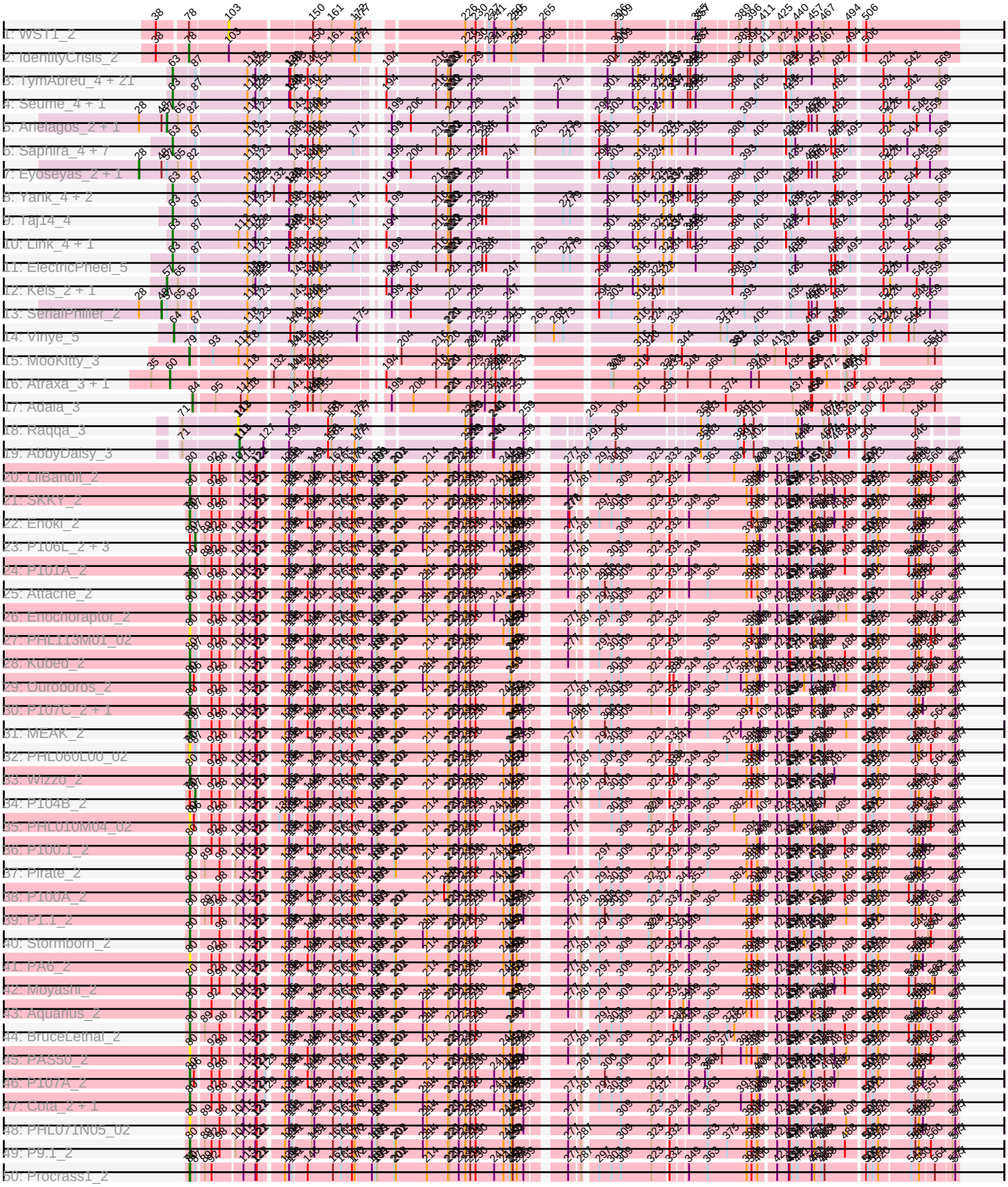
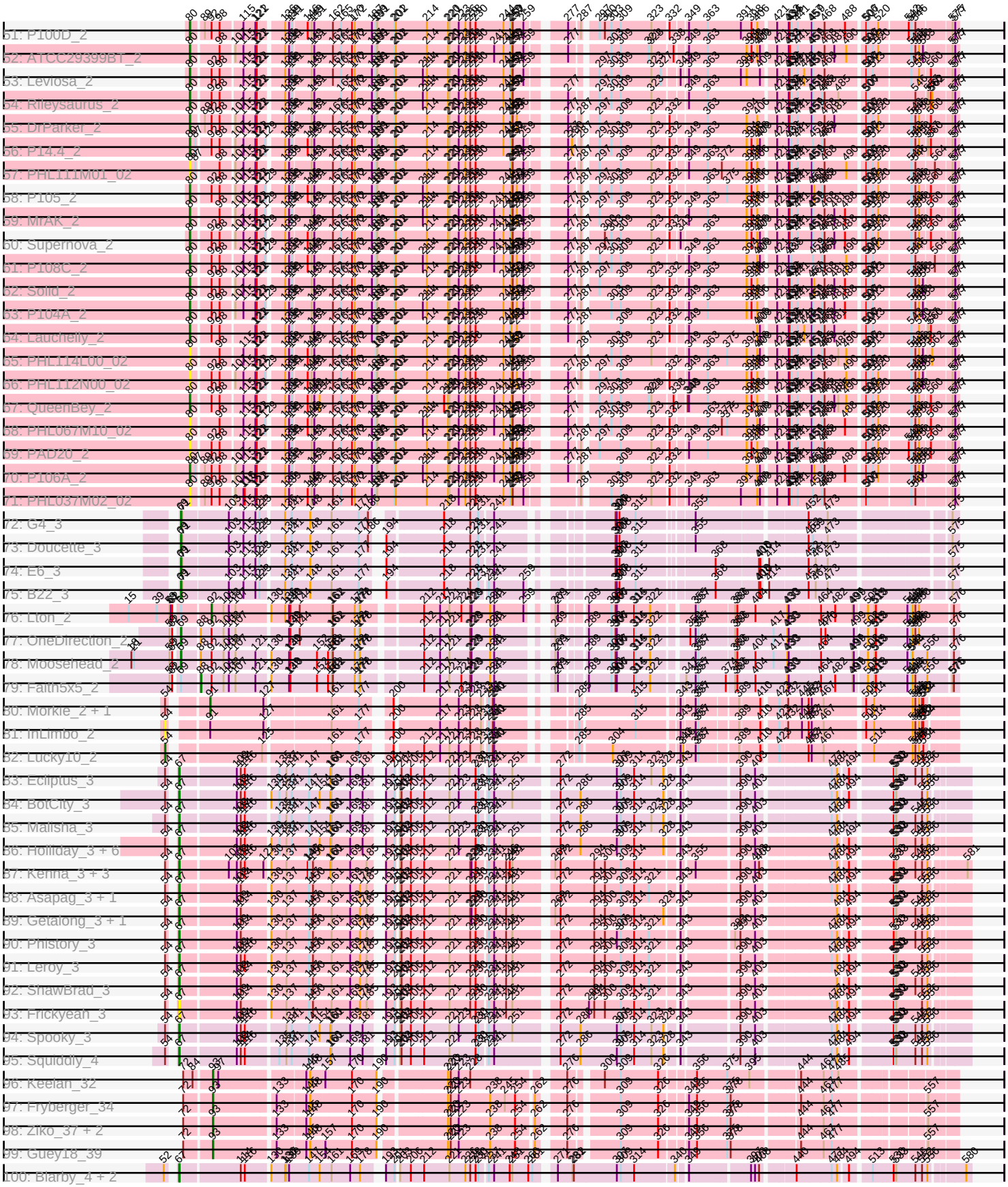
