidate Starts for Tiri_43:
(Start: 20 @34869 has 40 MA's), (Start: 37 @34812 has 2 MA's), (Start: 43 @34806 has 25 MA's), (Start: 53 @34782 has 10 MA's), (Start: 60 @34761 has 6 MA's), (68, 34737), (90, 34647), (94, 34638), (128, 34533), (129, 34530), (131, 34521), (135, 34503), (137, 34497), (153, 34449), (159, 34431), (170, 34401), (176, 34389), (182, 34380), (208, 34323), (213, 34308), (232, 34251), (254, 34185), (269, 34158), (279, 34137), (283, 34125),

Gene: Tomaszewski_50 Start: 38994, Stop: 38221, Start Num: 36
Candidate Starts for Tomaszewski_50:
(Start: 36 @38994 has 119 MA's), (Start: 49 @38970 has 41 MA's), (Start: 59 @38940 has 1 MA's), (88, 38832), (120, 38736), (142, 38655), (150, 38631), (153, 38622), (156, 38613), (207, 38508), (209, 38502), (211, 38496), (258, 38352), (263, 38340), (274, 38316), (302, 38229),

Gene: Topper_42 Start: 34581, Stop: 33787, Start Num: 60
Candidate Starts for Topper_42:
(Start: 20 @34689 has 40 MA's), (Start: 25 @34668 has 2 MA's), (Start: 37 @34632 has 2 MA's), (Start: 43 @34626 has 25 MA's), (Start: 53 @34602 has 10 MA's), (Start: 60 @34581 has 6 MA's), (68, 34557), (90, 34467), (94, 34458), (128, 34353), (129, 34350), (131, 34341), (135, 34323), (137, 34317), (153, 34269), (159, 34251), (170, 34221), (176, 34209), (182, 34200), (213, 34128), (232, 34071), (248, 34020), (254, 34005), (269, 33978), (279, 33957), (283, 33945),

Gene: Torres_40 Start: 36714, Stop: 35794, Start Num: 34
Candidate Starts for Torres_40:
(Start: 34 @36714 has 2 MA's), (Start: 46 @36696 has 15 MA's), (Start: 62 @36648 has 33 MA's), (69, 36621), (73, 36603), (Start: 79 @36570 has 1 MA's), (84, 36552), (87, 36546), (90, 36534), (118, 36450), (123, 36435), (128, 36420), (138, 36378), (151, 36342), (157, 36324), (173, 36282), (186, 36264), (204, 36225), (214, 36195), (226, 36156), (238, 36117), (243, 36102), (267, 36048), (276, 36030), (283, 36012), (293, 35973), (311, 35907), (332, 35817),

Gene: Toto_53 Start: 40351, Stop: 39602, Start Num: 49
Candidate Starts for Toto_53:
(Start: 36 @40375 has 119 MA's), (Start: 49 @40351 has 41 MA's), (Start: 59 @40321 has 1 MA's), (88, 40213), (120, 40117), (142, 40036), (150, 40012), (153, 40003), (156, 39994), (207, 39889), (209, 39883), (211, 39877), (258, 39733), (263, 39721), (274, 39697), (302, 39610),

Gene: Tourach_39 Start: 33734, Stop: 32955, Start Num: 32

Candidate Starts for Tourach_39:
(Start: 32 @33734 has 54 MA's), (55, 33677), (81, 33578), (94, 33539), (115, 33467), (118, 33461), (131, 33419), (148, 33356), (182, 33284), (198, 33251), (257, 33086), (277, 33041),

Gene: Traaww1_50 Start: 39556, Stop: 38783, Start Num: 36
Candidate Starts for Traaww1_50:
(Start: 36 @39556 has 119 MA's), (Start: 49 @39532 has 41 MA's), (Start: 59 @39502 has 1 MA's), (88, 39394), (120, 39298), (142, 39217), (150, 39193), (153, 39184), (156, 39175), (207, 39070), (209, 39064), (211, 39058), (258, 38914), (263, 38902), (274, 38878), (302, 38791),

