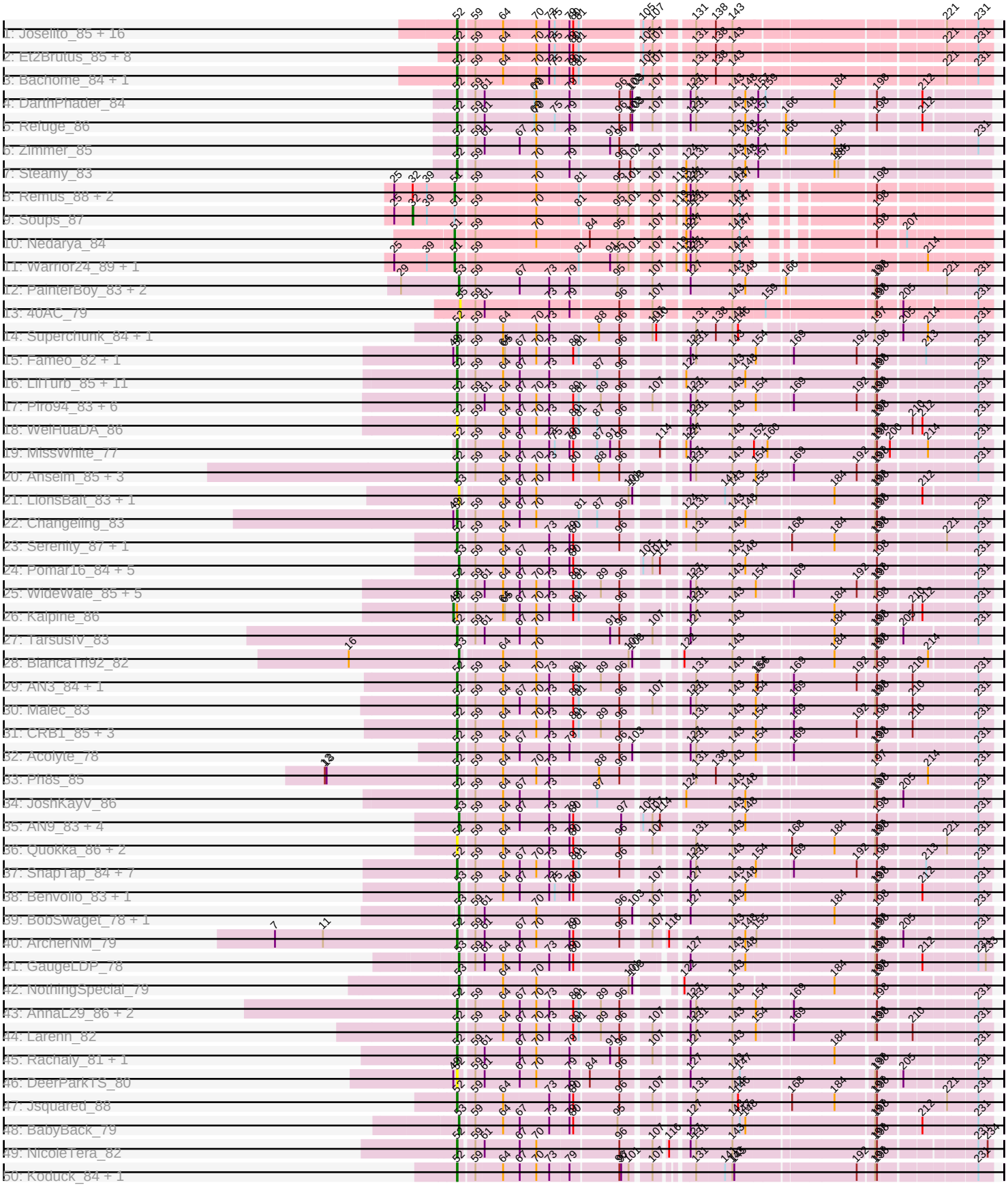
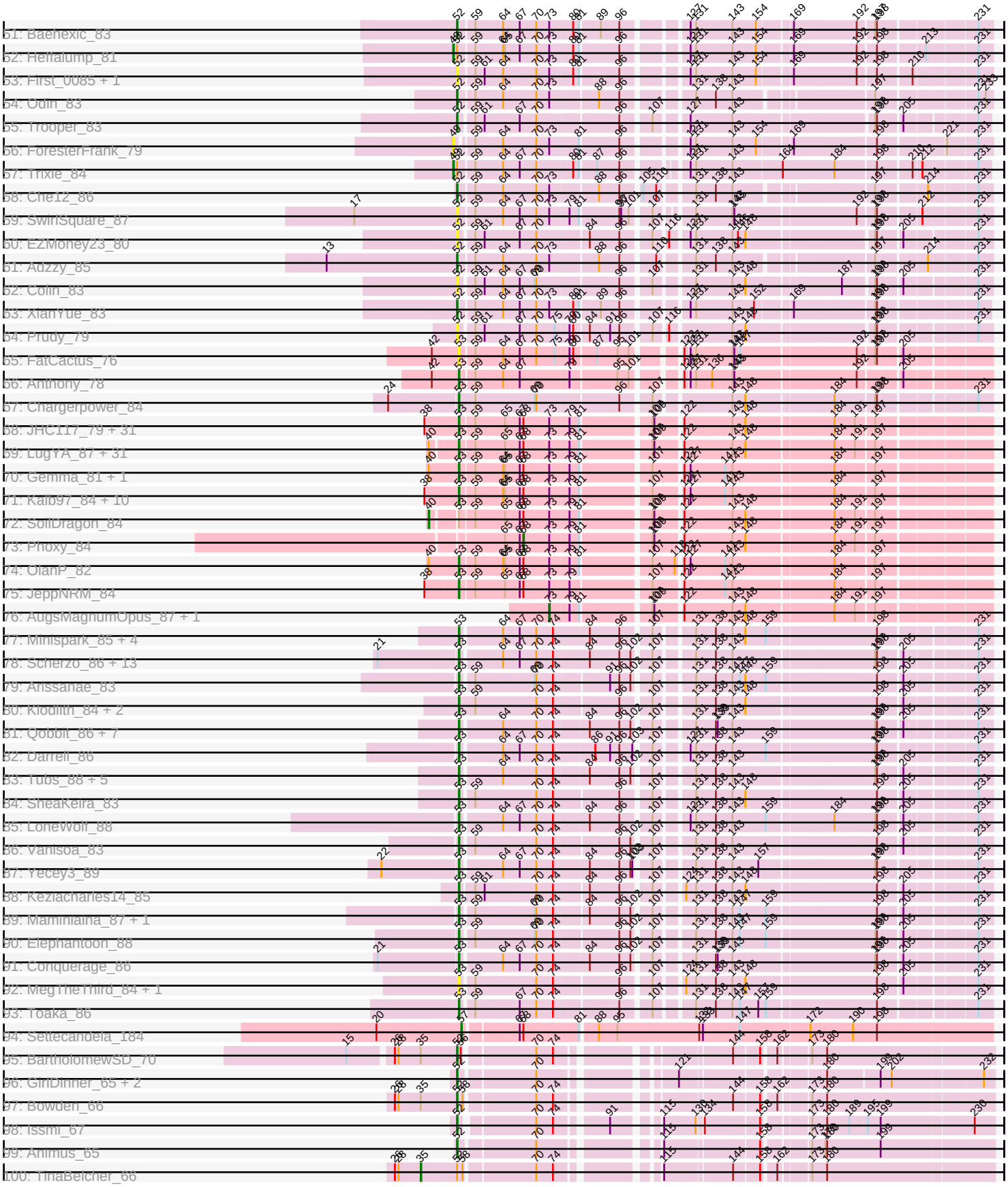
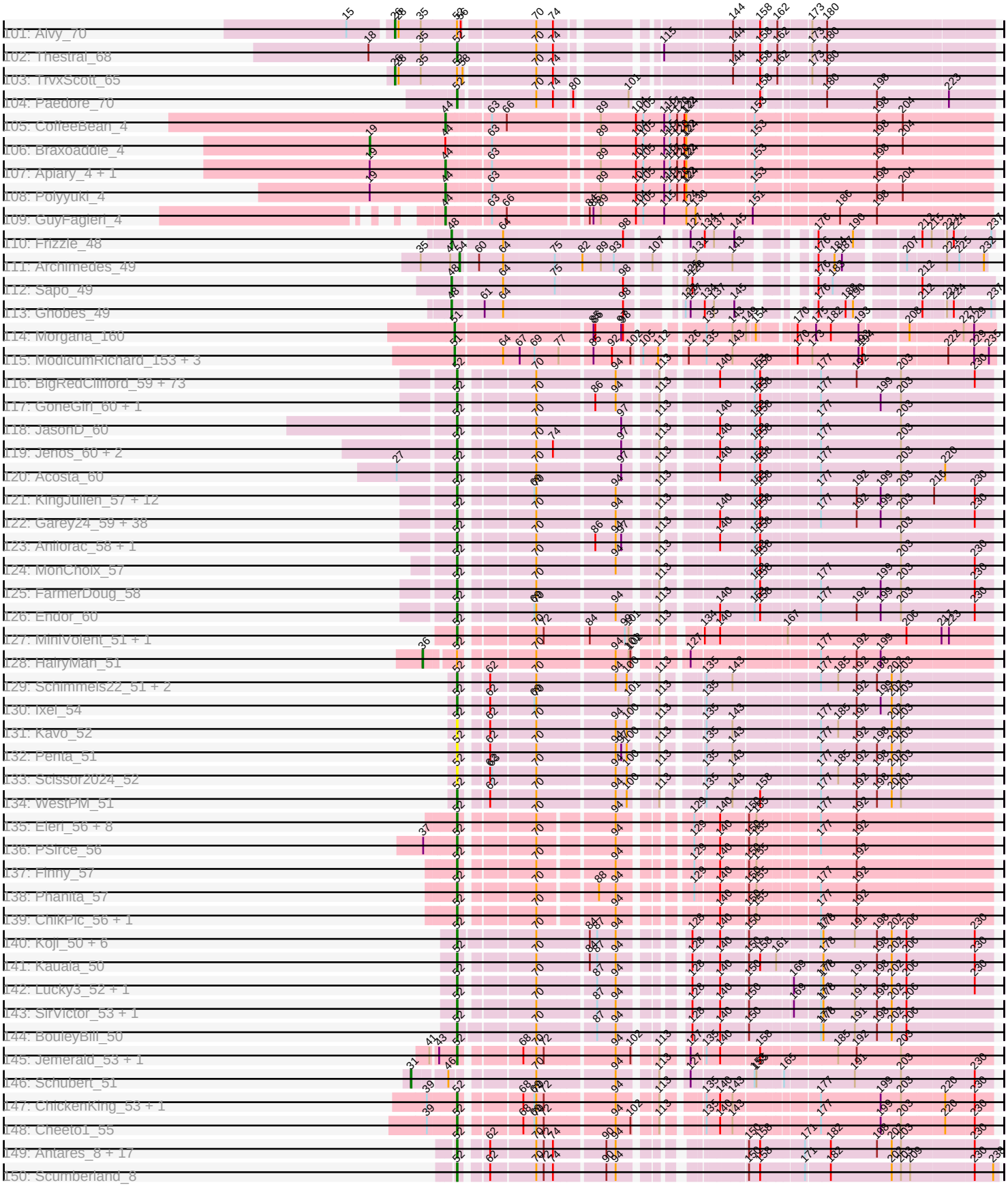
Pham 281870


1: Joselito_85 + 16
2: Et2Brutus_85 + 8
3: Bachome_84 + 1
4: DarthPhader_84
5: Refuge_86
6: Zimmer_85
7: Steamy_83
8: Remus_88 + 2
9: Soups_87
10: Nedarya_84
11: Warrior24_89 + 1
12: PainterBoy_83 + 2
13: 40AC_79
14: Superchunk_84 + 1
15: Fameo_82 + 1
16: LilTurb_85 + 11
17: Piro94_83 + 6
18: WeiHuaDA_86
19: MissWhite_77
20: Anselm_85 + 3
21: LionsBait_83 + 1
22: Changeling_83
23: Serenity_87 + 1
24: Pomar16_84 + 5
25: WideWale_85 + 5
26: Kalpine_86
27: TarsusIV_83
28: BiancaTM92_82
29: AN3_84 + 1
30: Malec_83
31: CRB1_85 + 3
32: Acolyte_78
33: Phi8s_85
34: JoshKayV_86
35: AN9_83 + 4
36: Quokka_86 + 2
37: SnapTap_84 + 7
38: Benvolio_83 + 1
39: BobSwaget_78 + 1
40: ArcherNM_79
41: GaugeLDP_78
42: NothingSpecial_79
43: AnnaL29_86 + 2
44: Larenn_82
45: Rachaly_81 + 1
46: DeerParkTS_80
47: Jsquared_88
48: BabyBack_79
49: NicoleTera_82
50: Koduck_84 + 1

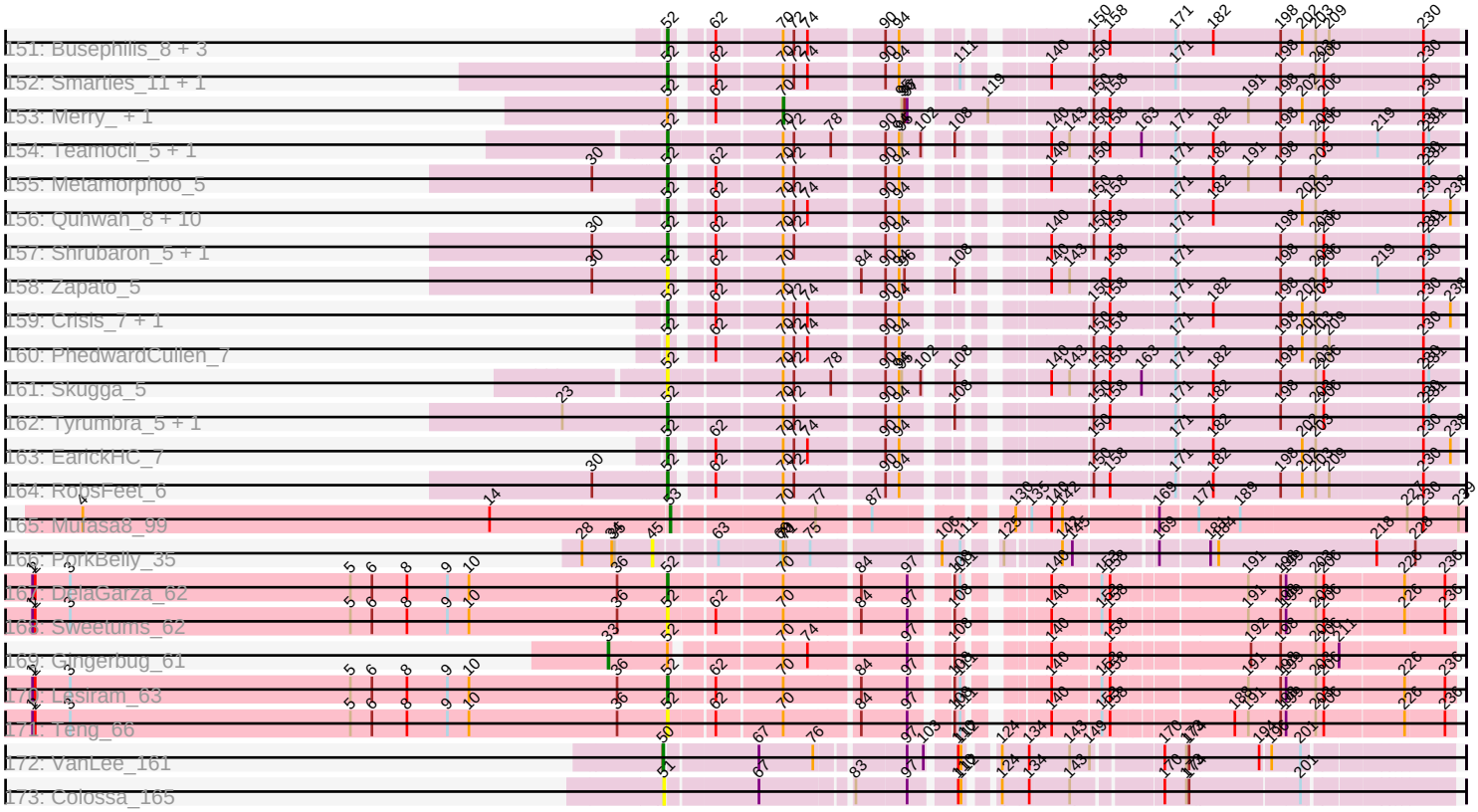
Pham 281870


51: Baehexic_83
52: Heffalump_81
53: First_0085 + 1
54: Odin_83
55: Trooper_83
56: ForesterFrank_79
57: Trixie_84
58: Che12_86
59: SwimSquare_87
60: EzMoney23_80
61: Adzzy_85
62: Colin_83
63: XianYue_83
64: Prudy_79
65: FatCactus_76
66: Anthony_78
67: Chargerpower_84
68: JHC117_79 + 31
69: LugYA_87 + 31
70: Gemma_81 + 1
71: Kalb97_84 + 10
72: SoilDragon_84
73: Phoxy_84
74: OlanP_82
75: JeppNRM_84
76: AugsMagnumOpus_87 + 1
77: Minispark_85 + 4
78: Scherzo_86 + 13
79: Arissanae_83
80: Klodilth_84 + 2
81: Qobbit_86 + 7
82: Darrell_86
83: Tubs_88 + 5
84: SneaKeira_83
85: LoneWolf_88
86: Vanisoa_83
87: Yecey3_89
88: Keziacharles14_85
89: Mamiriaina_87 + 1
90: Elephantoon_88
91: Conquerage_86
92: MegTheThird_84 + 1
93: Toaka_86
94: Settecandela_184
95: BartholomewSD_70
96: GirlDinner_65 + 2
97: Bowden_66
98: Issmi_67
99: Animus_65
100: TinaBelcher_66

Pham 281870


I01: Alvy_70
I02: Thestral_68
I03: TrvxScott_65
I04: Paedore_70
I05: CoffeeBean_4
I06: Braxoaddie_4
I07: Apiary_4 + 1
I08: Polyyuki_4
I09: GuyFagieri_4
I10: Frizzle_48
I11: Archimedes_49
I12: Sapo_49
I13: Ghobes_49
I14: Morgana_160
I15: ModicumRichard_153 + 3
I16: BigRedClifford_59 + 73
I17: GoneGirl_60 + 1
I18: JasonD_60
I19: Jenos_60 + 2
I20: Acosta_60
I21: KingJulien_57 + 12
I22: Garey24_59 + 38
I23: Anliorac_58 + 1
I24: MonChoix_57
I25: FarmerDoug_58
I26: Endor_60
I27: MiniViolent_51 + 1
I28: HairyMan_51
I29: Schimmels22_51 + 2
I30: Ixel_54
I31: Kavo_52
I32: Penta_51
I33: Scissor2024_52
I34: WestPM_51
I35: Eleri_56 + 8
I36: PSirce_56
I37: Finny_57
I38: Phanita_57
I39: ChikPic_56 + 1
I40: Koji_50 + 6
I41: Kauaia_50
I42: Lucky3_52 + 1
I43: SirVictor_53 + 1
I44: BouleyBill_50
I45: Jemerald_53 + 1
I46: Schubert_51
I47: ChickenKing_53 + 1
I48: Cheeto1_55
I49: Antares_8 + 17
I50: Scumberland_8

Pham 281870


151: Busephills_8 + 3
152: Smarties_11 + 1
153: Merry_ + 1
154: Teamocil_5 + 1
155: Metamorphoo_5
156: Quhwah_8 + 10
157: Shrubaron_5 + 1
158: Zapato_5
159: Crisis_7 + 1
160: PhedwardCullen_7
161: Skugga_5
162: Tyrumbra_5 + 1
163: EarlckHC_7
164: RoosFeet_6
165: Mufasa8_99
166: PorkBelly_35
167: DilaGarza_62
168: Sweetums_62
169: Gingerbug_61
170: Lasiram_63
171: Teng_66
172: VanLee_161
173: Colossa_165

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 281870 Report

This analysis was run 02/23/26 on database version 636.

Pham number 281870 has 559 members, 80 are drafts.

Phages represented in each track:
• Track 1 : Joselito_85, Lucivia_87, Orange_86, Gilberta_83, Timothy_86, Aneem_87, MaCh_86, Kimba_83, Petersenfast_80, Bud_81, Bowtie_83, Mabel_86, Munch_86, Ebony_86, TinyTimmy_84, Flaverint_87, Snape_86
• Track 2 : Et2Brutus_85, Fibonacci_85, Salz_81, Sham4_82, Insomnia_85, Jabith_85, Wolpertinger_85, Mulciber_84, Hutc2_82
• Track 3 : Bachome_84, Saskia_83
• Track 4 : DarthPhader_84
• Track 5 : Refuge_86
• Track 6 : Zimmer_85
• Track 7 : Steamy_83
• Track 8 : Remus_88, Epsocamisio_85, Strosahl_88
• Track 9 : Soups_87
• Track 10 : Nedarya_84
• Track 11 : Warrior24_89, Oofda_88
• Track 12 : PainterBoy_83, Lucyedi_83, EagleEye_84
• Track 13 : 40AC_79
• Track 14 : Superchunk_84, Caraxes_85
• Track 15 : Fameo_82, QueenB2_81
• Track 16 : LilTurb_85, KingCyrus_83, ChipMunk_85, AbbyPaige_86, Leviathan_86, Jerm_86, Turbido_85, EvilGenius_84, Agape74_86, Whabigail7_84, Dignity_86, Smeagan_87
• Track 17 : Piro94_83, HarryHoudini_84, Sknot_84, Terrific_85, Centaur_84, Drake55_85, NaSiaTalie_85
• Track 18 : WeiHuaDA_86
• Track 19 : MissWhite_77
• Track 20 : Anselm_85, DudeLittle_82, Retro23_84, Dalmatian_84
• Track 21 : LionsBait_83, HippoHollow_81
• Track 22 : Changeling_83
• Track 23 : Serenity_87, TipsytheTRex_83
• Track 24 : Pomar16_84, Duplo_85, Tomathan_84, StarStuff_84, Kerberos_84, DBQu4n_84
• Track 25 : WideWale_85, Updawg_85, Gratitude_82, MiculUcigas_84, Flare16_84, Equemioh13_84
• Track 26 : Kalpine_86
• Track 27 : TarsusIV_83
• Track 28 : BiancaTri92_82
• Track 29 : AN3_84, VA6_84

• Track 30 : Malec_83
• Track 31 : CRB1_85, Deloris_86, BengiVuitton_86, LadyBird_88
• Track 32 : Acolyte_78
• Track 33 : Ph8s_85
• Track 34 : JoshKayV_86
• Track 35 : AN9_83, VC3_82, ANI8_83, Travvers_84, C3_76
• Track 36 : Quokka_86, MajorMajor_81, Bradman_87
• Track 37 : SnapTap_84, Crucio_84, QueenBeesly_84, Georgie2_86, SweetiePie_84, SemperFi_84, Power_84, FiringLine_84
• Track 38 : Benvolio_83, Echild_87
• Track 39 : BobSwaget_78, Miko_79
• Track 40 : ArcherNM_79
• Track 41 : GaugeLDP_78
• Track 42 : NothingSpecial_79
• Track 43 : AnnaL29_86, Loser_87, RedRock_84
• Track 44 : Larenn_82
• Track 45 : Rachaly_81, Lokk_79
• Track 46 : DeerParkTS_80
• Track 47 : Jsquared_88
• Track 48 : BabyBack_79
• Track 49 : NicoleTera_82
• Track 50 : Koduck_84, L5_77
• Track 51 : Baehexic_83
• Track 52 : Heffalump_81
• Track 53 : First_0085, 20ES_86
• Track 54 : Odin_83
• Track 55 : Trooper_83
• Track 56 : ForesterFrank_79
• Track 57 : Trixie_84
• Track 58 : Che12_86
• Track 59 : SwirlSquare_87
• Track 60 : EZMoney23_80
• Track 61 : Adzzy_85
• Track 62 : Colin_83
• Track 63 : XianYue_83
• Track 64 : Prudy_79
• Track 65 : FatCactus_76
• Track 66 : Anthony_78
• Track 67 : Chargerpower_84
• Track 68 : JHC117_79, Daishi_83, Gwennie_79, Grum1_84, Louie6_83, Hercules11_84, Colbster_80, P28Green_84, Phoebe_85, Anubis_88, Beauxregard13_83, Tiffany_83, MarQuardt_84, Montavir_79, Dieselweasel_85, Rummer_83, Sabinator_82, LarryKay_84, Bxz2_79, TinyPebbles_83, Wooldri_86, Grif_82, SoYo_81, Penny1_84, Soshari_86, Methuselah_77, EpicPhail_85, PotatoSplit_85, Vix_80, Croquant_81, KADY_81, BuzzBuzz_78
• Track 69 : LugYA_87, Microwolf_80, HashRod_85, Pembroke_84, Mainiac_83, Stagni_81, PGHhamlin_86, Watson_83, Lowa_81, Bigflo_81, BreSam8_84, Jobu08_80, Grub_82, Malinsilva_87, JenCasNa_85, Lilith_82, Sabia_82, Spike509_84, Taurus_85, DaHudson_83, StepMih_84, GtownJaz_84, Cullens_85, LBerry_85, Marie_82, MoneyMay_84, Ollie_84, MadMarie_82, Aglet_85, Snickers_84, GingkoMaracino_84, Fernando_85
• Track 70 : Gemma_81, ClownCar_81

• Track 71 : Kalb97_84, HaveUMetTed_84, Groupthink_84, Pawn_82, Marius_84, Manu_83, Kalnoky_84, Heliosoles_81, PhishRPhriends_80, Reba_79, Calvinny_81
• Track 72 : SoilDragon_84
• Track 73 : Phoxy_84
• Track 74 : OlanP_82
• Track 75 : JeppNRM_84
• Track 76 : AugsMagnumOpus_87, MuchMore_87
• Track 77 : Minispark_85, Bellris_85, WorldCup_86, CogOmlette_85, Rahalelujah_87
• Track 78 : Scherzo_86, Pioneer_88, RyeScarlet_89, Holex_87, Ugenie5_75, Lilleskat_85, Phonnegut_88, Beemo_88, Hanray_86, EdogawaKiddo_87, Onglai_86, Jiawan_86, Alma_86, Sachima_84
• Track 79 : Arissanae_83
• Track 80 : Klodlith_84, DreamTeam1_83, Charm_83
• Track 81 : Qobbit_86, Spouty_86, ExplosioNervosa_86, Eidsmoe_86, Fayely_86, EmyBug_85, Ayanochan_86, Priya_86
• Track 82 : Darrell_86
• Track 83 : Tubs_88, Aliter_81, Phaeder_88, Myxus_88, HortumSL17_89, Catalina_90
• Track 84 : SheaKeira_83
• Track 85 : LoneWolf_88
• Track 86 : Vanisoa_83
• Track 87 : Yecey3_89
• Track 88 : Keziacharles14_85
• Track 89 : Maminiaina_87, BogosyJay_87
• Track 90 : Elephantoon_88
• Track 91 : Conquerage_86
• Track 92 : MegTheThird_84, Celestialunch_83
• Track 93 : Toaka_86
• Track 94 : Settecandela_184
• Track 95 : BartholomewSD_70
• Track 96 : GirlDinner_65, Janus_66, SqueakyClean_66
• Track 97 : Bowden_66
• Track 98 : Issmi_67
• Track 99 : Animus_65
• Track 100 : TinaBelcher_66
• Track 101 : Alvy_70
• Track 102 : Thestral_68
• Track 103 : TrvxScott_65
• Track 104 : Paedore_70
• Track 105 : CoffeeBean_4
• Track 106 : Braxoaddie_4
• Track 107 : Apiary_4, Maselop_4
• Track 108 : Polyyuki_4
• Track 109 : GuyFagieri_4
• Track 110 : Frizzle_48
• Track 111 : Archimedes_49
• Track 112 : Sapo_49
• Track 113 : Ghobes_49
• Track 114 : Morgana_160
• Track 115 : ModicumRichard_153, ObLaDi_153, Cafasso_153, Aleemily_151
• Track 116 : BigRedClifford_59, TinSulphur_60, Thompsone_59, BonesMcCoy_59, Stanktossa_58, Blage_59, ParleG_59, Symere_58, Byron23_60, Peep_59, Den3_59, Velene_59, Zada_60, Papafritta_58, Sedgewig_58, Ilzat_58, Janus167_58,

Merida02_60, HankSprout_59, Phiderman_59, Inventa_59, StingRay_58, NickSell_59, Martin_60, Bandik_59, Kurt1_59, GoingMerry_60, Thorongil_59, Winzigespinne_58, Superfresh_59, JeriBeth_60, MillyPhilly_59, Robinson_59, KannH_58, Knox_59, MrWorldwide_59, AlexAdler_59, Riyhil_59, OldNelly_59, Chako_58, Renzie_59, Dothraki_59, Delphidian_58, Raptor_59, Antoinette_59, Convict_59, StirfryIV_58, BeautPeep30_59, Baines_58, Phireproof_59, Dave_59, HanSolo_58, Oxtober96_60, Shee_59, Etta_58, JasperRussell_58, MaeLinda_59, TatarkaPM_59, PhredFlintston_59, Ioannes_59, SoilGremlin_59, SolidSnake_60, Greys_59, Rapheph_59, AranulaLuti_58, WildNOut_59, Clancy_58, Phriends_58, Lovelyunicorn_59, Teagan_59, Figueroism_59, Pherferi_59, CoraRita_60, Duocatuli_58

- Track 117 : GoneGirl_60, GardenB_59
- Track 118 : JasonD_60
- Track 119 : Jenos_60, McGalleon_59, CarisSwetlik_59
- Track 120 : Acosta_60
- Track 121 : KingJulien_57, Balsa_57, Peppino_58, BeeBee8_59, Leafus_58, Stormbreaker8_57, Soror1_57, Hamlet_58, Redfield_58, Raccoon_58, Etna_58, Schnapsidee_58, PhillyPhantom_58
- Track 122 : Garey24_59, Chamuel_58, Gershwin_58, AxiPup_59, Calix_58, ShaiHulud_59, Aubergine_58, SJay_59, KellyGreen_60, Espinosa_58, RosieMae_58, Oats_58, Jerbirus_60, Christoph_58, Tenda_58, Kale_58, Kouch_59, Alyxandracam_59, TeddyBear_58, Benjalauren_59, Rog141_58, Gelo_58, Pocket_58, PuppyEggo_59, Gubbabump_58, Klimt_59, Erla_58, Exploradora_58, Bonino_58, Nattles_58, Asta_58, ManRay_58, HungryHenry_58, SonOfLevi_59, Strathdee_59, Gargoyle_59, Nagem_59, Vispistious_59, Ludgate_59
- Track 123 : Anilorac_58, Agente005_58
- Track 124 : MonChoix_57
- Track 125 : FarmerDoug_58
- Track 126 : Endor_60
- Track 127 : MiniVolent_51, Juanyo_52
- Track 128 : HairyMan_51
- Track 129 : Schimmels22_51, Tinyman4_51, HerculesXL_52
- Track 130 : Ixel_54
- Track 131 : Kavo_52
- Track 132 : Penta_51
- Track 133 : Scissor2024_52
- Track 134 : WestPM_51
- Track 135 : Eleri_56, ColaCorta_56, MCubed_56, Xebius_56, Glamour_55, Zenitsu_56, Shamu_56, Andromedas_56, Saratos_56
- Track 136 : PSirce_56
- Track 137 : Finny_57
- Track 138 : Phanita_57
- Track 139 : ChikPic_56, Sansa_54
- Track 140 : Koji_50, Sinatra_52, Pherbot_51, Bustleton_51, Jingles_50, RenegadeRaider_53, PrincePhergus_51
- Track 141 : Kauala_50
- Track 142 : Lucky3_52, Golden_52
- Track 143 : SirVictor_53, Guetzie_53
- Track 144 : BouleyBill_50
- Track 145 : Jemerald_53, Juicer_53
- Track 146 : Schubert_51
- Track 147 : ChickenKing_53, GaeCeo_55
- Track 148 : Cheeto1_55

• Track 149 : Antares_8, Savannah_7, Ramiel05_7, Shotgun_7, BrazzalePHS_7, Jollipop_7, Rockwell_7, CrazyRich_7, BeagleBug_7, Onika_7, Paschalis_7, Hermeonysus_7, Phorgeous_7, SirFrank_7, Kowalski_7, LittleFortune_8, Jefe_8, PiperSansNom_8
• Track 150 : Scumberland_8
• Track 151 : Busephilis_8, Ganandorf_7, Lucretia_8, NoodlelyBoi_7
• Track 152 : Smarties_11, Ariadne_11
• Track 153 : Merry_, Sunny_
• Track 154 : Teamocil_5, Gina_5
• Track 155 : Metamorphoo_5
• Track 156 : Quhwah_8, Phrancesco_8, Selwyn23_8, Honeyfin_8, Cranjis_7, ClearAsMud_7, Pulchra_8, Piperis_7, Yeti_7, KaiHaiDragon_7, Glorp_7
• Track 157 : Shrubaron_5, Fireman_5
• Track 158 : Zapato_5
• Track 159 : Crisis_7, PierreOrion_7
• Track 160 : PhedwardCullen_7
• Track 161 : Skugga_5
• Track 162 : Tyrumbra_5, Jayden_6
• Track 163 : EarickHC_7
• Track 164 : RobsFeet_6
• Track 165 : Mufasa8_99
• Track 166 : PorkBelly_35
• Track 167 : DelaGarza_62
• Track 168 : Sweetums_62
• Track 169 : Gingerbug_61
• Track 170 : Lesiram_63
• Track 171 : Teng_66
• Track 172 : VanLee_161
• Track 173 : Colossa_165

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

The start number called the most often in the published annotations is 52, it was called in 311 of the 479 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_86, AN3_84, AbbyPaige_86, Acolyte_78, Acosta_60, Adzzy_85, Agape74_86, Agente005_58, AlexAdler_59, Alyxandracam_59, Andromedas_56, Aneem_87, Anilorac_58, Animus_65, AnnaL29_86, Anselm_85, Antares_8, Antoinette_59, AranulaLuti_58, ArcherNM_79, Ariadne_11, Asta_58, Aubergine_58, AxiPup_59, Bachome_84, Baehexic_83, Baines_58, Balsa_57, Bandik_59, BartholomewSD_70, BeagleBug_7, BeautPeep30_59, BeeBee8_59, BengiVuitton_86, Benjalauren_59, BigRedClifford_59, Blage_59, BonesMcCoy_59, Bonino_58, BouleyBill_50, Bowden_66, Bowtie_83, Bradman_87, BrazzalePHS_7, Bud_81, Busephilis_8, Bustleton_51, Byron23_60, CRB1_85, Calix_58, Caraxes_85, CarisSwetlik_59, Centaur_84, Chako_58, Chamuel_58, Changeling_83, Che12_86, Cheeto1_55, ChickenKing_53, ChikPic_56, ChipMunk_85, Christoph_58, Clancy_58, ClearAsMud_7, ColaCorta_56, Colin_83, Convict_59, CoraRita_60, Cranjis_7, CrazyRich_7, Crisis_7, Crucio_84, Dalmatian_84, DarthPhader_84, Dave_59, DeerParkTS_80, DelaGarza_62, Deloris_86, Delphidian_58, Den3_59, Dignity_86,