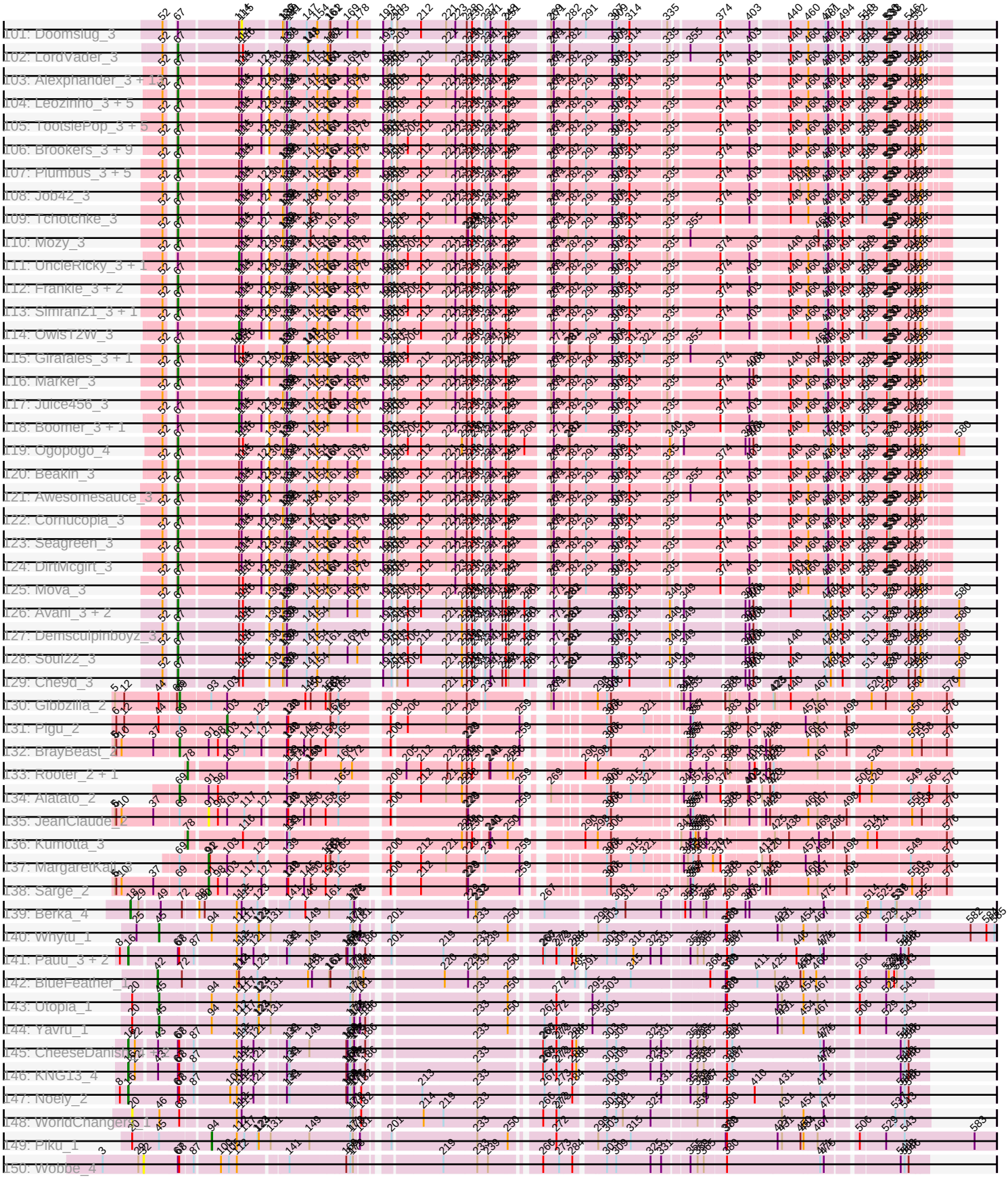
Pham 347052