Gene: TreyKay_43 Start: 34696, Stop: 33857, Start Num: 43
Candidate Starts for TreyKay_43:
(Start: 21 @34750 has 9 MA's), (Start: 37 @34702 has 2 MA's), (Start: 43 @34696 has 25 MA's), (Start: 53 @34672 has 10 MA's), (Start: 60 @34651 has 6 MA's), (68, 34627), (90, 34537), (94, 34528), (128, 34423), (129, 34420), (131, 34411), (135, 34393), (150, 34348), (153, 34339), (159, 34321), (170, 34291), (176, 34279), (182, 34270), (213, 34198), (232, 34141), (254, 34075), (269, 34048), (279, 34027), (283, 34015),

Gene: TriFive_37 Start: 33978, Stop: 33187, Start Num: 32
Candidate Starts for TriFive_37:
(Start: 8 @34068 has 1 MA's), (18, 34026), (Start: 32 @33978 has 54 MA's), (38, 33960), (57, 33924), (Start: 79 @33840 has 1 MA's), (82, 33828), (99, 33777), (102, 33768), (118, 33717), (121, 33711), (153, 33600), (205, 33486), (214, 33459), (229, 33402), (272, 33288), (290, 33234), (298, 33201),

Gene: TribleTrouble_42 Start: 34597, Stop: 33695, Start Num: 33
Candidate Starts for TribleTrouble_42:
(1, 34825), (2, 34795), (16, 34657), (19, 34648), (Start: 33 @34597 has 25 MA's), (Start: 47 @34567 has 1 MA's), (Start: 50 @34561 has 27 MA's), (142, 34261), (150, 34237), (153, 34228), (157, 34216), (159, 34210), (176, 34171), (178, 34168), (205, 34111), (213, 34087), (215, 34081), (219, 34069), (228, 34042), (230, 34036), (246, 33991), (251, 33976), (274, 33934), (282, 33913),

Gene: Trice_38 Start: 34083, Stop: 33181, Start Num: 46
Candidate Starts for Trice_38:
(Start: 34 @34101 has 2 MA's), (Start: 46 @34083 has 15 MA's), (Start: 62 @34035 has 33 MA's), (69, 34008), (73, 33990), (Start: 79 @33957 has 1 MA's), (84, 33939), (87, 33933), (90, 33921), (118, 33837), (123, 33822), (128, 33807), (138, 33765), (151, 33729), (157, 33711), (173, 33669), (186, 33651), (204, 33612), (214, 33582), (226, 33543), (238, 33504), (243, 33489), (267, 33435), (276, 33417), (283, 33399), (293, 33360), (311, 33294), (332, 33204),

Gene: TruffulaTree_42 Start: 34568, Stop: 33666, Start Num: 20
Candidate Starts for TruffulaTree_42:
(Start: 20 @34568 has 40 MA's), (Start: 37 @34511 has 2 MA's), (Start: 43 @34505 has 25 MA's), (Start: 53 @34481 has 10 MA's), (Start: 60 @34460 has 6 MA's), (68, 34436), (90, 34346), (94, 34337), (128, 34232), (129, 34229), (131, 34220), (135, 34202), (137, 34196), (153, 34148), (159, 34130), (170, 34100), (176, 34088), (182, 34079), (208, 34022), (213, 34007), (232, 33950), (248, 33899), (254, 33884), (269, 33857), (283, 33824),

Gene: Tuco_55 Start: 40883, Stop: 40110, Start Num: 36
Candidate Starts for Tuco_55:
(Start: 36 @40883 has 119 MA's), (Start: 49 @40859 has 41 MA's), (Start: 59 @40829 has 1 MA's), (88, 40721), (120, 40625), (142, 40544), (150, 40520), (153, 40511), (156, 40502), (207, 40397), (209, 40391), (211, 40385), (258, 40241), (263, 40229), (274, 40205), (302, 40118),

Gene: Twitch_42 Start: 34691, Stop: 33789, Start Num: 20
Candidate Starts for Twitch_42:
(Start: 20 @34691 has 40 MA's), (Start: 25 @34670 has 2 MA's), (Start: 37 @34634 has 2 MA's), (Start: 43 @34628 has 25 MA's), (Start: 53 @34604 has 10 MA's), (Start: 60 @34583 has 6 MA's), (68, 34559), (90, 34469), (94, 34460), (128, 34355), (129, 34352), (131, 34343), (135, 34325), (137, 34319), (153, 34271), (159, 34253), (170, 34223), (176, 34211), (182, 34202), (213, 34130), (232, 34073), (248, 34022), (254, 34007), (269, 33980), (279, 33959), (283, 33947),