Dothraki_59, Drake55_85, DudeLittle_82, Duocatuli_58, EZMoney23_80, EarickHC_7, Ebony_86, Eleri_56, Endor_60, Equemioh13_84, Erla_58, Espinosa_58, Et2Brutus_85, Etna_58, Etta_58, EvilGenius_84, Exploradora_58, Fameo_82, FarmerDoug_58, Fibonacci_85, Figueroism_59, Finny_57, Fireman_5, FiringLine_84, First_0085, Flare16_84, Flaverint_87, GaeCeo_55, Ganandorf_7, GardenB_59, Garey24_59, Gargoyle_59, Gelo_58, Georgie2_86, Gershwin_58, Gilberta_83, Gina_5, GirlDinner_65, Glamour_55, Glorp_7, GoingMerry_60, Golden_52, GoneGirl_60, Gratitude_82, Greys_59, Gubbabump_58, Guetzie_53, Hamlet_58, HanSolo_58, HankSprout_59, HarryHoudini_84, HerculesXL_52, Hermeonysus_7, Honeyfin_8, HungryHenry_58, Hutc2_82, Ilzat_58, Insomnia_85, Inventa_59, Ioannes_59, Issmi_67, Ixel_54, Jabith_85, Janus167_58, Janus_66, JasonD_60, JasperRussell_58, Jayden_6, Jefe_8, Jemerald_53, Jenos_60, Jerbirus_60, JeriBeth_60, Jerm_86, Jingles_50, Jollipop_7, Joselito_85, JoshKayV_86, Jsquared_88, Juanyo_52, Juicer_53, KaiHaiDragon_7, Kale_58, KannH_58, Kauala_50, Kavo_52, KellyGreen_60, Kimba_83, KingCyrus_83, KingJulien_57, Klimt_59, Knox_59, Koduck_84, Koji_50, Kouch_59, Kowalski_7, Kurt1_59, L5_77, LadyBird_88, Larenn_82, Leafus_58, Lesiram_63, Leviathan_86, LilTurb_85, LittleFortune_8, Lokk_79, Loser_87, Lovelyunicorn_59, Lucivia_87, Lucky3_52, Lucretia_8, Ludgate_59, MCubed_56, MaCh_86, Mabel_86, MaeLinda_59, MajorMajor_81, Malec_83, ManRay_58, Martin_60, McGalleon_59, Merida02_60, Metamorphoo_5, MiculUcigas_84, MillyPhilly_59, MiniVolent_51, MissWhite_77, MonChoix_57, MrWorldwide_59, Mulciber_84, Munch_86, NaSiaTalie_85, Nagem_59, Nattles_58, NickSell_59, NicoleTera_82, NoodlelyBoi_7, Oats_58, Odin_83, OldNelly_59, Onika_7, Orange_86, Oxtober96_60, PSirce_56, Paedore_70, Papafritta_58, ParleG_59, Paschalis_7, Peep_59, Penta_51, Peppino_58, Petersenfast_80, Ph8s_85, Phanita_57, PhedwardCullen_7, Pherbot_51, Pherferi_59, Phiderman_59, PhillyPhantom_58, Phireproof_59, Phorgeous_7, Phrancesco_8, PhredFlintston_59, Phriends_58, PierreOrion_7, PiperSansNom_8, Piperis_7, Piro94_83, Pocket_58, Power_84, PrincePhergus_51, Prudy_79, Pulchra_8, PuppyEggo_59, QueenB2_81, QueenBeesly_84, Quhwah_8, Quokka_86, Raccoon_58, Rachaly_81, Ramiel05_7, Rapheph_59, Raptor_59, RedRock_84, Redfield_58, Refuge_86, RenegadeRaider_53, Renzie_59, Retro23_84, Riyhil_59, Robinson_59, RobsFeet_6, Rockwell_7, Rog141_58, RosieMae_58, SJay_59, Salz_81, Sansa_54, Saratos_56, Saskia_83, Savannah_7, Schimmels22_51, Schnapsidee_58, Scissor2024_52, Scumberland_8, Sedgewig_58, Selwyn23_8, SemperFi_84, Serenity_87, ShaiHulud_59, Sham4_82, Shamu_56, Shee_59, Shotgun_7, Shrubaron_5, Sinatra_52, SirFrank_7, SirVictor_53, Sknot_84, Skugga_5, Smarties_11, Smeagan_87, SnapTap_84, Snape_86, SoilGremlin_59, SolidSnake_60, SonOfLevi_59, Soror1_57, SqueakyClean_66, Stanktossa_58, Steamy_83, StingRay_58, StirfryIV_58, Stormbreaker8_57, Strathdee_59, Superchunk_84, Superfresh_59, SweetiePie_84, Sweetums_62, SwirlSquare_87, Symere_58, TarsusIV_83, TatarkaPM_59, Teagan_59, Teamocil_5, TeddyBear_58, Tenda_58, Teng_66, Terrific_85, Thestral_68, Thompsone_59, Thorongil_59, Timothy_86, TinSulphur_60, TinyTimmy_84, Tinyman4_51, TipsytheTRex_83, Trooper_83, Turbido_85, Tyrumbra_5, Updawg_85, VA6_84, Velene_59, Vispistious_59, WeiHuaDA_86, WestPM_51, Whabigail7_84, WideWale_85, WildNOut_59, Winzigespinne_58, Wolpertinger_85, Xebius_56, XianYue_83, Yeti_7, Zada_60, Zapato_5, Zenitsu_56, Zimmer_85,

Genes that have the "Most Annotated" start but do not call it:
• Alvy_70, Gingerbug_61, HairyMan_51, Heffalump_81, Kalpine_86, Merry_, Sunny_, TinaBelcher_66, Trixie_84, TrvxScott_65,

Genes that do not have the "Most Annotated" start:
• 40AC_79, AN9_83, ANI8_83, Aglet_85, Aleemily_151, Aliter_81, Alma_86, Anthony_78, Anubis_88, Apiary_4, Archimedes_49, Arissanae_83, AugsMagnumOpus_87, Ayanochan_86, BabyBack_79, Beauxregard13_83, Beemo_88, Bellris_85, Benvolio_83, BiancaTri92_82, Bigflo_81, BobSwaget_78, BogosyJay_87, Braxoaddie_4, BreSam8_84, BuzzBuzz_78, Bxz2_79, C3_76, Cafasso_153, Calvinny_81, Catalina_90, Celestialunch_83, Chargerpower_84, Charm_83, ClownCar_81, CoffeeBean_4, CogOmlette_85, Colbster_80, Colossa_165, Conquerage_86, Croquant_81, Cullens_85, DBQu4n_84, DaHudson_83, Daishi_83, Darrell_86, Dieselweasel_85, DreamTeam1_83, Duplo_85, EagleEye_84, Echild_87, EdogawaKiddo_87, Eidsmoe_86, Elephantoon_88, EmyBug_85, EpicPhail_85, Epsocamisio_85, ExplosioNervosa_86, FatCactus_76, Fayely_86, Fernando_85, ForesterFrank_79, Frizzle_48, GaugeLDP_78, Gemma_81, Ghobes_49, GingkoMaracino_84, Grif_82, Groupthink_84, Grub_82, Grum1_84, GtownJaz_84, GuyFagieri_4, Gwennie_79, Hanray_86, HashRod_85, HaveUMetTed_84, Heliosoles_81, Hercules11_84, HippoHollow_81, Holex_87, HortumSL17_89, JHC117_79, JenCasNa_85, JeppNRM_84, Jiawan_86, Jobu08_80, KADY_81, Kalb97_84, Kalnoky_84, Kerberos_84, Keziacharles14_85, Klodlith_84, LBerry_85, LarryKay_84, Lilith_82, Lilleskat_85, LionsBait_83, LoneWolf_88, Louie6_83, Lowa_81, Lucyedi_83, LugYA_87, MadMarie_82, Mainiac_83, Malinsilva_87, Maminiaina_87, Manu_83, MarQuardt_84, Marie_82, Marius_84, Maselop_4, MegTheThird_84, Methuselah_77, Microwolf_80, Miko_79, Minispark_85, ModicumRichard_153, MoneyMay_84, Montavir_79, Morgana_160, MuchMore_87, Mufasa8_99, Myxus_88, Nedarya_84, NothingSpecial_79, ObLaDi_153, OlanP_82, Ollie_84, Onglai_86, Oofda_88, P28Green_84, PGHhamlin_86, PainterBoy_83, Pawn_82, Pembroke_84, Penny1_84, Phaeder_88, PhishRPhriends_80, Phoebe_85, Phonnegut_88, Phoxy_84, Pioneer_88, Polyyuki_4, Pomar16_84, PorkBelly_35, PotatoSplit_85, Priya_86, Qobbit_86, Rahalelujah_87, Reba_79, Remus_88, Rummer_83, RyeScarlet_89, Sabia_82, Sabinator_82, Sachima_84, Sapo_49, Scherzo_86, Schubert_51, Settecandela_184, SheaKeira_83, Snickers_84, SoYo_81, SoilDragon_84, Soshari_86, Soups_87, Spike509_84, Spouty_86, Stagni_81, StarStuff_84, StepMih_84, Strosahl_88, Taurus_85, Tiffany_83, TinyPebbles_83, Toaka_86, Tomathan_84, Travvers_84, Tubs_88, Ugenie5_75, VC3_82, VanLee_161, Vanisoa_83, Vix_80, Warrior24_89, Watson_83, Wooldri_86, WorldCup_86, Yecey3_89,

Summary by start number:

Start 19:
• Found in 4 of 559 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Braxoaddie_4 (CR6),

Start 26:
• Found in 5 of 559 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 479
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Alvy_70 (BD2), TrvxScott_65 (BD2),

Start 31:
• Found in 1 of 559 (0.2%) of genes in pham

• Manual Annotations of this start: 1 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schubert_51 (EA8),

Start 32:
• Found in 4 of 559 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Soups_87 (A15),

Start 33:
• Found in 1 of 559 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gingerbug_61 (GF),

Start 35:
• Found in 8 of 559 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 12.5% of time when present
• Phage (with cluster) where this start called: TinaBelcher_66 (BD2),

Start 36:
• Found in 5 of 559 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 20.0% of time when present
• Phage (with cluster) where this start called: HairyMan_51 (EA10),

Start 40:
• Found in 36 of 559 (6.4%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 2.8% of time when present
• Phage (with cluster) where this start called: SoilDragon_84 (A3),

Start 44:
• Found in 6 of 559 (1.1%) of genes in pham
• Manual Annotations of this start: 5 of 479
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Apiary_4 (CR6), CoffeeBean_4 (CR6), GuyFagieri_4 (CR6), Maselop_4 (CR6), Polyyuki_4 (CR6),

Start 45:
• Found in 1 of 559 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PorkBelly_35 (FJ),

Start 48:
• Found in 3 of 559 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frizzle_48 (DA), Ghobes_49 (DA), Sapo_49 (DA),

Start 49:
• Found in 8 of 559 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 479
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ForesterFrank_79 (A2), Heffalump_81 (A2), Kalpine_86 (A2), Trixie_84 (A2),

Start 50:
• Found in 1 of 559 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VanLee_161 (KA),

Start 51:
• Found in 13 of 559 (2.3%) of genes in pham
• Manual Annotations of this start: 10 of 479
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Aleemily_151 (DZ), Cafasso_153 (DZ), Colossa_165 (KA), Epsocamisio_85 (A15), ModicumRichard_153 (DZ), Morgana_160 (DZ), Nedarya_84 (A15), ObLaDi_153 (DZ), Oofda_88 (A15), Remus_88 (A15), Strosahl_88 (A15), Warrior24_89 (A15),

Start 52:
• Found in 369 of 559 (66.0%) of genes in pham
• Manual Annotations of this start: 311 of 479
• Called 97.3% of time when present
• Phage (with cluster) where this start called: 20ES_86 (A2), AN3_84 (A2), AbbyPaige_86 (A2), Acolyte_78 (A2), Acosta_60 (EA1), Adzzy_85 (A2), Agape74_86 (A2), Agente005_58 (EA1), AlexAdler_59 (EA1), Alyxandracam_59 (EA1), Andromedas_56 (EA2), Aneem_87 (A11), Anilorac_58 (EA1), Animus_65 (BD2), AnnaL29_86 (A2), Anselm_85 (A2), Antares_8 (EC), Antoinette_59 (EA1), AranulaLuti_58 (EA1), ArcherNM_79 (A2), Ariadne_11 (EC), Asta_58 (EA1), Aubergine_58 (EA1), AxiPup_59 (EA1), Bachome_84 (A11), Baehexic_83 (A2), Baines_58 (EA1), Balsa_57 (EA1), Bandik_59 (EA1), BartholomewSD_70 (BD2), BeagleBug_7 (EC), BeautPeep30_59 (EA1), BeeBee8_59 (EA1), BengiVuitton_86 (A2), Benjalauren_59 (EA1), BigRedClifford_59 (EA1), Blage_59 (EA1), BonesMcCoy_59 (EA1), Bonino_58 (EA1), BouleyBill_50 (EA4), Bowden_66 (BD2), Bowtie_83 (A11), Bradman_87 (A2), BrazzalePHS_7 (EC), Bud_81 (A11), Busephilis_8 (EC), Bustleton_51 (EA4), Byron23_60 (EA1), CRB1_85 (A2), Calix_58 (EA1), Caraxes_85 (A2), CarisSwetlik_59 (EA1), Centaur_84 (A2), Chako_58 (EA1), Chamuel_58 (EA1), Changeling_83 (A2), Che12_86 (A2), Cheeto1_55 (EA9), ChickenKing_53 (EA9), ChikPic_56 (EA2), ChipMunk_85 (A2), Christoph_58 (EA1), Clancy_58 (EA1), ClearAsMud_7 (EC), ColaCorta_56 (EA2), Colin_83 (A2), Convict_59 (EA1), CoraRita_60 (EA1), Cranjis_7 (EC), CrazyRich_7 (EC), Crisis_7 (EC), Crucio_84 (A2), Dalmatian_84 (A2), DarthPhader_84 (A12), Dave_59 (EA1), DeerParkTS_80 (A2), DelaGarza_62 (GF), Deloris_86 (A2), Delphidian_58 (EA1), Den3_59 (EA1), Dignity_86 (A2), Dothraki_59 (EA1), Drake55_85 (A2), DudeLittle_82 (A2), Duocatuli_58 (EA1), EZMoney23_80 (A2), EarickHC_7 (EC), Ebony_86 (A11), Eleri_56 (EA2), Endor_60 (EA1), Equemioh13_84 (A2), Erla_58 (EA1), Espinosa_58 (EA1), Et2Brutus_85 (A11), Etna_58 (EA1), Etta_58 (EA1), EvilGenius_84 (A2), Exploradora_58 (EA1), Fameo_82 (A2), FarmerDoug_58 (EA1), Fibonacci_85 (A11), Figueroism_59 (EA1), Finny_57 (EA2), Fireman_5 (EC), FiringLine_84 (A2),

First_0085 (A2), Flare16_84 (A2), Flaverint_87 (A11), GaeCeo_55 (EA9), Ganandorf_7 (EC), GardenB_59 (EA1), Garey24_59 (EA1), Gargoyle_59 (EA1), Gelo_58 (EA1), Georgie2_86 (A2), Gershwin_58 (EA1), Gilberta_83 (A11), Gina_5 (EC), GirlDinner_65 (BD2), Glamour_55 (EA2), Glorp_7 (EC), GoingMerry_60 (EA1), Golden_52 (EA4), GoneGirl_60 (EA1), Gratitude_82 (A2), Greys_59 (EA1), Gubbabump_58 (EA1), Guetzie_53 (EA4), Hamlet_58 (EA1), HanSolo_58 (EA1), HankSprout_59 (EA1), HarryHoudini_84 (A2), HerculesXL_52 (EA11), Hermeonysus_7 (EC), Honeyfin_8 (EC), HungryHenry_58 (EA1), Hutc2_82 (A11), Ilzat_58 (EA1), Insomnia_85 (A11), Inventa_59 (EA1), Ioannes_59 (EA1), Issmi_67 (BD2), Ixel_54 (EA11), Jabith_85 (A11), Janus167_58 (EA1), Janus_66 (BD2), JasonD_60 (EA1), JasperRussell_58 (EA1), Jayden_6 (EC), Jefe_8 (EC), Jemerald_53 (EA6), Jenos_60 (EA1), Jerbirus_60 (EA1), JeriBeth_60 (EA1), Jerm_86 (A2), Jingles_50 (EA4), Jollipop_7 (EC), Joselito_85 (A11), JoshKayV_86 (A2), Jsquared_88 (A2), Juanyo_52 (EA10), Juicer_53 (EA6), KaiHaiDragon_7 (EC), Kale_58 (EA1), KannH_58 (EA1), Kauala_50 (EA4), Kavo_52 (EA11), KellyGreen_60 (EA1), Kimba_83 (A11), KingCyrus_83 (A2), KingJulien_57 (EA1), Klimt_59 (EA1), Knox_59 (EA1), Koduck_84 (A2), Koji_50 (EA4), Kouch_59 (EA1), Kowalski_7 (EC), Kurt1_59 (EA1), L5_77 (A2), LadyBird_88 (A2), Larenn_82 (A2), Leafus_58 (EA1), Lesiram_63 (GF), Leviathan_86 (A2), LilTurb_85 (A2), LittleFortune_8 (EC), Lokk_79 (A2), Loser_87 (A2), Lovelyunicorn_59 (EA1), Lucivia_87 (A11), Lucky3_52 (EA4), Lucretia_8 (EC), Ludgate_59 (EA1), MCubed_56 (EA2), MaCh_86 (A11), Mabel_86 (A11), MaeLinda_59 (EA1), MajorMajor_81 (A2), Malec_83 (A2), ManRay_58 (EA1), Martin_60 (EA1), McGalleon_59 (EA1), Merida02_60 (EA1), Metamorphoo_5 (EC), MiculUcigas_84 (A2), MillyPhilly_59 (EA1), MiniVolent_51 (EA10), MissWhite_77 (A2), MonChoix_57 (EA1), MrWorldwide_59 (EA1), Mulciber_84 (A11), Munch_86 (A11), NaSiaTalie_85 (A2), Nagem_59 (EA1), Nattles_58 (EA1), NickSell_59 (EA1), NicoleTera_82 (A2), NoodlelyBoi_7 (EC), Oats_58 (EA1), Odin_83 (A2), OldNelly_59 (EA1), Onika_7 (EC), Orange_86 (A11), Oxtober96_60 (EA1), PSirce_56 (EA2), Paedore_70 (BD2), Papafritta_58 (EA1), ParleG_59 (EA1), Paschalis_7 (EC), Peep_59 (EA1), Penta_51 (EA11), Peppino_58 (EA1), Petersenfast_80 (A11), Ph8s_85 (A2), Phanita_57 (EA2), PhedwardCullen_7 (EC), Pherbot_51 (EA4), Pherferi_59 (EA1), Phiderman_59 (EA1), PhillyPhantom_58 (EA1), Phireproof_59 (EA1), Phorgeous_7 (EC), Phrancesco_8 (EC), PhredFlintston_59 (EA1), Phriends_58 (EA1), PierreOrion_7 (EC), PiperSansNom_8 (EC), Piperis_7 (EC), Piro94_83 (A2), Pocket_58 (EA1), Power_84 (A2), PrincePhergus_51 (EA4), Prudy_79 (A2), Pulchra_8 (EC), PuppyEggo_59 (EA1), QueenB2_81 (A2), QueenBeesly_84 (A2), Quhwah_8 (EC), Quokka_86 (A2), Raccoon_58 (EA1), Rachaly_81 (A2), Ramiel05_7 (EC), Rapheph_59 (EA1), Raptor_59 (EA1), RedRock_84 (A2), Redfield_58 (EA1), Refuge_86 (A12), RenegadeRaider_53 (EA4), Renzie_59 (EA1), Retro23_84 (A2), Riyhil_59 (EA1), Robinson_59 (EA1), RobsFeet_6 (EC), Rockwell_7 (EC), Rog141_58 (EA1), RosieMae_58 (EA1), SJay_59 (EA1), Salz_81 (A11), Sansa_54 (EA2), Saratos_56 (EA2), Saskia_83 (A11), Savannah_7 (EC), Schimmels22_51 (EA11), Schnapsidee_58 (EA1), Scissor2024_52 (EA11), Scumberland_8 (EC), Sedgewig_58 (EA1), Selwyn23_8 (EC), SemperFi_84 (A2), Serenity_87 (A2), ShaiHulud_59 (EA1), Sham4_82 (A11), Shamu_56 (EA2), Shee_59 (EA1), Shotgun_7 (EC), Shrubaron_5 (EC), Sinatra_52 (EA4), SirFrank_7 (EC), SirVictor_53 (EA4), Sknot_84 (A2), Skugga_5 (EC), Smarties_11 (EC), Smeagan_87 (A2), SnapTap_84 (A2), Snape_86 (A11), SoilGremlin_59 (EA1), SolidSnake_60 (EA1), SonOfLevi_59 (EA1), Soror1_57 (EA1), SqueakyClean_66 (BD2), Stanktossa_58 (EA1), Steamy_83 (A12), StingRay_58 (EA1), StirfryIV_58 (EA1), Stormbreaker8_57 (EA1), Strathdee_59 (EA1), Superchunk_84 (A2), Superfresh_59 (EA1), SweetiePie_84 (A2), Sweetums_62 (GF), SwirlSquare_87 (A2), Symere_58 (EA1), TarsusIV_83 (A2), TatarkaPM_59 (EA1),

Teagan_59 (EA1), Teamocil_5 (EC), TeddyBear_58 (EA1), Tenda_58 (EA1), Teng_66 (GF), Terrific_85 (A2), Thestral_68 (BD2), Thompsone_59 (EA1), Thorongil_59 (EA1), Timothy_86 (A11), TinSulphur_60 (EA1), TinyTimmy_84 (A11), Tinyman4_51 (EA11), TipsytheTRex_83 (A2), Trooper_83 (A2), Turbido_85 (A2), Tyrumbra_5 (EC), Updawg_85 (A2), VA6_84 (A2), Velene_59 (EA1), Vispistious_59 (EA1), WeiHuaDA_86 (A2), WestPM_51 (EA11), Whabigail7_84 (A2), WideWale_85 (A2), WildNOut_59 (EA1), Winzigespinne_58 (EA1), Wolpertinger_85 (A11), Xebius_56 (EA2), XianYue_83 (A2), Yeti_7 (EC), Zada_60 (EA1), Zapato_5 (EC), Zenitsu_56 (EA2), Zimmer_85 (A12),

Start 53:
• Found in 158 of 559 (28.3%) of genes in pham
• Manual Annotations of this start: 130 of 479
• Called 99.4% of time when present
• Phage (with cluster) where this start called: AN9_83 (A2), ANI8_83 (A2), Aglet_85 (A3), Aliter_81 (A9), Alma_86 (A9), Anthony_78 (A20), Anubis_88 (A3), Arissanae_83 (A9), Ayanochan_86 (A9), BabyBack_79 (A2), Beauxregard13_83 (A3), Beemo_88 (A9), Bellris_85 (A9), Benvolio_83 (A2), BiancaTri92_82 (A2), Bigflo_81 (A3), BobSwaget_78 (A2), BogosyJay_87 (A9), BreSam8_84 (A3), BuzzBuzz_78 (A3), Bxz2_79 (A3), C3_76 (A2), Calvinny_81 (A3), Catalina_90 (A9), Celestialunch_83 (A9), Chargerpower_84 (A22), Charm_83 (A9), ClownCar_81 (A3), CogOmlette_85 (A9), Colbster_80 (A3), Conquerage_86 (A9), Croquant_81 (A3), Cullens_85 (A3), DBQu4n_84 (A2), DaHudson_83 (A3), Daishi_83 (A3), Darrell_86 (A9), Dieselweasel_85 (A3), DreamTeam1_83 (A9), Duplo_85 (A2), EagleEye_84 (A16), Echild_87 (A2), EdogawaKiddo_87 (A9), Eidsmoe_86 (A9), Elephantoon_88 (A9), EmyBug_85 (A9), EpicPhail_85 (A3), ExplosioNervosa_86 (A9), FatCactus_76 (A20), Fayely_86 (A9), Fernando_85 (A3), GaugeLDP_78 (A2), Gemma_81 (A3), GingkoMaracino_84 (A3), Grif_82 (A3), Groupthink_84 (A3), Grub_82 (A3), Grum1_84 (A3), GtownJaz_84 (A3), Gwennie_79 (A3), Hanray_86 (A9), HashRod_85 (A3), HaveUMetTed_84 (A3), Heliosoles_81 (A3), Hercules11_84 (A3), HippoHollow_81 (A2), Holex_87 (A9), HortumSL17_89 (A9), JHC117_79 (A3), JenCasNa_85 (A3), JeppNRM_84 (A3), Jiawan_86 (A9), Jobu08_80 (A3), KADY_81 (A3), Kalb97_84 (A3), Kalnoky_84 (A3), Kerberos_84 (A2), Keziacharles14_85 (A9), Klodlith_84 (A9), LBerry_85 (A3), LarryKay_84 (A3), Lilith_82 (A3), Lilleskat_85 (A9), LionsBait_83 (A2), LoneWolf_88 (A9), Louie6_83 (A3), Lowa_81 (A3), Lucyedi_83 (A16), LugYA_87 (A3), MadMarie_82 (A3), Mainiac_83 (A3), Malinsilva_87 (A3), Maminiaina_87 (A9), Manu_83 (A3), MarQuardt_84 (A3), Marie_82 (A3), Marius_84 (A3), MegTheThird_84 (A9), Methuselah_77 (A3), Microwolf_80 (A3), Miko_79 (A2), Minispark_85 (A9), MoneyMay_84 (A3), Montavir_79 (A3), Mufasa8_99 (FG), Myxus_88 (A9), NothingSpecial_79 (A2), OlanP_82 (A3), Ollie_84 (A3), Onglai_86 (A9), P28Green_84 (A3), PGHhamlin_86 (A3), PainterBoy_83 (A16), Pawn_82 (A3), Pembroke_84 (A3), Penny1_84 (A3), Phaeder_88 (A9), PhishRPhriends_80 (A3), Phoebe_85 (A3), Phonnegut_88 (A9), Pioneer_88 (A9), Pomar16_84 (A2), PotatoSplit_85 (A3), Priya_86 (A9), Qobbit_86 (A9), Rahalelujah_87 (A9), Reba_79 (A3), Rummer_83 (A3), RyeScarlet_89 (A9), Sabia_82 (A3), Sabinator_82 (A3), Sachima_84 (A9), Scherzo_86 (A9), SheaKeira_83 (A9), Snickers_84 (A3), SoYo_81 (A3), Soshari_86 (A3), Spike509_84 (A3), Spouty_86 (A9), Stagni_81 (A3), StarStuff_84 (A2), StepMih_84 (A3), Taurus_85 (A3), Tiffany_83 (A3), TinyPebbles_83 (A3), Toaka_86 (A9), Tomathan_84 (A2), Travvers_84 (A2), Tubs_88 (A9), Ugenie5_75 (A9), VC3_82 (A2), Vanisoa_83 (A9), Vix_80 (A3), Watson_83 (A3), Wooldri_86 (A3), WorldCup_86 (A9), Yecey3_89 (A9),

Start 54:

• Found in 1 of 559 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_49 (DA),

Start 55:
• Found in 1 of 559 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 40AC_79 (A17),

Start 57:
• Found in 1 of 559 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Settecandela_184 (AA),

Start 68:
• Found in 87 of 559 (15.6%) of genes in pham
• Manual Annotations of this start: 1 of 479
• Called 1.1% of time when present
• Phage (with cluster) where this start called: Phoxy_84 (A3),

Start 70:
• Found in 415 of 559 (74.2%) of genes in pham
• Manual Annotations of this start: 2 of 479
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 73:
• Found in 206 of 559 (36.9%) of genes in pham
• Manual Annotations of this start: 2 of 479
• Called 1.0% of time when present
• Phage (with cluster) where this start called: AugsMagnumOpus_87 (A3), MuchMore_87 (A3),

Summary by clusters:

There are 28 clusters represented in this pham: DA, DZ, FG, FJ, A15, A17, A16, A11, A12, A3, A2, BD2, A9, AA, KA, EC, EA9, GF, EA1, EA11, EA2, EA4, EA6, A20, A22, CR6, EA10, EA8,

Info for manual annotations of cluster A11:
•Start number 52 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 52 was manually annotated 4 times for cluster A12.

Info for manual annotations of cluster A15:
•Start number 32 was manually annotated 1 time for cluster A15.
•Start number 51 was manually annotated 6 times for cluster A15.

Info for manual annotations of cluster A16:

•Start number 53 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:
•Start number 49 was manually annotated 3 times for cluster A2.
•Start number 52 was manually annotated 68 times for cluster A2.
•Start number 53 was manually annotated 18 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 53 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:
•Start number 53 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 40 was manually annotated 1 time for cluster A3.
•Start number 53 was manually annotated 72 times for cluster A3.
•Start number 68 was manually annotated 1 time for cluster A3.
•Start number 73 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A9:
•Start number 53 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AA:
•Start number 57 was manually annotated 1 time for cluster AA.

Info for manual annotations of cluster BD2:
•Start number 26 was manually annotated 2 times for cluster BD2.
•Start number 35 was manually annotated 1 time for cluster BD2.
•Start number 52 was manually annotated 9 times for cluster BD2.

Info for manual annotations of cluster CR6:
•Start number 19 was manually annotated 1 time for cluster CR6.
•Start number 44 was manually annotated 5 times for cluster CR6.

Info for manual annotations of cluster DA:
•Start number 48 was manually annotated 3 times for cluster DA.
•Start number 54 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DZ:
•Start number 51 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EA1:
•Start number 52 was manually annotated 126 times for cluster EA1.

Info for manual annotations of cluster EA10:
•Start number 36 was manually annotated 1 time for cluster EA10.
•Start number 52 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA11:
•Start number 52 was manually annotated 5 times for cluster EA11.

Info for manual annotations of cluster EA2:

•Start number 52 was manually annotated 13 times for cluster EA2.

Info for manual annotations of cluster EA4:
•Start number 52 was manually annotated 11 times for cluster EA4.

Info for manual annotations of cluster EA6:
•Start number 52 was manually annotated 2 times for cluster EA6.

Info for manual annotations of cluster EA8:
•Start number 31 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:
•Start number 52 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster EC:
•Start number 52 was manually annotated 43 times for cluster EC.
•Start number 70 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster FG:
•Start number 53 was manually annotated 1 time for cluster FG.

Info for manual annotations of cluster GF:
•Start number 33 was manually annotated 1 time for cluster GF.
•Start number 52 was manually annotated 2 times for cluster GF.

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

Gene Information:

Gene: 20ES_86 Start: 48476, Stop: 47718, Start Num: 52
Candidate Starts for 20ES_86:
(Start: 52 @48476 has 311 MA's), (59, 48455), (61, 48443), (64, 48413), (Start: 70 @48362 has 2 MA's), (Start: 73 @48341 has 2 MA's), (80, 48305), (81, 48296), (96, 48236), (127, 48152), (131, 48143), (143, 48089), (154, 48053), (169, 48005), (192, 47906), (198, 47879), (210, 47831), (231, 47741),

Gene: 40AC_79 Start: 47860, Stop: 47102, Start Num: 55
Candidate Starts for 40AC_79:
(55, 47860), (59, 47839), (61, 47827), (Start: 73 @47725 has 2 MA's), (79, 47695), (96, 47620), (107, 47578), (143, 47473), (159, 47422), (197, 47263), (198, 47260), (205, 47227), (231, 47125),

Gene: AN3_84 Start: 46734, Stop: 45979, Start Num: 52
Candidate Starts for AN3_84:
(Start: 52 @46734 has 311 MA's), (59, 46713), (64, 46671), (Start: 70 @46620 has 2 MA's), (Start: 73 @46599 has 2 MA's), (80, 46563), (81, 46554), (89, 46524), (96, 46494), (131, 46401), (143, 46347), (154, 46311), (156, 46308), (169, 46263), (192, 46164), (198, 46137), (210, 46089), (231, 45999),

Gene: AN9_83 Start: 46905, Stop: 46132, Start Num: 53
Candidate Starts for AN9_83:

(Start: 53 @46905 has 130 MA's), (59, 46881), (64, 46839), (67, 46815), (Start: 73 @46767 has 2 MA's), (79, 46737), (80, 46731), (97, 46659), (105, 46635), (107, 46620), (114, 46608), (143, 46506), (148, 46485), (198, 46293), (231, 46155),

Gene: ANI8_83 Start: 46905, Stop: 46132, Start Num: 53
Candidate Starts for ANI8_83:
(Start: 53 @46905 has 130 MA's), (59, 46881), (64, 46839), (67, 46815), (Start: 73 @46767 has 2 MA's), (79, 46737), (80, 46731), (97, 46659), (105, 46635), (107, 46620), (114, 46608), (143, 46506), (148, 46485), (198, 46293), (231, 46155),

Gene: AbbyPaige_86 Start: 48733, Stop: 47978, Start Num: 52
Candidate Starts for AbbyPaige_86:
(Start: 52 @48733 has 311 MA's), (59, 48712), (64, 48670), (67, 48646), (Start: 73 @48598 has 2 MA's), (87, 48529), (96, 48493), (124, 48415), (143, 48346), (148, 48325), (197, 48139), (198, 48136), (231, 47998),

Gene: Acolyte_78 Start: 47431, Stop: 46673, Start Num: 52
Candidate Starts for Acolyte_78:
(Start: 52 @47431 has 311 MA's), (59, 47407), (64, 47365), (67, 47341), (Start: 73 @47293 has 2 MA's), (79, 47263), (96, 47188), (103, 47167), (127, 47107), (131, 47098), (143, 47044), (154, 47008), (169, 46960), (197, 46837), (198, 46834), (231, 46696),

Gene: Acosta_60 Start: 39620, Stop: 38892, Start Num: 52
Candidate Starts for Acosta_60:
(27, 39701), (Start: 52 @39620 has 311 MA's), (Start: 70 @39521 has 2 MA's), (97, 39395), (113, 39353), (140, 39290), (153, 39245), (158, 39236), (177, 39155), (203, 39032), (220, 38966),

Gene: Adzzy_85 Start: 47246, Stop: 46503, Start Num: 52
Candidate Starts for Adzzy_85:
(13, 47456), (Start: 52 @47246 has 311 MA's), (59, 47228), (64, 47186), (Start: 70 @47135 has 2 MA's), (Start: 73 @47114 has 2 MA's), (88, 47042), (96, 47009), (110, 46961), (131, 46916), (138, 46889), (143, 46862), (197, 46667), (214, 46595), (231, 46526),

Gene: Agape74_86 Start: 48709, Stop: 47954, Start Num: 52
Candidate Starts for Agape74_86:
(Start: 52 @48709 has 311 MA's), (59, 48688), (64, 48646), (67, 48622), (Start: 73 @48574 has 2 MA's), (87, 48505), (96, 48469), (124, 48391), (143, 48322), (148, 48301), (197, 48115), (198, 48112), (231, 47974),

Gene: Agente005_58 Start: 39399, Stop: 38668, Start Num: 52
Candidate Starts for Agente005_58:
(Start: 52 @39399 has 311 MA's), (Start: 70 @39300 has 2 MA's), (86, 39216), (94, 39183), (97, 39174), (113, 39132), (140, 39066), (153, 39021), (158, 39012), (203, 38808),

Gene: Aglet_85 Start: 47041, Stop: 46274, Start Num: 53
Candidate Starts for Aglet_85:
(Start: 40 @47074 has 1 MA's), (Start: 53 @47041 has 130 MA's), (59, 47020), (65, 46975), (67, 46954), (Start: 68 @46948 has 1 MA's), (Start: 73 @46906 has 2 MA's), (79, 46876), (81, 46861), (107, 46759), (109, 46756), (122, 46720), (143, 46648), (148, 46627), (184, 46498), (191, 46465), (197, 46438),

Gene: Aleemily_151 Start: 79896, Stop: 79123, Start Num: 51
Candidate Starts for Aleemily_151:

(Start: 51 @79896 has 10 MA's), (64, 79830), (67, 79806), (69, 79782), (77, 79743), (85, 79698), (92, 79668), (102, 79638), (105, 79629), (112, 79605), (126, 79578), (135, 79551), (143, 79512), (170, 79413), (173, 79392), (193, 79320), (194, 79314), (222, 79197), (229, 79158), (235, 79134),

Gene: AlexAdler_59 Start: 39579, Stop: 38848, Start Num: 52
Candidate Starts for AlexAdler_59:
(Start: 52 @39579 has 311 MA's), (Start: 70 @39477 has 2 MA's), (94, 39360), (113, 39309), (140, 39246), (153, 39201), (158, 39192), (177, 39111), (192, 39054), (203, 38988), (230, 38877),

Gene: Aliter_81 Start: 45863, Stop: 45102, Start Num: 53
Candidate Starts for Aliter_81:
(Start: 53 @45863 has 130 MA's), (64, 45803), (Start: 70 @45752 has 2 MA's), (74, 45725), (84, 45671), (96, 45623), (102, 45605), (107, 45581), (131, 45530), (138, 45503), (143, 45476), (197, 45263), (198, 45260), (205, 45227), (231, 45125),

Gene: Alma_86 Start: 48703, Stop: 47942, Start Num: 53
Candidate Starts for Alma_86:
(21, 48829), (Start: 53 @48703 has 130 MA's), (64, 48643), (67, 48619), (Start: 70 @48592 has 2 MA's), (74, 48565), (84, 48511), (96, 48463), (102, 48445), (107, 48421), (131, 48370), (138, 48343), (143, 48316), (197, 48103), (198, 48100), (205, 48067), (231, 47965),

Gene: Alvy_70 Start: 45833, Stop: 45003, Start Num: 26
Candidate Starts for Alvy_70:
(15, 45899), (Start: 26 @45833 has 2 MA's), (28, 45827), (Start: 35 @45791 has 1 MA's), (Start: 52 @45734 has 311 MA's), (56, 45728), (Start: 70 @45623 has 2 MA's), (74, 45596), (144, 45380), (158, 45341), (162, 45323), (173, 45284), (180, 45263),

Gene: Alyxandracam_59 Start: 39516, Stop: 38785, Start Num: 52
Candidate Starts for Alyxandracam_59:
(Start: 52 @39516 has 311 MA's), (Start: 70 @39414 has 2 MA's), (94, 39297), (113, 39246), (140, 39183), (153, 39138), (158, 39129), (177, 39048), (192, 38991), (199, 38955), (203, 38925), (230, 38814),