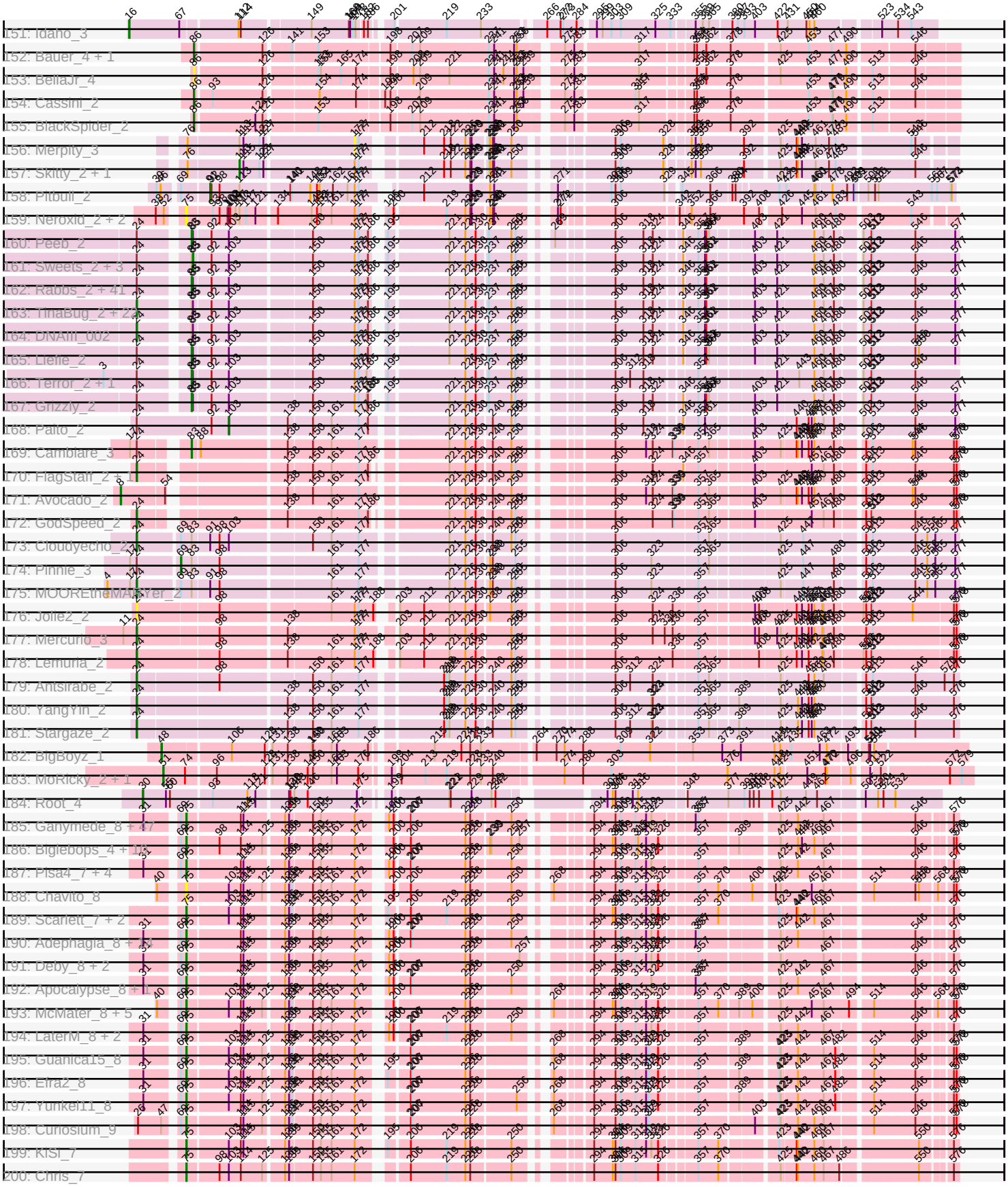
Pham 347052


51: P100D_2
52: ATCC29399BT_2
53: Leviosa_2
54: Rileysaurus_2
55: DrParker_2
56: P14.4_2
57: PHL111M01_02
58: P105_2
59: MrAK_2
60: Supernova_2
61: P108C_2
62: Solid_2
63: P104A_2
64: Lauchelly_2
65: PHL114L00_02
66: PHL112N00_02
67: QueenBey_2
68: PHL067M10_02
69: PAD20_2
70: P106A_2
71: PHL037M02_02
72: G4_3
73: Doucette_3
74: E6_3
75: B22_3
76: Lton_2
77: OneDirection_2
78: Moosehead_2
79: Faith5x5_2
80: Morkie_2 + 1
81: InLimbo_2
82: Lucky10_2
83: Ecliptus_3
84: BotCity_3
85: Malisha_3
86: Holliday_3 + 6
87: Kenna_3 + 3
88: Asapag_3 + 1
89: Getalong_3 + 1
90: Phistory_3
91: Leroy_3
92: ShawBrad_3
93: Frickyeah_3
94: Spooky_3
95: Squiddly_4
96: Keelan_32
97: Fryberger_34
98: Ziko_37 + 2
99: Guey18_39
100: Blarby_4 + 2