Gene: Tyson_36 Start: 32375, Stop: 31593, Start Num: 33
Candidate Starts for Tyson_36:
(Start: 33 @32375 has 25 MA's), (38, 32357), (123, 32090), (131, 32063), (132, 32060), (140, 32030), (142, 32018), (149, 31997), (172, 31949), (213, 31856), (224, 31820), (254, 31730), (277, 31676),

Gene: UPIE_37 Start: 32373, Stop: 31591, Start Num: 33
Candidate Starts for UPIE_37:
(Start: 33 @32373 has 25 MA's), (38, 32355), (123, 32088), (131, 32061), (132, 32058), (140, 32028), (142, 32016), (149, 31995), (172, 31947), (213, 31854), (224, 31818), (254, 31728), (277, 31674),

Gene: Ukulele_51 Start: 39269, Stop: 38496, Start Num: 36
Candidate Starts for Ukulele_51:
(Start: 36 @39269 has 119 MA's), (Start: 49 @39245 has 41 MA's), (Start: 59 @39215 has 1 MA's), (88, 39107), (120, 39011), (142, 38930), (150, 38906), (153, 38897), (156, 38888), (207, 38783), (209, 38777), (211, 38771), (258, 38627), (263, 38615), (274, 38591), (302, 38504),

Gene: Underpass_39 Start: 33740, Stop: 32961, Start Num: 32
Candidate Starts for Underpass_39:
(Start: 32 @33740 has 54 MA's), (55, 33683), (74, 33611), (94, 33545), (115, 33473), (118, 33467), (131, 33425), (223, 33185), (257, 33092), (260, 33086), (277, 33047),

Gene: Unicorn_44 Start: 34427, Stop: 33552, Start Num: 50
Candidate Starts for Unicorn_44:
(Start: 50 @34427 has 27 MA's), (118, 34211), (142, 34127), (150, 34103), (153, 34094), (157, 34082), (163, 34064), (205, 33971), (211, 33953), (215, 33941), (219, 33929), (233, 33890), (246, 33848), (249, 33839),

Gene: Urkel_43 Start: 35473, Stop: 34568, Start Num: 20
Candidate Starts for Urkel_43:
(Start: 20 @35473 has 40 MA's), (Start: 37 @35413 has 2 MA's), (Start: 43 @35407 has 25 MA's), (Start: 53 @35383 has 10 MA's), (58, 35368), (Start: 61 @35359 has 1 MA's), (68, 35338), (Start: 72 @35314 has 1 MA's), (78, 35287), (90, 35248), (94, 35239), (128, 35134), (129, 35131), (135, 35104), (143, 35080), (150, 35059), (153, 35050), (159, 35032), (176, 34990), (182, 34981), (200, 34945), (213, 34909), (232, 34852), (254, 34786), (283, 34726), (307, 34636),

Gene: Validus_46 Start: 35225, Stop: 34305, Start Num: 46
Candidate Starts for Validus_46:
(Start: 46 @35225 has 15 MA's), (58, 35189), (Start: 62 @35177 has 33 MA's), (66, 35165), (Start: 71 @35138 has 1 MA's), (104, 35018), (118, 34979), (123, 34964), (127, 34955), (128, 34949), (145, 34886), (153, 34865), (155, 34859), (156, 34856), (175, 34817), (186, 34805), (196, 34787), (214, 34736), (293, 34517), (318, 34427), (329, 34364), (330, 34352),

Gene: Veliki_42 Start: 34608, Stop: 33706, Start Num: 20
Candidate Starts for Veliki_42:

(Start: 20 @34608 has 40 MA's), (Start: 37 @34551 has 2 MA's), (Start: 43 @34545 has 25 MA's), (Start: 53 @34521 has 10 MA's), (Start: 60 @34500 has 6 MA's), (68, 34476), (90, 34386), (94, 34377), (128, 34272), (129, 34269), (131, 34260), (135, 34242), (137, 34236), (153, 34188), (159, 34170), (170, 34140), (176, 34128), (182, 34119), (208, 34062), (213, 34047), (232, 33990), (248, 33939), (254, 33924), (269, 33897), (279, 33876), (283, 33864),

Gene: Vetrix_39 Start: 33745, Stop: 32966, Start Num: 32
Candidate Starts for Vetrix_39:
(Start: 32 @33745 has 54 MA's), (55, 33688), (74, 33616), (81, 33589), (94, 33550), (115, 33478), (118, 33472), (131, 33430), (223, 33190), (249, 33118), (257, 33097), (260, 33091), (277, 33052),

Gene: ViviJ_40 Start: 33761, Stop: 32910, Start Num: 40
Candidate Starts for ViviJ_40:
(Start: 40 @33761 has 24 MA's), (80, 33632), (95, 33590), (128, 33491), (131, 33479), (144, 33431), (156, 33401), (161, 33383), (177, 33347), (233, 33188), (237, 33173), (241, 33161), (252, 33128), (256, 33119), (271, 33101), (274, 33095), (280, 33080), (293, 33032), (301, 33011),

Gene: Wamburgrxpress_37 Start: 32388, Stop: 31606, Start Num: 33
Candidate Starts for Wamburgrxpress_37:
(Start: 33 @32388 has 25 MA's), (38, 32370), (123, 32103), (131, 32076), (132, 32073), (140, 32043), (142, 32031), (149, 32010), (172, 31962), (213, 31869), (224, 31833), (254, 31743), (277, 31689),

Gene: Wanda_99 Start: 58379, Stop: 57672, Start Num: 62
Candidate Starts for Wanda_99:
(Start: 62 @58379 has 33 MA's), (Start: 75 @58325 has 5 MA's), (Start: 77 @58316 has 1 MA's), (110, 58220), (142, 58121), (146, 58109), (153, 58088), (202, 57998), (204, 57992), (229, 57911), (235, 57893), (248, 57854), (256, 57836), (257, 57833), (274, 57782), (279, 57770), (293, 57719),

Gene: Waterfoul_41 Start: 34034, Stop: 33192, Start Num: 40
Candidate Starts for Waterfoul_41:
(Start: 40 @34034 has 24 MA's), (Start: 59 @33992 has 1 MA's), (118, 33797), (128, 33767), (147, 33698), (149, 33692), (156, 33677), (161, 33659), (179, 33623), (206, 33551), (237, 33452), (246, 33425), (249, 33416), (252, 33407), (271, 33380), (274, 33374), (280, 33359), (293, 33311), (301, 33290),

Gene: Whirlwind_38 Start: 33757, Stop: 32933, Start Num: 21
Candidate Starts for Whirlwind_38:
(Start: 21 @33757 has 9 MA's), (24, 33748), (29, 33730), (Start: 32 @33724 has 54 MA's), (57, 33670), (86, 33562), (92, 33547), (96, 33535), (99, 33523), (102, 33514), (118, 33463), (121, 33457), (136, 33400), (229, 33148), (272, 33034), (290, 32980),

Gene: Wiggin_56 Start: 39957, Stop: 39184, Start Num: 36
Candidate Starts for Wiggin_56:
(Start: 36 @39957 has 119 MA's), (Start: 49 @39933 has 41 MA's), (Start: 59 @39903 has 1 MA's), (88, 39795), (120, 39699), (142, 39618), (150, 39594), (153, 39585), (156, 39576), (207, 39471), (209, 39465), (211, 39459), (258, 39315), (263, 39303), (274, 39279), (302, 39192),

Gene: Wigglewiggle_39 Start: 33771, Stop: 32992, Start Num: 32
Candidate Starts for Wigglewiggle_39:
(Start: 32 @33771 has 54 MA's), (55, 33714), (74, 33642), (94, 33576), (98, 33561), (115, 33504), (118, 33498), (131, 33456), (223, 33216), (257, 33123), (260, 33117), (277, 33078),