Gene: Andromedas_56 Start: 37751, Stop: 37026, Start Num: 52
Candidate Starts for Andromedas_56:
(Start: 52 @37751 has 311 MA's), (Start: 70 @37649 has 2 MA's), (94, 37541), (129, 37454), (140, 37424), (150, 37388), (155, 37376), (177, 37289), (192, 37232),

Gene: Aneem_87 Start: 47779, Stop: 47021, Start Num: 52
Candidate Starts for Aneem_87:
(Start: 52 @47779 has 311 MA's), (59, 47755), (64, 47713), (Start: 70 @47662 has 2 MA's), (Start: 73 @47641 has 2 MA's), (75, 47632), (79, 47611), (80, 47605), (81, 47596), (105, 47509), (107, 47494), (131, 47446), (138, 47419), (143, 47392), (221, 47089), (231, 47044),

Gene: Anilorac_58 Start: 39306, Stop: 38575, Start Num: 52
Candidate Starts for Anilorac_58:
(Start: 52 @39306 has 311 MA's), (Start: 70 @39207 has 2 MA's), (86, 39123), (94, 39090), (97, 39081), (113, 39039), (140, 38973), (153, 38928), (158, 38919), (203, 38715),

Gene: Animus_65 Start: 44661, Stop: 43927, Start Num: 52
Candidate Starts for Animus_65:
(Start: 52 @44661 has 311 MA's), (Start: 70 @44547 has 2 MA's), (115, 44394), (158, 44265), (173, 44208), (179, 44190), (180, 44187), (199, 44100),

Gene: AnnaL29_86 Start: 48866, Stop: 48111, Start Num: 52
Candidate Starts for AnnaL29_86:
(Start: 52 @48866 has 311 MA's), (59, 48845), (64, 48803), (67, 48779), (Start: 70 @48752 has 2 MA's), (Start: 73 @48731 has 2 MA's), (80, 48695), (81, 48686), (89, 48656), (96, 48626), (127, 48542), (131, 48533), (143, 48479), (154, 48443), (169, 48395), (198, 48269), (231, 48131),

Gene: Anselm_85 Start: 48617, Stop: 47859, Start Num: 52
Candidate Starts for Anselm_85:
(Start: 52 @48617 has 311 MA's), (59, 48596), (64, 48554), (67, 48530), (Start: 70 @48503 has 2 MA's), (Start: 73 @48482 has 2 MA's), (80, 48446), (88, 48410), (96, 48377), (127, 48293), (131, 48284), (143, 48230), (154, 48194), (169, 48146), (192, 48047), (197, 48023), (198, 48020), (231, 47882),

Gene: Antares_8 Start: 3682, Stop: 4422, Start Num: 52
Candidate Starts for Antares_8:
(Start: 52 @3682 has 311 MA's), (62, 3715), (Start: 70 @3784 has 2 MA's), (72, 3796), (74, 3811), (90, 3886), (94, 3901), (150, 4045), (158, 4063), (171, 4129), (182, 4165), (198, 4237), (202, 4261), (203, 4273), (230, 4384),

Gene: Anthony_78 Start: 46673, Stop: 45921, Start Num: 53
Candidate Starts for Anthony_78:
(42, 46715), (Start: 53 @46673 has 130 MA's), (59, 46652), (64, 46610), (67, 46586), (79, 46508), (95, 46436), (101, 46418), (122, 46361), (127, 46355), (131, 46346), (136, 46325), (143, 46292), (145, 46289), (192, 46106), (205, 46046),

Gene: Antoinette_59 Start: 39604, Stop: 38873, Start Num: 52
Candidate Starts for Antoinette_59:
(Start: 52 @39604 has 311 MA's), (Start: 70 @39502 has 2 MA's), (94, 39385), (113, 39334), (140, 39271), (153, 39226), (158, 39217), (177, 39136), (192, 39079), (203, 39013), (230, 38902),

Gene: Anubis_88 Start: 46927, Stop: 46160, Start Num: 53
Candidate Starts for Anubis_88:
(38, 46972), (Start: 53 @46927 has 130 MA's), (59, 46906), (65, 46861), (67, 46840), (Start: 68 @46834 has 1 MA's), (Start: 73 @46792 has 2 MA's), (79, 46762), (81, 46747), (107, 46645), (109, 46642), (122, 46606), (143, 46534), (148, 46513), (184, 46384), (191, 46351), (197, 46324),

Gene: Apiary_4 Start: 2670, Stop: 3488, Start Num: 44
Candidate Starts for Apiary_4:
(Start: 19 @2547 has 1 MA's), (Start: 44 @2670 has 5 MA's), (63, 2730), (89, 2889), (104, 2946), (105, 2958), (115, 2991), (117, 3000), (120, 3012), (122, 3024), (124, 3027), (153, 3126), (198, 3306),

Gene: AranulaLuti_58 Start: 39296, Stop: 38565, Start Num: 52
Candidate Starts for AranulaLuti_58:
(Start: 52 @39296 has 311 MA's), (Start: 70 @39194 has 2 MA's), (94, 39077), (113, 39026), (140, 38963), (153, 38918), (158, 38909), (177, 38828), (192, 38771), (203, 38705), (230, 38594),

Gene: ArcherNM_79 Start: 48007, Stop: 47249, Start Num: 52
Candidate Starts for ArcherNM_79:
(7, 48298), (11, 48220), (Start: 52 @48007 has 311 MA's), (59, 47986), (61, 47974), (67, 47920), (Start: 70 @47893 has 2 MA's), (79, 47842), (80, 47836), (96, 47767), (107, 47725), (116, 47707), (143, 47620), (148, 47599), (155, 47581), (197, 47410), (198, 47407), (205, 47374), (231, 47272),

Gene: Archimedes_49 Start: 39781, Stop: 40470, Start Num: 54
Candidate Starts for Archimedes_49:
(Start: 35 @39721 has 1 MA's), (47, 39766), (Start: 54 @39781 has 1 MA's), (60, 39805), (64, 39844), (75, 39925), (82, 39964), (89, 39994), (93, 40015), (107, 40066), (131, 40102), (143, 40156), (176, 40240), (184, 40264), (187, 40276), (207, 40357), (221, 40411), (225, 40429), (232, 40465),

Gene: Ariadne_11 Start: 4460, Stop: 5197, Start Num: 52
Candidate Starts for Ariadne_11:
(Start: 52 @4460 has 311 MA's), (62, 4493), (Start: 70 @4562 has 2 MA's), (72, 4574), (74, 4589), (90, 4664), (94, 4679), (111, 4727), (140, 4787), (150, 4823), (171, 4907), (198, 5015), (203, 5051), (206, 5060), (230, 5162),

Gene: Arissanae_83 Start: 48580, Stop: 47822, Start Num: 53
Candidate Starts for Arissanae_83:
(Start: 53 @48580 has 130 MA's), (59, 48562), (69, 48472), (Start: 70 @48469 has 2 MA's), (74, 48442), (91, 48358), (96, 48343), (102, 48325), (107, 48301), (131, 48250), (138, 48223), (143, 48196), (147, 48184), (148, 48175), (159, 48145), (198, 47980), (205, 47947), (231, 47845),

Gene: Asta_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for Asta_58:
(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: Aubergine_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for Aubergine_58:
(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: AugsMagnumOpus_87 Start: 46894, Stop: 46262, Start Num: 73
Candidate Starts for AugsMagnumOpus_87:
(Start: 73 @46894 has 2 MA's), (79, 46864), (81, 46849), (107, 46747), (109, 46744), (122, 46708), (143, 46636), (148, 46615), (184, 46486), (191, 46453), (197, 46426),

Gene: AxiPup_59 Start: 39515, Stop: 38784, Start Num: 52
Candidate Starts for AxiPup_59:
(Start: 52 @39515 has 311 MA's), (Start: 70 @39413 has 2 MA's), (94, 39296), (113, 39245), (140, 39182), (153, 39137), (158, 39128), (177, 39047), (192, 38990), (199, 38954), (203, 38924), (230, 38813),

Gene: Ayanochan_86 Start: 48486, Stop: 47725, Start Num: 53
Candidate Starts for Ayanochan_86:
(Start: 53 @48486 has 130 MA's), (64, 48426), (Start: 70 @48375 has 2 MA's), (74, 48348), (84, 48294), (96, 48246), (102, 48228), (107, 48204), (131, 48153), (138, 48126), (139, 48123), (143, 48099), (197, 47886), (198, 47883), (205, 47850), (231, 47748),

Gene: BabyBack_79 Start: 47854, Stop: 47102, Start Num: 53
Candidate Starts for BabyBack_79:
(Start: 53 @47854 has 130 MA's), (59, 47833), (64, 47791), (67, 47767), (Start: 73 @47719 has 2 MA's), (79, 47689), (80, 47683), (95, 47617), (127, 47536), (143, 47473), (147, 47461), (148, 47452), (197, 47266), (198, 47263), (212, 47203), (231, 47125),

Gene: Bachome_84 Start: 46659, Stop: 45901, Start Num: 52
Candidate Starts for Bachome_84:
(Start: 52 @46659 has 311 MA's), (59, 46635), (64, 46593), (Start: 70 @46542 has 2 MA's), (Start: 73 @46521 has 2 MA's), (75, 46512), (79, 46491), (80, 46485), (81, 46476), (105, 46389), (107, 46374), (131, 46326), (138, 46299), (143, 46272), (221, 45969), (231, 45924),

Gene: Baehexic_83 Start: 48100, Stop: 47342, Start Num: 52
Candidate Starts for Baehexic_83:
(Start: 52 @48100 has 311 MA's), (59, 48079), (64, 48037), (67, 48013), (Start: 70 @47986 has 2 MA's), (Start: 73 @47965 has 2 MA's), (80, 47929), (81, 47920), (89, 47890), (96, 47860), (127, 47776), (131, 47767), (143, 47713), (154, 47677), (169, 47629), (192, 47530), (197, 47506), (198, 47503), (231, 47365),

Gene: Baines_58 Start: 39300, Stop: 38569, Start Num: 52
Candidate Starts for Baines_58:
(Start: 52 @39300 has 311 MA's), (Start: 70 @39198 has 2 MA's), (94, 39081), (113, 39030), (140, 38967), (153, 38922), (158, 38913), (177, 38832), (192, 38775), (203, 38709), (230, 38598),

Gene: Balsa_57 Start: 39430, Stop: 38699, Start Num: 52
Candidate Starts for Balsa_57:
(Start: 52 @39430 has 311 MA's), (69, 39331), (Start: 70 @39328 has 2 MA's), (94, 39211), (113, 39160), (153, 39052), (158, 39043), (177, 38962), (192, 38905), (199, 38869), (203, 38839), (216, 38791), (230, 38728),

Gene: Bandik_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Bandik_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: BartholomewSD_70 Start: 44853, Stop: 44122, Start Num: 52
Candidate Starts for BartholomewSD_70:
(15, 45018), (Start: 26 @44952 has 2 MA's), (28, 44946), (Start: 35 @44910 has 1 MA's), (Start: 52 @44853 has 311 MA's), (56, 44847), (Start: 70 @44742 has 2 MA's), (74, 44715), (144, 44499), (158, 44460), (162, 44442), (173, 44403), (180, 44382),

Gene: BeagleBug_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for BeagleBug_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: BeautPeep30_59 Start: 39554, Stop: 38823, Start Num: 52
Candidate Starts for BeautPeep30_59:
(Start: 52 @39554 has 311 MA's), (Start: 70 @39452 has 2 MA's), (94, 39335), (113, 39284), (140, 39221), (153, 39176), (158, 39167), (177, 39086), (192, 39029), (203, 38963), (230, 38852),

Gene: Beauxregard13_83 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for Beauxregard13_83:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: BeeBee8_59 Start: 39604, Stop: 38873, Start Num: 52

Candidate Starts for BeeBee8_59:
(Start: 52 @39604 has 311 MA's), (69, 39505), (Start: 70 @39502 has 2 MA's), (94, 39385), (113, 39334), (153, 39226), (158, 39217), (177, 39136), (192, 39079), (199, 39043), (203, 39013), (216, 38965), (230, 38902),

Gene: Beemo_88 Start: 48697, Stop: 47936, Start Num: 53
Candidate Starts for Beemo_88:
(21, 48823), (Start: 53 @48697 has 130 MA's), (64, 48637), (67, 48613), (Start: 70 @48586 has 2 MA's), (74, 48559), (84, 48505), (96, 48457), (102, 48439), (107, 48415), (131, 48364), (138, 48337), (143, 48310), (197, 48097), (198, 48094), (205, 48061), (231, 47959),

Gene: Bellris_85 Start: 48215, Stop: 47454, Start Num: 53
Candidate Starts for Bellris_85:
(Start: 53 @48215 has 130 MA's), (64, 48155), (67, 48131), (Start: 70 @48104 has 2 MA's), (74, 48077), (84, 48023), (96, 47975), (107, 47933), (131, 47882), (138, 47855), (143, 47828), (148, 47807), (159, 47777), (198, 47612), (231, 47477),

Gene: BengiVuitton_86 Start: 48581, Stop: 47823, Start Num: 52
Candidate Starts for BengiVuitton_86:
(Start: 52 @48581 has 311 MA's), (59, 48560), (64, 48518), (Start: 70 @48467 has 2 MA's), (Start: 73 @48446 has 2 MA's), (80, 48410), (81, 48401), (89, 48371), (96, 48341), (131, 48248), (143, 48194), (154, 48158), (169, 48110), (192, 48011), (198, 47984), (210, 47936), (231, 47846),

Gene: Benjalauren_59 Start: 39307, Stop: 38576, Start Num: 52
Candidate Starts for Benjalauren_59:
(Start: 52 @39307 has 311 MA's), (Start: 70 @39205 has 2 MA's), (94, 39088), (113, 39037), (140, 38974), (153, 38929), (158, 38920), (177, 38839), (192, 38782), (199, 38746), (203, 38716), (230, 38605),

Gene: Benvolio_83 Start: 48347, Stop: 47592, Start Num: 53
Candidate Starts for Benvolio_83:
(Start: 53 @48347 has 130 MA's), (59, 48326), (64, 48284), (67, 48260), (Start: 73 @48212 has 2 MA's), (75, 48203), (79, 48182), (80, 48176), (107, 48065), (127, 48023), (143, 47960), (148, 47939), (197, 47753), (198, 47750), (212, 47690), (231, 47612),

Gene: BiancaTri92_82 Start: 48189, Stop: 47455, Start Num: 53
Candidate Starts for BiancaTri92_82:
(16, 48357), (Start: 53 @48189 has 130 MA's), (64, 48132), (Start: 70 @48081 has 2 MA's), (101, 47940), (103, 47934), (122, 47892), (143, 47820), (184, 47673), (197, 47613), (198, 47610), (214, 47541),

Gene: BigRedClifford_59 Start: 39542, Stop: 38811, Start Num: 52
Candidate Starts for BigRedClifford_59:
(Start: 52 @39542 has 311 MA's), (Start: 70 @39440 has 2 MA's), (94, 39323), (113, 39272), (140, 39209), (153, 39164), (158, 39155), (177, 39074), (192, 39017), (203, 38951), (230, 38840),

Gene: Bigflo_81 Start: 47040, Stop: 46273, Start Num: 53
Candidate Starts for Bigflo_81:
(Start: 40 @47073 has 1 MA's), (Start: 53 @47040 has 130 MA's), (59, 47019), (65, 46974), (67, 46953), (Start: 68 @46947 has 1 MA's), (Start: 73 @46905 has 2 MA's), (79, 46875), (81, 46860), (107, 46758), (109, 46755), (122, 46719), (143, 46647), (148, 46626), (184, 46497), (191, 46464), (197, 46437),

Gene: Blage_59 Start: 39542, Stop: 38811, Start Num: 52
Candidate Starts for Blage_59:
(Start: 52 @39542 has 311 MA's), (Start: 70 @39440 has 2 MA's), (94, 39323), (113, 39272), (140, 39209), (153, 39164), (158, 39155), (177, 39074), (192, 39017), (203, 38951), (230, 38840),

Gene: BobSwaget_78 Start: 46119, Stop: 45361, Start Num: 53
Candidate Starts for BobSwaget_78:
(Start: 53 @46119 has 130 MA's), (59, 46098), (61, 46086), (Start: 70 @46005 has 2 MA's), (96, 45879), (103, 45858), (107, 45837), (127, 45795), (143, 45732), (184, 45582), (198, 45519), (231, 45384),

Gene: BogosyJay_87 Start: 48744, Stop: 47986, Start Num: 53
Candidate Starts for BogosyJay_87:
(Start: 53 @48744 has 130 MA's), (59, 48726), (69, 48636), (Start: 70 @48633 has 2 MA's), (74, 48606), (84, 48555), (96, 48507), (102, 48489), (107, 48465), (131, 48414), (138, 48387), (143, 48360), (147, 48348), (159, 48309), (198, 48144), (205, 48111), (231, 48009),

Gene: BonesMcCoy_59 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for BonesMcCoy_59:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: Bonino_58 Start: 39280, Stop: 38549, Start Num: 52
Candidate Starts for Bonino_58:
(Start: 52 @39280 has 311 MA's), (Start: 70 @39178 has 2 MA's), (94, 39061), (113, 39010), (140, 38947), (153, 38902), (158, 38893), (177, 38812), (192, 38755), (199, 38719), (203, 38689), (230, 38578),

Gene: BouleyBill_50 Start: 36149, Stop: 35412, Start Num: 52
Candidate Starts for BouleyBill_50:
(Start: 52 @36149 has 311 MA's), (Start: 70 @36038 has 2 MA's), (87, 35951), (94, 35921), (128, 35843), (140, 35810), (150, 35774), (177, 35675), (178, 35672), (191, 35621), (198, 35588), (202, 35564), (206, 35543),

Gene: Bowden_66 Start: 45374, Stop: 44640, Start Num: 52
Candidate Starts for Bowden_66:
(Start: 26 @45473 has 2 MA's), (28, 45467), (Start: 35 @45431 has 1 MA's), (Start: 52 @45374 has 311 MA's), (58, 45365), (Start: 70 @45260 has 2 MA's), (74, 45233), (144, 45017), (158, 44978), (162, 44960), (173, 44921), (180, 44900),

Gene: Bowtie_83 Start: 46386, Stop: 45628, Start Num: 52
Candidate Starts for Bowtie_83:
(Start: 52 @46386 has 311 MA's), (59, 46362), (64, 46320), (Start: 70 @46269 has 2 MA's), (Start: 73 @46248 has 2 MA's), (75, 46239), (79, 46218), (80, 46212), (81, 46203), (105, 46116), (107, 46101), (131, 46053), (138, 46026), (143, 45999), (221, 45696), (231, 45651),

Gene: Bradman_87 Start: 47575, Stop: 46814, Start Num: 52
Candidate Starts for Bradman_87:
(Start: 52 @47575 has 311 MA's), (59, 47551), (64, 47509), (Start: 73 @47437 has 2 MA's), (79, 47407), (80, 47401), (96, 47332), (107, 47290), (131, 47242), (143, 47188), (168, 47104), (184, 47038), (197, 46978), (198, 46975), (221, 46882), (231, 46837),

Gene: Braxoaddie_4 Start: 2547, Stop: 3488, Start Num: 19

Candidate Starts for Braxoaddie_4:
(Start: 19 @2547 has 1 MA's), (Start: 44 @2670 has 5 MA's), (63, 2730), (89, 2889), (104, 2946), (105, 2958), (115, 2991), (117, 3000), (120, 3012), (122, 3024), (124, 3027), (153, 3126), (198, 3306), (204, 3348),

Gene: BrazzalePHS_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for BrazzalePHS_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: BreSam8_84 Start: 47034, Stop: 46267, Start Num: 53
Candidate Starts for BreSam8_84:
(Start: 40 @47067 has 1 MA's), (Start: 53 @47034 has 130 MA's), (59, 47013), (65, 46968), (67, 46947), (Start: 68 @46941 has 1 MA's), (Start: 73 @46899 has 2 MA's), (79, 46869), (81, 46854), (107, 46752), (109, 46749), (122, 46713), (143, 46641), (148, 46620), (184, 46491), (191, 46458), (197, 46431),

Gene: Bud_81 Start: 46216, Stop: 45458, Start Num: 52
Candidate Starts for Bud_81:
(Start: 52 @46216 has 311 MA's), (59, 46192), (64, 46150), (Start: 70 @46099 has 2 MA's), (Start: 73 @46078 has 2 MA's), (75, 46069), (79, 46048), (80, 46042), (81, 46033), (105, 45946), (107, 45931), (131, 45883), (138, 45856), (143, 45829), (221, 45526), (231, 45481),

Gene: Busephilis_8 Start: 3691, Stop: 4431, Start Num: 52
Candidate Starts for Busephilis_8:
(Start: 52 @3691 has 311 MA's), (62, 3724), (Start: 70 @3793 has 2 MA's), (72, 3805), (74, 3820), (90, 3895), (94, 3910), (150, 4054), (158, 4072), (171, 4138), (182, 4174), (198, 4246), (202, 4270), (203, 4282), (209, 4297), (230, 4393),

Gene: Bustleton_51 Start: 36138, Stop: 35401, Start Num: 52
Candidate Starts for Bustleton_51:
(Start: 52 @36138 has 311 MA's), (Start: 70 @36027 has 2 MA's), (84, 35952), (87, 35940), (94, 35910), (128, 35832), (140, 35799), (150, 35763), (177, 35664), (178, 35661), (191, 35610), (198, 35577), (202, 35553), (206, 35532), (230, 35430),

Gene: BuzzBuzz_78 Start: 47069, Stop: 46302, Start Num: 53
Candidate Starts for BuzzBuzz_78:
(38, 47114), (Start: 53 @47069 has 130 MA's), (59, 47048), (65, 47003), (67, 46982), (Start: 68 @46976 has 1 MA's), (Start: 73 @46934 has 2 MA's), (79, 46904), (81, 46889), (107, 46787), (109, 46784), (122, 46748), (143, 46676), (148, 46655), (184, 46526), (191, 46493), (197, 46466),

Gene: Bxz2_79 Start: 47076, Stop: 46309, Start Num: 53
Candidate Starts for Bxz2_79:
(38, 47121), (Start: 53 @47076 has 130 MA's), (59, 47055), (65, 47010), (67, 46989), (Start: 68 @46983 has 1 MA's), (Start: 73 @46941 has 2 MA's), (79, 46911), (81, 46896), (107, 46794), (109, 46791), (122, 46755), (143, 46683), (148, 46662), (184, 46533), (191, 46500), (197, 46473),

Gene: Byron23_60 Start: 39551, Stop: 38820, Start Num: 52
Candidate Starts for Byron23_60:
(Start: 52 @39551 has 311 MA's), (Start: 70 @39449 has 2 MA's), (94, 39332), (113, 39281), (140, 39218), (153, 39173), (158, 39164), (177, 39083), (192, 39026), (203, 38960), (230, 38849),

Gene: C3_76 Start: 46905, Stop: 46132, Start Num: 53
Candidate Starts for C3_76:
(Start: 53 @46905 has 130 MA's), (59, 46881), (64, 46839), (67, 46815), (Start: 73 @46767 has 2 MA's), (79, 46737), (80, 46731), (97, 46659), (105, 46635), (107, 46620), (114, 46608), (143, 46506), (148, 46485), (198, 46293), (231, 46155),

Gene: CRB1_85 Start: 48729, Stop: 47971, Start Num: 52
Candidate Starts for CRB1_85:
(Start: 52 @48729 has 311 MA's), (59, 48708), (64, 48666), (Start: 70 @48615 has 2 MA's), (Start: 73 @48594 has 2 MA's), (80, 48558), (81, 48549), (89, 48519), (96, 48489), (131, 48396), (143, 48342), (154, 48306), (169, 48258), (192, 48159), (198, 48132), (210, 48084), (231, 47994),

Gene: Cafasso_153 Start: 80306, Stop: 79533, Start Num: 51
Candidate Starts for Cafasso_153:
(Start: 51 @80306 has 10 MA's), (64, 80240), (67, 80216), (69, 80192), (77, 80153), (85, 80108), (92, 80078), (102, 80048), (105, 80039), (112, 80015), (126, 79988), (135, 79961), (143, 79922), (170, 79823), (173, 79802), (193, 79730), (194, 79724), (222, 79607), (229, 79568), (235, 79544),

Gene: Calix_58 Start: 39287, Stop: 38556, Start Num: 52
Candidate Starts for Calix_58:
(Start: 52 @39287 has 311 MA's), (Start: 70 @39185 has 2 MA's), (94, 39068), (113, 39017), (140, 38954), (153, 38909), (158, 38900), (177, 38819), (192, 38762), (199, 38726), (203, 38696), (230, 38585),

Gene: Calvinny_81 Start: 46852, Stop: 46085, Start Num: 53
Candidate Starts for Calvinny_81:
(38, 46897), (Start: 53 @46852 has 130 MA's), (59, 46831), (64, 46789), (65, 46786), (67, 46765), (Start: 68 @46759 has 1 MA's), (Start: 73 @46717 has 2 MA's), (79, 46687), (81, 46672), (107, 46570), (122, 46531), (127, 46522), (141, 46471), (143, 46459), (184, 46309), (197, 46249),

Gene: Caraxes_85 Start: 47204, Stop: 46461, Start Num: 52
Candidate Starts for Caraxes_85:
(Start: 52 @47204 has 311 MA's), (59, 47186), (64, 47144), (Start: 70 @47093 has 2 MA's), (Start: 73 @47072 has 2 MA's), (88, 47000), (96, 46967), (107, 46925), (110, 46919), (131, 46874), (138, 46847), (143, 46820), (146, 46811), (197, 46625), (205, 46589), (214, 46553), (231, 46484),

Gene: CarisSwetlik_59 Start: 39888, Stop: 39160, Start Num: 52
Candidate Starts for CarisSwetlik_59:
(Start: 52 @39888 has 311 MA's), (Start: 70 @39789 has 2 MA's), (74, 39762), (97, 39663), (113, 39621), (140, 39558), (153, 39513), (158, 39504), (177, 39423), (203, 39300),

Gene: Catalina_90 Start: 48810, Stop: 48049, Start Num: 53
Candidate Starts for Catalina_90:
(Start: 53 @48810 has 130 MA's), (64, 48750), (Start: 70 @48699 has 2 MA's), (74, 48672), (84, 48618), (96, 48570), (102, 48552), (107, 48528), (131, 48477), (138, 48450), (143, 48423), (197, 48210), (198, 48207), (205, 48174), (231, 48072),

Gene: Celestialunch_83 Start: 47947, Stop: 47189, Start Num: 53
Candidate Starts for Celestialunch_83:
(Start: 53 @47947 has 130 MA's), (59, 47929), (Start: 70 @47836 has 2 MA's), (74, 47809), (96, 47710), (107, 47668), (124, 47632), (131, 47617), (138, 47590), (143, 47563), (148, 47542), (198, 47347), (205, 47314), (231, 47212),

Gene: Centaur_84 Start: 47978, Stop: 47220, Start Num: 52
Candidate Starts for Centaur_84:
(Start: 52 @47978 has 311 MA's), (59, 47957), (61, 47945), (64, 47915), (67, 47891), (Start: 70 @47864 has 2 MA's), (Start: 73 @47843 has 2 MA's), (80, 47807), (81, 47798), (89, 47768), (96, 47738), (107, 47696), (127, 47654), (131, 47645), (143, 47591), (154, 47555), (169, 47507), (192, 47408), (197, 47384), (198, 47381), (231, 47243),

Gene: Chako_58 Start: 39296, Stop: 38565, Start Num: 52
Candidate Starts for Chako_58:
(Start: 52 @39296 has 311 MA's), (Start: 70 @39194 has 2 MA's), (94, 39077), (113, 39026), (140, 38963), (153, 38918), (158, 38909), (177, 38828), (192, 38771), (203, 38705), (230, 38594),

Gene: Chamuel_58 Start: 39313, Stop: 38582, Start Num: 52
Candidate Starts for Chamuel_58:
(Start: 52 @39313 has 311 MA's), (Start: 70 @39211 has 2 MA's), (94, 39094), (113, 39043), (140, 38980), (153, 38935), (158, 38926), (177, 38845), (192, 38788), (199, 38752), (203, 38722), (230, 38611),

Gene: Changeling_83 Start: 48672, Stop: 47914, Start Num: 52
Candidate Starts for Changeling_83:
(Start: 49 @48675 has 3 MA's), (Start: 52 @48672 has 311 MA's), (59, 48648), (64, 48606), (67, 48582), (Start: 70 @48555 has 2 MA's), (81, 48489), (87, 48465), (96, 48429), (124, 48351), (131, 48336), (143, 48282), (148, 48261), (197, 48075), (198, 48072), (231, 47934),

Gene: Chargerpower_84 Start: 46758, Stop: 45994, Start Num: 53
Candidate Starts for Chargerpower_84:
(24, 46863), (Start: 53 @46758 has 130 MA's), (59, 46731), (69, 46641), (Start: 70 @46638 has 2 MA's), (96, 46512), (107, 46470), (143, 46365), (148, 46344), (184, 46215), (197, 46155), (198, 46152), (231, 46017),

Gene: Charm_83 Start: 48094, Stop: 47330, Start Num: 53
Candidate Starts for Charm_83:
(Start: 53 @48094 has 130 MA's), (59, 48070), (Start: 70 @47977 has 2 MA's), (74, 47950), (96, 47851), (107, 47809), (131, 47758), (138, 47731), (143, 47704), (148, 47683), (198, 47488), (205, 47455), (231, 47353),

Gene: Che12_86 Start: 47324, Stop: 46581, Start Num: 52
Candidate Starts for Che12_86:
(Start: 52 @47324 has 311 MA's), (59, 47306), (64, 47264), (Start: 70 @47213 has 2 MA's), (Start: 73 @47192 has 2 MA's), (88, 47120), (96, 47087), (105, 47060), (110, 47039), (131, 46994), (138, 46967), (143, 46940), (197, 46745), (214, 46673), (231, 46604),

Gene: Cheeto1_55 Start: 37748, Stop: 37017, Start Num: 52
Candidate Starts for Cheeto1_55:
(39, 37787), (Start: 52 @37748 has 311 MA's), (Start: 68 @37667 has 1 MA's), (69, 37649), (Start: 70 @37646 has 2 MA's), (72, 37634), (94, 37529), (102, 37505), (113, 37478), (135, 37433), (140, 37415), (143, 37400), (177, 37280), (199, 37187), (203, 37157), (220, 37091), (230, 37046),

Gene: ChickenKing_53 Start: 37901, Stop: 37170, Start Num: 52
Candidate Starts for ChickenKing_53:
(39, 37940), (Start: 52 @37901 has 311 MA's), (Start: 68 @37820 has 1 MA's), (69, 37802), (Start: 70 @37799 has 2 MA's), (72, 37787), (94, 37682), (113, 37631), (135, 37586), (140, 37568), (143, 37553), (177, 37433), (199, 37340), (203, 37310), (220, 37244), (230, 37199),

Gene: ChikPic_56 Start: 37560, Stop: 36835, Start Num: 52
Candidate Starts for ChikPic_56:
(Start: 52 @37560 has 311 MA's), (Start: 70 @37458 has 2 MA's), (94, 37350), (140, 37233), (150, 37197), (155, 37185), (177, 37098), (192, 37041),

Gene: ChipMunk_85 Start: 49636, Stop: 48881, Start Num: 52
Candidate Starts for ChipMunk_85:
(Start: 52 @49636 has 311 MA's), (59, 49615), (64, 49573), (67, 49549), (Start: 73 @49501 has 2 MA's), (87, 49432), (96, 49396), (124, 49318), (143, 49249), (148, 49228), (197, 49042), (198, 49039), (231, 48901),

Gene: Christoph_58 Start: 39300, Stop: 38569, Start Num: 52
Candidate Starts for Christoph_58:
(Start: 52 @39300 has 311 MA's), (Start: 70 @39198 has 2 MA's), (94, 39081), (113, 39030), (140, 38967), (153, 38922), (158, 38913), (177, 38832), (192, 38775), (199, 38739), (203, 38709), (230, 38598),

Gene: Clancy_58 Start: 39300, Stop: 38569, Start Num: 52
Candidate Starts for Clancy_58:
(Start: 52 @39300 has 311 MA's), (Start: 70 @39198 has 2 MA's), (94, 39081), (113, 39030), (140, 38967), (153, 38922), (158, 38913), (177, 38832), (192, 38775), (203, 38709), (230, 38598),

Gene: ClearAsMud_7 Start: 3748, Stop: 4488, Start Num: 52
Candidate Starts for ClearAsMud_7:
(Start: 52 @3748 has 311 MA's), (62, 3781), (Start: 70 @3850 has 2 MA's), (72, 3862), (74, 3877), (90, 3952), (94, 3967), (150, 4111), (158, 4129), (171, 4195), (182, 4231), (202, 4327), (203, 4339), (230, 4450), (238, 4480),

Gene: ClownCar_81 Start: 46847, Stop: 46080, Start Num: 53
Candidate Starts for ClownCar_81:
(Start: 40 @46886 has 1 MA's), (Start: 53 @46847 has 130 MA's), (59, 46826), (64, 46784), (65, 46781), (67, 46760), (Start: 68 @46754 has 1 MA's), (Start: 73 @46712 has 2 MA's), (79, 46682), (81, 46667), (107, 46565), (122, 46526), (127, 46517), (141, 46466), (143, 46454), (184, 46304), (197, 46244),

Gene: CoffeeBean_4 Start: 2679, Stop: 3497, Start Num: 44
Candidate Starts for CoffeeBean_4:
(Start: 44 @2679 has 5 MA's), (63, 2739), (66, 2763), (89, 2898), (104, 2955), (105, 2967), (115, 3000), (117, 3009), (120, 3021), (122, 3033), (124, 3036), (153, 3135), (198, 3315), (204, 3357),

Gene: CogOmlette_85 Start: 48212, Stop: 47451, Start Num: 53
Candidate Starts for CogOmlette_85:
(Start: 53 @48212 has 130 MA's), (64, 48152), (67, 48128), (Start: 70 @48101 has 2 MA's), (74, 48074), (84, 48020), (96, 47972), (107, 47930), (131, 47879), (138, 47852), (143, 47825), (148, 47804), (159, 47774), (198, 47609), (231, 47474),

Gene: ColaCorta_56 Start: 37751, Stop: 37026, Start Num: 52
Candidate Starts for ColaCorta_56:
(Start: 52 @37751 has 311 MA's), (Start: 70 @37649 has 2 MA's), (94, 37541), (129, 37454), (140, 37424), (150, 37388), (155, 37376), (177, 37289), (192, 37232),

Gene: Colbster_80 Start: 47044, Stop: 46277, Start Num: 53

Candidate Starts for Colbster_80:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: Colin_83 Start: 49050, Stop: 48295, Start Num: 52
Candidate Starts for Colin_83:
(Start: 52 @49050 has 311 MA's), (59, 49029), (61, 49017), (64, 48987), (67, 48963), (69, 48939), (Start: 70 @48936 has 2 MA's), (96, 48810), (107, 48768), (131, 48717), (143, 48663), (148, 48642), (187, 48501), (197, 48456), (198, 48453), (205, 48420), (231, 48318),

Gene: Colossa_165 Start: 81802, Stop: 81059, Start Num: 51
Candidate Starts for Colossa_165:
(Start: 51 @81802 has 10 MA's), (67, 81712), (83, 81622), (97, 81568), (110, 81523), (112, 81520), (124, 81496), (134, 81469), (143, 81427), (170, 81340), (173, 81319), (174, 81316), (201, 81202),

Gene: Conquerage_86 Start: 48472, Stop: 47711, Start Num: 53
Candidate Starts for Conquerage_86:
(21, 48598), (Start: 53 @48472 has 130 MA's), (64, 48412), (67, 48388), (Start: 70 @48361 has 2 MA's), (74, 48334), (84, 48280), (96, 48232), (102, 48214), (107, 48190), (131, 48139), (138, 48112), (139, 48109), (143, 48085), (197, 47872), (198, 47869), (205, 47836), (231, 47734),

Gene: Convict_59 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for Convict_59:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: CoraRita_60 Start: 39269, Stop: 38538, Start Num: 52
Candidate Starts for CoraRita_60:
(Start: 52 @39269 has 311 MA's), (Start: 70 @39167 has 2 MA's), (94, 39050), (113, 38999), (140, 38936), (153, 38891), (158, 38882), (177, 38801), (192, 38744), (203, 38678), (230, 38567),

Gene: Cranjis_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Cranjis_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: CrazyRich_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for CrazyRich_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Crisis_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Crisis_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (198, 4034), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Croquant_81 Start: 47041, Stop: 46274, Start Num: 53
Candidate Starts for Croquant_81:

(38, 47086), (Start: 53 @47041 has 130 MA's), (59, 47020), (65, 46975), (67, 46954), (Start: 68 @46948 has 1 MA's), (Start: 73 @46906 has 2 MA's), (79, 46876), (81, 46861), (107, 46759), (109, 46756), (122, 46720), (143, 46648), (148, 46627), (184, 46498), (191, 46465), (197, 46438),