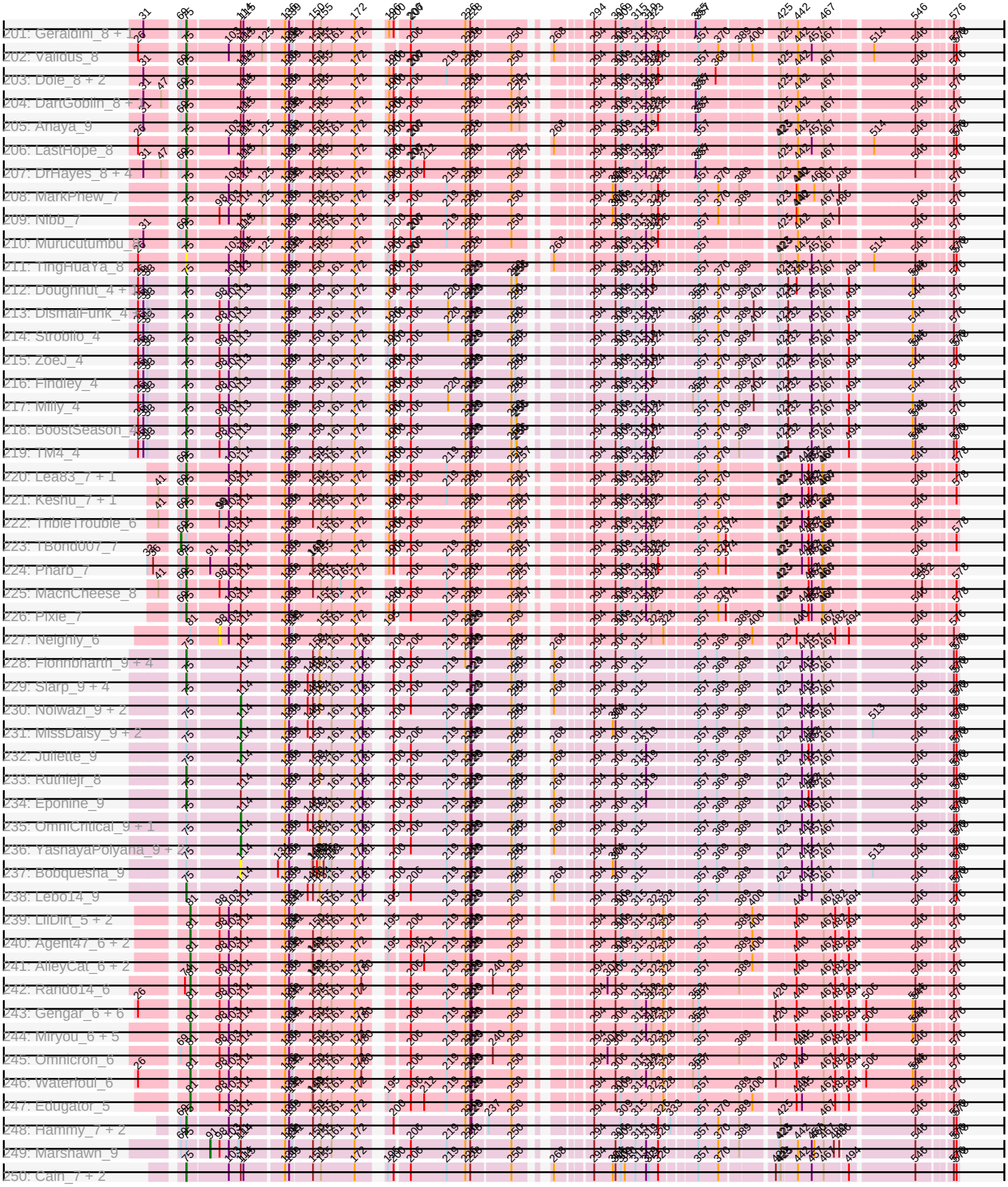
Pham 347052



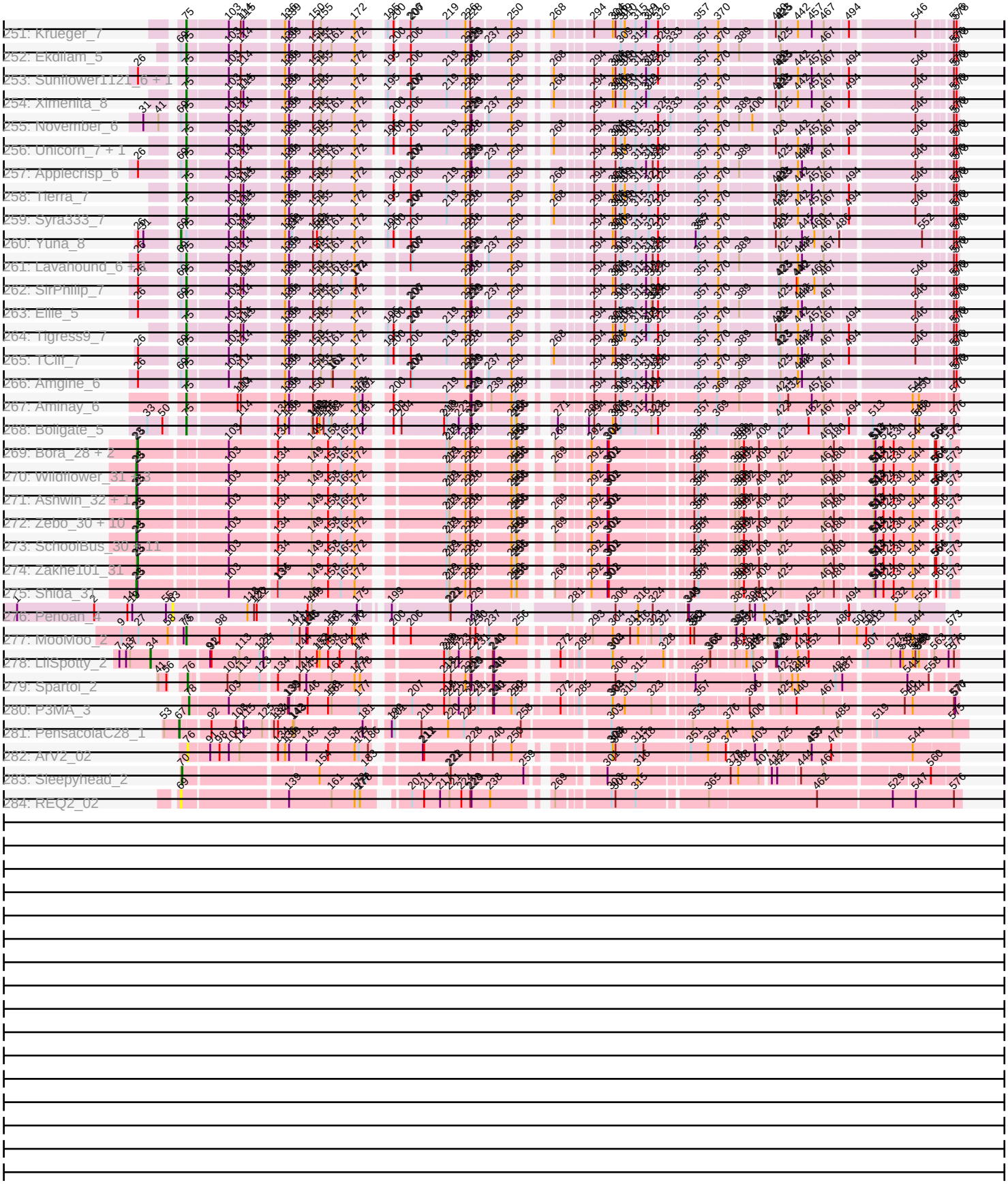
Pham 347052



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251: Krueger_7
252: Ekdilam_5
253: Sunflower1121_6 + 1
254: Ximenita_8
255: November_6
256: Unicorn_7 + 1
257: Applecrisp_6
258: Tierra_7
259: Syra333_7
260: Yuna_8
261: Lavahound_6 + 1
262: SirPhilip_7
263: Ellie_5
264: Tigress9_7
265: TCliff_7
266: Amgine_6
267: Aminay_6
268: Bollgate_5
269: Bora_28 + 2
270: Wildflower_31 + 3
271: Ashwin_32 + 1
272: Zebo_30 + 10
273: SchoolBus_30 + 11
274: Zakhe101_31
275: Shida_31
276: Penoan_4
277: MooMoo_2
278: LilSpotty_2
279: Spartol_2
280: P3MA_3
281: PensacolaC28_1
282: Arv2_02
283: Sleepyhead_2
284: REQ2_02

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 347052 Report

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

Pham number 347052 has 630 members, 55 are drafts.

Phages represented in each track:
• Track 1 : WST1_2
• Track 2 : IdentityCrisis_2
• Track 3 : TymAbreu_4, Hunnie_4, Stratus_4, Azathoth_4, Mariposa_4, Arby_4, Ronnie_4, Guntur_4, Copper_4, Sandman_4, LouisXIV_4, Chestnut_4, Massimo_4, Prospero_4, Courtney3_4, Jessica_5, Inspire2_4, Maggie_4, TinoCrisci_4, Dewayne_4, CGermain_4, Moloch_4
• Track 4 : Seume_4, Toulouse_3
• Track 5 : Arielagos_2, FirePit_2
• Track 6 : Saphira_4, Swenson_4, StewieGriff_4, Blair_4, Elkhorn_4, Laila_5, KylieMac_5, Lore_4
• Track 7 : Eyoseyas_2, Ximeno_2
• Track 8 : Yank_4, Muttlie_4, Decurro_4
• Track 9 : Taj14_4
• Track 10 : Link_4, Sourignavong_5
• Track 11 : ElectricPheel_5
• Track 12 : Kels_2, StrawberryLem_2
• Track 13 : SerialPhiller_2
• Track 14 : Vinye_5
• Track 15 : MooKitty_3