Gene: Wilder_39 Start: 33744, Stop: 32965, Start Num: 32

Candidate Starts for Wilder_39:
(Start: 32 @33744 has 54 MA's), (55, 33687), (74, 33615), (94, 33549), (98, 33534), (115, 33477), (118, 33471), (131, 33429), (223, 33189), (257, 33096), (260, 33090), (277, 33051),

Gene: Willez_48 Start: 37859, Stop: 37086, Start Num: 36
Candidate Starts for Willez_48:
(Start: 36 @37859 has 119 MA's), (Start: 49 @37835 has 41 MA's), (Start: 59 @37805 has 1 MA's), (88, 37697), (120, 37601), (142, 37520), (150, 37496), (153, 37487), (156, 37478), (207, 37373), (209, 37367), (211, 37361), (258, 37217), (263, 37205), (274, 37181), (302, 37094),

Gene: Winky_39 Start: 33739, Stop: 32960, Start Num: 32
Candidate Starts for Winky_39:
(Start: 32 @33739 has 54 MA's), (55, 33682), (74, 33610), (81, 33583), (94, 33544), (115, 33472), (118, 33466), (131, 33424), (198, 33256), (223, 33184), (257, 33091), (260, 33085), (277, 33046),

Gene: Wintermute_46 Start: 35744, Stop: 34926, Start Num: 49
Candidate Starts for Wintermute_46:
(Start: 49 @35744 has 41 MA's), (Start: 50 @35741 has 27 MA's), (55, 35726), (Start: 72 @35663 has 1 MA's), (Start: 79 @35633 has 1 MA's), (85, 35612), (99, 35576), (110, 35540), (124, 35498), (128, 35486), (129, 35483), (138, 35444), (153, 35399), (158, 35384), (176, 35348), (182, 35339), (221, 35246), (238, 35192), (246, 35168), (248, 35162), (255, 35144), (282, 35078), (288, 35057),

Gene: Wyatt2_37 Start: 32374, Stop: 31592, Start Num: 33
Candidate Starts for Wyatt2_37:
(Start: 33 @32374 has 25 MA's), (38, 32356), (123, 32089), (131, 32062), (132, 32059), (140, 32029), (142, 32017), (149, 31996), (172, 31948), (213, 31855), (224, 31819), (254, 31729), (277, 31675),

Gene: Xandras_54 Start: 39368, Stop: 38595, Start Num: 36
Candidate Starts for Xandras_54:
(Start: 36 @39368 has 119 MA's), (Start: 49 @39344 has 41 MA's), (Start: 59 @39314 has 1 MA's), (88, 39206), (120, 39110), (142, 39029), (150, 39005), (153, 38996), (156, 38987), (207, 38882), (209, 38876), (211, 38870), (258, 38726), (263, 38714), (274, 38690), (302, 38603),

Gene: Xiaokay_85 Start: 55067, Stop: 54423, Start Num: 77
Candidate Starts for Xiaokay_85:
(Start: 62 @55130 has 33 MA's), (Start: 75 @55076 has 5 MA's), (Start: 77 @55067 has 1 MA's), (110, 54971), (142, 54872), (146, 54860), (153, 54839), (202, 54749), (204, 54743), (229, 54662), (235, 54644), (248, 54605), (256, 54587), (257, 54584), (274, 54533), (279, 54521), (293, 54470),

Gene: Ximenita_48 Start: 35501, Stop: 34620, Start Num: 50
Candidate Starts for Ximenita_48:
(Start: 50 @35501 has 27 MA's), (Start: 71 @35432 has 1 MA's), (74, 35420), (78, 35402), (Start: 79 @35399 has 1 MA's), (142, 35201), (150, 35177), (153, 35168), (157, 35156), (159, 35150), (215, 35018), (219, 35006), (270, 34880), (273, 34874), (275, 34868), (293, 34808), (317, 34721),

Gene: Y10_45 Start: 35662, Stop: 34841, Start Num: 49
Candidate Starts for Y10_45:
(Start: 49 @35662 has 41 MA's), (Start: 50 @35659 has 27 MA's), (55, 35644), (Start: 79 @35551 has 1 MA's), (85, 35530), (110, 35458), (124, 35416), (128, 35404), (129, 35401), (131, 35392), (138, 35362), (158, 35302), (176, 35266), (182, 35257), (221, 35164), (238, 35110), (246, 35086), (248, 35080), (252, 35068), (282, 34996), (288, 34975),