Gene: Crucio_84 Start: 48580, Stop: 47822, Start Num: 52
Candidate Starts for Crucio_84:
(Start: 52 @48580 has 311 MA's), (59, 48559), (64, 48517), (67, 48493), (Start: 70 @48466 has 2 MA's), (Start: 73 @48445 has 2 MA's), (80, 48409), (81, 48400), (96, 48340), (127, 48256), (131, 48247), (143, 48193), (154, 48157), (169, 48109), (192, 48010), (198, 47983), (213, 47917), (231, 47845),

Gene: Cullens_85 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Cullens_85:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: DBQu4n_84 Start: 47950, Stop: 47177, Start Num: 53
Candidate Starts for DBQu4n_84:
(Start: 53 @47950 has 130 MA's), (59, 47926), (64, 47884), (67, 47860), (Start: 73 @47812 has 2 MA's), (79, 47782), (80, 47776), (105, 47680), (107, 47665), (114, 47653), (143, 47551), (148, 47530), (198, 47338), (231, 47200),

Gene: DaHudson_83 Start: 47033, Stop: 46266, Start Num: 53
Candidate Starts for DaHudson_83:
(Start: 40 @47066 has 1 MA's), (Start: 53 @47033 has 130 MA's), (59, 47012), (65, 46967), (67, 46946), (Start: 68 @46940 has 1 MA's), (Start: 73 @46898 has 2 MA's), (79, 46868), (81, 46853), (107, 46751), (109, 46748), (122, 46712), (143, 46640), (148, 46619), (184, 46490), (191, 46457), (197, 46430),

Gene: Daishi_83 Start: 45910, Stop: 45143, Start Num: 53
Candidate Starts for Daishi_83:
(38, 45955), (Start: 53 @45910 has 130 MA's), (59, 45889), (65, 45844), (67, 45823), (Start: 68 @45817 has 1 MA's), (Start: 73 @45775 has 2 MA's), (79, 45745), (81, 45730), (107, 45628), (109, 45625), (122, 45589), (143, 45517), (148, 45496), (184, 45367), (191, 45334), (197, 45307),

Gene: Dalmatian_84 Start: 48402, Stop: 47644, Start Num: 52
Candidate Starts for Dalmatian_84:
(Start: 52 @48402 has 311 MA's), (59, 48381), (64, 48339), (67, 48315), (Start: 70 @48288 has 2 MA's), (Start: 73 @48267 has 2 MA's), (80, 48231), (88, 48195), (96, 48162), (127, 48078), (131, 48069), (143, 48015), (154, 47979), (169, 47931), (192, 47832), (197, 47808), (198, 47805), (231, 47667),

Gene: Darrell_86 Start: 47900, Stop: 47139, Start Num: 53
Candidate Starts for Darrell_86:
(Start: 53 @47900 has 130 MA's), (64, 47840), (67, 47816), (Start: 70 @47789 has 2 MA's), (74, 47762), (86, 47699), (91, 47675), (96, 47660), (103, 47639), (107, 47618), (127, 47576), (131, 47567), (138, 47540), (143, 47513), (159, 47462), (197, 47300), (198, 47297), (231, 47162),

Gene: DarthPhader_84 Start: 49603, Stop: 48851, Start Num: 52
Candidate Starts for DarthPhader_84:

(Start: 52 @49603 has 311 MA's), (59, 49582), (61, 49570), (69, 49492), (Start: 70 @49489 has 2 MA's), (79, 49438), (96, 49363), (102, 49345), (103, 49342), (107, 49321), (127, 49279), (131, 49270), (143, 49216), (148, 49195), (157, 49177), (159, 49165), (184, 49066), (198, 49006), (212, 48946),

Gene: Dave_59 Start: 39604, Stop: 38873, Start Num: 52
Candidate Starts for Dave_59:
(Start: 52 @39604 has 311 MA's), (Start: 70 @39502 has 2 MA's), (94, 39385), (113, 39334), (140, 39271), (153, 39226), (158, 39217), (177, 39136), (192, 39079), (203, 39013), (230, 38902),

Gene: DeerParkTS_80 Start: 47075, Stop: 46323, Start Num: 52
Candidate Starts for DeerParkTS_80:
(Start: 49 @47078 has 3 MA's), (Start: 52 @47075 has 311 MA's), (59, 47054), (61, 47042), (67, 46988), (Start: 70 @46961 has 2 MA's), (79, 46910), (84, 46883), (96, 46835), (127, 46751), (143, 46688), (147, 46676), (197, 46481), (198, 46478), (205, 46445), (231, 46343),

Gene: DelaGarza_62 Start: 35949, Stop: 36692, Start Num: 52
Candidate Starts for DelaGarza_62:
(1, 35244), (2, 35247), (3, 35286), (5, 35598), (6, 35622), (8, 35661), (9, 35706), (10, 35730), (Start: 36 @35895 has 1 MA's), (Start: 52 @35949 has 311 MA's), (Start: 70 @36063 has 2 MA's), (84, 36138), (97, 36189), (108, 36222), (111, 36228), (140, 36288), (153, 36333), (158, 36342), (191, 36477), (198, 36510), (199, 36516), (203, 36546), (206, 36555), (226, 36639), (236, 36681),

Gene: Deloris_86 Start: 48274, Stop: 47516, Start Num: 52
Candidate Starts for Deloris_86:
(Start: 52 @48274 has 311 MA's), (59, 48253), (64, 48211), (Start: 70 @48160 has 2 MA's), (Start: 73 @48139 has 2 MA's), (80, 48103), (81, 48094), (89, 48064), (96, 48034), (131, 47941), (143, 47887), (154, 47851), (169, 47803), (192, 47704), (198, 47677), (210, 47629), (231, 47539),

Gene: Delphidian_58 Start: 39340, Stop: 38609, Start Num: 52
Candidate Starts for Delphidian_58:
(Start: 52 @39340 has 311 MA's), (Start: 70 @39238 has 2 MA's), (94, 39121), (113, 39070), (140, 39007), (153, 38962), (158, 38953), (177, 38872), (192, 38815), (203, 38749), (230, 38638),

Gene: Den3_59 Start: 39547, Stop: 38816, Start Num: 52
Candidate Starts for Den3_59:
(Start: 52 @39547 has 311 MA's), (Start: 70 @39445 has 2 MA's), (94, 39328), (113, 39277), (140, 39214), (153, 39169), (158, 39160), (177, 39079), (192, 39022), (203, 38956), (230, 38845),

Gene: Dieselweasel_85 Start: 47042, Stop: 46275, Start Num: 53
Candidate Starts for Dieselweasel_85:
(38, 47087), (Start: 53 @47042 has 130 MA's), (59, 47021), (65, 46976), (67, 46955), (Start: 68 @46949 has 1 MA's), (Start: 73 @46907 has 2 MA's), (79, 46877), (81, 46862), (107, 46760), (109, 46757), (122, 46721), (143, 46649), (148, 46628), (184, 46499), (191, 46466), (197, 46439),

Gene: Dignity_86 Start: 48816, Stop: 48061, Start Num: 52
Candidate Starts for Dignity_86:
(Start: 52 @48816 has 311 MA's), (59, 48795), (64, 48753), (67, 48729), (Start: 73 @48681 has 2 MA's), (87, 48612), (96, 48576), (124, 48498), (143, 48429), (148, 48408), (197, 48222), (198, 48219), (231, 48081),

Gene: Dothraki_59 Start: 39551, Stop: 38820, Start Num: 52
Candidate Starts for Dothraki_59:

(Start: 52 @39551 has 311 MA's), (Start: 70 @39449 has 2 MA's), (94, 39332), (113, 39281), (140, 39218), (153, 39173), (158, 39164), (177, 39083), (192, 39026), (203, 38960), (230, 38849),

Gene: Drake55_85 Start: 48229, Stop: 47471, Start Num: 52
Candidate Starts for Drake55_85:
(Start: 52 @48229 has 311 MA's), (59, 48208), (61, 48196), (64, 48166), (67, 48142), (Start: 70 @48115 has 2 MA's), (Start: 73 @48094 has 2 MA's), (80, 48058), (81, 48049), (89, 48019), (96, 47989), (107, 47947), (127, 47905), (131, 47896), (143, 47842), (154, 47806), (169, 47758), (192, 47659), (197, 47635), (198, 47632), (231, 47494),

Gene: DreamTeam1_83 Start: 47942, Stop: 47178, Start Num: 53
Candidate Starts for DreamTeam1_83:
(Start: 53 @47942 has 130 MA's), (59, 47918), (Start: 70 @47825 has 2 MA's), (74, 47798), (96, 47699), (107, 47657), (131, 47606), (138, 47579), (143, 47552), (148, 47531), (198, 47336), (205, 47303), (231, 47201),

Gene: DudeLittle_82 Start: 48120, Stop: 47362, Start Num: 52
Candidate Starts for DudeLittle_82:
(Start: 52 @48120 has 311 MA's), (59, 48099), (64, 48057), (67, 48033), (Start: 70 @48006 has 2 MA's), (Start: 73 @47985 has 2 MA's), (80, 47949), (88, 47913), (96, 47880), (127, 47796), (131, 47787), (143, 47733), (154, 47697), (169, 47649), (192, 47550), (197, 47526), (198, 47523), (231, 47385),

Gene: Duocatuli_58 Start: 39296, Stop: 38565, Start Num: 52
Candidate Starts for Duocatuli_58:
(Start: 52 @39296 has 311 MA's), (Start: 70 @39194 has 2 MA's), (94, 39077), (113, 39026), (140, 38963), (153, 38918), (158, 38909), (177, 38828), (192, 38771), (203, 38705), (230, 38594),

Gene: Duplo_85 Start: 48007, Stop: 47234, Start Num: 53
Candidate Starts for Duplo_85:
(Start: 53 @48007 has 130 MA's), (59, 47983), (64, 47941), (67, 47917), (Start: 73 @47869 has 2 MA's), (79, 47839), (80, 47833), (105, 47737), (107, 47722), (114, 47710), (143, 47608), (148, 47587), (198, 47395), (231, 47257),

Gene: EZMoney23_80 Start: 47682, Stop: 46924, Start Num: 52
Candidate Starts for EZMoney23_80:
(Start: 52 @47682 has 311 MA's), (59, 47661), (61, 47649), (67, 47595), (Start: 70 @47568 has 2 MA's), (84, 47490), (96, 47442), (107, 47400), (116, 47382), (127, 47358), (131, 47349), (143, 47295), (146, 47286), (148, 47274), (197, 47085), (198, 47082), (205, 47049), (231, 46947),

Gene: EagleEye_84 Start: 47602, Stop: 46832, Start Num: 53
Candidate Starts for EagleEye_84:
(29, 47695), (Start: 53 @47602 has 130 MA's), (59, 47581), (67, 47515), (Start: 73 @47467 has 2 MA's), (79, 47437), (95, 47365), (107, 47320), (127, 47269), (143, 47206), (148, 47185), (166, 47128), (197, 46996), (198, 46993), (221, 46900), (231, 46855),

Gene: EarickHC_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for EarickHC_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Ebony_86 Start: 47350, Stop: 46592, Start Num: 52

Candidate Starts for Ebony_86:
(Start: 52 @47350 has 311 MA's), (59, 47326), (64, 47284), (Start: 70 @47233 has 2 MA's), (Start: 73 @47212 has 2 MA's), (75, 47203), (79, 47182), (80, 47176), (81, 47167), (105, 47080), (107, 47065), (131, 47017), (138, 46990), (143, 46963), (221, 46660), (231, 46615),

Gene: Echild_87 Start: 48371, Stop: 47616, Start Num: 53
Candidate Starts for Echild_87:
(Start: 53 @48371 has 130 MA's), (59, 48350), (64, 48308), (67, 48284), (Start: 73 @48236 has 2 MA's), (75, 48227), (79, 48206), (80, 48200), (107, 48089), (127, 48047), (143, 47984), (148, 47963), (197, 47777), (198, 47774), (212, 47714), (231, 47636),

Gene: EdogawaKiddo_87 Start: 48774, Stop: 48013, Start Num: 53
Candidate Starts for EdogawaKiddo_87:
(21, 48900), (Start: 53 @48774 has 130 MA's), (64, 48714), (67, 48690), (Start: 70 @48663 has 2 MA's), (74, 48636), (84, 48582), (96, 48534), (102, 48516), (107, 48492), (131, 48441), (138, 48414), (143, 48387), (197, 48174), (198, 48171), (205, 48138), (231, 48036),

Gene: Eidsmoe_86 Start: 48464, Stop: 47703, Start Num: 53
Candidate Starts for Eidsmoe_86:
(Start: 53 @48464 has 130 MA's), (64, 48404), (Start: 70 @48353 has 2 MA's), (74, 48326), (84, 48272), (96, 48224), (102, 48206), (107, 48182), (131, 48131), (138, 48104), (139, 48101), (143, 48077), (197, 47864), (198, 47861), (205, 47828), (231, 47726),

Gene: Elephantoon_88 Start: 48624, Stop: 47866, Start Num: 53
Candidate Starts for Elephantoon_88:
(Start: 53 @48624 has 130 MA's), (59, 48606), (69, 48516), (Start: 70 @48513 has 2 MA's), (74, 48486), (96, 48387), (102, 48369), (107, 48345), (131, 48294), (138, 48267), (143, 48240), (147, 48228), (159, 48189), (197, 48027), (198, 48024), (205, 47991), (231, 47889),

Gene: Eleri_56 Start: 37596, Stop: 36871, Start Num: 52
Candidate Starts for Eleri_56:
(Start: 52 @37596 has 311 MA's), (Start: 70 @37494 has 2 MA's), (94, 37386), (129, 37299), (140, 37269), (150, 37233), (155, 37221), (177, 37134), (192, 37077),

Gene: EmyBug_85 Start: 48466, Stop: 47705, Start Num: 53
Candidate Starts for EmyBug_85:
(Start: 53 @48466 has 130 MA's), (64, 48406), (Start: 70 @48355 has 2 MA's), (74, 48328), (84, 48274), (96, 48226), (102, 48208), (107, 48184), (131, 48133), (138, 48106), (139, 48103), (143, 48079), (197, 47866), (198, 47863), (205, 47830), (231, 47728),

Gene: Endor_60 Start: 39867, Stop: 39136, Start Num: 52
Candidate Starts for Endor_60:
(Start: 52 @39867 has 311 MA's), (69, 39768), (Start: 70 @39765 has 2 MA's), (94, 39648), (113, 39597), (140, 39534), (153, 39489), (158, 39480), (177, 39399), (192, 39342), (199, 39306), (203, 39276), (230, 39165),

Gene: EpicPhail_85 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for EpicPhail_85:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: Epsocamisio_85 Start: 46956, Stop: 46240, Start Num: 51

Candidate Starts for Epsocamisio_85:
(25, 47052), (Start: 32 @47022 has 1 MA's), (39, 47001), (Start: 51 @46956 has 10 MA's), (59, 46932), (Start: 70 @46839 has 2 MA's), (81, 46773), (95, 46716), (101, 46698), (107, 46671), (119, 46641), (124, 46635), (127, 46629), (131, 46620), (143, 46566), (147, 46554), (198, 46398),

Gene: Equemioh13_84 Start: 48207, Stop: 47449, Start Num: 52
Candidate Starts for Equemioh13_84:
(Start: 52 @48207 has 311 MA's), (59, 48186), (61, 48174), (64, 48144), (67, 48120), (Start: 70 @48093 has 2 MA's), (Start: 73 @48072 has 2 MA's), (80, 48036), (81, 48027), (89, 47997), (96, 47967), (127, 47883), (131, 47874), (143, 47820), (154, 47784), (169, 47736), (192, 47637), (197, 47613), (198, 47610), (231, 47472),

Gene: Erla_58 Start: 39284, Stop: 38553, Start Num: 52
Candidate Starts for Erla_58:
(Start: 52 @39284 has 311 MA's), (Start: 70 @39182 has 2 MA's), (94, 39065), (113, 39014), (140, 38951), (153, 38906), (158, 38897), (177, 38816), (192, 38759), (199, 38723), (203, 38693), (230, 38582),

Gene: Espinosa_58 Start: 39299, Stop: 38568, Start Num: 52
Candidate Starts for Espinosa_58:
(Start: 52 @39299 has 311 MA's), (Start: 70 @39197 has 2 MA's), (94, 39080), (113, 39029), (140, 38966), (153, 38921), (158, 38912), (177, 38831), (192, 38774), (199, 38738), (203, 38708), (230, 38597),

Gene: Et2Brutus_85 Start: 47313, Stop: 46555, Start Num: 52
Candidate Starts for Et2Brutus_85:
(Start: 52 @47313 has 311 MA's), (59, 47289), (64, 47247), (Start: 70 @47196 has 2 MA's), (Start: 73 @47175 has 2 MA's), (75, 47166), (79, 47145), (80, 47139), (81, 47130), (105, 47043), (107, 47028), (131, 46980), (138, 46953), (143, 46926), (221, 46623), (231, 46578),

Gene: Etna_58 Start: 39477, Stop: 38746, Start Num: 52
Candidate Starts for Etna_58:
(Start: 52 @39477 has 311 MA's), (69, 39378), (Start: 70 @39375 has 2 MA's), (94, 39258), (113, 39207), (153, 39099), (158, 39090), (177, 39009), (192, 38952), (199, 38916), (203, 38886), (216, 38838), (230, 38775),

Gene: Etta_58 Start: 39288, Stop: 38557, Start Num: 52
Candidate Starts for Etta_58:
(Start: 52 @39288 has 311 MA's), (Start: 70 @39186 has 2 MA's), (94, 39069), (113, 39018), (140, 38955), (153, 38910), (158, 38901), (177, 38820), (192, 38763), (203, 38697), (230, 38586),

Gene: EvilGenius_84 Start: 49637, Stop: 48882, Start Num: 52
Candidate Starts for EvilGenius_84:
(Start: 52 @49637 has 311 MA's), (59, 49616), (64, 49574), (67, 49550), (Start: 73 @49502 has 2 MA's), (87, 49433), (96, 49397), (124, 49319), (143, 49250), (148, 49229), (197, 49043), (198, 49040), (231, 48902),

Gene: Exploradora_58 Start: 39249, Stop: 38518, Start Num: 52
Candidate Starts for Exploradora_58:
(Start: 52 @39249 has 311 MA's), (Start: 70 @39147 has 2 MA's), (94, 39030), (113, 38979), (140, 38916), (153, 38871), (158, 38862), (177, 38781), (192, 38724), (199, 38688), (203, 38658), (230, 38547),

Gene: ExplosioNervosa_86 Start: 48532, Stop: 47771, Start Num: 53
Candidate Starts for ExplosioNervosa_86:
(Start: 53 @48532 has 130 MA's), (64, 48472), (Start: 70 @48421 has 2 MA's), (74, 48394), (84, 48340), (96, 48292), (102, 48274), (107, 48250), (131, 48199), (138, 48172), (139, 48169), (143, 48145), (197, 47932), (198, 47929), (205, 47896), (231, 47794),

Gene: Fameo_82 Start: 48132, Stop: 47374, Start Num: 52
Candidate Starts for Fameo_82:
(Start: 49 @48135 has 3 MA's), (Start: 52 @48132 has 311 MA's), (59, 48111), (64, 48069), (65, 48066), (67, 48045), (Start: 70 @48018 has 2 MA's), (Start: 73 @47997 has 2 MA's), (80, 47961), (81, 47952), (96, 47892), (127, 47808), (131, 47799), (143, 47745), (154, 47709), (169, 47661), (192, 47562), (198, 47535), (213, 47469), (231, 47397),

Gene: FarmerDoug_58 Start: 39300, Stop: 38569, Start Num: 52
Candidate Starts for FarmerDoug_58:
(Start: 52 @39300 has 311 MA's), (Start: 70 @39198 has 2 MA's), (113, 39030), (153, 38922), (158, 38913), (177, 38832), (199, 38739), (203, 38709), (230, 38598),

Gene: FatCactus_76 Start: 46136, Stop: 45384, Start Num: 53
Candidate Starts for FatCactus_76:
(42, 46178), (Start: 53 @46136 has 130 MA's), (59, 46115), (64, 46073), (67, 46049), (Start: 70 @46022 has 2 MA's), (75, 45992), (79, 45971), (80, 45965), (87, 45932), (95, 45899), (101, 45881), (122, 45824), (127, 45818), (131, 45809), (143, 45755), (145, 45752), (147, 45743), (192, 45569), (197, 45545), (198, 45542), (205, 45509),

Gene: Fayely_86 Start: 48440, Stop: 47679, Start Num: 53
Candidate Starts for Fayely_86:
(Start: 53 @48440 has 130 MA's), (64, 48380), (Start: 70 @48329 has 2 MA's), (74, 48302), (84, 48248), (96, 48200), (102, 48182), (107, 48158), (131, 48107), (138, 48080), (139, 48077), (143, 48053), (197, 47840), (198, 47837), (205, 47804), (231, 47702),

Gene: Fernando_85 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Fernando_85:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Fibonacci_85 Start: 47319, Stop: 46561, Start Num: 52
Candidate Starts for Fibonacci_85:
(Start: 52 @47319 has 311 MA's), (59, 47295), (64, 47253), (Start: 70 @47202 has 2 MA's), (Start: 73 @47181 has 2 MA's), (75, 47172), (79, 47151), (80, 47145), (81, 47136), (105, 47049), (107, 47034), (131, 46986), (138, 46959), (143, 46932), (221, 46629), (231, 46584),

Gene: Figueroism_59 Start: 39593, Stop: 38862, Start Num: 52
Candidate Starts for Figueroism_59:
(Start: 52 @39593 has 311 MA's), (Start: 70 @39491 has 2 MA's), (94, 39374), (113, 39323), (140, 39260), (153, 39215), (158, 39206), (177, 39125), (192, 39068), (203, 39002), (230, 38891),

Gene: Finny_57 Start: 37544, Stop: 36819, Start Num: 52
Candidate Starts for Finny_57:
(Start: 52 @37544 has 311 MA's), (Start: 70 @37442 has 2 MA's), (94, 37334), (129, 37247), (140, 37217), (150, 37181), (155, 37169), (192, 37025),

Gene: Fireman_5 Start: 2970, Stop: 3710, Start Num: 52
Candidate Starts for Fireman_5:
(30, 2892), (Start: 52 @2970 has 311 MA's), (62, 3003), (Start: 70 @3072 has 2 MA's), (72, 3084), (90, 3174), (94, 3189), (140, 3297), (150, 3333), (158, 3351), (171, 3417), (198, 3525), (203, 3561), (206, 3570), (230, 3672), (231, 3678),

Gene: FiringLine_84 Start: 48520, Stop: 47762, Start Num: 52
Candidate Starts for FiringLine_84:
(Start: 52 @48520 has 311 MA's), (59, 48499), (64, 48457), (67, 48433), (Start: 70 @48406 has 2 MA's), (Start: 73 @48385 has 2 MA's), (80, 48349), (81, 48340), (96, 48280), (127, 48196), (131, 48187), (143, 48133), (154, 48097), (169, 48049), (192, 47950), (198, 47923), (213, 47857), (231, 47785),

Gene: First_0085 Start: 48376, Stop: 47618, Start Num: 52
Candidate Starts for First_0085:
(Start: 52 @48376 has 311 MA's), (59, 48355), (61, 48343), (64, 48313), (Start: 70 @48262 has 2 MA's), (Start: 73 @48241 has 2 MA's), (80, 48205), (81, 48196), (96, 48136), (127, 48052), (131, 48043), (143, 47989), (154, 47953), (169, 47905), (192, 47806), (198, 47779), (210, 47731), (231, 47641),

Gene: Flare16_84 Start: 48022, Stop: 47264, Start Num: 52
Candidate Starts for Flare16_84:
(Start: 52 @48022 has 311 MA's), (59, 48001), (61, 47989), (64, 47959), (67, 47935), (Start: 70 @47908 has 2 MA's), (Start: 73 @47887 has 2 MA's), (80, 47851), (81, 47842), (89, 47812), (96, 47782), (127, 47698), (131, 47689), (143, 47635), (154, 47599), (169, 47551), (192, 47452), (197, 47428), (198, 47425), (231, 47287),

Gene: Flaverint_87 Start: 47777, Stop: 47019, Start Num: 52
Candidate Starts for Flaverint_87:
(Start: 52 @47777 has 311 MA's), (59, 47753), (64, 47711), (Start: 70 @47660 has 2 MA's), (Start: 73 @47639 has 2 MA's), (75, 47630), (79, 47609), (80, 47603), (81, 47594), (105, 47507), (107, 47492), (131, 47444), (138, 47417), (143, 47390), (221, 47087), (231, 47042),

Gene: ForesterFrank_79 Start: 48244, Stop: 47489, Start Num: 49
Candidate Starts for ForesterFrank_79:
(Start: 49 @48244 has 3 MA's), (59, 48226), (64, 48184), (Start: 70 @48133 has 2 MA's), (Start: 73 @48112 has 2 MA's), (81, 48067), (96, 48007), (127, 47923), (131, 47914), (143, 47860), (154, 47824), (169, 47776), (198, 47650), (221, 47557), (231, 47512),

Gene: Frizzle_48 Start: 39896, Stop: 40612, Start Num: 48
Candidate Starts for Frizzle_48:
(Start: 48 @39896 has 3 MA's), (64, 39971), (98, 40160), (127, 40226), (134, 40247), (137, 40259), (145, 40292), (176, 40373), (190, 40427), (212, 40511), (215, 40523), (221, 40541), (224, 40550), (237, 40607),

Gene: GaeCeo_55 Start: 38134, Stop: 37403, Start Num: 52
Candidate Starts for GaeCeo_55:
(39, 38173), (Start: 52 @38134 has 311 MA's), (Start: 68 @38053 has 1 MA's), (69, 38035), (Start: 70 @38032 has 2 MA's), (72, 38020), (94, 37915), (113, 37864), (135, 37819), (140, 37801), (143, 37786), (177, 37666), (199, 37573), (203, 37543), (220, 37477), (230, 37432),

Gene: Ganandorf_7 Start: 3698, Stop: 4438, Start Num: 52

Candidate Starts for Ganandorf_7:
(Start: 52 @3698 has 311 MA's), (62, 3731), (Start: 70 @3800 has 2 MA's), (72, 3812), (74, 3827), (90, 3902), (94, 3917), (150, 4061), (158, 4079), (171, 4145), (182, 4181), (198, 4253), (202, 4277), (203, 4289), (209, 4304), (230, 4400),

Gene: GardenB_59 Start: 39672, Stop: 38938, Start Num: 52
Candidate Starts for GardenB_59:
(Start: 52 @39672 has 311 MA's), (Start: 70 @39570 has 2 MA's), (86, 39486), (94, 39453), (113, 39402), (153, 39291), (158, 39282), (177, 39201), (199, 39108), (203, 39078),

Gene: Garey24_59 Start: 39267, Stop: 38536, Start Num: 52
Candidate Starts for Garey24_59:
(Start: 52 @39267 has 311 MA's), (Start: 70 @39165 has 2 MA's), (94, 39048), (113, 38997), (140, 38934), (153, 38889), (158, 38880), (177, 38799), (192, 38742), (199, 38706), (203, 38676), (230, 38565),

Gene: Gargoyle_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Gargoyle_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (199, 38987), (203, 38957), (230, 38846),

Gene: GaugeLDP_78 Start: 47413, Stop: 46661, Start Num: 53
Candidate Starts for GaugeLDP_78:
(Start: 53 @47413 has 130 MA's), (59, 47392), (61, 47380), (64, 47350), (67, 47326), (Start: 73 @47278 has 2 MA's), (79, 47248), (80, 47242), (127, 47095), (143, 47032), (148, 47011), (197, 46825), (198, 46822), (212, 46762), (231, 46684), (233, 46672),

Gene: Gelo_58 Start: 39294, Stop: 38563, Start Num: 52
Candidate Starts for Gelo_58:
(Start: 52 @39294 has 311 MA's), (Start: 70 @39192 has 2 MA's), (94, 39075), (113, 39024), (140, 38961), (153, 38916), (158, 38907), (177, 38826), (192, 38769), (199, 38733), (203, 38703), (230, 38592),

Gene: Gemma_81 Start: 46850, Stop: 46083, Start Num: 53
Candidate Starts for Gemma_81:
(Start: 40 @46889 has 1 MA's), (Start: 53 @46850 has 130 MA's), (59, 46829), (64, 46787), (65, 46784), (67, 46763), (Start: 68 @46757 has 1 MA's), (Start: 73 @46715 has 2 MA's), (79, 46685), (81, 46670), (107, 46568), (122, 46529), (127, 46520), (141, 46469), (143, 46457), (184, 46307), (197, 46247),

Gene: Georgie2_86 Start: 48724, Stop: 47966, Start Num: 52
Candidate Starts for Georgie2_86:
(Start: 52 @48724 has 311 MA's), (59, 48703), (64, 48661), (67, 48637), (Start: 70 @48610 has 2 MA's), (Start: 73 @48589 has 2 MA's), (80, 48553), (81, 48544), (96, 48484), (127, 48400), (131, 48391), (143, 48337), (154, 48301), (169, 48253), (192, 48154), (198, 48127), (213, 48061), (231, 47989),

Gene: Gershwin_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for Gershwin_58:
(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: Ghobes_49 Start: 39896, Stop: 40612, Start Num: 48
Candidate Starts for Ghobes_49:
(Start: 48 @39896 has 3 MA's), (61, 39941), (64, 39971), (98, 40160), (123, 40220), (127, 40226), (134, 40247), (137, 40259), (145, 40292), (176, 40373), (188, 40415), (190, 40427), (212, 40511), (221, 40541), (224, 40550), (237, 40607),

Gene: Gilberta_83 Start: 46653, Stop: 45895, Start Num: 52
Candidate Starts for Gilberta_83:
(Start: 52 @46653 has 311 MA's), (59, 46629), (64, 46587), (Start: 70 @46536 has 2 MA's), (Start: 73 @46515 has 2 MA's), (75, 46506), (79, 46485), (80, 46479), (81, 46470), (105, 46383), (107, 46368), (131, 46320), (138, 46293), (143, 46266), (221, 45963), (231, 45918),

Gene: Gina_5 Start: 2600, Stop: 3349, Start Num: 52
Candidate Starts for Gina_5:
(Start: 52 @2600 has 311 MA's), (Start: 70 @2714 has 2 MA's), (72, 2726), (78, 2765), (90, 2816), (94, 2831), (95, 2834), (102, 2855), (108, 2873), (140, 2939), (143, 2954), (150, 2975), (158, 2993), (163, 3026), (171, 3059), (182, 3095), (198, 3167), (203, 3203), (206, 3212), (219, 3263), (230, 3311), (231, 3317),

Gene: Gingerbug_61 Start: 36388, Stop: 37182, Start Num: 33
Candidate Starts for Gingerbug_61:
(Start: 33 @36388 has 1 MA's), (Start: 52 @36451 has 311 MA's), (Start: 70 @36553 has 2 MA's), (74, 36580), (97, 36679), (108, 36712), (140, 36778), (158, 36832), (192, 36970), (198, 37000), (203, 37036), (206, 37045), (211, 37060),

Gene: GingkoMaracino_84 Start: 46926, Stop: 46159, Start Num: 53
Candidate Starts for GingkoMaracino_84:
(Start: 40 @46959 has 1 MA's), (Start: 53 @46926 has 130 MA's), (59, 46905), (65, 46860), (67, 46839), (Start: 68 @46833 has 1 MA's), (Start: 73 @46791 has 2 MA's), (79, 46761), (81, 46746), (107, 46644), (109, 46641), (122, 46605), (143, 46533), (148, 46512), (184, 46383), (191, 46350), (197, 46323),

Gene: GirlDinner_65 Start: 44150, Stop: 43422, Start Num: 52
Candidate Starts for GirlDinner_65:
(Start: 52 @44150 has 311 MA's), (Start: 70 @44036 has 2 MA's), (121, 43859), (180, 43676), (199, 43595), (202, 43577), (232, 43439),

Gene: Glamour_55 Start: 37454, Stop: 36729, Start Num: 52
Candidate Starts for Glamour_55:
(Start: 52 @37454 has 311 MA's), (Start: 70 @37352 has 2 MA's), (94, 37244), (129, 37157), (140, 37127), (150, 37091), (155, 37079), (177, 36992), (192, 36935),

Gene: Glorp_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Glorp_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: GoingMerry_60 Start: 39525, Stop: 38794, Start Num: 52
Candidate Starts for GoingMerry_60:
(Start: 52 @39525 has 311 MA's), (Start: 70 @39423 has 2 MA's), (94, 39306), (113, 39255), (140, 39192), (153, 39147), (158, 39138), (177, 39057), (192, 39000), (203, 38934), (230, 38823),

Gene: Golden_52 Start: 36611, Stop: 35883, Start Num: 52
Candidate Starts for Golden_52:
(Start: 52 @36611 has 311 MA's), (Start: 70 @36509 has 2 MA's), (87, 36422), (94, 36392), (128, 36314), (140, 36281), (150, 36245), (169, 36185), (177, 36146), (178, 36143), (191, 36092), (198, 36059), (202, 36035), (206, 36014), (230, 35912),

Gene: GoneGirl_60 Start: 39659, Stop: 38925, Start Num: 52
Candidate Starts for GoneGirl_60:
(Start: 52 @39659 has 311 MA's), (Start: 70 @39557 has 2 MA's), (86, 39473), (94, 39440), (113, 39389), (153, 39278), (158, 39269), (177, 39188), (199, 39095), (203, 39065),

Gene: Gratitude_82 Start: 48207, Stop: 47449, Start Num: 52
Candidate Starts for Gratitude_82:
(Start: 52 @48207 has 311 MA's), (59, 48186), (61, 48174), (64, 48144), (67, 48120), (Start: 70 @48093 has 2 MA's), (Start: 73 @48072 has 2 MA's), (80, 48036), (81, 48027), (89, 47997), (96, 47967), (127, 47883), (131, 47874), (143, 47820), (154, 47784), (169, 47736), (192, 47637), (197, 47613), (198, 47610), (231, 47472),

Gene: Greys_59 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for Greys_59:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: Grif_82 Start: 47117, Stop: 46350, Start Num: 53
Candidate Starts for Grif_82:
(38, 47162), (Start: 53 @47117 has 130 MA's), (59, 47096), (65, 47051), (67, 47030), (Start: 68 @47024 has 1 MA's), (Start: 73 @46982 has 2 MA's), (79, 46952), (81, 46937), (107, 46835), (109, 46832), (122, 46796), (143, 46724), (148, 46703), (184, 46574), (191, 46541), (197, 46514),

Gene: Groupthink_84 Start: 46851, Stop: 46084, Start Num: 53
Candidate Starts for Groupthink_84:
(38, 46896), (Start: 53 @46851 has 130 MA's), (59, 46830), (64, 46788), (65, 46785), (67, 46764), (Start: 68 @46758 has 1 MA's), (Start: 73 @46716 has 2 MA's), (79, 46686), (81, 46671), (107, 46569), (122, 46530), (127, 46521), (141, 46470), (143, 46458), (184, 46308), (197, 46248),

Gene: Grub_82 Start: 47033, Stop: 46266, Start Num: 53
Candidate Starts for Grub_82:
(Start: 40 @47066 has 1 MA's), (Start: 53 @47033 has 130 MA's), (59, 47012), (65, 46967), (67, 46946), (Start: 68 @46940 has 1 MA's), (Start: 73 @46898 has 2 MA's), (79, 46868), (81, 46853), (107, 46751), (109, 46748), (122, 46712), (143, 46640), (148, 46619), (184, 46490), (191, 46457), (197, 46430),

Gene: Grum1_84 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Grum1_84:
(38, 47088), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: GtownJaz_84 Start: 47041, Stop: 46274, Start Num: 53
Candidate Starts for GtownJaz_84:
(Start: 40 @47074 has 1 MA's), (Start: 53 @47041 has 130 MA's), (59, 47020), (65, 46975), (67, 46954), (Start: 68 @46948 has 1 MA's), (Start: 73 @46906 has 2 MA's), (79, 46876), (81, 46861),

(107, 46759), (109, 46756), (122, 46720), (143, 46648), (148, 46627), (184, 46498), (191, 46465), (197, 46438),

Gene: Gubbabump_58 Start: 39238, Stop: 38507, Start Num: 52
Candidate Starts for Gubbabump_58:
(Start: 52 @39238 has 311 MA's), (Start: 70 @39136 has 2 MA's), (94, 39019), (113, 38968), (140, 38905), (153, 38860), (158, 38851), (177, 38770), (192, 38713), (199, 38677), (203, 38647), (230, 38536),

Gene: Guetzie_53 Start: 36703, Stop: 35975, Start Num: 52
Candidate Starts for Guetzie_53:
(Start: 52 @36703 has 311 MA's), (Start: 70 @36601 has 2 MA's), (87, 36514), (94, 36484), (128, 36406), (140, 36373), (150, 36337), (169, 36277), (177, 36238), (178, 36235), (191, 36184), (198, 36151), (202, 36127), (206, 36106),