• Track 16 : Atraxa_3, Sputnik_3
• Track 17 : Adaia_3
• Track 18 : Raqqa_3
• Track 19 : AbbyDaisy_3
• Track 20 : LilBandit_2
• Track 21 : SKKY_2
• Track 22 : Enoki_2
• Track 23 : P106L_2, P106C_2, P106I_2, P106M_2
• Track 24 : P101A_2
• Track 25 : Attacne_2
• Track 26 : Enochoraptor_2
• Track 27 : PHL113M01_02
• Track 28 : Kubed_2
• Track 29 : Ouroboros_2
• Track 30 : P107C_2, ATCC29399BC_2
• Track 31 : MEAK_2
• Track 32 : PHL060L00_02
• Track 33 : Wizzo_2

- Track 34 : P104B_2
- Track 35 : PHL010M04_02
- Track 36 : P100.1_2
- Track 37 : Pirate_2
- Track 38 : P100A_2
- Track 39 : P1.1_2
- Track 40 : Stormborn_2
- Track 41 : PA6_2
- Track 42 : Moyashi_2
- Track 43 : Aquarius_2
- Track 44 : BruceLethal_2
- Track 45 : PAS50_2
- Track 46 : P107A_2
- Track 47 : Cota_2, Keiki_2
- Track 48 : PHL071N05_02
- Track 49 : P9.1_2
- Track 50 : Procrass1_2
- Track 51 : P100D_2
- Track 52 : ATCC29399BT_2
- Track 53 : Leviosa_2
- Track 54 : Rileysaurus_2
- Track 55 : DrParker_2
- Track 56 : P14.4_2
- Track 57 : PHL111M01_02
- Track 58 : P105_2
- Track 59 : MrAK_2
- Track 60 : Supernova_2
- Track 61 : P108C_2
- Track 62 : Solid_2
- Track 63 : P104A_2
- Track 64 : Lauchelly_2
- Track 65 : PHL114L00_02
- Track 66 : PHL112N00_02
- Track 67 : QueenBey_2
- Track 68 : PHL067M10_02
- Track 69 : PAD20_2
- Track 70 : P106A_2
- Track 71 : PHL037M02_02
- Track 72 : G4_3
- Track 73 : Doucette_3
- Track 74 : E6_3
- Track 75 : B22_3
- Track 76 : Lton_2
- Track 77 : OneDirection_2
- Track 78 : Moosehead_2
- Track 79 : Faith5x5_2
- Track 80 : Morkie_2, PhorbesPhlower_2
- Track 81 : InLimbo_2
- Track 82 : Lucky10_2
- Track 83 : Ecliptus_3
- Track 84 : BotCity_3
- Track 85 : Malisha_3