Gene: Y2_45 Start: 35662, Stop: 34841, Start Num: 49

Candidate Starts for Y2_45:
(Start: 49 @35662 has 41 MA's), (Start: 50 @35659 has 27 MA's), (55, 35644), (Start: 79 @35551 has 1 MA's), (85, 35530), (110, 35458), (124, 35416), (128, 35404), (129, 35401), (131, 35392), (138, 35362), (158, 35302), (176, 35266), (182, 35257), (221, 35164), (238, 35110), (246, 35086), (248, 35080), (252, 35068), (282, 34996), (288, 34975),

Gene: YasnayaPolyana_46 Start: 35482, Stop: 34775, Start Num: 79
Candidate Starts for YasnayaPolyana_46:
(Start: 49 @35593 has 41 MA's), (Start: 50 @35590 has 27 MA's), (55, 35575), (Start: 72 @35512 has 1 MA's), (Start: 79 @35482 has 1 MA's), (85, 35461), (99, 35425), (110, 35389), (124, 35347), (128, 35335), (129, 35332), (138, 35293), (153, 35248), (158, 35233), (176, 35197), (182, 35188), (221, 35095), (238, 35041), (246, 35017), (248, 35011), (255, 34993), (282, 34927), (288, 34906),

Gene: YassJohnny_50 Start: 39010, Stop: 38261, Start Num: 49
Candidate Starts for YassJohnny_50:
(Start: 36 @39034 has 119 MA's), (Start: 49 @39010 has 41 MA's), (Start: 59 @38980 has 1 MA's), (88, 38872), (120, 38776), (142, 38695), (150, 38671), (153, 38662), (156, 38653), (207, 38548), (209, 38542), (211, 38536), (258, 38392), (263, 38380), (274, 38356), (302, 38269),

Gene: Yeet_88 Start: 57479, Stop: 56772, Start Num: 62
Candidate Starts for Yeet_88:
(Start: 62 @57479 has 33 MA's), (Start: 75 @57425 has 5 MA's), (Start: 77 @57416 has 1 MA's), (84, 57392), (110, 57320), (142, 57221), (146, 57209), (153, 57188), (202, 57098), (204, 57092), (229, 57011), (235, 56993), (248, 56954), (256, 56936), (257, 56933), (274, 56882), (279, 56870), (293, 56819),

Gene: Youngblood_56 Start: 40542, Stop: 39769, Start Num: 36
Candidate Starts for Youngblood_56:
(Start: 36 @40542 has 119 MA's), (Start: 49 @40518 has 41 MA's), (Start: 59 @40488 has 1 MA's), (88, 40380), (120, 40284), (142, 40203), (150, 40179), (153, 40170), (156, 40161), (207, 40056), (209, 40050), (211, 40044), (258, 39900), (263, 39888), (274, 39864), (302, 39777),

Gene: YoureAdopted_41 Start: 34767, Stop: 33874, Start Num: 21
Candidate Starts for YoureAdopted_41:
(Start: 21 @34767 has 9 MA's), (Start: 37 @34719 has 2 MA's), (Start: 43 @34713 has 25 MA's), (Start: 53 @34689 has 10 MA's), (68, 34644), (Start: 72 @34620 has 1 MA's), (90, 34554), (94, 34545), (128, 34440), (129, 34437), (131, 34428), (135, 34410), (150, 34365), (153, 34356), (159, 34338), (170, 34308), (176, 34296), (182, 34287), (232, 34158), (248, 34107), (254, 34092), (269, 34065), (279, 34044), (283, 34032),

Gene: Yuna_48 Start: 36294, Stop: 35452, Start Num: 50
Candidate Starts for Yuna_48:
(Start: 33 @36330 has 25 MA's), (Start: 50 @36294 has 27 MA's), (55, 36282), (Start: 71 @36225 has 1 MA's), (80, 36189), (81, 36186), (114, 36087), (142, 35994), (149, 35973), (150, 35970), (153, 35961), (157, 35949), (159, 35943), (161, 35934), (163, 35931), (198, 35862), (219, 35802), (240, 35739), (246, 35721), (248, 35715), (281, 35649), (293, 35604), (315, 35523), (319, 35490),