Gene: GuyFagieri_4 Start: 2567, Stop: 3388, Start Num: 44
Candidate Starts for GuyFagieri_4:
(Start: 44 @2567 has 5 MA's), (63, 2630), (66, 2654), (84, 2771), (85, 2777), (89, 2789), (104, 2846), (105, 2858), (115, 2891), (124, 2927), (130, 2942), (151, 3023), (186, 3146), (198, 3206),

Gene: Gwennie_79 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for Gwennie_79:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: HairyMan_51 Start: 37234, Stop: 36458, Start Num: 36
Candidate Starts for HairyMan_51:
(Start: 36 @37234 has 1 MA's), (Start: 52 @37192 has 311 MA's), (Start: 70 @37090 has 2 MA's), (94, 36973), (101, 36952), (102, 36949), (127, 36895), (177, 36724), (192, 36667), (199, 36631),

Gene: Hamlet_58 Start: 39523, Stop: 38792, Start Num: 52
Candidate Starts for Hamlet_58:
(Start: 52 @39523 has 311 MA's), (69, 39424), (Start: 70 @39421 has 2 MA's), (94, 39304), (113, 39253), (153, 39145), (158, 39136), (177, 39055), (192, 38998), (199, 38962), (203, 38932), (216, 38884), (230, 38821),

Gene: HanSolo_58 Start: 39248, Stop: 38517, Start Num: 52
Candidate Starts for HanSolo_58:
(Start: 52 @39248 has 311 MA's), (Start: 70 @39146 has 2 MA's), (94, 39029), (113, 38978), (140, 38915), (153, 38870), (158, 38861), (177, 38780), (192, 38723), (203, 38657), (230, 38546),

Gene: HankSprout_59 Start: 39167, Stop: 38436, Start Num: 52
Candidate Starts for HankSprout_59:
(Start: 52 @39167 has 311 MA's), (Start: 70 @39065 has 2 MA's), (94, 38948), (113, 38897), (140, 38834), (153, 38789), (158, 38780), (177, 38699), (192, 38642), (203, 38576), (230, 38465),

Gene: Hanray_86 Start: 48753, Stop: 47992, Start Num: 53
Candidate Starts for Hanray_86:
(21, 48879), (Start: 53 @48753 has 130 MA's), (64, 48693), (67, 48669), (Start: 70 @48642 has 2 MA's), (74, 48615), (84, 48561), (96, 48513), (102, 48495), (107, 48471), (131, 48420), (138, 48393), (143, 48366), (197, 48153), (198, 48150), (205, 48117), (231, 48015),

Gene: HarryHoudini_84 Start: 48232, Stop: 47474, Start Num: 52
Candidate Starts for HarryHoudini_84:
(Start: 52 @48232 has 311 MA's), (59, 48211), (61, 48199), (64, 48169), (67, 48145), (Start: 70 @48118 has 2 MA's), (Start: 73 @48097 has 2 MA's), (80, 48061), (81, 48052), (89, 48022), (96, 47992), (107, 47950), (127, 47908), (131, 47899), (143, 47845), (154, 47809), (169, 47761), (192, 47662), (197, 47638), (198, 47635), (231, 47497),

Gene: HashRod_85 Start: 47070, Stop: 46303, Start Num: 53
Candidate Starts for HashRod_85:
(Start: 40 @47103 has 1 MA's), (Start: 53 @47070 has 130 MA's), (59, 47049), (65, 47004), (67, 46983), (Start: 68 @46977 has 1 MA's), (Start: 73 @46935 has 2 MA's), (79, 46905), (81, 46890), (107, 46788), (109, 46785), (122, 46749), (143, 46677), (148, 46656), (184, 46527), (191, 46494), (197, 46467),

Gene: HaveUMetTed_84 Start: 46839, Stop: 46072, Start Num: 53
Candidate Starts for HaveUMetTed_84:
(38, 46884), (Start: 53 @46839 has 130 MA's), (59, 46818), (64, 46776), (65, 46773), (67, 46752), (Start: 68 @46746 has 1 MA's), (Start: 73 @46704 has 2 MA's), (79, 46674), (81, 46659), (107, 46557), (122, 46518), (127, 46509), (141, 46458), (143, 46446), (184, 46296), (197, 46236),

Gene: Heffalump_81 Start: 48603, Stop: 47842, Start Num: 49
Candidate Starts for Heffalump_81:
(Start: 49 @48603 has 3 MA's), (Start: 52 @48600 has 311 MA's), (59, 48579), (64, 48537), (65, 48534), (67, 48513), (Start: 70 @48486 has 2 MA's), (Start: 73 @48465 has 2 MA's), (80, 48429), (81, 48420), (96, 48360), (127, 48276), (131, 48267), (143, 48213), (154, 48177), (169, 48129), (192, 48030), (198, 48003), (213, 47937), (231, 47865),

Gene: Heliosoles_81 Start: 46855, Stop: 46088, Start Num: 53
Candidate Starts for Heliosoles_81:
(38, 46900), (Start: 53 @46855 has 130 MA's), (59, 46834), (64, 46792), (65, 46789), (67, 46768), (Start: 68 @46762 has 1 MA's), (Start: 73 @46720 has 2 MA's), (79, 46690), (81, 46675), (107, 46573), (122, 46534), (127, 46525), (141, 46474), (143, 46462), (184, 46312), (197, 46252),

Gene: Hercules11_84 Start: 47052, Stop: 46285, Start Num: 53
Candidate Starts for Hercules11_84:
(38, 47097), (Start: 53 @47052 has 130 MA's), (59, 47031), (65, 46986), (67, 46965), (Start: 68 @46959 has 1 MA's), (Start: 73 @46917 has 2 MA's), (79, 46887), (81, 46872), (107, 46770), (109, 46767), (122, 46731), (143, 46659), (148, 46638), (184, 46509), (191, 46476), (197, 46449),

Gene: HerculesXL_52 Start: 35965, Stop: 35231, Start Num: 52
Candidate Starts for HerculesXL_52:
(Start: 52 @35965 has 311 MA's), (62, 35932), (Start: 70 @35863 has 2 MA's), (94, 35746), (100, 35728), (113, 35695), (135, 35650), (143, 35617), (177, 35494), (185, 35467), (192, 35437), (198, 35407), (202, 35383), (203, 35371),

Gene: Hermeonysus_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Hermeonysus_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: HippoHollow_81 Start: 49238, Stop: 48504, Start Num: 53
Candidate Starts for HippoHollow_81:

(Start: 53 @49238 has 130 MA's), (64, 49181), (67, 49157), (Start: 70 @49130 has 2 MA's), (101, 48989), (103, 48983), (141, 48881), (143, 48869), (155, 48836), (184, 48722), (197, 48662), (198, 48659), (212, 48599),

Gene: Holex_87 Start: 48766, Stop: 48005, Start Num: 53
Candidate Starts for Holex_87:
(21, 48892), (Start: 53 @48766 has 130 MA's), (64, 48706), (67, 48682), (Start: 70 @48655 has 2 MA's), (74, 48628), (84, 48574), (96, 48526), (102, 48508), (107, 48484), (131, 48433), (138, 48406), (143, 48379), (197, 48166), (198, 48163), (205, 48130), (231, 48028),

Gene: Honeyfin_8 Start: 3688, Stop: 4428, Start Num: 52
Candidate Starts for Honeyfin_8:
(Start: 52 @3688 has 311 MA's), (62, 3721), (Start: 70 @3790 has 2 MA's), (72, 3802), (74, 3817), (90, 3892), (94, 3907), (150, 4051), (158, 4069), (171, 4135), (182, 4171), (202, 4267), (203, 4279), (230, 4390), (238, 4420),

Gene: HortumSL17_89 Start: 48808, Stop: 48047, Start Num: 53
Candidate Starts for HortumSL17_89:
(Start: 53 @48808 has 130 MA's), (64, 48748), (Start: 70 @48697 has 2 MA's), (74, 48670), (84, 48616), (96, 48568), (102, 48550), (107, 48526), (131, 48475), (138, 48448), (143, 48421), (197, 48208), (198, 48205), (205, 48172), (231, 48070),

Gene: HungryHenry_58 Start: 39261, Stop: 38530, Start Num: 52
Candidate Starts for HungryHenry_58:
(Start: 52 @39261 has 311 MA's), (Start: 70 @39159 has 2 MA's), (94, 39042), (113, 38991), (140, 38928), (153, 38883), (158, 38874), (177, 38793), (192, 38736), (199, 38700), (203, 38670), (230, 38559),

Gene: Hutc2_82 Start: 46203, Stop: 45445, Start Num: 52
Candidate Starts for Hutc2_82:
(Start: 52 @46203 has 311 MA's), (59, 46179), (64, 46137), (Start: 70 @46086 has 2 MA's), (Start: 73 @46065 has 2 MA's), (75, 46056), (79, 46035), (80, 46029), (81, 46020), (105, 45933), (107, 45918), (131, 45870), (138, 45843), (143, 45816), (221, 45513), (231, 45468),

Gene: Ilzat_58 Start: 39271, Stop: 38540, Start Num: 52
Candidate Starts for Ilzat_58:
(Start: 52 @39271 has 311 MA's), (Start: 70 @39169 has 2 MA's), (94, 39052), (113, 39001), (140, 38938), (153, 38893), (158, 38884), (177, 38803), (192, 38746), (203, 38680), (230, 38569),

Gene: Insomnia_85 Start: 47497, Stop: 46739, Start Num: 52
Candidate Starts for Insomnia_85:
(Start: 52 @47497 has 311 MA's), (59, 47473), (64, 47431), (Start: 70 @47380 has 2 MA's), (Start: 73 @47359 has 2 MA's), (75, 47350), (79, 47329), (80, 47323), (81, 47314), (105, 47227), (107, 47212), (131, 47164), (138, 47137), (143, 47110), (221, 46807), (231, 46762),

Gene: Inventa_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Inventa_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: Ioannes_59 Start: 39625, Stop: 38894, Start Num: 52
Candidate Starts for Ioannes_59:

(Start: 52 @39625 has 311 MA's), (Start: 70 @39523 has 2 MA's), (94, 39406), (113, 39355), (140, 39292), (153, 39247), (158, 39238), (177, 39157), (192, 39100), (203, 39034), (230, 38923),

Gene: Issmi_67 Start: 44348, Stop: 43623, Start Num: 52
Candidate Starts for Issmi_67:
(Start: 52 @44348 has 311 MA's), (Start: 70 @44240 has 2 MA's), (74, 44213), (91, 44144), (115, 44087), (130, 44039), (134, 44033), (158, 43958), (173, 43901), (180, 43880), (189, 43844), (195, 43817), (199, 43796), (230, 43655),

Gene: Ixel_54 Start: 37422, Stop: 36688, Start Num: 52
Candidate Starts for Ixel_54:
(Start: 52 @37422 has 311 MA's), (62, 37389), (69, 37323), (Start: 70 @37320 has 2 MA's), (101, 37182), (113, 37152), (135, 37104), (192, 36894), (199, 36858), (202, 36840), (203, 36828),

Gene: JHC117_79 Start: 47038, Stop: 46271, Start Num: 53
Candidate Starts for JHC117_79:
(38, 47083), (Start: 53 @47038 has 130 MA's), (59, 47017), (65, 46972), (67, 46951), (Start: 68 @46945 has 1 MA's), (Start: 73 @46903 has 2 MA's), (79, 46873), (81, 46858), (107, 46756), (109, 46753), (122, 46717), (143, 46645), (148, 46624), (184, 46495), (191, 46462), (197, 46435),

Gene: Jabith_85 Start: 47511, Stop: 46753, Start Num: 52
Candidate Starts for Jabith_85:
(Start: 52 @47511 has 311 MA's), (59, 47487), (64, 47445), (Start: 70 @47394 has 2 MA's), (Start: 73 @47373 has 2 MA's), (75, 47364), (79, 47343), (80, 47337), (81, 47328), (105, 47241), (107, 47226), (131, 47178), (138, 47151), (143, 47124), (221, 46821), (231, 46776),

Gene: Janus_66 Start: 44490, Stop: 43762, Start Num: 52
Candidate Starts for Janus_66:
(Start: 52 @44490 has 311 MA's), (Start: 70 @44376 has 2 MA's), (121, 44199), (180, 44016), (199, 43935), (202, 43917), (232, 43779),

Gene: Janus167_58 Start: 39276, Stop: 38545, Start Num: 52
Candidate Starts for Janus167_58:
(Start: 52 @39276 has 311 MA's), (Start: 70 @39174 has 2 MA's), (94, 39057), (113, 39006), (140, 38943), (153, 38898), (158, 38889), (177, 38808), (192, 38751), (203, 38685), (230, 38574),

Gene: JasonD_60 Start: 39835, Stop: 39107, Start Num: 52
Candidate Starts for JasonD_60:
(Start: 52 @39835 has 311 MA's), (Start: 70 @39736 has 2 MA's), (97, 39610), (113, 39568), (140, 39505), (153, 39460), (158, 39451), (177, 39370), (203, 39247),

Gene: JasperRussell_58 Start: 39296, Stop: 38565, Start Num: 52
Candidate Starts for JasperRussell_58:
(Start: 52 @39296 has 311 MA's), (Start: 70 @39194 has 2 MA's), (94, 39077), (113, 39026), (140, 38963), (153, 38918), (158, 38909), (177, 38828), (192, 38771), (203, 38705), (230, 38594),

Gene: Jayden_6 Start: 3181, Stop: 3930, Start Num: 52
Candidate Starts for Jayden_6:
(23, 3067), (Start: 52 @3181 has 311 MA's), (Start: 70 @3295 has 2 MA's), (72, 3307), (90, 3397), (94, 3412), (108, 3454), (150, 3556), (158, 3574), (171, 3640), (182, 3676), (198, 3748), (203, 3784), (206, 3793), (230, 3892), (231, 3898),

Gene: Jefe_8 Start: 3682, Stop: 4422, Start Num: 52

Candidate Starts for Jefe_8:
(Start: 52 @3682 has 311 MA's), (62, 3715), (Start: 70 @3784 has 2 MA's), (72, 3796), (74, 3811), (90, 3886), (94, 3901), (150, 4045), (158, 4063), (171, 4129), (182, 4165), (198, 4237), (202, 4261), (203, 4273), (230, 4384),

Gene: Jemerald_53 Start: 37321, Stop: 36590, Start Num: 52
Candidate Starts for Jemerald_53:
(41, 37357), (43, 37348), (Start: 52 @37321 has 311 MA's), (Start: 68 @37240 has 1 MA's), (Start: 70 @37219 has 2 MA's), (72, 37207), (94, 37102), (102, 37078), (113, 37051), (127, 37027), (135, 37009), (140, 36991), (158, 36937), (185, 36829), (192, 36799), (203, 36733),

Gene: JenCasNa_85 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for JenCasNa_85:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Jenos_60 Start: 40133, Stop: 39405, Start Num: 52
Candidate Starts for Jenos_60:
(Start: 52 @40133 has 311 MA's), (Start: 70 @40034 has 2 MA's), (74, 40007), (97, 39908), (113, 39866), (140, 39803), (153, 39758), (158, 39749), (177, 39668), (203, 39545),

Gene: JeppNRM_84 Start: 46853, Stop: 46086, Start Num: 53
Candidate Starts for JeppNRM_84:
(38, 46898), (Start: 53 @46853 has 130 MA's), (59, 46832), (65, 46787), (67, 46766), (Start: 68 @46760 has 1 MA's), (Start: 73 @46718 has 2 MA's), (79, 46688), (107, 46571), (122, 46532), (141, 46472), (143, 46460), (184, 46310), (197, 46250),

Gene: Jerbirus_60 Start: 39291, Stop: 38560, Start Num: 52
Candidate Starts for Jerbirus_60:
(Start: 52 @39291 has 311 MA's), (Start: 70 @39189 has 2 MA's), (94, 39072), (113, 39021), (140, 38958), (153, 38913), (158, 38904), (177, 38823), (192, 38766), (199, 38730), (203, 38700), (230, 38589),

Gene: JeriBeth_60 Start: 39179, Stop: 38448, Start Num: 52
Candidate Starts for JeriBeth_60:
(Start: 52 @39179 has 311 MA's), (Start: 70 @39077 has 2 MA's), (94, 38960), (113, 38909), (140, 38846), (153, 38801), (158, 38792), (177, 38711), (192, 38654), (203, 38588), (230, 38477),

Gene: Jerm_86 Start: 48784, Stop: 48029, Start Num: 52
Candidate Starts for Jerm_86:
(Start: 52 @48784 has 311 MA's), (59, 48763), (64, 48721), (67, 48697), (Start: 73 @48649 has 2 MA's), (87, 48580), (96, 48544), (124, 48466), (143, 48397), (148, 48376), (197, 48190), (198, 48187), (231, 48049),

Gene: Jiawan_86 Start: 48783, Stop: 48022, Start Num: 53
Candidate Starts for Jiawan_86:
(21, 48909), (Start: 53 @48783 has 130 MA's), (64, 48723), (67, 48699), (Start: 70 @48672 has 2 MA's), (74, 48645), (84, 48591), (96, 48543), (102, 48525), (107, 48501), (131, 48450), (138, 48423), (143, 48396), (197, 48183), (198, 48180), (205, 48147), (231, 48045),

Gene: Jingles_50 Start: 36236, Stop: 35499, Start Num: 52

Candidate Starts for Jingles_50:
(Start: 52 @36236 has 311 MA's), (Start: 70 @36125 has 2 MA's), (84, 36050), (87, 36038), (94, 36008), (128, 35930), (140, 35897), (150, 35861), (177, 35762), (178, 35759), (191, 35708), (198, 35675), (202, 35651), (206, 35630), (230, 35528),

Gene: Jobu08_80 Start: 46867, Stop: 46100, Start Num: 53
Candidate Starts for Jobu08_80:
(Start: 40 @46900 has 1 MA's), (Start: 53 @46867 has 130 MA's), (59, 46846), (65, 46801), (67, 46780), (Start: 68 @46774 has 1 MA's), (Start: 73 @46732 has 2 MA's), (79, 46702), (81, 46687), (107, 46585), (109, 46582), (122, 46546), (143, 46474), (148, 46453), (184, 46324), (191, 46291), (197, 46264),

Gene: Jollipop_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Jollipop_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Joselito_85 Start: 47531, Stop: 46773, Start Num: 52
Candidate Starts for Joselito_85:
(Start: 52 @47531 has 311 MA's), (59, 47507), (64, 47465), (Start: 70 @47414 has 2 MA's), (Start: 73 @47393 has 2 MA's), (75, 47384), (79, 47363), (80, 47357), (81, 47348), (105, 47261), (107, 47246), (131, 47198), (138, 47171), (143, 47144), (221, 46841), (231, 46796),

Gene: JoshKayV_86 Start: 48952, Stop: 48197, Start Num: 52
Candidate Starts for JoshKayV_86:
(Start: 52 @48952 has 311 MA's), (59, 48931), (64, 48889), (67, 48865), (Start: 73 @48817 has 2 MA's), (87, 48748), (124, 48634), (143, 48565), (148, 48544), (197, 48358), (198, 48355), (205, 48322), (231, 48217),

Gene: Jsquared_88 Start: 47818, Stop: 47057, Start Num: 52
Candidate Starts for Jsquared_88:
(Start: 52 @47818 has 311 MA's), (59, 47794), (64, 47752), (Start: 73 @47680 has 2 MA's), (79, 47650), (80, 47644), (96, 47575), (107, 47533), (131, 47485), (143, 47431), (146, 47422), (168, 47347), (184, 47281), (197, 47221), (198, 47218), (221, 47125), (231, 47080),

Gene: Juanyo_52 Start: 36366, Stop: 35638, Start Num: 52
Candidate Starts for Juanyo_52:
(Start: 52 @36366 has 311 MA's), (Start: 70 @36264 has 2 MA's), (72, 36252), (84, 36189), (99, 36132), (101, 36126), (113, 36096), (134, 36057), (140, 36036), (167, 35946), (206, 35769), (217, 35718), (223, 35706),

Gene: Juicer_53 Start: 37321, Stop: 36590, Start Num: 52
Candidate Starts for Juicer_53:
(41, 37357), (43, 37348), (Start: 52 @37321 has 311 MA's), (Start: 68 @37240 has 1 MA's), (Start: 70 @37219 has 2 MA's), (72, 37207), (94, 37102), (102, 37078), (113, 37051), (127, 37027), (135, 37009), (140, 36991), (158, 36937), (185, 36829), (192, 36799), (203, 36733),

Gene: KADY_81 Start: 47070, Stop: 46303, Start Num: 53
Candidate Starts for KADY_81:
(38, 47115), (Start: 53 @47070 has 130 MA's), (59, 47049), (65, 47004), (67, 46983), (Start: 68 @46977 has 1 MA's), (Start: 73 @46935 has 2 MA's), (79, 46905), (81, 46890), (107, 46788), (109, 46785), (122, 46749), (143, 46677), (148, 46656), (184, 46527), (191, 46494), (197, 46467),

Gene: KaiHaiDragon_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for KaiHaiDragon_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Kalb97_84 Start: 46221, Stop: 45454, Start Num: 53
Candidate Starts for Kalb97_84:
(38, 46266), (Start: 53 @46221 has 130 MA's), (59, 46200), (64, 46158), (65, 46155), (67, 46134), (Start: 68 @46128 has 1 MA's), (Start: 73 @46086 has 2 MA's), (79, 46056), (81, 46041), (107, 45939), (122, 45900), (127, 45891), (141, 45840), (143, 45828), (184, 45678), (197, 45618),

Gene: Kale_58 Start: 39303, Stop: 38572, Start Num: 52
Candidate Starts for Kale_58:
(Start: 52 @39303 has 311 MA's), (Start: 70 @39201 has 2 MA's), (94, 39084), (113, 39033), (140, 38970), (153, 38925), (158, 38916), (177, 38835), (192, 38778), (199, 38742), (203, 38712), (230, 38601),

Gene: Kalnoky_84 Start: 46848, Stop: 46081, Start Num: 53
Candidate Starts for Kalnoky_84:
(38, 46893), (Start: 53 @46848 has 130 MA's), (59, 46827), (64, 46785), (65, 46782), (67, 46761), (Start: 68 @46755 has 1 MA's), (Start: 73 @46713 has 2 MA's), (79, 46683), (81, 46668), (107, 46566), (122, 46527), (127, 46518), (141, 46467), (143, 46455), (184, 46305), (197, 46245),

Gene: Kalpine_86 Start: 48951, Stop: 48190, Start Num: 49
Candidate Starts for Kalpine_86:
(Start: 49 @48951 has 3 MA's), (Start: 52 @48948 has 311 MA's), (59, 48924), (64, 48882), (65, 48879), (67, 48858), (Start: 70 @48831 has 2 MA's), (Start: 73 @48810 has 2 MA's), (80, 48774), (81, 48765), (96, 48705), (127, 48627), (131, 48618), (143, 48564), (184, 48408), (198, 48348), (210, 48300), (212, 48288), (231, 48210),

Gene: KannH_58 Start: 39296, Stop: 38565, Start Num: 52
Candidate Starts for KannH_58:
(Start: 52 @39296 has 311 MA's), (Start: 70 @39194 has 2 MA's), (94, 39077), (113, 39026), (140, 38963), (153, 38918), (158, 38909), (177, 38828), (192, 38771), (203, 38705), (230, 38594),

Gene: Kauala_50 Start: 36328, Stop: 35600, Start Num: 52
Candidate Starts for Kauala_50:
(Start: 52 @36328 has 311 MA's), (Start: 70 @36226 has 2 MA's), (84, 36151), (87, 36139), (94, 36109), (128, 36031), (140, 35998), (150, 35962), (158, 35944), (161, 35923), (178, 35860), (198, 35776), (202, 35752), (206, 35731), (230, 35629),

Gene: Kavo_52 Start: 36011, Stop: 35277, Start Num: 52
Candidate Starts for Kavo_52:
(Start: 52 @36011 has 311 MA's), (62, 35978), (Start: 70 @35909 has 2 MA's), (94, 35792), (100, 35774), (113, 35741), (135, 35696), (143, 35663), (177, 35540), (185, 35513), (192, 35483), (202, 35429), (203, 35417),

Gene: KellyGreen_60 Start: 39285, Stop: 38554, Start Num: 52
Candidate Starts for KellyGreen_60:
(Start: 52 @39285 has 311 MA's), (Start: 70 @39183 has 2 MA's), (94, 39066), (113, 39015), (140, 38952), (153, 38907), (158, 38898), (177, 38817), (192, 38760), (199, 38724), (203, 38694), (230,

38583),

Gene: Kerberos_84 Start: 47970, Stop: 47197, Start Num: 53
Candidate Starts for Kerberos_84:
(Start: 53 @47970 has 130 MA's), (59, 47946), (64, 47904), (67, 47880), (Start: 73 @47832 has 2 MA's), (79, 47802), (80, 47796), (105, 47700), (107, 47685), (114, 47673), (143, 47571), (148, 47550), (198, 47358), (231, 47220),

Gene: Keziacharles14_85 Start: 49281, Stop: 48520, Start Num: 53
Candidate Starts for Keziacharles14_85:
(Start: 53 @49281 has 130 MA's), (59, 49260), (61, 49248), (Start: 70 @49167 has 2 MA's), (74, 49140), (84, 49089), (96, 49041), (107, 48999), (124, 48963), (131, 48948), (138, 48921), (143, 48894), (148, 48873), (198, 48678), (205, 48645), (231, 48543),

Gene: Kimba_83 Start: 46834, Stop: 46076, Start Num: 52
Candidate Starts for Kimba_83:
(Start: 52 @46834 has 311 MA's), (59, 46810), (64, 46768), (Start: 70 @46717 has 2 MA's), (Start: 73 @46696 has 2 MA's), (75, 46687), (79, 46666), (80, 46660), (81, 46651), (105, 46564), (107, 46549), (131, 46501), (138, 46474), (143, 46447), (221, 46144), (231, 46099),

Gene: KingCyrus_83 Start: 49650, Stop: 48895, Start Num: 52
Candidate Starts for KingCyrus_83:
(Start: 52 @49650 has 311 MA's), (59, 49629), (64, 49587), (67, 49563), (Start: 73 @49515 has 2 MA's), (87, 49446), (96, 49410), (124, 49332), (143, 49263), (148, 49242), (197, 49056), (198, 49053), (231, 48915),

Gene: KingJulien_57 Start: 39318, Stop: 38587, Start Num: 52
Candidate Starts for KingJulien_57:
(Start: 52 @39318 has 311 MA's), (69, 39219), (Start: 70 @39216 has 2 MA's), (94, 39099), (113, 39048), (153, 38940), (158, 38931), (177, 38850), (192, 38793), (199, 38757), (203, 38727), (216, 38679), (230, 38616),

Gene: Klimt_59 Start: 39319, Stop: 38588, Start Num: 52
Candidate Starts for Klimt_59:
(Start: 52 @39319 has 311 MA's), (Start: 70 @39217 has 2 MA's), (94, 39100), (113, 39049), (140, 38986), (153, 38941), (158, 38932), (177, 38851), (192, 38794), (199, 38758), (203, 38728), (230, 38617),

Gene: Klodlith_84 Start: 48164, Stop: 47400, Start Num: 53
Candidate Starts for Klodlith_84:
(Start: 53 @48164 has 130 MA's), (59, 48140), (Start: 70 @48047 has 2 MA's), (74, 48020), (96, 47921), (107, 47879), (131, 47828), (138, 47801), (143, 47774), (148, 47753), (198, 47558), (205, 47525), (231, 47423),

Gene: Knox_59 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for Knox_59:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: Koduck_84 Start: 47157, Stop: 46399, Start Num: 52
Candidate Starts for Koduck_84:
(Start: 52 @47157 has 311 MA's), (59, 47133), (64, 47091), (67, 47067), (Start: 70 @47040 has 2 MA's), (Start: 73 @47019 has 2 MA's), (79, 46989), (96, 46914), (97, 46911), (101, 46899), (107,

46872), (131, 46827), (141, 46785), (143, 46773), (145, 46770), (192, 46587), (197, 46563), (198, 46560), (231, 46422),

Gene: Koji_50 Start: 36330, Stop: 35593, Start Num: 52
Candidate Starts for Koji_50:
(Start: 52 @36330 has 311 MA's), (Start: 70 @36219 has 2 MA's), (84, 36144), (87, 36132), (94, 36102), (128, 36024), (140, 35991), (150, 35955), (177, 35856), (178, 35853), (191, 35802), (198, 35769), (202, 35745), (206, 35724), (230, 35622),

Gene: Kouch_59 Start: 39249, Stop: 38518, Start Num: 52
Candidate Starts for Kouch_59:
(Start: 52 @39249 has 311 MA's), (Start: 70 @39147 has 2 MA's), (94, 39030), (113, 38979), (140, 38916), (153, 38871), (158, 38862), (177, 38781), (192, 38724), (199, 38688), (203, 38658), (230, 38547),

Gene: Kowalski_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Kowalski_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Kurt1_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Kurt1_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: L5_77 Start: 47048, Stop: 46290, Start Num: 52
Candidate Starts for L5_77:
(Start: 52 @47048 has 311 MA's), (59, 47024), (64, 46982), (67, 46958), (Start: 70 @46931 has 2 MA's), (Start: 73 @46910 has 2 MA's), (79, 46880), (96, 46805), (97, 46802), (101, 46790), (107, 46763), (131, 46718), (141, 46676), (143, 46664), (145, 46661), (192, 46478), (197, 46454), (198, 46451), (231, 46313),

Gene: LBerry_85 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for LBerry_85:
(Start: 40 @47077 has 1 MA's), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: LadyBird_88 Start: 48874, Stop: 48116, Start Num: 52
Candidate Starts for LadyBird_88:
(Start: 52 @48874 has 311 MA's), (59, 48853), (64, 48811), (Start: 70 @48760 has 2 MA's), (Start: 73 @48739 has 2 MA's), (80, 48703), (81, 48694), (89, 48664), (96, 48634), (131, 48541), (143, 48487), (154, 48451), (169, 48403), (192, 48304), (198, 48277), (210, 48229), (231, 48139),

Gene: Larenn_82 Start: 48228, Stop: 47470, Start Num: 52
Candidate Starts for Larenn_82:
(Start: 52 @48228 has 311 MA's), (59, 48207), (64, 48165), (67, 48141), (Start: 70 @48114 has 2 MA's), (Start: 73 @48093 has 2 MA's), (80, 48057), (81, 48048), (89, 48018), (96, 47988), (107, 47946), (127, 47904), (131, 47895), (143, 47841), (154, 47805), (169, 47757), (197, 47634), (198, 47631), (210, 47583), (231, 47493),

Gene: LarryKay_84 Start: 47074, Stop: 46307, Start Num: 53
Candidate Starts for LarryKay_84:
(38, 47119), (Start: 53 @47074 has 130 MA's), (59, 47053), (65, 47008), (67, 46987), (Start: 68 @46981 has 1 MA's), (Start: 73 @46939 has 2 MA's), (79, 46909), (81, 46894), (107, 46792), (109, 46789), (122, 46753), (143, 46681), (148, 46660), (184, 46531), (191, 46498), (197, 46471),

Gene: Leafus_58 Start: 39580, Stop: 38849, Start Num: 52
Candidate Starts for Leafus_58:
(Start: 52 @39580 has 311 MA's), (69, 39481), (Start: 70 @39478 has 2 MA's), (94, 39361), (113, 39310), (153, 39202), (158, 39193), (177, 39112), (192, 39055), (199, 39019), (203, 38989), (216, 38941), (230, 38878),

Gene: Lesiram_63 Start: 36202, Stop: 36945, Start Num: 52
Candidate Starts for Lesiram_63:
(1, 35497), (2, 35500), (3, 35539), (5, 35851), (6, 35875), (8, 35914), (9, 35959), (10, 35983), (Start: 36 @36148 has 1 MA's), (Start: 52 @36202 has 311 MA's), (62, 36247), (Start: 70 @36316 has 2 MA's), (84, 36391), (97, 36442), (108, 36475), (111, 36481), (140, 36541), (153, 36586), (158, 36595), (191, 36730), (198, 36763), (199, 36769), (203, 36799), (206, 36808), (226, 36892), (236, 36934),

Gene: Leviathan_86 Start: 48865, Stop: 48110, Start Num: 52
Candidate Starts for Leviathan_86:
(Start: 52 @48865 has 311 MA's), (59, 48844), (64, 48802), (67, 48778), (Start: 73 @48730 has 2 MA's), (87, 48661), (96, 48625), (124, 48547), (143, 48478), (148, 48457), (197, 48271), (198, 48268), (231, 48130),

Gene: LilTurb_85 Start: 48661, Stop: 47906, Start Num: 52
Candidate Starts for LilTurb_85:
(Start: 52 @48661 has 311 MA's), (59, 48640), (64, 48598), (67, 48574), (Start: 73 @48526 has 2 MA's), (87, 48457), (96, 48421), (124, 48343), (143, 48274), (148, 48253), (197, 48067), (198, 48064), (231, 47926),

Gene: Lilith_82 Start: 47033, Stop: 46266, Start Num: 53
Candidate Starts for Lilith_82:
(Start: 40 @47066 has 1 MA's), (Start: 53 @47033 has 130 MA's), (59, 47012), (65, 46967), (67, 46946), (Start: 68 @46940 has 1 MA's), (Start: 73 @46898 has 2 MA's), (79, 46868), (81, 46853), (107, 46751), (109, 46748), (122, 46712), (143, 46640), (148, 46619), (184, 46490), (191, 46457), (197, 46430),

Gene: Lilleskat_85 Start: 48763, Stop: 48002, Start Num: 53
Candidate Starts for Lilleskat_85:
(21, 48889), (Start: 53 @48763 has 130 MA's), (64, 48703), (67, 48679), (Start: 70 @48652 has 2 MA's), (74, 48625), (84, 48571), (96, 48523), (102, 48505), (107, 48481), (131, 48430), (138, 48403), (143, 48376), (197, 48163), (198, 48160), (205, 48127), (231, 48025),

Gene: LionsBait_83 Start: 49178, Stop: 48444, Start Num: 53
Candidate Starts for LionsBait_83:
(Start: 53 @49178 has 130 MA's), (64, 49121), (67, 49097), (Start: 70 @49070 has 2 MA's), (101, 48929), (103, 48923), (141, 48821), (143, 48809), (155, 48776), (184, 48662), (197, 48602), (198, 48599), (212, 48539),

Gene: LittleFortune_8 Start: 3688, Stop: 4428, Start Num: 52
Candidate Starts for LittleFortune_8:

(Start: 52 @3688 has 311 MA's), (62, 3721), (Start: 70 @3790 has 2 MA's), (72, 3802), (74, 3817), (90, 3892), (94, 3907), (150, 4051), (158, 4069), (171, 4135), (182, 4171), (198, 4243), (202, 4267), (203, 4279), (230, 4390),

Gene: Lokk_79 Start: 46740, Stop: 45985, Start Num: 52
Candidate Starts for Lokk_79:
(Start: 52 @46740 has 311 MA's), (59, 46719), (61, 46707), (67, 46653), (Start: 70 @46626 has 2 MA's), (79, 46575), (91, 46515), (96, 46500), (107, 46458), (127, 46416), (143, 46353), (184, 46203), (231, 46008),

Gene: LoneWolf_88 Start: 48806, Stop: 48045, Start Num: 53
Candidate Starts for LoneWolf_88:
(Start: 53 @48806 has 130 MA's), (64, 48746), (67, 48722), (Start: 70 @48695 has 2 MA's), (74, 48668), (84, 48614), (96, 48566), (107, 48524), (127, 48482), (131, 48473), (138, 48446), (143, 48419), (159, 48368), (184, 48269), (197, 48206), (198, 48203), (205, 48170), (231, 48068),

Gene: Loser_87 Start: 49116, Stop: 48361, Start Num: 52
Candidate Starts for Loser_87:
(Start: 52 @49116 has 311 MA's), (59, 49095), (64, 49053), (67, 49029), (Start: 70 @49002 has 2 MA's), (Start: 73 @48981 has 2 MA's), (80, 48945), (81, 48936), (89, 48906), (96, 48876), (127, 48792), (131, 48783), (143, 48729), (154, 48693), (169, 48645), (198, 48519), (231, 48381),

Gene: Louie6_83 Start: 47071, Stop: 46304, Start Num: 53
Candidate Starts for Louie6_83:
(38, 47116), (Start: 53 @47071 has 130 MA's), (59, 47050), (65, 47005), (67, 46984), (Start: 68 @46978 has 1 MA's), (Start: 73 @46936 has 2 MA's), (79, 46906), (81, 46891), (107, 46789), (109, 46786), (122, 46750), (143, 46678), (148, 46657), (184, 46528), (191, 46495), (197, 46468),