• Track 86 : Holliday_3, Budski_3, LitninMcQueen_3, CheeseTouch_3, Phabuloso_3, ODay_3, Kamaru_3
• Track 87 : Kenna_3, Periwinkle_3, Lutum_3, Horus_3
• Track 88 : Asapag_3, BENtherdunthat_3
• Track 89 : Getalong_3, Whitney_3
• Track 90 : Phistory_3
• Track 91 : Leroy_3
• Track 92 : ShawBrad_3
• Track 93 : Frickyeah_3
• Track 94 : Spooky_3
• Track 95 : Squiddly_4
• Track 96 : Keelan_32
• Track 97 : Fryberger_34
• Track 98 : Ziko_37, Ronaldo_37, Volt_36
• Track 99 : Guey18_39
• Track 100 : Blarby_4, Zapner_4, Jabbawokkie_4
• Track 101 : Doomslug_3
• Track 102 : LordVader_3
• Track 103 : Alexphander_3, Spikelee_3, Bobi_3, Slim_3, Stap_3, Peridot_3, DosHalletts_3, Emmaloid_3, Starcevich_3, Totinger_3, Rialto_3, JalFarm20_3, Ramsey_3, Tootsieroll_3
• Track 104 : Leozinho_3, Beanstalk_3, BuzzLyseyear_3, DaWorst_3, RockyHorror_3, Madiba_3
• Track 105 : TootsiePop_3, Aloeri_3, DocMcStuffins_3, Misha28_3, Piper2020_3, ChickenDinner_3
• Track 106 : Brookers_3, Kingsley_3, Cerasum_3, Enby_3, Sarma624_3, Lucia_3, Lorde_3, Coco12_3, BigPhil_3, Velveteen_3
• Track 107 : Plumbus_3, MulchExplorer_3, Hegedechwinu_3, Kimberlium_3, Brushbloom_3, Flathead_3
• Track 108 : Job42_3
• Track 109 : Tchotchke_3
• Track 110 : Mozy_3
• Track 111 : UncleRicky_3, Drago_3
• Track 112 : Frankie_3, Squirty_3, Oksu_3
• Track 113 : SimranZ1_3, Pollywog_3
• Track 114 : OwlsT2W_3
• Track 115 : Girafales_3, Quico_3
• Track 116 : Marker_3
• Track 117 : Juice456_3
• Track 118 : Boomer_3, LittleShirley_3
• Track 119 : Ogopogo_4
• Track 120 : Beakin_3
• Track 121 : Awesomesauce_3
• Track 122 : Cornucopia_3
• Track 123 : Seagreen_3
• Track 124 : DirtMcgirt_3
• Track 125 : Mova_3
• Track 126 : Avani_3, Yoshi_3, SilverChicken_3
• Track 127 : Demsculpinboyz_3
• Track 128 : Soul22_3
• Track 129 : Che9d_3
• Track 130 : Gibbzilla_2
• Track 131 : Pigu_2

• Track 132 : BrayBeast_2
• Track 133 : Rooter_2, Shoya_2
• Track 134 : Alatato_2
• Track 135 : JeanClaude_2
• Track 136 : Kumotta_3
• Track 137 : MargaretKali_3
• Track 138 : Sarge_2
• Track 139 : Berka_4
• Track 140 : Whytu_1
• Track 141 : Pauu_3, CabbageMan_2, LauKoruNamu_3
• Track 142 : BlueFeather_1
• Track 143 : Utopia_1
• Track 144 : Yavru_1
• Track 145 : CheeseDanish_4, Nebulanyx_4, Corgi_4
• Track 146 : KNG13_4
• Track 147 : Noely_2
• Track 148 : WorldChangers_1
• Track 149 : Piku_1
• Track 150 : Wobbe_4
• Track 151 : Idaho_3
• Track 152 : Bauer_4, Zucker_3
• Track 153 : BellaJr_4
• Track 154 : Cassini_2
• Track 155 : BlackSpider_2
• Track 156 : Merpity_3
• Track 157 : Skitty_2, MrSmee_2
• Track 158 : Pitbull_2
• Track 159 : Neroxid_2, Raya_2, Skyerus_2
• Track 160 : Peeb_2
• Track 161 : Sweets_2, Maliketh_2, ShaboiShabazz_2, TomBrady_2
• Track 162 : Rabbs_2, Cherrybomb426_2, AzulaCat_2, Phish_2, BruceB_2, Hope_2, Hotshotbaby7_2, Kasen3_2, Barkley26_2, Primanti_2, Cedasite_2, Angel_2, ECartman_2, Jeilious_2, Jane_2, AizenPogi_2, Jonghyun_2, Rattrick_2, Renaissance_2, Periodt_2, Crespo_2, Halo_2, Gomashi_2, GoldenAsh_2, ZoMa_2, BPs_2, OctaviousRex_2, CassieYates_2, Olga_2, Richarlison_2, BQuat_2, Phreak_2, Aroostook_2, LouisV14_2, JorRay_2, Jolene_2, Avrafan_2, Annihilator_2, Kareem_2, Sneeze_2, Chance64_2, Coleslaw_2
• Track 163 : TinaBug_2, DingDing_2, Camri_2, PinkYoshi_2, Phloodle_2, Sizemore_2, Marmie_2, Mowgli_2, Zombie_2, CLED96_2, Remy19_2, Darionha_2, Schiebel_2, Frosty24_2, ForeverHowLong_2, Wendigo_2, Neoh_2, Plagueis_2, Ruriko_2, Gideon_2, Terralys_2, MZKinsey_2, DMoney_2
• Track 164 : DNAIII_002
• Track 165 : Liefie_2
• Track 166 : Terror_2, Taheera_2
• Track 167 : Grizzly_2
• Track 168 : Paito_2
• Track 169 : Cambiare_3
• Track 170 : FlagStaff_2, Pace1224_2
• Track 171 : Avocado_2
• Track 172 : GodSpeed_2
• Track 173 : Cloudyecho_2
• Track 174 : Pinnie_3
• Track 175 : MOOREtheMARYer_2