Gene: Yunkel11_45 Start: 34478, Stop: 33723, Start Num: 53
Candidate Starts for Yunkel11_45:
(Start: 53 @34478 has 10 MA's), (99, 34322), (152, 34148), (153, 34145), (159, 34127), (167, 34103), (170, 34097), (186, 34070), (191, 34061), (192, 34058), (211, 34013), (216, 33998), (219, 33989), (251, 33899), (252, 33896), (279, 33845),

Gene: Zakai_39 Start: 33996, Stop: 33217, Start Num: 32
Candidate Starts for Zakai_39:
(Start: 32 @33996 has 54 MA's), (55, 33939), (74, 33867), (94, 33801), (98, 33786), (115, 33729), (118, 33723), (131, 33681), (223, 33441), (257, 33348), (260, 33342), (277, 33303),

Gene: Zaria_37 Start: 32389, Stop: 31607, Start Num: 33
Candidate Starts for Zaria_37:
(Start: 33 @32389 has 25 MA's), (38, 32371), (123, 32104), (131, 32077), (132, 32074), (140, 32044), (142, 32032), (149, 32011), (172, 31963), (213, 31870), (224, 31834), (254, 31744), (277, 31690),

Gene: Zavala_43 Start: 34790, Stop: 33951, Start Num: 43
Candidate Starts for Zavala_43:
(Start: 21 @34844 has 9 MA's), (Start: 37 @34796 has 2 MA's), (Start: 43 @34790 has 25 MA's), (Start: 53 @34766 has 10 MA's), (68, 34721), (Start: 72 @34697 has 1 MA's), (90, 34631), (94, 34622), (128, 34517), (129, 34514), (131, 34505), (135, 34487), (150, 34442), (153, 34433), (159, 34415), (170, 34385), (176, 34373), (182, 34364), (232, 34235), (248, 34184), (254, 34169), (269, 34142), (279, 34121), (283, 34109),

Gene: Zelink_92 Start: 59519, Stop: 58866, Start Num: 75
Candidate Starts for Zelink_92:
(Start: 62 @59573 has 33 MA's), (Start: 75 @59519 has 5 MA's), (Start: 77 @59510 has 1 MA's), (110, 59414), (142, 59315), (146, 59303), (153, 59282), (202, 59192), (204, 59186), (229, 59105), (235, 59087), (248, 59048), (256, 59030), (257, 59027), (274, 58976), (279, 58964), (293, 58913),

Gene: ZhongYanYuan_38 Start: 33577, Stop: 32798, Start Num: 32
Candidate Starts for ZhongYanYuan_38:
(Start: 32 @33577 has 54 MA's), (55, 33520), (81, 33421), (88, 33400), (94, 33382), (115, 33310), (118, 33304), (131, 33262), (144, 33211), (148, 33199), (150, 33193), (153, 33184), (201, 33088), (244, 32965), (247, 32956),

Gene: ZoeJ_44 Start: 36029, Stop: 35175, Start Num: 40
Candidate Starts for ZoeJ_44:
(Start: 40 @36029 has 24 MA's), (Start: 53 @36002 has 10 MA's), (56, 35993), (Start: 71 @35936 has 1 MA's), (84, 35885), (87, 35879), (98, 35843), (128, 35750), (140, 35705), (156, 35660), (186, 35600), (208, 35549), (246, 35429), (282, 35357), (293, 35315),

Gene: xkcd_58 Start: 40732, Stop: 39959, Start Num: 36
Candidate Starts for xkcd_58:
(Start: 36 @40732 has 119 MA's), (Start: 49 @40708 has 41 MA's), (Start: 59 @40678 has 1 MA's), (88, 40570), (120, 40474), (142, 40393), (150, 40369), (153, 40360), (156, 40351), (207, 40246), (209, 40240), (211, 40234), (258, 40090), (263, 40078), (274, 40054), (302, 39967),