Gene: Lovelyunicorn_59 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for Lovelyunicorn_59:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: Lowa_81 Start: 47032, Stop: 46265, Start Num: 53
Candidate Starts for Lowa_81:
(Start: 40 @47065 has 1 MA's), (Start: 53 @47032 has 130 MA's), (59, 47011), (65, 46966), (67, 46945), (Start: 68 @46939 has 1 MA's), (Start: 73 @46897 has 2 MA's), (79, 46867), (81, 46852), (107, 46750), (109, 46747), (122, 46711), (143, 46639), (148, 46618), (184, 46489), (191, 46456), (197, 46429),

Gene: Lucivia_87 Start: 47810, Stop: 47052, Start Num: 52
Candidate Starts for Lucivia_87:
(Start: 52 @47810 has 311 MA's), (59, 47786), (64, 47744), (Start: 70 @47693 has 2 MA's), (Start: 73 @47672 has 2 MA's), (75, 47663), (79, 47642), (80, 47636), (81, 47627), (105, 47540), (107, 47525), (131, 47477), (138, 47450), (143, 47423), (221, 47120), (231, 47075),

Gene: Lucky3_52 Start: 36611, Stop: 35883, Start Num: 52
Candidate Starts for Lucky3_52:
(Start: 52 @36611 has 311 MA's), (Start: 70 @36509 has 2 MA's), (87, 36422), (94, 36392), (128, 36314), (140, 36281), (150, 36245), (169, 36185), (177, 36146), (178, 36143), (191, 36092), (198, 36059), (202, 36035), (206, 36014), (230, 35912),

Gene: Lucretia_8 Start: 3691, Stop: 4431, Start Num: 52

Candidate Starts for Lucretia_8:
(Start: 52 @3691 has 311 MA's), (62, 3724), (Start: 70 @3793 has 2 MA's), (72, 3805), (74, 3820), (90, 3895), (94, 3910), (150, 4054), (158, 4072), (171, 4138), (182, 4174), (198, 4246), (202, 4270), (203, 4282), (209, 4297), (230, 4393),

Gene: Lucyedi_83 Start: 47801, Stop: 47031, Start Num: 53
Candidate Starts for Lucyedi_83:
(29, 47894), (Start: 53 @47801 has 130 MA's), (59, 47780), (67, 47714), (Start: 73 @47666 has 2 MA's), (79, 47636), (95, 47564), (107, 47519), (127, 47468), (143, 47405), (148, 47384), (166, 47327), (197, 47195), (198, 47192), (221, 47099), (231, 47054),

Gene: Ludgate_59 Start: 39544, Stop: 38813, Start Num: 52
Candidate Starts for Ludgate_59:
(Start: 52 @39544 has 311 MA's), (Start: 70 @39442 has 2 MA's), (94, 39325), (113, 39274), (140, 39211), (153, 39166), (158, 39157), (177, 39076), (192, 39019), (199, 38983), (203, 38953), (230, 38842),

Gene: LugYA_87 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for LugYA_87:
(Start: 40 @47077 has 1 MA's), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: MCubed_56 Start: 37611, Stop: 36886, Start Num: 52
Candidate Starts for MCubed_56:
(Start: 52 @37611 has 311 MA's), (Start: 70 @37509 has 2 MA's), (94, 37401), (129, 37314), (140, 37284), (150, 37248), (155, 37236), (177, 37149), (192, 37092),

Gene: MaCh_86 Start: 47774, Stop: 47016, Start Num: 52
Candidate Starts for MaCh_86:
(Start: 52 @47774 has 311 MA's), (59, 47750), (64, 47708), (Start: 70 @47657 has 2 MA's), (Start: 73 @47636 has 2 MA's), (75, 47627), (79, 47606), (80, 47600), (81, 47591), (105, 47504), (107, 47489), (131, 47441), (138, 47414), (143, 47387), (221, 47084), (231, 47039),

Gene: Mabel_86 Start: 47775, Stop: 47017, Start Num: 52
Candidate Starts for Mabel_86:
(Start: 52 @47775 has 311 MA's), (59, 47751), (64, 47709), (Start: 70 @47658 has 2 MA's), (Start: 73 @47637 has 2 MA's), (75, 47628), (79, 47607), (80, 47601), (81, 47592), (105, 47505), (107, 47490), (131, 47442), (138, 47415), (143, 47388), (221, 47085), (231, 47040),

Gene: MadMarie_82 Start: 47041, Stop: 46274, Start Num: 53
Candidate Starts for MadMarie_82:
(Start: 40 @47074 has 1 MA's), (Start: 53 @47041 has 130 MA's), (59, 47020), (65, 46975), (67, 46954), (Start: 68 @46948 has 1 MA's), (Start: 73 @46906 has 2 MA's), (79, 46876), (81, 46861), (107, 46759), (109, 46756), (122, 46720), (143, 46648), (148, 46627), (184, 46498), (191, 46465), (197, 46438),

Gene: MaeLinda_59 Start: 39555, Stop: 38824, Start Num: 52
Candidate Starts for MaeLinda_59:
(Start: 52 @39555 has 311 MA's), (Start: 70 @39453 has 2 MA's), (94, 39336), (113, 39285), (140, 39222), (153, 39177), (158, 39168), (177, 39087), (192, 39030), (203, 38964), (230, 38853),

Gene: Mainiac_83 Start: 47033, Stop: 46266, Start Num: 53
Candidate Starts for Mainiac_83:
(Start: 40 @47066 has 1 MA's), (Start: 53 @47033 has 130 MA's), (59, 47012), (65, 46967), (67, 46946), (Start: 68 @46940 has 1 MA's), (Start: 73 @46898 has 2 MA's), (79, 46868), (81, 46853), (107, 46751), (109, 46748), (122, 46712), (143, 46640), (148, 46619), (184, 46490), (191, 46457), (197, 46430),

Gene: MajorMajor_81 Start: 45867, Stop: 45106, Start Num: 52
Candidate Starts for MajorMajor_81:
(Start: 52 @45867 has 311 MA's), (59, 45843), (64, 45801), (Start: 73 @45729 has 2 MA's), (79, 45699), (80, 45693), (96, 45624), (107, 45582), (131, 45534), (143, 45480), (168, 45396), (184, 45330), (197, 45270), (198, 45267), (221, 45174), (231, 45129),

Gene: Malec_83 Start: 48798, Stop: 48040, Start Num: 52
Candidate Starts for Malec_83:
(Start: 52 @48798 has 311 MA's), (59, 48777), (64, 48735), (67, 48711), (Start: 70 @48684 has 2 MA's), (Start: 73 @48663 has 2 MA's), (80, 48627), (81, 48618), (96, 48558), (107, 48516), (127, 48474), (131, 48465), (143, 48411), (154, 48375), (169, 48327), (197, 48204), (198, 48201), (210, 48153), (231, 48063),

Gene: Malinsilva_87 Start: 47032, Stop: 46265, Start Num: 53
Candidate Starts for Malinsilva_87:
(Start: 40 @47065 has 1 MA's), (Start: 53 @47032 has 130 MA's), (59, 47011), (65, 46966), (67, 46945), (Start: 68 @46939 has 1 MA's), (Start: 73 @46897 has 2 MA's), (79, 46867), (81, 46852), (107, 46750), (109, 46747), (122, 46711), (143, 46639), (148, 46618), (184, 46489), (191, 46456), (197, 46429),

Gene: Maminiaina_87 Start: 48726, Stop: 47968, Start Num: 53
Candidate Starts for Maminiaina_87:
(Start: 53 @48726 has 130 MA's), (59, 48708), (69, 48618), (Start: 70 @48615 has 2 MA's), (74, 48588), (84, 48537), (96, 48489), (102, 48471), (107, 48447), (131, 48396), (138, 48369), (143, 48342), (147, 48330), (159, 48291), (198, 48126), (205, 48093), (231, 47991),

Gene: ManRay_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for ManRay_58:
(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: Manu_83 Start: 46855, Stop: 46088, Start Num: 53
Candidate Starts for Manu_83:
(38, 46900), (Start: 53 @46855 has 130 MA's), (59, 46834), (64, 46792), (65, 46789), (67, 46768), (Start: 68 @46762 has 1 MA's), (Start: 73 @46720 has 2 MA's), (79, 46690), (81, 46675), (107, 46573), (122, 46534), (127, 46525), (141, 46474), (143, 46462), (184, 46312), (197, 46252),

Gene: MarQuardt_84 Start: 47042, Stop: 46275, Start Num: 53
Candidate Starts for MarQuardt_84:
(38, 47087), (Start: 53 @47042 has 130 MA's), (59, 47021), (65, 46976), (67, 46955), (Start: 68 @46949 has 1 MA's), (Start: 73 @46907 has 2 MA's), (79, 46877), (81, 46862), (107, 46760), (109, 46757), (122, 46721), (143, 46649), (148, 46628), (184, 46499), (191, 46466), (197, 46439),

Gene: Marie_82 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Marie_82:

(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Marius_84 Start: 46848, Stop: 46081, Start Num: 53
Candidate Starts for Marius_84:
(38, 46893), (Start: 53 @46848 has 130 MA's), (59, 46827), (64, 46785), (65, 46782), (67, 46761), (Start: 68 @46755 has 1 MA's), (Start: 73 @46713 has 2 MA's), (79, 46683), (81, 46668), (107, 46566), (122, 46527), (127, 46518), (141, 46467), (143, 46455), (184, 46305), (197, 46245),

Gene: Martin_60 Start: 39557, Stop: 38826, Start Num: 52
Candidate Starts for Martin_60:
(Start: 52 @39557 has 311 MA's), (Start: 70 @39455 has 2 MA's), (94, 39338), (113, 39287), (140, 39224), (153, 39179), (158, 39170), (177, 39089), (192, 39032), (203, 38966), (230, 38855),

Gene: Maselop_4 Start: 2670, Stop: 3488, Start Num: 44
Candidate Starts for Maselop_4:
(Start: 19 @2547 has 1 MA's), (Start: 44 @2670 has 5 MA's), (63, 2730), (89, 2889), (104, 2946), (105, 2958), (115, 2991), (117, 3000), (120, 3012), (122, 3024), (124, 3027), (153, 3126), (198, 3306),

Gene: McGalleon_59 Start: 40271, Stop: 39543, Start Num: 52
Candidate Starts for McGalleon_59:
(Start: 52 @40271 has 311 MA's), (Start: 70 @40172 has 2 MA's), (74, 40145), (97, 40046), (113, 40004), (140, 39941), (153, 39896), (158, 39887), (177, 39806), (203, 39683),

Gene: MegTheThird_84 Start: 48165, Stop: 47407, Start Num: 53
Candidate Starts for MegTheThird_84:
(Start: 53 @48165 has 130 MA's), (59, 48147), (Start: 70 @48054 has 2 MA's), (74, 48027), (96, 47928), (107, 47886), (124, 47850), (131, 47835), (138, 47808), (143, 47781), (148, 47760), (198, 47565), (205, 47532), (231, 47430),

Gene: Merida02_60 Start: 39347, Stop: 38616, Start Num: 52
Candidate Starts for Merida02_60:
(Start: 52 @39347 has 311 MA's), (Start: 70 @39245 has 2 MA's), (94, 39128), (113, 39077), (140, 39014), (153, 38969), (158, 38960), (177, 38879), (192, 38822), (203, 38756), (230, 38645),

Gene: Merry_ Start: 3722, Stop: 4393, Start Num: 70
Candidate Starts for Merry_:
(Start: 52 @3620 has 311 MA's), (62, 3653), (Start: 70 @3722 has 2 MA's), (95, 3842), (96, 3845), (97, 3848), (119, 3923), (150, 4016), (158, 4034), (191, 4172), (198, 4205), (202, 4229), (206, 4250), (230, 4352),

Gene: Metamorphoo_5 Start: 2863, Stop: 3603, Start Num: 52
Candidate Starts for Metamorphoo_5:
(30, 2785), (Start: 52 @2863 has 311 MA's), (62, 2896), (Start: 70 @2965 has 2 MA's), (72, 2977), (90, 3067), (94, 3082), (140, 3190), (150, 3226), (171, 3310), (182, 3346), (191, 3385), (198, 3418), (203, 3454), (230, 3565), (231, 3571),

Gene: Methuselah_77 Start: 47064, Stop: 46297, Start Num: 53
Candidate Starts for Methuselah_77:
(38, 47109), (Start: 53 @47064 has 130 MA's), (59, 47043), (65, 46998), (67, 46977), (Start: 68 @46971 has 1 MA's), (Start: 73 @46929 has 2 MA's), (79, 46899), (81, 46884), (107, 46782), (109,

46779), (122, 46743), (143, 46671), (148, 46650), (184, 46521), (191, 46488), (197, 46461),

Gene: Microwolf_80 Start: 47056, Stop: 46289, Start Num: 53
Candidate Starts for Microwolf_80:
(Start: 40 @47089 has 1 MA's), (Start: 53 @47056 has 130 MA's), (59, 47035), (65, 46990), (67, 46969), (Start: 68 @46963 has 1 MA's), (Start: 73 @46921 has 2 MA's), (79, 46891), (81, 46876), (107, 46774), (109, 46771), (122, 46735), (143, 46663), (148, 46642), (184, 46513), (191, 46480), (197, 46453),

Gene: MiculUcigas_84 Start: 47925, Stop: 47167, Start Num: 52
Candidate Starts for MiculUcigas_84:
(Start: 52 @47925 has 311 MA's), (59, 47904), (61, 47892), (64, 47862), (67, 47838), (Start: 70 @47811 has 2 MA's), (Start: 73 @47790 has 2 MA's), (80, 47754), (81, 47745), (89, 47715), (96, 47685), (127, 47601), (131, 47592), (143, 47538), (154, 47502), (169, 47454), (192, 47355), (197, 47331), (198, 47328), (231, 47190),

Gene: Miko_79 Start: 47505, Stop: 46747, Start Num: 53
Candidate Starts for Miko_79:
(Start: 53 @47505 has 130 MA's), (59, 47484), (61, 47472), (Start: 70 @47391 has 2 MA's), (96, 47265), (103, 47244), (107, 47223), (127, 47181), (143, 47118), (184, 46968), (198, 46905), (231, 46770),

Gene: MillyPhilly_59 Start: 39545, Stop: 38814, Start Num: 52
Candidate Starts for MillyPhilly_59:
(Start: 52 @39545 has 311 MA's), (Start: 70 @39443 has 2 MA's), (94, 39326), (113, 39275), (140, 39212), (153, 39167), (158, 39158), (177, 39077), (192, 39020), (203, 38954), (230, 38843),

Gene: MiniVolent_51 Start: 36320, Stop: 35592, Start Num: 52
Candidate Starts for MiniVolent_51:
(Start: 52 @36320 has 311 MA's), (Start: 70 @36218 has 2 MA's), (72, 36206), (84, 36143), (99, 36086), (101, 36080), (113, 36050), (134, 36011), (140, 35990), (167, 35900), (206, 35723), (217, 35672), (223, 35660),

Gene: Minispark_85 Start: 48209, Stop: 47448, Start Num: 53
Candidate Starts for Minispark_85:
(Start: 53 @48209 has 130 MA's), (64, 48149), (67, 48125), (Start: 70 @48098 has 2 MA's), (74, 48071), (84, 48017), (96, 47969), (107, 47927), (131, 47876), (138, 47849), (143, 47822), (148, 47801), (159, 47771), (198, 47606), (231, 47471),

Gene: MissWhite_77 Start: 44789, Stop: 44034, Start Num: 52
Candidate Starts for MissWhite_77:
(Start: 52 @44789 has 311 MA's), (59, 44771), (64, 44729), (67, 44705), (Start: 73 @44657 has 2 MA's), (75, 44648), (79, 44627), (80, 44621), (87, 44588), (91, 44567), (96, 44552), (114, 44498), (124, 44474), (127, 44468), (143, 44405), (152, 44372), (160, 44354), (197, 44198), (198, 44195), (200, 44177), (214, 44126), (231, 44057),

Gene: ModicumRichard_153 Start: 80567, Stop: 79794, Start Num: 51
Candidate Starts for ModicumRichard_153:
(Start: 51 @80567 has 10 MA's), (64, 80501), (67, 80477), (69, 80453), (77, 80414), (85, 80369), (92, 80339), (102, 80309), (105, 80300), (112, 80276), (126, 80249), (135, 80222), (143, 80183), (170, 80084), (173, 80063), (193, 79991), (194, 79985), (222, 79868), (229, 79829), (235, 79805),

Gene: MonChoix_57 Start: 39226, Stop: 38495, Start Num: 52

Candidate Starts for MonChoix_57:
(Start: 52 @39226 has 311 MA's), (Start: 70 @39124 has 2 MA's), (94, 39007), (113, 38956), (153, 38848), (158, 38839), (203, 38635), (230, 38524),

Gene: MoneyMay_84 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for MoneyMay_84:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Montavir_79 Start: 47040, Stop: 46273, Start Num: 53
Candidate Starts for Montavir_79:
(38, 47085), (Start: 53 @47040 has 130 MA's), (59, 47019), (65, 46974), (67, 46953), (Start: 68 @46947 has 1 MA's), (Start: 73 @46905 has 2 MA's), (79, 46875), (81, 46860), (107, 46758), (109, 46755), (122, 46719), (143, 46647), (148, 46626), (184, 46497), (191, 46464), (197, 46437),

Gene: Morgana_160 Start: 81269, Stop: 80511, Start Num: 51
Candidate Starts for Morgana_160:
(Start: 51 @81269 has 10 MA's), (85, 81071), (86, 81068), (97, 81026), (98, 81023), (135, 80924), (143, 80885), (149, 80864), (154, 80852), (170, 80801), (175, 80774), (182, 80753), (193, 80708), (208, 80639), (227, 80561), (229, 80546),

Gene: MrWorldwide_59 Start: 39555, Stop: 38824, Start Num: 52
Candidate Starts for MrWorldwide_59:
(Start: 52 @39555 has 311 MA's), (Start: 70 @39453 has 2 MA's), (94, 39336), (113, 39285), (140, 39222), (153, 39177), (158, 39168), (177, 39087), (192, 39030), (203, 38964), (230, 38853),

Gene: MuchMore_87 Start: 46894, Stop: 46262, Start Num: 73
Candidate Starts for MuchMore_87:
(Start: 73 @46894 has 2 MA's), (79, 46864), (81, 46849), (107, 46747), (109, 46744), (122, 46708), (143, 46636), (148, 46615), (184, 46486), (191, 46453), (197, 46426),

Gene: Mufasa8_99 Start: 57992, Stop: 57228, Start Num: 53
Candidate Starts for Mufasa8_99:
(4, 58640), (14, 58187), (Start: 53 @57992 has 130 MA's), (Start: 70 @57881 has 2 MA's), (77, 57845), (87, 57794), (130, 57680), (135, 57668), (140, 57650), (142, 57641), (169, 57554), (177, 57515), (189, 57470), (227, 57290), (230, 57275), (239, 57236),

Gene: Mulciber_84 Start: 47316, Stop: 46558, Start Num: 52
Candidate Starts for Mulciber_84:
(Start: 52 @47316 has 311 MA's), (59, 47292), (64, 47250), (Start: 70 @47199 has 2 MA's), (Start: 73 @47178 has 2 MA's), (75, 47169), (79, 47148), (80, 47142), (81, 47133), (105, 47046), (107, 47031), (131, 46983), (138, 46956), (143, 46929), (221, 46626), (231, 46581),

Gene: Munch_86 Start: 47779, Stop: 47021, Start Num: 52
Candidate Starts for Munch_86:
(Start: 52 @47779 has 311 MA's), (59, 47755), (64, 47713), (Start: 70 @47662 has 2 MA's), (Start: 73 @47641 has 2 MA's), (75, 47632), (79, 47611), (80, 47605), (81, 47596), (105, 47509), (107, 47494), (131, 47446), (138, 47419), (143, 47392), (221, 47089), (231, 47044),

Gene: Myxus_88 Start: 48808, Stop: 48047, Start Num: 53
Candidate Starts for Myxus_88:

(Start: 53 @48808 has 130 MA's), (64, 48748), (Start: 70 @48697 has 2 MA's), (74, 48670), (84, 48616), (96, 48568), (102, 48550), (107, 48526), (131, 48475), (138, 48448), (143, 48421), (197, 48208), (198, 48205), (205, 48172), (231, 48070),

Gene: NaSiaTalie_85 Start: 48212, Stop: 47454, Start Num: 52
Candidate Starts for NaSiaTalie_85:
(Start: 52 @48212 has 311 MA's), (59, 48191), (61, 48179), (64, 48149), (67, 48125), (Start: 70 @48098 has 2 MA's), (Start: 73 @48077 has 2 MA's), (80, 48041), (81, 48032), (89, 48002), (96, 47972), (107, 47930), (127, 47888), (131, 47879), (143, 47825), (154, 47789), (169, 47741), (192, 47642), (197, 47618), (198, 47615), (231, 47477),

Gene: Nagem_59 Start: 39591, Stop: 38860, Start Num: 52
Candidate Starts for Nagem_59:
(Start: 52 @39591 has 311 MA's), (Start: 70 @39489 has 2 MA's), (94, 39372), (113, 39321), (140, 39258), (153, 39213), (158, 39204), (177, 39123), (192, 39066), (199, 39030), (203, 39000), (230, 38889),

Gene: Nattles_58 Start: 39288, Stop: 38557, Start Num: 52
Candidate Starts for Nattles_58:
(Start: 52 @39288 has 311 MA's), (Start: 70 @39186 has 2 MA's), (94, 39069), (113, 39018), (140, 38955), (153, 38910), (158, 38901), (177, 38820), (192, 38763), (199, 38727), (203, 38697), (230, 38586),

Gene: Nedarya_84 Start: 47378, Stop: 46665, Start Num: 51
Candidate Starts for Nedarya_84:
(Start: 51 @47378 has 10 MA's), (59, 47354), (Start: 70 @47261 has 2 MA's), (84, 47183), (95, 47138), (107, 47093), (124, 47060), (127, 47054), (143, 46991), (147, 46979), (198, 46823), (207, 46784),

Gene: NickSell_59 Start: 39558, Stop: 38827, Start Num: 52
Candidate Starts for NickSell_59:
(Start: 52 @39558 has 311 MA's), (Start: 70 @39456 has 2 MA's), (94, 39339), (113, 39288), (140, 39225), (153, 39180), (158, 39171), (177, 39090), (192, 39033), (203, 38967), (230, 38856),

Gene: NicoleTera_82 Start: 48143, Stop: 47388, Start Num: 52
Candidate Starts for NicoleTera_82:
(Start: 52 @48143 has 311 MA's), (59, 48122), (61, 48110), (67, 48056), (Start: 70 @48029 has 2 MA's), (96, 47903), (107, 47861), (116, 47843), (127, 47819), (131, 47810), (143, 47756), (197, 47549), (198, 47546), (231, 47411), (234, 47396),

Gene: NoodlelyBoi_7 Start: 3482, Stop: 4222, Start Num: 52
Candidate Starts for NoodlelyBoi_7:
(Start: 52 @3482 has 311 MA's), (62, 3515), (Start: 70 @3584 has 2 MA's), (72, 3596), (74, 3611), (90, 3686), (94, 3701), (150, 3845), (158, 3863), (171, 3929), (182, 3965), (198, 4037), (202, 4061), (203, 4073), (209, 4088), (230, 4184),

Gene: NothingSpecial_79 Start: 48082, Stop: 47348, Start Num: 53
Candidate Starts for NothingSpecial_79:
(Start: 53 @48082 has 130 MA's), (64, 48025), (Start: 70 @47974 has 2 MA's), (101, 47833), (103, 47827), (122, 47785), (143, 47713), (184, 47566), (197, 47506), (198, 47503),

Gene: Oats_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for Oats_58:

(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: ObLaDi_153 Start: 80566, Stop: 79793, Start Num: 51
Candidate Starts for ObLaDi_153:
(Start: 51 @80566 has 10 MA's), (64, 80500), (67, 80476), (69, 80452), (77, 80413), (85, 80368), (92, 80338), (102, 80308), (105, 80299), (112, 80275), (126, 80248), (135, 80221), (143, 80182), (170, 80083), (173, 80062), (193, 79990), (194, 79984), (222, 79867), (229, 79828), (235, 79804),

Gene: Odin_83 Start: 47677, Stop: 46934, Start Num: 52
Candidate Starts for Odin_83:
(Start: 52 @47677 has 311 MA's), (59, 47659), (64, 47617), (Start: 70 @47566 has 2 MA's), (Start: 73 @47545 has 2 MA's), (88, 47473), (96, 47440), (131, 47347), (138, 47320), (143, 47293), (197, 47098), (231, 46957), (233, 46945),

Gene: OlanP_82 Start: 47027, Stop: 46260, Start Num: 53
Candidate Starts for OlanP_82:
(Start: 40 @47066 has 1 MA's), (Start: 53 @47027 has 130 MA's), (59, 47006), (64, 46964), (65, 46961), (67, 46940), (Start: 68 @46934 has 1 MA's), (Start: 73 @46892 has 2 MA's), (79, 46862), (81, 46847), (107, 46745), (118, 46712), (122, 46706), (127, 46697), (141, 46646), (143, 46634), (184, 46484), (197, 46424),

Gene: OldNelly_59 Start: 39344, Stop: 38613, Start Num: 52
Candidate Starts for OldNelly_59:
(Start: 52 @39344 has 311 MA's), (Start: 70 @39242 has 2 MA's), (94, 39125), (113, 39074), (140, 39011), (153, 38966), (158, 38957), (177, 38876), (192, 38819), (203, 38753), (230, 38642),

Gene: Ollie_84 Start: 46911, Stop: 46144, Start Num: 53
Candidate Starts for Ollie_84:
(Start: 40 @46944 has 1 MA's), (Start: 53 @46911 has 130 MA's), (59, 46890), (65, 46845), (67, 46824), (Start: 68 @46818 has 1 MA's), (Start: 73 @46776 has 2 MA's), (79, 46746), (81, 46731), (107, 46629), (109, 46626), (122, 46590), (143, 46518), (148, 46497), (184, 46368), (191, 46335), (197, 46308),

Gene: Onglai_86 Start: 46955, Stop: 46194, Start Num: 53
Candidate Starts for Onglai_86:
(21, 47081), (Start: 53 @46955 has 130 MA's), (64, 46895), (67, 46871), (Start: 70 @46844 has 2 MA's), (74, 46817), (84, 46763), (96, 46715), (102, 46697), (107, 46673), (131, 46622), (138, 46595), (143, 46568), (197, 46355), (198, 46352), (205, 46319), (231, 46217),

Gene: Onika_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Onika_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Oofda_88 Start: 47536, Stop: 46820, Start Num: 51
Candidate Starts for Oofda_88:
(25, 47632), (39, 47581), (Start: 51 @47536 has 10 MA's), (59, 47512), (81, 47353), (91, 47308), (95, 47296), (101, 47278), (107, 47251), (119, 47221), (124, 47215), (127, 47209), (131, 47200), (143, 47146), (147, 47134), (214, 46912),

Gene: Orange_86 Start: 47329, Stop: 46571, Start Num: 52
Candidate Starts for Orange_86:
(Start: 52 @47329 has 311 MA's), (59, 47305), (64, 47263), (Start: 70 @47212 has 2 MA's), (Start: 73 @47191 has 2 MA's), (75, 47182), (79, 47161), (80, 47155), (81, 47146), (105, 47059), (107, 47044), (131, 46996), (138, 46969), (143, 46942), (221, 46639), (231, 46594),

Gene: Oxtober96_60 Start: 39543, Stop: 38812, Start Num: 52
Candidate Starts for Oxtober96_60:
(Start: 52 @39543 has 311 MA's), (Start: 70 @39441 has 2 MA's), (94, 39324), (113, 39273), (140, 39210), (153, 39165), (158, 39156), (177, 39075), (192, 39018), (203, 38952), (230, 38841),

Gene: P28Green_84 Start: 47046, Stop: 46279, Start Num: 53
Candidate Starts for P28Green_84:
(38, 47091), (Start: 53 @47046 has 130 MA's), (59, 47025), (65, 46980), (67, 46959), (Start: 68 @46953 has 1 MA's), (Start: 73 @46911 has 2 MA's), (79, 46881), (81, 46866), (107, 46764), (109, 46761), (122, 46725), (143, 46653), (148, 46632), (184, 46503), (191, 46470), (197, 46443),

Gene: PGHhamlin_86 Start: 47032, Stop: 46265, Start Num: 53
Candidate Starts for PGHhamlin_86:
(Start: 40 @47065 has 1 MA's), (Start: 53 @47032 has 130 MA's), (59, 47011), (65, 46966), (67, 46945), (Start: 68 @46939 has 1 MA's), (Start: 73 @46897 has 2 MA's), (79, 46867), (81, 46852), (107, 46750), (109, 46747), (122, 46711), (143, 46639), (148, 46618), (184, 46489), (191, 46456), (197, 46429),

Gene: PSirce_56 Start: 37750, Stop: 37025, Start Num: 52
Candidate Starts for PSirce_56:
(37, 37798), (Start: 52 @37750 has 311 MA's), (Start: 70 @37648 has 2 MA's), (94, 37540), (129, 37453), (140, 37423), (150, 37387), (155, 37375), (177, 37288), (192, 37231),

Gene: Paedore_70 Start: 45492, Stop: 44761, Start Num: 52
Candidate Starts for Paedore_70:
(Start: 52 @45492 has 311 MA's), (Start: 70 @45378 has 2 MA's), (74, 45351), (80, 45327), (101, 45252), (158, 45096), (180, 45018), (198, 44940), (223, 44832),

Gene: PainterBoy_83 Start: 47511, Stop: 46741, Start Num: 53
Candidate Starts for PainterBoy_83:
(29, 47604), (Start: 53 @47511 has 130 MA's), (59, 47490), (67, 47424), (Start: 73 @47376 has 2 MA's), (79, 47346), (95, 47274), (107, 47229), (127, 47178), (143, 47115), (148, 47094), (166, 47037), (197, 46905), (198, 46902), (221, 46809), (231, 46764),

Gene: Papafritta_58 Start: 39306, Stop: 38575, Start Num: 52
Candidate Starts for Papafritta_58:
(Start: 52 @39306 has 311 MA's), (Start: 70 @39204 has 2 MA's), (94, 39087), (113, 39036), (140, 38973), (153, 38928), (158, 38919), (177, 38838), (192, 38781), (203, 38715), (230, 38604),

Gene: ParleG_59 Start: 39555, Stop: 38824, Start Num: 52
Candidate Starts for ParleG_59:
(Start: 52 @39555 has 311 MA's), (Start: 70 @39453 has 2 MA's), (94, 39336), (113, 39285), (140, 39222), (153, 39177), (158, 39168), (177, 39087), (192, 39030), (203, 38964), (230, 38853),

Gene: Paschalis_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Paschalis_7:

(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (198, 4034), (202, 4058), (203, 4070), (230, 4181),

Gene: Pawn_82 Start: 46855, Stop: 46088, Start Num: 53
Candidate Starts for Pawn_82:
(38, 46900), (Start: 53 @46855 has 130 MA's), (59, 46834), (64, 46792), (65, 46789), (67, 46768), (Start: 68 @46762 has 1 MA's), (Start: 73 @46720 has 2 MA's), (79, 46690), (81, 46675), (107, 46573), (122, 46534), (127, 46525), (141, 46474), (143, 46462), (184, 46312), (197, 46252),

Gene: Peep_59 Start: 39601, Stop: 38870, Start Num: 52
Candidate Starts for Peep_59:
(Start: 52 @39601 has 311 MA's), (Start: 70 @39499 has 2 MA's), (94, 39382), (113, 39331), (140, 39268), (153, 39223), (158, 39214), (177, 39133), (192, 39076), (203, 39010), (230, 38899),

Gene: Pembroke_84 Start: 47041, Stop: 46274, Start Num: 53
Candidate Starts for Pembroke_84:
(Start: 40 @47074 has 1 MA's), (Start: 53 @47041 has 130 MA's), (59, 47020), (65, 46975), (67, 46954), (Start: 68 @46948 has 1 MA's), (Start: 73 @46906 has 2 MA's), (79, 46876), (81, 46861), (107, 46759), (109, 46756), (122, 46720), (143, 46648), (148, 46627), (184, 46498), (191, 46465), (197, 46438),

Gene: Penny1_84 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for Penny1_84:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: Penta_51 Start: 36019, Stop: 35285, Start Num: 52
Candidate Starts for Penta_51:
(Start: 52 @36019 has 311 MA's), (62, 35986), (Start: 70 @35917 has 2 MA's), (94, 35800), (97, 35791), (100, 35782), (113, 35749), (135, 35704), (143, 35671), (177, 35548), (192, 35491), (198, 35461), (202, 35437), (203, 35425),

Gene: Peppino_58 Start: 39500, Stop: 38769, Start Num: 52
Candidate Starts for Peppino_58:
(Start: 52 @39500 has 311 MA's), (69, 39401), (Start: 70 @39398 has 2 MA's), (94, 39281), (113, 39230), (153, 39122), (158, 39113), (177, 39032), (192, 38975), (199, 38939), (203, 38909), (216, 38861), (230, 38798),

Gene: Petersenfast_80 Start: 46210, Stop: 45452, Start Num: 52
Candidate Starts for Petersenfast_80:
(Start: 52 @46210 has 311 MA's), (59, 46186), (64, 46144), (Start: 70 @46093 has 2 MA's), (Start: 73 @46072 has 2 MA's), (75, 46063), (79, 46042), (80, 46036), (81, 46027), (105, 45940), (107, 45925), (131, 45877), (138, 45850), (143, 45823), (221, 45520), (231, 45475),

Gene: Ph8s_85 Start: 47459, Stop: 46716, Start Num: 52
Candidate Starts for Ph8s_85:
(12, 47672), (13, 47669), (Start: 52 @47459 has 311 MA's), (59, 47441), (64, 47399), (Start: 70 @47348 has 2 MA's), (Start: 73 @47327 has 2 MA's), (88, 47255), (96, 47222), (131, 47129), (138, 47102), (143, 47075), (197, 46880), (214, 46808), (231, 46739),

Gene: Phaeder_88 Start: 48683, Stop: 47922, Start Num: 53

Candidate Starts for Phaeder_88:
(Start: 53 @48683 has 130 MA's), (64, 48623), (Start: 70 @48572 has 2 MA's), (74, 48545), (84, 48491), (96, 48443), (102, 48425), (107, 48401), (131, 48350), (138, 48323), (143, 48296), (197, 48083), (198, 48080), (205, 48047), (231, 47945),

Gene: Phanita_57 Start: 37523, Stop: 36798, Start Num: 52
Candidate Starts for Phanita_57:
(Start: 52 @37523 has 311 MA's), (Start: 70 @37421 has 2 MA's), (88, 37340), (94, 37313), (129, 37226), (140, 37196), (150, 37160), (155, 37148), (177, 37061), (192, 37004),

Gene: PhedwardCullen_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for PhedwardCullen_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (198, 4034), (202, 4058), (203, 4070), (209, 4085), (230, 4181),

Gene: Pherbot_51 Start: 36125, Stop: 35388, Start Num: 52
Candidate Starts for Pherbot_51:
(Start: 52 @36125 has 311 MA's), (Start: 70 @36014 has 2 MA's), (84, 35939), (87, 35927), (94, 35897), (128, 35819), (140, 35786), (150, 35750), (177, 35651), (178, 35648), (191, 35597), (198, 35564), (202, 35540), (206, 35519), (230, 35417),

Gene: Pherferi_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Pherferi_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: Phiderman_59 Start: 39545, Stop: 38814, Start Num: 52
Candidate Starts for Phiderman_59:
(Start: 52 @39545 has 311 MA's), (Start: 70 @39443 has 2 MA's), (94, 39326), (113, 39275), (140, 39212), (153, 39167), (158, 39158), (177, 39077), (192, 39020), (203, 38954), (230, 38843),

Gene: PhillyPhantom_58 Start: 39411, Stop: 38680, Start Num: 52
Candidate Starts for PhillyPhantom_58:
(Start: 52 @39411 has 311 MA's), (69, 39312), (Start: 70 @39309 has 2 MA's), (94, 39192), (113, 39141), (153, 39033), (158, 39024), (177, 38943), (192, 38886), (199, 38850), (203, 38820), (216, 38772), (230, 38709),

Gene: Phireproof_59 Start: 39554, Stop: 38823, Start Num: 52
Candidate Starts for Phireproof_59:
(Start: 52 @39554 has 311 MA's), (Start: 70 @39452 has 2 MA's), (94, 39335), (113, 39284), (140, 39221), (153, 39176), (158, 39167), (177, 39086), (192, 39029), (203, 38963), (230, 38852),

Gene: PhishRPhriends_80 Start: 46035, Stop: 45268, Start Num: 53
Candidate Starts for PhishRPhriends_80:
(38, 46080), (Start: 53 @46035 has 130 MA's), (59, 46014), (64, 45972), (65, 45969), (67, 45948), (Start: 68 @45942 has 1 MA's), (Start: 73 @45900 has 2 MA's), (79, 45870), (81, 45855), (107, 45753), (122, 45714), (127, 45705), (141, 45654), (143, 45642), (184, 45492), (197, 45432),