• Track 176 : Jolie2_2
• Track 177 : Mercurio_3
• Track 178 : Lemuria_2
• Track 179 : Antsirabe_2
• Track 180 : YangYin_2
• Track 181 : Stargaze_2
• Track 182 : BigBoyz_1
• Track 183 : MoRicky_2, Smilerella_2
• Track 184 : Root_4
• Track 185 : Ganymede_8, Durfee_8, ShiaSurprise_8, Clipper_8, MacKat_8, Tiri_8, Dalmuri_8, Jarvi_8, CrimD_8, Asayake_8, Hyperbowlee_8, CREW_8, BGlluviae_8, Belladonna_8, Lunahalos_8, BEEST_8, MeaningOfLife_8, Padpat_8, Padfoot_8, Zavala_8, Atiba_8, Megsy_8, Lokum_8, Boiiii_8, Pokerus_7, Emerson_8, Topper_8, CheetoDust_8, Piatt_8, Llorens_8, Prithvi_8, Jeckyll_8, AlishaPH_8, Capricorn_8, Adonis_8, LindNT_8, TreyKay_8, Twitch_8, Veliki_8, Homura_8, QuincyRose_7, Blizzard_8, Rosmarinus_8, Peel_8, Tachez_8, Inky_8, Spock_8, CaseJules_8
• Track 186 : Biglebops_4, Amelie_4, Enkosi_4, SgtBeansprout_4, Teejan_4, Torres_4, Nutello_4, Nikao_4, Trice_4, Mdavu_4, LilPharaoh_4
• Track 187 : Pisa4_7, Pisa1_7, Kheparia_9, Bern_8, TaiwanKao_8
• Track 188 : Chavito_8
• Track 189 : Scarlett_7, LeMond_7, Oscar_7
• Track 190 : Adephagia_8, Slimphazie_8, Zabiza_8, Jayhawk_8, Ramen_8, HedwigODU_8, ActinUp_8, TruffulaTree_8, BarrelRoll_8, CallaLilly_8, JAWS_8, Rapunzel97_8, Joy99_8, YoureAdopted_7, BaghaKamala_8
• Track 191 : Deby_8, Sulley_8, Angelica_8
• Track 192 : Apocalypse_8, Mynx_8
• Track 193 : McMater_8, Shaobing_8, Peanam_8, Dartin_8, Niklas_8, Richo_8
• Track 194 : LaterM_8, Ageofdapage_8, Stinson_8
• Track 195 : Guanica15_8
• Track 196 : Efra2_8
• Track 197 : Yunkel11_8
• Track 198 : Curiosium_9
• Track 199 : KiSi_7
• Track 200 : Chris_7
• Track 201 : Geraldini_8, Beezoo_8
• Track 202 : Validus_8
• Track 203 : Dole_8, Devera_8, Illumine_8
• Track 204 : DartGoblin_8, Bella96_8
• Track 205 : Anaya_9
• Track 206 : LastHope_8
• Track 207 : DrHayes_8, Anma_8, SamuelLPlaqson_8, TiniBug_8, Urkel_8
• Track 208 : MarkPhew_7
• Track 209 : Nibb_7
• Track 210 : Murucutumbu_8
• Track 211 : TingHuaYa_8
• Track 212 : Doughnut_4, Mufasa_4
• Track 213 : DismalFunk_4, Marcoliusprime_4, DismalStressor_4
• Track 214 : Strobilo_4
• Track 215 : ZoeJ_4
• Track 216 : Findley_4
• Track 217 : Milly_4
• Track 218 : BoostSeason_4
• Track 219 : TM4_4

• Track 220 : Lea83_7, ShedlockHolmes_7
• Track 221 : Keshu_7, Hurricane_7
• Track 222 : TribleTrouble_6
• Track 223 : TBond007_7
• Track 224 : Pharb_7
• Track 225 : MacnCheese_8
• Track 226 : Pixie_7
• Track 227 : Neighly_6
• Track 228 : Fionnbharth_9, JF1_9, Malthus_9, Kraw_9, Wintermute_9
• Track 229 : Slarp_9, Cheetobro_9, Chancellor_9, Mitti_9, Taquito_7
• Track 230 : Nolwazi_9, Qhanda_9, SamScheppers_7
• Track 231 : MissDaisy_9, Patt_9, Reptar3000_9
• Track 232 : Juliette_9
• Track 233 : Ruthiejr_8
• Track 234 : Eponine_9
• Track 235 : OmniCritical_9, DanSyl44_9
• Track 236 : YasnayaPolyana_9, Y10_09, Y2_09
• Track 237 : Bobquesha_9
• Track 238 : Lebo14_9
• Track 239 : LilDirt_5, Larva_6, ViviJ_5
• Track 240 : Agent47_6, InvictusManeo_6, Kratio_5
• Track 241 : AlleyCat_6, Psycho_6, Dadosky_6
• Track 242 : Rando14_6
• Track 243 : Gengar_6, SoSeph_6, OkiRoe_6, Leston_6, Guillsminger_6, Heftyboy_6, Paola_6
• Track 244 : Miryou_6, DoubleChamp_6, Collard_6, Feyre_6, Thyatira_6, BananenDer11_6
• Track 245 : Omnicron_6
• Track 246 : Waterfoul_6
• Track 247 : Edugator_5
• Track 248 : Hammy_7, Amohnition_7, DarthP_7
• Track 249 : Marshawn_9
• Track 250 : Cain_7, Phrank_7, Bryler_7
• Track 251 : Krueger_7
• Track 252 : Ekdilam_5
• Track 253 : Sunflower1121_6, Shadow1_6
• Track 254 : Ximenita_8
• Track 255 : November_6
• Track 256 : Unicorn_7, PhelpsODU_7
• Track 257 : Applecrisp_6
• Track 258 : Tierra_7
• Track 259 : Syra333_7
• Track 260 : Yuna_8
• Track 261 : Lavahound_6, Fefferhead_7
• Track 262 : SirPhilip_7
• Track 263 : Ellie_5
• Track 264 : Tigress9_7
• Track 265 : TClif_7
• Track 266 : Amgine_6
• Track 267 : Aminay_6
• Track 268 : Boilgate_5
• Track 269 : Bora_28, MadKillah_32, Firecracker_31
• Track 270 : Wildflower_31, YoyoKar_29, Wogge42_30, Alkhayr_31