Gene: Phoebe_85 Start: 47036, Stop: 46269, Start Num: 53
Candidate Starts for Phoebe_85:
(38, 47081), (Start: 53 @47036 has 130 MA's), (59, 47015), (65, 46970), (67, 46949), (Start: 68 @46943 has 1 MA's), (Start: 73 @46901 has 2 MA's), (79, 46871), (81, 46856), (107, 46754), (109,

46751), (122, 46715), (143, 46643), (148, 46622), (184, 46493), (191, 46460), (197, 46433),

Gene: Phonnegut_88 Start: 48696, Stop: 47935, Start Num: 53
Candidate Starts for Phonnegut_88:
(21, 48822), (Start: 53 @48696 has 130 MA's), (64, 48636), (67, 48612), (Start: 70 @48585 has 2 MA's), (74, 48558), (84, 48504), (96, 48456), (102, 48438), (107, 48414), (131, 48363), (138, 48336), (143, 48309), (197, 48096), (198, 48093), (205, 48060), (231, 47958),

Gene: Phorgeous_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Phorgeous_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (198, 4034), (202, 4058), (203, 4070), (230, 4181),

Gene: Phoxy_84 Start: 46972, Stop: 46298, Start Num: 68
Candidate Starts for Phoxy_84:
(65, 46999), (67, 46978), (Start: 68 @46972 has 1 MA's), (Start: 73 @46930 has 2 MA's), (79, 46900), (81, 46885), (107, 46783), (109, 46780), (122, 46744), (143, 46672), (148, 46651), (184, 46522), (191, 46489), (197, 46462),

Gene: Phrancesco_8 Start: 3697, Stop: 4437, Start Num: 52
Candidate Starts for Phrancesco_8:
(Start: 52 @3697 has 311 MA's), (62, 3730), (Start: 70 @3799 has 2 MA's), (72, 3811), (74, 3826), (90, 3901), (94, 3916), (150, 4060), (158, 4078), (171, 4144), (182, 4180), (202, 4276), (203, 4288), (230, 4399), (238, 4429),

Gene: PhredFlintston_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for PhredFlintston_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: Phriends_58 Start: 39348, Stop: 38617, Start Num: 52
Candidate Starts for Phriends_58:
(Start: 52 @39348 has 311 MA's), (Start: 70 @39246 has 2 MA's), (94, 39129), (113, 39078), (140, 39015), (153, 38970), (158, 38961), (177, 38880), (192, 38823), (203, 38757), (230, 38646),

Gene: PierreOrion_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for PierreOrion_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (198, 4034), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Pioneer_88 Start: 48696, Stop: 47935, Start Num: 53
Candidate Starts for Pioneer_88:
(21, 48822), (Start: 53 @48696 has 130 MA's), (64, 48636), (67, 48612), (Start: 70 @48585 has 2 MA's), (74, 48558), (84, 48504), (96, 48456), (102, 48438), (107, 48414), (131, 48363), (138, 48336), (143, 48309), (197, 48096), (198, 48093), (205, 48060), (231, 47958),

Gene: PiperSansNom_8 Start: 3783, Stop: 4523, Start Num: 52
Candidate Starts for PiperSansNom_8:
(Start: 52 @3783 has 311 MA's), (62, 3816), (Start: 70 @3885 has 2 MA's), (72, 3897), (74, 3912), (90, 3987), (94, 4002), (150, 4146), (158, 4164), (171, 4230), (182, 4266), (198, 4338), (202, 4362), (203, 4374), (230, 4485),

Gene: Piperis_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Piperis_7:
(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Piro94_83 Start: 48160, Stop: 47402, Start Num: 52
Candidate Starts for Piro94_83:
(Start: 52 @48160 has 311 MA's), (59, 48139), (61, 48127), (64, 48097), (67, 48073), (Start: 70 @48046 has 2 MA's), (Start: 73 @48025 has 2 MA's), (80, 47989), (81, 47980), (89, 47950), (96, 47920), (107, 47878), (127, 47836), (131, 47827), (143, 47773), (154, 47737), (169, 47689), (192, 47590), (197, 47566), (198, 47563), (231, 47425),

Gene: Pocket_58 Start: 39328, Stop: 38597, Start Num: 52
Candidate Starts for Pocket_58:
(Start: 52 @39328 has 311 MA's), (Start: 70 @39226 has 2 MA's), (94, 39109), (113, 39058), (140, 38995), (153, 38950), (158, 38941), (177, 38860), (192, 38803), (199, 38767), (203, 38737), (230, 38626),

Gene: Polyyuki_4 Start: 2672, Stop: 3490, Start Num: 44
Candidate Starts for Polyyuki_4:
(Start: 19 @2549 has 1 MA's), (Start: 44 @2672 has 5 MA's), (63, 2732), (89, 2891), (104, 2948), (105, 2960), (115, 2993), (117, 3002), (120, 3014), (122, 3026), (124, 3029), (153, 3128), (198, 3308), (204, 3350),

Gene: Pomar16_84 Start: 48043, Stop: 47270, Start Num: 53
Candidate Starts for Pomar16_84:
(Start: 53 @48043 has 130 MA's), (59, 48019), (64, 47977), (67, 47953), (Start: 73 @47905 has 2 MA's), (79, 47875), (80, 47869), (105, 47773), (107, 47758), (114, 47746), (143, 47644), (148, 47623), (198, 47431), (231, 47293),

Gene: PorkBelly_35 Start: 27690, Stop: 26929, Start Num: 45
Candidate Starts for PorkBelly_35:
(28, 27765), (34, 27732), (Start: 35 @27729 has 1 MA's), (45, 27690), (63, 27633), (69, 27567), (Start: 70 @27564 has 2 MA's), (71, 27561), (75, 27534), (106, 27417), (111, 27399), (125, 27375), (142, 27330), (145, 27321), (169, 27243), (181, 27192), (184, 27183), (218, 27012), (228, 26973),

Gene: PotatoSplit_85 Start: 47044, Stop: 46277, Start Num: 53
Candidate Starts for PotatoSplit_85:
(38, 47089), (Start: 53 @47044 has 130 MA's), (59, 47023), (65, 46978), (67, 46957), (Start: 68 @46951 has 1 MA's), (Start: 73 @46909 has 2 MA's), (79, 46879), (81, 46864), (107, 46762), (109, 46759), (122, 46723), (143, 46651), (148, 46630), (184, 46501), (191, 46468), (197, 46441),

Gene: Power_84 Start: 48723, Stop: 47965, Start Num: 52
Candidate Starts for Power_84:
(Start: 52 @48723 has 311 MA's), (59, 48702), (64, 48660), (67, 48636), (Start: 70 @48609 has 2 MA's), (Start: 73 @48588 has 2 MA's), (80, 48552), (81, 48543), (96, 48483), (127, 48399), (131, 48390), (143, 48336), (154, 48300), (169, 48252), (192, 48153), (198, 48126), (213, 48060), (231, 47988),

Gene: PrincePhergus_51 Start: 36141, Stop: 35404, Start Num: 52
Candidate Starts for PrincePhergus_51:

(Start: 52 @36141 has 311 MA's), (Start: 70 @36030 has 2 MA's), (84, 35955), (87, 35943), (94, 35913), (128, 35835), (140, 35802), (150, 35766), (177, 35667), (178, 35664), (191, 35613), (198, 35580), (202, 35556), (206, 35535), (230, 35433),

Gene: Priya_86 Start: 48467, Stop: 47706, Start Num: 53
Candidate Starts for Priya_86:
(Start: 53 @48467 has 130 MA's), (64, 48407), (Start: 70 @48356 has 2 MA's), (74, 48329), (84, 48275), (96, 48227), (102, 48209), (107, 48185), (131, 48134), (138, 48107), (139, 48104), (143, 48080), (197, 47867), (198, 47864), (205, 47831), (231, 47729),

Gene: Prudy_79 Start: 48507, Stop: 47749, Start Num: 52
Candidate Starts for Prudy_79:
(Start: 52 @48507 has 311 MA's), (59, 48486), (61, 48474), (67, 48420), (Start: 70 @48393 has 2 MA's), (75, 48363), (79, 48342), (80, 48336), (84, 48315), (91, 48282), (96, 48267), (107, 48225), (116, 48207), (143, 48120), (148, 48099), (197, 47910), (198, 47907), (231, 47772),

Gene: Pulchra_8 Start: 3709, Stop: 4449, Start Num: 52
Candidate Starts for Pulchra_8:
(Start: 52 @3709 has 311 MA's), (62, 3742), (Start: 70 @3811 has 2 MA's), (72, 3823), (74, 3838), (90, 3913), (94, 3928), (150, 4072), (158, 4090), (171, 4156), (182, 4192), (202, 4288), (203, 4300), (230, 4411), (238, 4441),

Gene: PuppyEggo_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for PuppyEggo_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (199, 38987), (203, 38957), (230, 38846),

Gene: Qobbit_86 Start: 48429, Stop: 47668, Start Num: 53
Candidate Starts for Qobbit_86:
(Start: 53 @48429 has 130 MA's), (64, 48369), (Start: 70 @48318 has 2 MA's), (74, 48291), (84, 48237), (96, 48189), (102, 48171), (107, 48147), (131, 48096), (138, 48069), (139, 48066), (143, 48042), (197, 47829), (198, 47826), (205, 47793), (231, 47691),

Gene: QueenB2_81 Start: 47813, Stop: 47055, Start Num: 52
Candidate Starts for QueenB2_81:
(Start: 49 @47816 has 3 MA's), (Start: 52 @47813 has 311 MA's), (59, 47792), (64, 47750), (65, 47747), (67, 47726), (Start: 70 @47699 has 2 MA's), (Start: 73 @47678 has 2 MA's), (80, 47642), (81, 47633), (96, 47573), (127, 47489), (131, 47480), (143, 47426), (154, 47390), (169, 47342), (192, 47243), (198, 47216), (213, 47150), (231, 47078),

Gene: QueenBeesly_84 Start: 48520, Stop: 47762, Start Num: 52
Candidate Starts for QueenBeesly_84:
(Start: 52 @48520 has 311 MA's), (59, 48499), (64, 48457), (67, 48433), (Start: 70 @48406 has 2 MA's), (Start: 73 @48385 has 2 MA's), (80, 48349), (81, 48340), (96, 48280), (127, 48196), (131, 48187), (143, 48133), (154, 48097), (169, 48049), (192, 47950), (198, 47923), (213, 47857), (231, 47785),

Gene: Quhwah_8 Start: 3691, Stop: 4431, Start Num: 52
Candidate Starts for Quhwah_8:
(Start: 52 @3691 has 311 MA's), (62, 3724), (Start: 70 @3793 has 2 MA's), (72, 3805), (74, 3820), (90, 3895), (94, 3910), (150, 4054), (158, 4072), (171, 4138), (182, 4174), (202, 4270), (203, 4282), (230, 4393), (238, 4423),

Gene: Quokka_86 Start: 47576, Stop: 46815, Start Num: 52
Candidate Starts for Quokka_86:
(Start: 52 @47576 has 311 MA's), (59, 47552), (64, 47510), (Start: 73 @47438 has 2 MA's), (79, 47408), (80, 47402), (96, 47333), (107, 47291), (131, 47243), (143, 47189), (168, 47105), (184, 47039), (197, 46979), (198, 46976), (221, 46883), (231, 46838),

Gene: Raccoon_58 Start: 39471, Stop: 38740, Start Num: 52
Candidate Starts for Raccoon_58:
(Start: 52 @39471 has 311 MA's), (69, 39372), (Start: 70 @39369 has 2 MA's), (94, 39252), (113, 39201), (153, 39093), (158, 39084), (177, 39003), (192, 38946), (199, 38910), (203, 38880), (216, 38832), (230, 38769),

Gene: Rachaly_81 Start: 47648, Stop: 46893, Start Num: 52
Candidate Starts for Rachaly_81:
(Start: 52 @47648 has 311 MA's), (59, 47627), (61, 47615), (67, 47561), (Start: 70 @47534 has 2 MA's), (79, 47483), (91, 47423), (96, 47408), (107, 47366), (127, 47324), (143, 47261), (184, 47111), (231, 46916),

Gene: Rahalelujah_87 Start: 48224, Stop: 47463, Start Num: 53
Candidate Starts for Rahalelujah_87:
(Start: 53 @48224 has 130 MA's), (64, 48164), (67, 48140), (Start: 70 @48113 has 2 MA's), (74, 48086), (84, 48032), (96, 47984), (107, 47942), (131, 47891), (138, 47864), (143, 47837), (148, 47816), (159, 47786), (198, 47621), (231, 47486),

Gene: Ramiel05_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Ramiel05_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Rapheph_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Rapheph_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: Raptor_59 Start: 39546, Stop: 38815, Start Num: 52
Candidate Starts for Raptor_59:
(Start: 52 @39546 has 311 MA's), (Start: 70 @39444 has 2 MA's), (94, 39327), (113, 39276), (140, 39213), (153, 39168), (158, 39159), (177, 39078), (192, 39021), (203, 38955), (230, 38844),

Gene: Reba_79 Start: 45691, Stop: 44924, Start Num: 53
Candidate Starts for Reba_79:
(38, 45736), (Start: 53 @45691 has 130 MA's), (59, 45670), (64, 45628), (65, 45625), (67, 45604), (Start: 68 @45598 has 1 MA's), (Start: 73 @45556 has 2 MA's), (79, 45526), (81, 45511), (107, 45409), (122, 45370), (127, 45361), (141, 45310), (143, 45298), (184, 45148), (197, 45088),

Gene: RedRock_84 Start: 48769, Stop: 48014, Start Num: 52
Candidate Starts for RedRock_84:
(Start: 52 @48769 has 311 MA's), (59, 48748), (64, 48706), (67, 48682), (Start: 70 @48655 has 2 MA's), (Start: 73 @48634 has 2 MA's), (80, 48598), (81, 48589), (89, 48559), (96, 48529), (127, 48445), (131, 48436), (143, 48382), (154, 48346), (169, 48298), (198, 48172), (231, 48034),

Gene: Redfield_58 Start: 39510, Stop: 38779, Start Num: 52
Candidate Starts for Redfield_58:
(Start: 52 @39510 has 311 MA's), (69, 39411), (Start: 70 @39408 has 2 MA's), (94, 39291), (113, 39240), (153, 39132), (158, 39123), (177, 39042), (192, 38985), (199, 38949), (203, 38919), (216, 38871), (230, 38808),

Gene: Refuge_86 Start: 50447, Stop: 49695, Start Num: 52
Candidate Starts for Refuge_86:
(Start: 52 @50447 has 311 MA's), (59, 50426), (61, 50414), (69, 50336), (Start: 70 @50333 has 2 MA's), (75, 50303), (79, 50282), (96, 50207), (102, 50189), (103, 50186), (107, 50165), (127, 50123), (131, 50114), (143, 50060), (148, 50039), (157, 50021), (166, 49982), (198, 49850), (212, 49790),

Gene: Remus_88 Start: 47411, Stop: 46695, Start Num: 51
Candidate Starts for Remus_88:
(25, 47507), (Start: 32 @47477 has 1 MA's), (39, 47456), (Start: 51 @47411 has 10 MA's), (59, 47387), (Start: 70 @47294 has 2 MA's), (81, 47228), (95, 47171), (101, 47153), (107, 47126), (119, 47096), (124, 47090), (127, 47084), (131, 47075), (143, 47021), (147, 47009), (198, 46853),

Gene: RenegadeRaider_53 Start: 36035, Stop: 35298, Start Num: 52
Candidate Starts for RenegadeRaider_53:
(Start: 52 @36035 has 311 MA's), (Start: 70 @35924 has 2 MA's), (84, 35849), (87, 35837), (94, 35807), (128, 35729), (140, 35696), (150, 35660), (177, 35561), (178, 35558), (191, 35507), (198, 35474), (202, 35450), (206, 35429), (230, 35327),

Gene: Renzie_59 Start: 39604, Stop: 38873, Start Num: 52
Candidate Starts for Renzie_59:
(Start: 52 @39604 has 311 MA's), (Start: 70 @39502 has 2 MA's), (94, 39385), (113, 39334), (140, 39271), (153, 39226), (158, 39217), (177, 39136), (192, 39079), (203, 39013), (230, 38902),

Gene: Retro23_84 Start: 48244, Stop: 47486, Start Num: 52
Candidate Starts for Retro23_84:
(Start: 52 @48244 has 311 MA's), (59, 48223), (64, 48181), (67, 48157), (Start: 70 @48130 has 2 MA's), (Start: 73 @48109 has 2 MA's), (80, 48073), (88, 48037), (96, 48004), (127, 47920), (131, 47911), (143, 47857), (154, 47821), (169, 47773), (192, 47674), (197, 47650), (198, 47647), (231, 47509),

Gene: Riyhil_59 Start: 39558, Stop: 38827, Start Num: 52
Candidate Starts for Riyhil_59:
(Start: 52 @39558 has 311 MA's), (Start: 70 @39456 has 2 MA's), (94, 39339), (113, 39288), (140, 39225), (153, 39180), (158, 39171), (177, 39090), (192, 39033), (203, 38967), (230, 38856),

Gene: Robinson_59 Start: 39620, Stop: 38889, Start Num: 52
Candidate Starts for Robinson_59:
(Start: 52 @39620 has 311 MA's), (Start: 70 @39518 has 2 MA's), (94, 39401), (113, 39350), (140, 39287), (153, 39242), (158, 39233), (177, 39152), (192, 39095), (203, 39029), (230, 38918),

Gene: RobsFeet_6 Start: 2970, Stop: 3710, Start Num: 52
Candidate Starts for RobsFeet_6:
(30, 2892), (Start: 52 @2970 has 311 MA's), (62, 3003), (Start: 70 @3072 has 2 MA's), (72, 3084), (90, 3174), (94, 3189), (150, 3333), (158, 3351), (171, 3417), (182, 3453), (198, 3525), (202, 3549), (203, 3561), (209, 3576), (230, 3672),

Gene: Rockwell_7 Start: 3470, Stop: 4210, Start Num: 52

Candidate Starts for Rockwell_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Rog141_58 Start: 39291, Stop: 38560, Start Num: 52
Candidate Starts for Rog141_58:
(Start: 52 @39291 has 311 MA's), (Start: 70 @39189 has 2 MA's), (94, 39072), (113, 39021), (140, 38958), (153, 38913), (158, 38904), (177, 38823), (192, 38766), (199, 38730), (203, 38700), (230, 38589),

Gene: RosieMae_58 Start: 39352, Stop: 38621, Start Num: 52
Candidate Starts for RosieMae_58:
(Start: 52 @39352 has 311 MA's), (Start: 70 @39250 has 2 MA's), (94, 39133), (113, 39082), (140, 39019), (153, 38974), (158, 38965), (177, 38884), (192, 38827), (199, 38791), (203, 38761), (230, 38650),

Gene: Rummer_83 Start: 47068, Stop: 46301, Start Num: 53
Candidate Starts for Rummer_83:
(38, 47113), (Start: 53 @47068 has 130 MA's), (59, 47047), (65, 47002), (67, 46981), (Start: 68 @46975 has 1 MA's), (Start: 73 @46933 has 2 MA's), (79, 46903), (81, 46888), (107, 46786), (109, 46783), (122, 46747), (143, 46675), (148, 46654), (184, 46525), (191, 46492), (197, 46465),

Gene: RyeScarlet_89 Start: 48673, Stop: 47912, Start Num: 53
Candidate Starts for RyeScarlet_89:
(21, 48799), (Start: 53 @48673 has 130 MA's), (64, 48613), (67, 48589), (Start: 70 @48562 has 2 MA's), (74, 48535), (84, 48481), (96, 48433), (102, 48415), (107, 48391), (131, 48340), (138, 48313), (143, 48286), (197, 48073), (198, 48070), (205, 48037), (231, 47935),

Gene: SJay_59 Start: 39592, Stop: 38861, Start Num: 52
Candidate Starts for SJay_59:
(Start: 52 @39592 has 311 MA's), (Start: 70 @39490 has 2 MA's), (94, 39373), (113, 39322), (140, 39259), (153, 39214), (158, 39205), (177, 39124), (192, 39067), (199, 39031), (203, 39001), (230, 38890),

Gene: Sabia_82 Start: 47048, Stop: 46281, Start Num: 53
Candidate Starts for Sabia_82:
(Start: 40 @47081 has 1 MA's), (Start: 53 @47048 has 130 MA's), (59, 47027), (65, 46982), (67, 46961), (Start: 68 @46955 has 1 MA's), (Start: 73 @46913 has 2 MA's), (79, 46883), (81, 46868), (107, 46766), (109, 46763), (122, 46727), (143, 46655), (148, 46634), (184, 46505), (191, 46472), (197, 46445),

Gene: Sabinator_82 Start: 47042, Stop: 46275, Start Num: 53
Candidate Starts for Sabinator_82:
(38, 47087), (Start: 53 @47042 has 130 MA's), (59, 47021), (65, 46976), (67, 46955), (Start: 68 @46949 has 1 MA's), (Start: 73 @46907 has 2 MA's), (79, 46877), (81, 46862), (107, 46760), (109, 46757), (122, 46721), (143, 46649), (148, 46628), (184, 46499), (191, 46466), (197, 46439),

Gene: Sachima_84 Start: 48711, Stop: 47950, Start Num: 53
Candidate Starts for Sachima_84:
(21, 48837), (Start: 53 @48711 has 130 MA's), (64, 48651), (67, 48627), (Start: 70 @48600 has 2 MA's), (74, 48573), (84, 48519), (96, 48471), (102, 48453), (107, 48429), (131, 48378), (138, 48351), (143, 48324), (197, 48111), (198, 48108), (205, 48075), (231, 47973),

Gene: Salz_81 Start: 46125, Stop: 45367, Start Num: 52
Candidate Starts for Salz_81:
(Start: 52 @46125 has 311 MA's), (59, 46101), (64, 46059), (Start: 70 @46008 has 2 MA's), (Start: 73 @45987 has 2 MA's), (75, 45978), (79, 45957), (80, 45951), (81, 45942), (105, 45855), (107, 45840), (131, 45792), (138, 45765), (143, 45738), (221, 45435), (231, 45390),

Gene: Sansa_54 Start: 37536, Stop: 36811, Start Num: 52
Candidate Starts for Sansa_54:
(Start: 52 @37536 has 311 MA's), (Start: 70 @37434 has 2 MA's), (94, 37326), (140, 37209), (150, 37173), (155, 37161), (177, 37074), (192, 37017),

Gene: Sapo_49 Start: 39622, Stop: 40341, Start Num: 48
Candidate Starts for Sapo_49:
(Start: 48 @39622 has 3 MA's), (64, 39697), (75, 39778), (98, 39886), (125, 39949), (128, 39955), (176, 40099), (183, 40120), (212, 40237),

Gene: Saratos_56 Start: 37580, Stop: 36855, Start Num: 52
Candidate Starts for Saratos_56:
(Start: 52 @37580 has 311 MA's), (Start: 70 @37478 has 2 MA's), (94, 37370), (129, 37283), (140, 37253), (150, 37217), (155, 37205), (177, 37118), (192, 37061),

Gene: Saskia_83 Start: 46673, Stop: 45915, Start Num: 52
Candidate Starts for Saskia_83:
(Start: 52 @46673 has 311 MA's), (59, 46649), (64, 46607), (Start: 70 @46556 has 2 MA's), (Start: 73 @46535 has 2 MA's), (75, 46526), (79, 46505), (80, 46499), (81, 46490), (105, 46403), (107, 46388), (131, 46340), (138, 46313), (143, 46286), (221, 45983), (231, 45938),

Gene: Savannah_7 Start: 3494, Stop: 4234, Start Num: 52
Candidate Starts for Savannah_7:
(Start: 52 @3494 has 311 MA's), (62, 3527), (Start: 70 @3596 has 2 MA's), (72, 3608), (74, 3623), (90, 3698), (94, 3713), (150, 3857), (158, 3875), (171, 3941), (182, 3977), (198, 4049), (202, 4073), (203, 4085), (230, 4196),

Gene: Scherzo_86 Start: 48728, Stop: 47967, Start Num: 53
Candidate Starts for Scherzo_86:
(21, 48854), (Start: 53 @48728 has 130 MA's), (64, 48668), (67, 48644), (Start: 70 @48617 has 2 MA's), (74, 48590), (84, 48536), (96, 48488), (102, 48470), (107, 48446), (131, 48395), (138, 48368), (143, 48341), (197, 48128), (198, 48125), (205, 48092), (231, 47990),

Gene: Schimmels22_51 Start: 36265, Stop: 35531, Start Num: 52
Candidate Starts for Schimmels22_51:
(Start: 52 @36265 has 311 MA's), (62, 36232), (Start: 70 @36163 has 2 MA's), (94, 36046), (100, 36028), (113, 35995), (135, 35950), (143, 35917), (177, 35794), (185, 35767), (192, 35737), (198, 35707), (202, 35683), (203, 35671),

Gene: Schnapsidee_58 Start: 39452, Stop: 38721, Start Num: 52
Candidate Starts for Schnapsidee_58:
(Start: 52 @39452 has 311 MA's), (69, 39353), (Start: 70 @39350 has 2 MA's), (94, 39233), (113, 39182), (153, 39074), (158, 39065), (177, 38984), (192, 38927), (199, 38891), (203, 38861), (216, 38813), (230, 38750),

Gene: Schubert_51 Start: 36743, Stop: 35955, Start Num: 31

Candidate Starts for Schubert_51:
(Start: 31 @36743 has 1 MA's), (46, 36695), (Start: 70 @36584 has 2 MA's), (94, 36467), (113, 36416), (127, 36389), (153, 36308), (155, 36305), (165, 36269), (191, 36164), (203, 36095), (230, 35984),

Gene: Scissor2024_52 Start: 35911, Stop: 35177, Start Num: 52
Candidate Starts for Scissor2024_52:
(Start: 52 @35911 has 311 MA's), (62, 35878), (63, 35875), (Start: 70 @35809 has 2 MA's), (94, 35692), (100, 35674), (113, 35641), (135, 35596), (143, 35563), (177, 35440), (185, 35413), (192, 35383), (198, 35353), (202, 35329), (203, 35317),

Gene: Scumberland_8 Start: 3697, Stop: 4437, Start Num: 52
Candidate Starts for Scumberland_8:
(Start: 52 @3697 has 311 MA's), (62, 3730), (Start: 70 @3799 has 2 MA's), (72, 3811), (74, 3826), (90, 3901), (94, 3916), (150, 4060), (158, 4078), (171, 4144), (182, 4180), (202, 4276), (203, 4288), (209, 4303), (230, 4399), (238, 4429),

Gene: Sedgewig_58 Start: 39252, Stop: 38521, Start Num: 52
Candidate Starts for Sedgewig_58:
(Start: 52 @39252 has 311 MA's), (Start: 70 @39150 has 2 MA's), (94, 39033), (113, 38982), (140, 38919), (153, 38874), (158, 38865), (177, 38784), (192, 38727), (203, 38661), (230, 38550),

Gene: Selwyn23_8 Start: 3709, Stop: 4449, Start Num: 52
Candidate Starts for Selwyn23_8:
(Start: 52 @3709 has 311 MA's), (62, 3742), (Start: 70 @3811 has 2 MA's), (72, 3823), (74, 3838), (90, 3913), (94, 3928), (150, 4072), (158, 4090), (171, 4156), (182, 4192), (202, 4288), (203, 4300), (230, 4411), (238, 4441),

Gene: SemperFi_84 Start: 48408, Stop: 47650, Start Num: 52
Candidate Starts for SemperFi_84:
(Start: 52 @48408 has 311 MA's), (59, 48387), (64, 48345), (67, 48321), (Start: 70 @48294 has 2 MA's), (Start: 73 @48273 has 2 MA's), (80, 48237), (81, 48228), (96, 48168), (127, 48084), (131, 48075), (143, 48021), (154, 47985), (169, 47937), (192, 47838), (198, 47811), (213, 47745), (231, 47673),

Gene: Serenity_87 Start: 47616, Stop: 46855, Start Num: 52
Candidate Starts for Serenity_87:
(Start: 52 @47616 has 311 MA's), (59, 47592), (64, 47550), (Start: 73 @47478 has 2 MA's), (79, 47448), (80, 47442), (96, 47373), (131, 47283), (143, 47229), (168, 47145), (184, 47079), (197, 47019), (198, 47016), (221, 46923), (231, 46878),

Gene: Settecandela_184 Start: 119829, Stop: 120656, Start Num: 57
Candidate Starts for Settecandela_184:
(20, 119691), (Start: 57 @119829 has 1 MA's), (67, 119907), (Start: 68 @119913 has 1 MA's), (81, 120003), (88, 120027), (95, 120057), (132, 120189), (133, 120195), (147, 120255), (172, 120366), (190, 120435), (198, 120471),

Gene: ShaiHulud_59 Start: 39557, Stop: 38826, Start Num: 52
Candidate Starts for ShaiHulud_59:
(Start: 52 @39557 has 311 MA's), (Start: 70 @39455 has 2 MA's), (94, 39338), (113, 39287), (140, 39224), (153, 39179), (158, 39170), (177, 39089), (192, 39032), (199, 38996), (203, 38966), (230, 38855),

Gene: Sham4_82 Start: 46211, Stop: 45453, Start Num: 52

Candidate Starts for Sham4_82:
(Start: 52 @46211 has 311 MA's), (59, 46187), (64, 46145), (Start: 70 @46094 has 2 MA's), (Start: 73 @46073 has 2 MA's), (75, 46064), (79, 46043), (80, 46037), (81, 46028), (105, 45941), (107, 45926), (131, 45878), (138, 45851), (143, 45824), (221, 45521), (231, 45476),

Gene: Shamu_56 Start: 37469, Stop: 36744, Start Num: 52
Candidate Starts for Shamu_56:
(Start: 52 @37469 has 311 MA's), (Start: 70 @37367 has 2 MA's), (94, 37259), (129, 37172), (140, 37142), (150, 37106), (155, 37094), (177, 37007), (192, 36950),

Gene: SheaKeira_83 Start: 47967, Stop: 47209, Start Num: 53
Candidate Starts for SheaKeira_83:
(Start: 53 @47967 has 130 MA's), (59, 47949), (Start: 70 @47856 has 2 MA's), (74, 47829), (96, 47730), (107, 47688), (131, 47637), (138, 47610), (143, 47583), (148, 47562), (198, 47367), (205, 47334), (231, 47232),

Gene: Shee_59 Start: 39545, Stop: 38814, Start Num: 52
Candidate Starts for Shee_59:
(Start: 52 @39545 has 311 MA's), (Start: 70 @39443 has 2 MA's), (94, 39326), (113, 39275), (140, 39212), (153, 39167), (158, 39158), (177, 39077), (192, 39020), (203, 38954), (230, 38843),

Gene: Shotgun_7 Start: 3470, Stop: 4210, Start Num: 52
Candidate Starts for Shotgun_7:
(Start: 52 @3470 has 311 MA's), (62, 3503), (Start: 70 @3572 has 2 MA's), (72, 3584), (74, 3599), (90, 3674), (94, 3689), (150, 3833), (158, 3851), (171, 3917), (182, 3953), (198, 4025), (202, 4049), (203, 4061), (230, 4172),

Gene: Shrubaron_5 Start: 2863, Stop: 3603, Start Num: 52
Candidate Starts for Shrubaron_5:
(30, 2785), (Start: 52 @2863 has 311 MA's), (62, 2896), (Start: 70 @2965 has 2 MA's), (72, 2977), (90, 3067), (94, 3082), (140, 3190), (150, 3226), (158, 3244), (171, 3310), (198, 3418), (203, 3454), (206, 3463), (230, 3565), (231, 3571),

Gene: Sinatra_52 Start: 36136, Stop: 35399, Start Num: 52
Candidate Starts for Sinatra_52:
(Start: 52 @36136 has 311 MA's), (Start: 70 @36025 has 2 MA's), (84, 35950), (87, 35938), (94, 35908), (128, 35830), (140, 35797), (150, 35761), (177, 35662), (178, 35659), (191, 35608), (198, 35575), (202, 35551), (206, 35530), (230, 35428),

Gene: SirFrank_7 Start: 3530, Stop: 4270, Start Num: 52
Candidate Starts for SirFrank_7:
(Start: 52 @3530 has 311 MA's), (62, 3563), (Start: 70 @3632 has 2 MA's), (72, 3644), (74, 3659), (90, 3734), (94, 3749), (150, 3893), (158, 3911), (171, 3977), (182, 4013), (198, 4085), (202, 4109), (203, 4121), (230, 4232),

Gene: SirVictor_53 Start: 36703, Stop: 35975, Start Num: 52
Candidate Starts for SirVictor_53:
(Start: 52 @36703 has 311 MA's), (Start: 70 @36601 has 2 MA's), (87, 36514), (94, 36484), (128, 36406), (140, 36373), (150, 36337), (169, 36277), (177, 36238), (178, 36235), (191, 36184), (198, 36151), (202, 36127), (206, 36106),

Gene: Sknot_84 Start: 48019, Stop: 47261, Start Num: 52
Candidate Starts for Sknot_84:

(Start: 52 @48019 has 311 MA's), (59, 47998), (61, 47986), (64, 47956), (67, 47932), (Start: 70 @47905 has 2 MA's), (Start: 73 @47884 has 2 MA's), (80, 47848), (81, 47839), (89, 47809), (96, 47779), (107, 47737), (127, 47695), (131, 47686), (143, 47632), (154, 47596), (169, 47548), (192, 47449), (197, 47425), (198, 47422), (231, 47284),

Gene: Skugga_5 Start: 2761, Stop: 3510, Start Num: 52
Candidate Starts for Skugga_5:
(Start: 52 @2761 has 311 MA's), (Start: 70 @2875 has 2 MA's), (72, 2887), (78, 2926), (90, 2977), (94, 2992), (95, 2995), (102, 3016), (108, 3034), (140, 3100), (143, 3115), (150, 3136), (158, 3154), (163, 3187), (171, 3220), (182, 3256), (198, 3328), (203, 3364), (206, 3373), (230, 3472), (231, 3478),

Gene: Smarties_11 Start: 4460, Stop: 5197, Start Num: 52
Candidate Starts for Smarties_11:
(Start: 52 @4460 has 311 MA's), (62, 4493), (Start: 70 @4562 has 2 MA's), (72, 4574), (74, 4589), (90, 4664), (94, 4679), (111, 4727), (140, 4787), (150, 4823), (171, 4907), (198, 5015), (203, 5051), (206, 5060), (230, 5162),

Gene: Smeagan_87 Start: 48956, Stop: 48201, Start Num: 52
Candidate Starts for Smeagan_87:
(Start: 52 @48956 has 311 MA's), (59, 48935), (64, 48893), (67, 48869), (Start: 73 @48821 has 2 MA's), (87, 48752), (96, 48716), (124, 48638), (143, 48569), (148, 48548), (197, 48362), (198, 48359), (231, 48221),

Gene: SnapTap_84 Start: 48379, Stop: 47621, Start Num: 52
Candidate Starts for SnapTap_84:
(Start: 52 @48379 has 311 MA's), (59, 48358), (64, 48316), (67, 48292), (Start: 70 @48265 has 2 MA's), (Start: 73 @48244 has 2 MA's), (80, 48208), (81, 48199), (96, 48139), (127, 48055), (131, 48046), (143, 47992), (154, 47956), (169, 47908), (192, 47809), (198, 47782), (213, 47716), (231, 47644),

Gene: Snape_86 Start: 47318, Stop: 46560, Start Num: 52
Candidate Starts for Snape_86:
(Start: 52 @47318 has 311 MA's), (59, 47294), (64, 47252), (Start: 70 @47201 has 2 MA's), (Start: 73 @47180 has 2 MA's), (75, 47171), (79, 47150), (80, 47144), (81, 47135), (105, 47048), (107, 47033), (131, 46985), (138, 46958), (143, 46931), (221, 46628), (231, 46583),

Gene: Snickers_84 Start: 47013, Stop: 46246, Start Num: 53
Candidate Starts for Snickers_84:
(Start: 40 @47046 has 1 MA's), (Start: 53 @47013 has 130 MA's), (59, 46992), (65, 46947), (67, 46926), (Start: 68 @46920 has 1 MA's), (Start: 73 @46878 has 2 MA's), (79, 46848), (81, 46833), (107, 46731), (109, 46728), (122, 46692), (143, 46620), (148, 46599), (184, 46470), (191, 46437), (197, 46410),

Gene: SoYo_81 Start: 46956, Stop: 46189, Start Num: 53
Candidate Starts for SoYo_81:
(38, 47001), (Start: 53 @46956 has 130 MA's), (59, 46935), (65, 46890), (67, 46869), (Start: 68 @46863 has 1 MA's), (Start: 73 @46821 has 2 MA's), (79, 46791), (81, 46776), (107, 46674), (109, 46671), (122, 46635), (143, 46563), (148, 46542), (184, 46413), (191, 46380), (197, 46353),

Gene: SoilDragon_84 Start: 46516, Stop: 45716, Start Num: 40
Candidate Starts for SoilDragon_84:
(Start: 40 @46516 has 1 MA's), (Start: 53 @46483 has 130 MA's), (59, 46462), (65, 46417), (67, 46396), (Start: 68 @46390 has 1 MA's), (Start: 73 @46348 has 2 MA's), (79, 46318), (81, 46303),

(107, 46201), (109, 46198), (122, 46162), (143, 46090), (148, 46069), (184, 45940), (191, 45907), (197, 45880),

Gene: SoilGremlin_59 Start: 39341, Stop: 38610, Start Num: 52
Candidate Starts for SoilGremlin_59:
(Start: 52 @39341 has 311 MA's), (Start: 70 @39239 has 2 MA's), (94, 39122), (113, 39071), (140, 39008), (153, 38963), (158, 38954), (177, 38873), (192, 38816), (203, 38750), (230, 38639),

Gene: SolidSnake_60 Start: 39340, Stop: 38609, Start Num: 52
Candidate Starts for SolidSnake_60:
(Start: 52 @39340 has 311 MA's), (Start: 70 @39238 has 2 MA's), (94, 39121), (113, 39070), (140, 39007), (153, 38962), (158, 38953), (177, 38872), (192, 38815), (203, 38749), (230, 38638),

Gene: SonOfLevi_59 Start: 39319, Stop: 38588, Start Num: 52
Candidate Starts for SonOfLevi_59:
(Start: 52 @39319 has 311 MA's), (Start: 70 @39217 has 2 MA's), (94, 39100), (113, 39049), (140, 38986), (153, 38941), (158, 38932), (177, 38851), (192, 38794), (199, 38758), (203, 38728), (230, 38617),

Gene: Soror1_57 Start: 39333, Stop: 38602, Start Num: 52
Candidate Starts for Soror1_57:
(Start: 52 @39333 has 311 MA's), (69, 39234), (Start: 70 @39231 has 2 MA's), (94, 39114), (113, 39063), (153, 38955), (158, 38946), (177, 38865), (192, 38808), (199, 38772), (203, 38742), (216, 38694), (230, 38631),

Gene: Soshari_86 Start: 47064, Stop: 46297, Start Num: 53
Candidate Starts for Soshari_86:
(38, 47109), (Start: 53 @47064 has 130 MA's), (59, 47043), (65, 46998), (67, 46977), (Start: 68 @46971 has 1 MA's), (Start: 73 @46929 has 2 MA's), (79, 46899), (81, 46884), (107, 46782), (109, 46779), (122, 46743), (143, 46671), (148, 46650), (184, 46521), (191, 46488), (197, 46461),

Gene: Soups_87 Start: 47266, Stop: 46484, Start Num: 32
Candidate Starts for Soups_87:
(25, 47296), (Start: 32 @47266 has 1 MA's), (39, 47245), (Start: 51 @47200 has 10 MA's), (59, 47176), (Start: 70 @47083 has 2 MA's), (81, 47017), (95, 46960), (101, 46942), (107, 46915), (119, 46885), (124, 46879), (127, 46873), (131, 46864), (143, 46810), (147, 46798), (198, 46642),

Gene: Spike509_84 Start: 47065, Stop: 46298, Start Num: 53
Candidate Starts for Spike509_84:
(Start: 40 @47098 has 1 MA's), (Start: 53 @47065 has 130 MA's), (59, 47044), (65, 46999), (67, 46978), (Start: 68 @46972 has 1 MA's), (Start: 73 @46930 has 2 MA's), (79, 46900), (81, 46885), (107, 46783), (109, 46780), (122, 46744), (143, 46672), (148, 46651), (184, 46522), (191, 46489), (197, 46462),

Gene: Spouty_86 Start: 48466, Stop: 47705, Start Num: 53
Candidate Starts for Spouty_86:
(Start: 53 @48466 has 130 MA's), (64, 48406), (Start: 70 @48355 has 2 MA's), (74, 48328), (84, 48274), (96, 48226), (102, 48208), (107, 48184), (131, 48133), (138, 48106), (139, 48103), (143, 48079), (197, 47866), (198, 47863), (205, 47830), (231, 47728),

Gene: SqueakyClean_66 Start: 44668, Stop: 43940, Start Num: 52
Candidate Starts for SqueakyClean_66:

(Start: 52 @44668 has 311 MA's), (Start: 70 @44554 has 2 MA's), (121, 44377), (180, 44194), (199, 44113), (202, 44095), (232, 43957),

Gene: Stagni_81 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Stagni_81:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Stanktossa_58 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Stanktossa_58:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (203, 38957), (230, 38846),

Gene: StarStuff_84 Start: 48005, Stop: 47232, Start Num: 53
Candidate Starts for StarStuff_84:
(Start: 53 @48005 has 130 MA's), (59, 47981), (64, 47939), (67, 47915), (Start: 73 @47867 has 2 MA's), (79, 47837), (80, 47831), (105, 47735), (107, 47720), (114, 47708), (143, 47606), (148, 47585), (198, 47393), (231, 47255),

Gene: Steamy_83 Start: 49417, Stop: 48665, Start Num: 52
Candidate Starts for Steamy_83:
(Start: 52 @49417 has 311 MA's), (59, 49399), (Start: 70 @49306 has 2 MA's), (79, 49255), (96, 49180), (102, 49162), (107, 49138), (124, 49102), (131, 49087), (143, 49033), (148, 49012), (157, 48994), (184, 48883), (185, 48877),

Gene: StepMih_84 Start: 47034, Stop: 46267, Start Num: 53
Candidate Starts for StepMih_84:
(Start: 40 @47067 has 1 MA's), (Start: 53 @47034 has 130 MA's), (59, 47013), (65, 46968), (67, 46947), (Start: 68 @46941 has 1 MA's), (Start: 73 @46899 has 2 MA's), (79, 46869), (81, 46854), (107, 46752), (109, 46749), (122, 46713), (143, 46641), (148, 46620), (184, 46491), (191, 46458), (197, 46431),

Gene: StingRay_58 Start: 39342, Stop: 38611, Start Num: 52
Candidate Starts for StingRay_58:
(Start: 52 @39342 has 311 MA's), (Start: 70 @39240 has 2 MA's), (94, 39123), (113, 39072), (140, 39009), (153, 38964), (158, 38955), (177, 38874), (192, 38817), (203, 38751), (230, 38640),

Gene: StirfryIV_58 Start: 39264, Stop: 38533, Start Num: 52
Candidate Starts for StirfryIV_58:
(Start: 52 @39264 has 311 MA's), (Start: 70 @39162 has 2 MA's), (94, 39045), (113, 38994), (140, 38931), (153, 38886), (158, 38877), (177, 38796), (192, 38739), (203, 38673), (230, 38562),

Gene: Stormbreaker8_57 Start: 39319, Stop: 38588, Start Num: 52
Candidate Starts for Stormbreaker8_57:
(Start: 52 @39319 has 311 MA's), (69, 39220), (Start: 70 @39217 has 2 MA's), (94, 39100), (113, 39049), (153, 38941), (158, 38932), (177, 38851), (192, 38794), (199, 38758), (203, 38728), (216, 38680), (230, 38617),

Gene: Strathdee_59 Start: 39547, Stop: 38816, Start Num: 52
Candidate Starts for Strathdee_59:

(Start: 52 @39547 has 311 MA's), (Start: 70 @39445 has 2 MA's), (94, 39328), (113, 39277), (140, 39214), (153, 39169), (158, 39160), (177, 39079), (192, 39022), (199, 38986), (203, 38956), (230, 38845),

Gene: Strosahl_88 Start: 47411, Stop: 46695, Start Num: 51
Candidate Starts for Strosahl_88:
(25, 47507), (Start: 32 @47477 has 1 MA's), (39, 47456), (Start: 51 @47411 has 10 MA's), (59, 47387), (Start: 70 @47294 has 2 MA's), (81, 47228), (95, 47171), (101, 47153), (107, 47126), (119, 47096), (124, 47090), (127, 47084), (131, 47075), (143, 47021), (147, 47009), (198, 46853),

Gene: Sunny_ Start: 3722, Stop: 4393, Start Num: 70
Candidate Starts for Sunny_:
(Start: 52 @3620 has 311 MA's), (62, 3653), (Start: 70 @3722 has 2 MA's), (95, 3842), (96, 3845), (97, 3848), (119, 3923), (150, 4016), (158, 4034), (191, 4172), (198, 4205), (202, 4229), (206, 4250), (230, 4352),

Gene: Superchunk_84 Start: 47204, Stop: 46461, Start Num: 52
Candidate Starts for Superchunk_84:
(Start: 52 @47204 has 311 MA's), (59, 47186), (64, 47144), (Start: 70 @47093 has 2 MA's), (Start: 73 @47072 has 2 MA's), (88, 47000), (96, 46967), (107, 46925), (110, 46919), (131, 46874), (138, 46847), (143, 46820), (146, 46811), (197, 46625), (205, 46589), (214, 46553), (231, 46484),

Gene: Superfresh_59 Start: 39604, Stop: 38873, Start Num: 52
Candidate Starts for Superfresh_59:
(Start: 52 @39604 has 311 MA's), (Start: 70 @39502 has 2 MA's), (94, 39385), (113, 39334), (140, 39271), (153, 39226), (158, 39217), (177, 39136), (192, 39079), (203, 39013), (230, 38902),

Gene: SweetiePie_84 Start: 48512, Stop: 47754, Start Num: 52
Candidate Starts for SweetiePie_84:
(Start: 52 @48512 has 311 MA's), (59, 48491), (64, 48449), (67, 48425), (Start: 70 @48398 has 2 MA's), (Start: 73 @48377 has 2 MA's), (80, 48341), (81, 48332), (96, 48272), (127, 48188), (131, 48179), (143, 48125), (154, 48089), (169, 48041), (192, 47942), (198, 47915), (213, 47849), (231, 47777),

Gene: Sweetums_62 Start: 35836, Stop: 36579, Start Num: 52
Candidate Starts for Sweetums_62:
(1, 35131), (2, 35134), (3, 35173), (5, 35485), (6, 35509), (8, 35548), (9, 35593), (10, 35617), (Start: 36 @35782 has 1 MA's), (Start: 52 @35836 has 311 MA's), (62, 35881), (Start: 70 @35950 has 2 MA's), (84, 36025), (97, 36076), (108, 36109), (140, 36175), (153, 36220), (158, 36229), (191, 36364), (198, 36397), (199, 36403), (203, 36433), (206, 36442), (226, 36526), (236, 36568),

Gene: SwirlSquare_87 Start: 46934, Stop: 46176, Start Num: 52
Candidate Starts for SwirlSquare_87:
(17, 47099), (Start: 52 @46934 has 311 MA's), (59, 46910), (64, 46868), (67, 46844), (Start: 70 @46817 has 2 MA's), (Start: 73 @46796 has 2 MA's), (79, 46766), (81, 46751), (96, 46691), (97, 46688), (101, 46676), (107, 46649), (131, 46604), (143, 46550), (145, 46547), (192, 46364), (197, 46340), (198, 46337), (212, 46277), (231, 46199),

Gene: Symere_58 Start: 39262, Stop: 38531, Start Num: 52
Candidate Starts for Symere_58:
(Start: 52 @39262 has 311 MA's), (Start: 70 @39160 has 2 MA's), (94, 39043), (113, 38992), (140, 38929), (153, 38884), (158, 38875), (177, 38794), (192, 38737), (203, 38671), (230, 38560),

Gene: TarsusIV_83 Start: 48405, Stop: 47653, Start Num: 52
Candidate Starts for TarsusIV_83:
(Start: 52 @48405 has 311 MA's), (59, 48384), (61, 48372), (67, 48318), (Start: 70 @48291 has 2 MA's), (91, 48180), (96, 48165), (107, 48123), (127, 48081), (143, 48018), (184, 47868), (197, 47811), (198, 47808), (205, 47775), (231, 47673),

Gene: TatarkaPM_59 Start: 39558, Stop: 38827, Start Num: 52
Candidate Starts for TatarkaPM_59:
(Start: 52 @39558 has 311 MA's), (Start: 70 @39456 has 2 MA's), (94, 39339), (113, 39288), (140, 39225), (153, 39180), (158, 39171), (177, 39090), (192, 39033), (203, 38967), (230, 38856),

Gene: Taurus_85 Start: 47043, Stop: 46276, Start Num: 53
Candidate Starts for Taurus_85:
(Start: 40 @47076 has 1 MA's), (Start: 53 @47043 has 130 MA's), (59, 47022), (65, 46977), (67, 46956), (Start: 68 @46950 has 1 MA's), (Start: 73 @46908 has 2 MA's), (79, 46878), (81, 46863), (107, 46761), (109, 46758), (122, 46722), (143, 46650), (148, 46629), (184, 46500), (191, 46467), (197, 46440),

Gene: Teagan_59 Start: 39538, Stop: 38807, Start Num: 52
Candidate Starts for Teagan_59:
(Start: 52 @39538 has 311 MA's), (Start: 70 @39436 has 2 MA's), (94, 39319), (113, 39268), (140, 39205), (153, 39160), (158, 39151), (177, 39070), (192, 39013), (203, 38947), (230, 38836),

Gene: Teamocil_5 Start: 2600, Stop: 3349, Start Num: 52
Candidate Starts for Teamocil_5:
(Start: 52 @2600 has 311 MA's), (Start: 70 @2714 has 2 MA's), (72, 2726), (78, 2765), (90, 2816), (94, 2831), (95, 2834), (102, 2855), (108, 2873), (140, 2939), (143, 2954), (150, 2975), (158, 2993), (163, 3026), (171, 3059), (182, 3095), (198, 3167), (203, 3203), (206, 3212), (219, 3263), (230, 3311), (231, 3317),

Gene: TeddyBear_58 Start: 39301, Stop: 38570, Start Num: 52
Candidate Starts for TeddyBear_58:
(Start: 52 @39301 has 311 MA's), (Start: 70 @39199 has 2 MA's), (94, 39082), (113, 39031), (140, 38968), (153, 38923), (158, 38914), (177, 38833), (192, 38776), (199, 38740), (203, 38710), (230, 38599),

Gene: Tenda_58 Start: 39299, Stop: 38568, Start Num: 52
Candidate Starts for Tenda_58:
(Start: 52 @39299 has 311 MA's), (Start: 70 @39197 has 2 MA's), (94, 39080), (113, 39029), (140, 38966), (153, 38921), (158, 38912), (177, 38831), (192, 38774), (199, 38738), (203, 38708), (230, 38597),

Gene: Teng_66 Start: 35741, Stop: 36484, Start Num: 52
Candidate Starts for Teng_66:
(1, 35036), (2, 35039), (3, 35078), (5, 35390), (6, 35414), (8, 35453), (9, 35498), (10, 35522), (Start: 36 @35687 has 1 MA's), (Start: 52 @35741 has 311 MA's), (62, 35786), (Start: 70 @35855 has 2 MA's), (84, 35930), (97, 35981), (108, 36014), (111, 36020), (140, 36080), (153, 36125), (158, 36134), (188, 36254), (191, 36269), (198, 36302), (199, 36308), (203, 36338), (206, 36347), (226, 36431), (236, 36473),

Gene: Terrific_85 Start: 47993, Stop: 47235, Start Num: 52
Candidate Starts for Terrific_85:

(Start: 52 @47993 has 311 MA's), (59, 47972), (61, 47960), (64, 47930), (67, 47906), (Start: 70 @47879 has 2 MA's), (Start: 73 @47858 has 2 MA's), (80, 47822), (81, 47813), (89, 47783), (96, 47753), (107, 47711), (127, 47669), (131, 47660), (143, 47606), (154, 47570), (169, 47522), (192, 47423), (197, 47399), (198, 47396), (231, 47258),

Gene: Thestral_68 Start: 45402, Stop: 44662, Start Num: 52
Candidate Starts for Thestral_68:
(18, 45543), (Start: 35 @45459 has 1 MA's), (Start: 52 @45402 has 311 MA's), (Start: 70 @45282 has 2 MA's), (74, 45255), (115, 45129), (144, 45039), (158, 45000), (162, 44982), (173, 44943), (180, 44922),

Gene: Thompsone_59 Start: 39545, Stop: 38814, Start Num: 52
Candidate Starts for Thompsone_59:
(Start: 52 @39545 has 311 MA's), (Start: 70 @39443 has 2 MA's), (94, 39326), (113, 39275), (140, 39212), (153, 39167), (158, 39158), (177, 39077), (192, 39020), (203, 38954), (230, 38843),

Gene: Thorongil_59 Start: 39062, Stop: 38331, Start Num: 52
Candidate Starts for Thorongil_59:
(Start: 52 @39062 has 311 MA's), (Start: 70 @38960 has 2 MA's), (94, 38843), (113, 38792), (140, 38729), (153, 38684), (158, 38675), (177, 38594), (192, 38537), (203, 38471), (230, 38360),

Gene: Tiffany_83 Start: 46928, Stop: 46161, Start Num: 53
Candidate Starts for Tiffany_83:
(38, 46973), (Start: 53 @46928 has 130 MA's), (59, 46907), (65, 46862), (67, 46841), (Start: 68 @46835 has 1 MA's), (Start: 73 @46793 has 2 MA's), (79, 46763), (81, 46748), (107, 46646), (109, 46643), (122, 46607), (143, 46535), (148, 46514), (184, 46385), (191, 46352), (197, 46325),

Gene: Timothy_86 Start: 47295, Stop: 46537, Start Num: 52
Candidate Starts for Timothy_86:
(Start: 52 @47295 has 311 MA's), (59, 47271), (64, 47229), (Start: 70 @47178 has 2 MA's), (Start: 73 @47157 has 2 MA's), (75, 47148), (79, 47127), (80, 47121), (81, 47112), (105, 47025), (107, 47010), (131, 46962), (138, 46935), (143, 46908), (221, 46605), (231, 46560),

Gene: TinSulphur_60 Start: 39554, Stop: 38823, Start Num: 52
Candidate Starts for TinSulphur_60:
(Start: 52 @39554 has 311 MA's), (Start: 70 @39452 has 2 MA's), (94, 39335), (113, 39284), (140, 39221), (153, 39176), (158, 39167), (177, 39086), (192, 39029), (203, 38963), (230, 38852),

Gene: TinaBelcher_66 Start: 45320, Stop: 44529, Start Num: 35
Candidate Starts for TinaBelcher_66:
(Start: 26 @45362 has 2 MA's), (28, 45356), (Start: 35 @45320 has 1 MA's), (Start: 52 @45263 has 311 MA's), (58, 45254), (Start: 70 @45149 has 2 MA's), (74, 45122), (115, 44996), (144, 44906), (158, 44867), (162, 44849), (173, 44810), (180, 44789),

Gene: TinyPebbles_83 Start: 47072, Stop: 46305, Start Num: 53
Candidate Starts for TinyPebbles_83:
(38, 47117), (Start: 53 @47072 has 130 MA's), (59, 47051), (65, 47006), (67, 46985), (Start: 68 @46979 has 1 MA's), (Start: 73 @46937 has 2 MA's), (79, 46907), (81, 46892), (107, 46790), (109, 46787), (122, 46751), (143, 46679), (148, 46658), (184, 46529), (191, 46496), (197, 46469),

Gene: TinyTimmy_84 Start: 47024, Stop: 46266, Start Num: 52
Candidate Starts for TinyTimmy_84:

(Start: 52 @47024 has 311 MA's), (59, 47000), (64, 46958), (Start: 70 @46907 has 2 MA's), (Start: 73 @46886 has 2 MA's), (75, 46877), (79, 46856), (80, 46850), (81, 46841), (105, 46754), (107, 46739), (131, 46691), (138, 46664), (143, 46637), (221, 46334), (231, 46289),

Gene: Tinyman4_51 Start: 35961, Stop: 35227, Start Num: 52
Candidate Starts for Tinyman4_51:
(Start: 52 @35961 has 311 MA's), (62, 35928), (Start: 70 @35859 has 2 MA's), (94, 35742), (100, 35724), (113, 35691), (135, 35646), (143, 35613), (177, 35490), (185, 35463), (192, 35433), (198, 35403), (202, 35379), (203, 35367),

Gene: TipsytheTRex_83 Start: 47618, Stop: 46857, Start Num: 52
Candidate Starts for TipsytheTRex_83:
(Start: 52 @47618 has 311 MA's), (59, 47594), (64, 47552), (Start: 73 @47480 has 2 MA's), (79, 47450), (80, 47444), (96, 47375), (131, 47285), (143, 47231), (168, 47147), (184, 47081), (197, 47021), (198, 47018), (221, 46925), (231, 46880),

Gene: Toaka_86 Start: 48570, Stop: 47812, Start Num: 53
Candidate Starts for Toaka_86:
(Start: 53 @48570 has 130 MA's), (59, 48552), (67, 48486), (Start: 70 @48459 has 2 MA's), (74, 48432), (96, 48333), (107, 48291), (131, 48240), (138, 48213), (143, 48186), (147, 48174), (157, 48147), (159, 48135), (198, 47970), (231, 47835),

Gene: Tomathan_84 Start: 48083, Stop: 47310, Start Num: 53
Candidate Starts for Tomathan_84:
(Start: 53 @48083 has 130 MA's), (59, 48059), (64, 48017), (67, 47993), (Start: 73 @47945 has 2 MA's), (79, 47915), (80, 47909), (105, 47813), (107, 47798), (114, 47786), (143, 47684), (148, 47663), (198, 47471), (231, 47333),

Gene: Travvers_84 Start: 48000, Stop: 47227, Start Num: 53
Candidate Starts for Travvers_84:
(Start: 53 @48000 has 130 MA's), (59, 47976), (64, 47934), (67, 47910), (Start: 73 @47862 has 2 MA's), (79, 47832), (80, 47826), (97, 47754), (105, 47730), (107, 47715), (114, 47703), (143, 47601), (148, 47580), (198, 47388), (231, 47250),

Gene: Trixie_84 Start: 48979, Stop: 48218, Start Num: 49
Candidate Starts for Trixie_84:
(Start: 49 @48979 has 3 MA's), (Start: 52 @48976 has 311 MA's), (59, 48952), (64, 48910), (67, 48886), (Start: 70 @48859 has 2 MA's), (80, 48802), (81, 48793), (87, 48769), (96, 48733), (127, 48655), (131, 48646), (143, 48592), (164, 48517), (184, 48436), (198, 48376), (210, 48328), (212, 48316), (231, 48238),

Gene: Trooper_83 Start: 47964, Stop: 47212, Start Num: 52
Candidate Starts for Trooper_83:
(Start: 52 @47964 has 311 MA's), (59, 47943), (61, 47931), (67, 47877), (Start: 70 @47850 has 2 MA's), (96, 47724), (107, 47682), (127, 47640), (143, 47577), (197, 47370), (198, 47367), (205, 47334), (231, 47232),

Gene: TrvxScott_65 Start: 45467, Stop: 44634, Start Num: 26
Candidate Starts for TrvxScott_65:
(Start: 26 @45467 has 2 MA's), (28, 45461), (Start: 35 @45425 has 1 MA's), (Start: 52 @45368 has 311 MA's), (58, 45359), (Start: 70 @45254 has 2 MA's), (74, 45227), (144, 45011), (158, 44972), (162, 44954), (173, 44915), (180, 44894),

Gene: Tubs_88 Start: 48683, Stop: 47922, Start Num: 53
Candidate Starts for Tubs_88:
(Start: 53 @48683 has 130 MA's), (64, 48623), (Start: 70 @48572 has 2 MA's), (74, 48545), (84, 48491), (96, 48443), (102, 48425), (107, 48401), (131, 48350), (138, 48323), (143, 48296), (197, 48083), (198, 48080), (205, 48047), (231, 47945),

Gene: Turbido_85 Start: 48677, Stop: 47922, Start Num: 52
Candidate Starts for Turbido_85:
(Start: 52 @48677 has 311 MA's), (59, 48656), (64, 48614), (67, 48590), (Start: 73 @48542 has 2 MA's), (87, 48473), (96, 48437), (124, 48359), (143, 48290), (148, 48269), (197, 48083), (198, 48080), (231, 47942),

Gene: Tyrumbra_5 Start: 2866, Stop: 3615, Start Num: 52
Candidate Starts for Tyrumbra_5:
(23, 2752), (Start: 52 @2866 has 311 MA's), (Start: 70 @2980 has 2 MA's), (72, 2992), (90, 3082), (94, 3097), (108, 3139), (150, 3241), (158, 3259), (171, 3325), (182, 3361), (198, 3433), (203, 3469), (206, 3478), (230, 3577), (231, 3583),

Gene: Ugenie5_75 Start: 46172, Stop: 45411, Start Num: 53
Candidate Starts for Ugenie5_75:
(21, 46298), (Start: 53 @46172 has 130 MA's), (64, 46112), (67, 46088), (Start: 70 @46061 has 2 MA's), (74, 46034), (84, 45980), (96, 45932), (102, 45914), (107, 45890), (131, 45839), (138, 45812), (143, 45785), (197, 45572), (198, 45569), (205, 45536), (231, 45434),

Gene: Updawg_85 Start: 48207, Stop: 47449, Start Num: 52
Candidate Starts for Updawg_85:
(Start: 52 @48207 has 311 MA's), (59, 48186), (61, 48174), (64, 48144), (67, 48120), (Start: 70 @48093 has 2 MA's), (Start: 73 @48072 has 2 MA's), (80, 48036), (81, 48027), (89, 47997), (96, 47967), (127, 47883), (131, 47874), (143, 47820), (154, 47784), (169, 47736), (192, 47637), (197, 47613), (198, 47610), (231, 47472),

Gene: VA6_84 Start: 48305, Stop: 47550, Start Num: 52
Candidate Starts for VA6_84:
(Start: 52 @48305 has 311 MA's), (59, 48284), (64, 48242), (Start: 70 @48191 has 2 MA's), (Start: 73 @48170 has 2 MA's), (80, 48134), (81, 48125), (89, 48095), (96, 48065), (131, 47972), (143, 47918), (154, 47882), (156, 47879), (169, 47834), (192, 47735), (198, 47708), (210, 47660), (231, 47570),

Gene: VC3_82 Start: 46905, Stop: 46132, Start Num: 53
Candidate Starts for VC3_82:
(Start: 53 @46905 has 130 MA's), (59, 46881), (64, 46839), (67, 46815), (Start: 73 @46767 has 2 MA's), (79, 46737), (80, 46731), (97, 46659), (105, 46635), (107, 46620), (114, 46608), (143, 46506), (148, 46485), (198, 46293), (231, 46155),

Gene: VanLee_161 Start: 81358, Stop: 80615, Start Num: 50
Candidate Starts for VanLee_161:
(Start: 50 @81358 has 1 MA's), (67, 81268), (76, 81208), (97, 81124), (103, 81106), (110, 81079), (112, 81076), (124, 81052), (134, 81025), (143, 80983), (149, 80962), (170, 80896), (173, 80875), (174, 80872), (194, 80797), (196, 80788), (201, 80758),

Gene: Vanisoa_83 Start: 48902, Stop: 48144, Start Num: 53
Candidate Starts for Vanisoa_83:
(Start: 53 @48902 has 130 MA's), (59, 48884), (Start: 70 @48791 has 2 MA's), (74, 48764), (96, 48665), (102, 48647), (107, 48623), (131, 48572), (138, 48545), (143, 48518), (198, 48302), (205,

48269), (231, 48167),

Gene: Velene_59 Start: 39544, Stop: 38813, Start Num: 52
Candidate Starts for Velene_59:
(Start: 52 @39544 has 311 MA's), (Start: 70 @39442 has 2 MA's), (94, 39325), (113, 39274), (140, 39211), (153, 39166), (158, 39157), (177, 39076), (192, 39019), (203, 38953), (230, 38842),

Gene: Vispistious_59 Start: 39548, Stop: 38817, Start Num: 52
Candidate Starts for Vispistious_59:
(Start: 52 @39548 has 311 MA's), (Start: 70 @39446 has 2 MA's), (94, 39329), (113, 39278), (140, 39215), (153, 39170), (158, 39161), (177, 39080), (192, 39023), (199, 38987), (203, 38957), (230, 38846),

Gene: Vix_80 Start: 47123, Stop: 46356, Start Num: 53
Candidate Starts for Vix_80:
(38, 47168), (Start: 53 @47123 has 130 MA's), (59, 47102), (65, 47057), (67, 47036), (Start: 68 @47030 has 1 MA's), (Start: 73 @46988 has 2 MA's), (79, 46958), (81, 46943), (107, 46841), (109, 46838), (122, 46802), (143, 46730), (148, 46709), (184, 46580), (191, 46547), (197, 46520),

Gene: Warrior24_89 Start: 47992, Stop: 47276, Start Num: 51
Candidate Starts for Warrior24_89:
(25, 48088), (39, 48037), (Start: 51 @47992 has 10 MA's), (59, 47968), (81, 47809), (91, 47764), (95, 47752), (101, 47734), (107, 47707), (119, 47677), (124, 47671), (127, 47665), (131, 47656), (143, 47602), (147, 47590), (214, 47368),

Gene: Watson_83 Start: 47032, Stop: 46265, Start Num: 53
Candidate Starts for Watson_83:
(Start: 40 @47065 has 1 MA's), (Start: 53 @47032 has 130 MA's), (59, 47011), (65, 46966), (67, 46945), (Start: 68 @46939 has 1 MA's), (Start: 73 @46897 has 2 MA's), (79, 46867), (81, 46852), (107, 46750), (109, 46747), (122, 46711), (143, 46639), (148, 46618), (184, 46489), (191, 46456), (197, 46429),

Gene: WeiHuaDA_86 Start: 49232, Stop: 48477, Start Num: 52
Candidate Starts for WeiHuaDA_86:
(Start: 52 @49232 has 311 MA's), (59, 49211), (64, 49169), (67, 49145), (Start: 70 @49118 has 2 MA's), (Start: 73 @49097 has 2 MA's), (80, 49061), (81, 49052), (87, 49028), (96, 48992), (127, 48914), (131, 48905), (143, 48851), (197, 48638), (198, 48635), (210, 48587), (212, 48575), (231, 48497),

Gene: WestPM_51 Start: 36179, Stop: 35445, Start Num: 52
Candidate Starts for WestPM_51:
(Start: 52 @36179 has 311 MA's), (62, 36146), (Start: 70 @36077 has 2 MA's), (94, 35960), (100, 35942), (113, 35909), (135, 35864), (143, 35831), (158, 35792), (177, 35708), (192, 35651), (198, 35621), (202, 35597), (203, 35585),

Gene: Whabigail7_84 Start: 48675, Stop: 47920, Start Num: 52
Candidate Starts for Whabigail7_84:
(Start: 52 @48675 has 311 MA's), (59, 48654), (64, 48612), (67, 48588), (Start: 73 @48540 has 2 MA's), (87, 48471), (96, 48435), (124, 48357), (143, 48288), (148, 48267), (197, 48081), (198, 48078), (231, 47940),

Gene: WideWale_85 Start: 48207, Stop: 47449, Start Num: 52
Candidate Starts for WideWale_85:

(Start: 52 @48207 has 311 MA's), (59, 48186), (61, 48174), (64, 48144), (67, 48120), (Start: 70 @48093 has 2 MA's), (Start: 73 @48072 has 2 MA's), (80, 48036), (81, 48027), (89, 47997), (96, 47967), (127, 47883), (131, 47874), (143, 47820), (154, 47784), (169, 47736), (192, 47637), (197, 47613), (198, 47610), (231, 47472),

Gene: WildNOut_59 Start: 39541, Stop: 38810, Start Num: 52
Candidate Starts for WildNOut_59:
(Start: 52 @39541 has 311 MA's), (Start: 70 @39439 has 2 MA's), (94, 39322), (113, 39271), (140, 39208), (153, 39163), (158, 39154), (177, 39073), (192, 39016), (203, 38950), (230, 38839),

Gene: Winzigespinne_58 Start: 39287, Stop: 38556, Start Num: 52
Candidate Starts for Winzigespinne_58:
(Start: 52 @39287 has 311 MA's), (Start: 70 @39185 has 2 MA's), (94, 39068), (113, 39017), (140, 38954), (153, 38909), (158, 38900), (177, 38819), (192, 38762), (203, 38696), (230, 38585),

Gene: Wolpertinger_85 Start: 47330, Stop: 46572, Start Num: 52
Candidate Starts for Wolpertinger_85:
(Start: 52 @47330 has 311 MA's), (59, 47306), (64, 47264), (Start: 70 @47213 has 2 MA's), (Start: 73 @47192 has 2 MA's), (75, 47183), (79, 47162), (80, 47156), (81, 47147), (105, 47060), (107, 47045), (131, 46997), (138, 46970), (143, 46943), (221, 46640), (231, 46595),

Gene: Wooldri_86 Start: 46949, Stop: 46182, Start Num: 53
Candidate Starts for Wooldri_86:
(38, 46994), (Start: 53 @46949 has 130 MA's), (59, 46928), (65, 46883), (67, 46862), (Start: 68 @46856 has 1 MA's), (Start: 73 @46814 has 2 MA's), (79, 46784), (81, 46769), (107, 46667), (109, 46664), (122, 46628), (143, 46556), (148, 46535), (184, 46406), (191, 46373), (197, 46346),

Gene: WorldCup_86 Start: 48363, Stop: 47602, Start Num: 53
Candidate Starts for WorldCup_86:
(Start: 53 @48363 has 130 MA's), (64, 48303), (67, 48279), (Start: 70 @48252 has 2 MA's), (74, 48225), (84, 48171), (96, 48123), (107, 48081), (131, 48030), (138, 48003), (143, 47976), (148, 47955), (159, 47925), (198, 47760), (231, 47625),

Gene: Xebius_56 Start: 37583, Stop: 36858, Start Num: 52
Candidate Starts for Xebius_56:
(Start: 52 @37583 has 311 MA's), (Start: 70 @37481 has 2 MA's), (94, 37373), (129, 37286), (140, 37256), (150, 37220), (155, 37208), (177, 37121), (192, 37064),

Gene: XianYue_83 Start: 48459, Stop: 47704, Start Num: 52
Candidate Starts for XianYue_83:
(Start: 52 @48459 has 311 MA's), (59, 48438), (64, 48396), (67, 48372), (Start: 70 @48345 has 2 MA's), (Start: 73 @48324 has 2 MA's), (80, 48288), (81, 48279), (89, 48249), (96, 48219), (127, 48135), (131, 48126), (143, 48072), (152, 48039), (169, 47988), (197, 47865), (198, 47862), (231, 47724),

Gene: Yecey3_89 Start: 48441, Stop: 47680, Start Num: 53
Candidate Starts for Yecey3_89:
(22, 48561), (Start: 53 @48441 has 130 MA's), (64, 48381), (67, 48357), (Start: 70 @48330 has 2 MA's), (74, 48303), (84, 48249), (96, 48201), (102, 48183), (103, 48180), (107, 48159), (131, 48108), (138, 48081), (143, 48054), (157, 48015), (197, 47841), (198, 47838), (231, 47703),

Gene: Yeti_7 Start: 3479, Stop: 4219, Start Num: 52
Candidate Starts for Yeti_7:

(Start: 52 @3479 has 311 MA's), (62, 3512), (Start: 70 @3581 has 2 MA's), (72, 3593), (74, 3608), (90, 3683), (94, 3698), (150, 3842), (158, 3860), (171, 3926), (182, 3962), (202, 4058), (203, 4070), (230, 4181), (238, 4211),

Gene: Zada_60 Start: 39560, Stop: 38829, Start Num: 52
Candidate Starts for Zada_60:
(Start: 52 @39560 has 311 MA's), (Start: 70 @39458 has 2 MA's), (94, 39341), (113, 39290), (140, 39227), (153, 39182), (158, 39173), (177, 39092), (192, 39035), (203, 38969), (230, 38858),

Gene: Zapato_5 Start: 2851, Stop: 3588, Start Num: 52
Candidate Starts for Zapato_5:
(30, 2770), (Start: 52 @2851 has 311 MA's), (62, 2884), (Start: 70 @2953 has 2 MA's), (84, 3028), (90, 3055), (94, 3070), (96, 3076), (108, 3112), (140, 3178), (143, 3193), (158, 3232), (171, 3298), (198, 3406), (203, 3442), (206, 3451), (219, 3502), (230, 3550),

Gene: Zenitsu_56 Start: 37616, Stop: 36891, Start Num: 52
Candidate Starts for Zenitsu_56:
(Start: 52 @37616 has 311 MA's), (Start: 70 @37514 has 2 MA's), (94, 37406), (129, 37319), (140, 37289), (150, 37253), (155, 37241), (177, 37154), (192, 37097),

Gene: Zimmer_85 Start: 49879, Stop: 49121, Start Num: 52
Candidate Starts for Zimmer_85:
(Start: 52 @49879 has 311 MA's), (59, 49858), (61, 49846), (67, 49792), (Start: 70 @49765 has 2 MA's), (79, 49714), (91, 49654), (96, 49639), (143, 49492), (148, 49471), (157, 49453), (166, 49414), (184, 49342), (231, 49144),