• Track 271 : Ashwin_32, Dylan_30
• Track 272 : Zebo_30, Catdawg_30, YungJamal_33, Blessica_31, Vorrps_30, FoulBall_30, KingPhillip3_30, Murai_31, Imara_31, Corndog_32, Schuy_32
• Track 273 : SchoolBus_30, Ryadel_33, Idergollasper_30, Smooch_33, TelAviv_28, JangDynasty_30, Mori_30, NiebruSaylor_30, Vagabond_31, Krili_30, Familton_31, Winget_31
• Track 274 : Zakhe101_31
• Track 275 : Shida_31
• Track 276 : Penoan_4
• Track 277 : MooMoo_2
• Track 278 : LilSpotty_2
• Track 279 : Spartoi_2
• Track 280 : P3MA_3
• Track 281 : PensacolaC28_1
• Track 282 : ArV2_02
• Track 283 : Sleepyhead_2
• Track 284 : REQ2_02

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

The start number called the most often in the published annotations is 75, it was called in 172 of the 575 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_8, Adephagia_8, Adonis_8, Ageofdapage_8, AlishaPH_8, Amelie_4, Amgine_6, Aminay_6, Amohnition_7, Anaya_9, Angelica_8, Anma_8, Apocalypse_8, Applecrisp_6, Asayake_8, Atiba_8, BEEST_8, BGlluviae_8, BaghaKamala_8, BarrelRoll_8, Beezoo_8, Bella96_8, Belladonna_8, Bern_8, Biglebops_4, Blizzard_8, Boiiii_8, Boilgate_5, BoostSeason_4, Bryler_7, CREW_8, Cain_7, CallaLilly_8, Capricorn_8, CaseJules_8, Chancellor_9, Chavito_8, CheetoDust_8, Cheetobro_9, Chris_7, Clipper_8, CrimD_8, Curiosium_9, Dalmuri_8, DartGoblin_8, DarthP_7, Dartin_8, Deby_8, Devera_8, DismalFunk_4, DismalStressor_4, Dole_8, Doughnut_4, DrHayes_8, Durfee_8, Efra2_8, Ekdilam_5, Ellie_5, Emerson_8, Enkosi_4, Eponine_9, Fefferhead_7, Findley_4, Fionnbharth_9, Ganymede_8, Geraldini_8, Guanica15_8, Hammy_7, HedwigODU_8, Homura_8, Hurricane_7, Hyperbowlee_8, Illumine_8, Inky_8, JAWS_8, JF1_9, Jarvi_8, Jayhawk_8, Jeckyll_8, Joy99_8, Keshu_7, Kheparia_9, KiSi_7, Kraw_9, Krueger_7, LastHope_8, LaterM_8, Lavahound_6, LeMond_7, Lea83_7, Lebo14_9, LilPharaoh_4, LindNT_8, Llorens_8, Lokum_8, Lunahalos_8, MacKat_8, MacnCheese_8, Malthus_9, Marcoliusprime_4, MarkPhew_7, McMater_8, Mdavu_4, MeaningOfLife_8, Megsy_8, Milly_4, Mitti_9, MooMoo_2, Mufasa_4, Murucutumbu_8, Mynx_8, Neroxid_2, Nibb_7, Nikao_4, Niklas_8, November_6, Nutello_4, Oscar_7, Padfoot_8, Padpat_8, Peanam_8, Peel_8, Pharb_7, PhelpsODU_7, Phrank_7, Piatt_8, Pisa1_7, Pisa4_7, Pixie_7, Pokerus_7, Prithvi_8, QuincyRose_7, Ramen_8, Rapunzel97_8, Raya_2, Richo_8, Rosmarinus_8, Ruthiejr_8, SamuelLPlaqson_8, Scarlett_7, SgtBeansprout_4, Shadow1_6, Shaobing_8, ShedlockHolmes_7, ShiaSurprise_8, SirPhilip_7, Skyerus_2, Slarp_9, Slimphazie_8, Spock_8, Stinson_8, Strobilo_4, Sulley_8, Sunflower1121_6, Syra333_7, TClif_7, TM4_4, Tachez_8, TaiwanKao_8, Taquito_7, Teejan_4, Tierra_7, Tigress9_7, TingHuaYa_8, TiniBug_8, Tiri_8, Topper_8, Torres_4, TreyKay_8, TribleTrouble_6, Trice_4, TruffulaTree_8, Twitch_8, Unicorn_7,

Urkel_8, Validus_8, Veliki_8, Wintermute_9, Ximenita_8, YoureAdopted_7, Yunkel11_8, Zabiza_8, Zavala_8, ZoeJ_4,

Genes that have the "Most Annotated" start but do not call it:
• Bobquesha_9, DanSyl44_9, Juliette_9, Marshawn_9, MissDaisy_9, Nolwazi_9, OmniCritical_9, Patt_9, Qhanda_9, Reptar3000_9, SamScheppers_7, TBond007_7, Y10_09, Y2_09, YasnayaPolyana_9, Yuna_8,

Genes that do not have the "Most Annotated" start:
• ATCC29399BC_2, ATCC29399BT_2, AbbyDaisy_3, Adaia_3, Agent47_6, AizenPogi_2, Alatato_2, Alexphander_3, Alkhayr_31, AlleyCat_6, Aloeri_3, Angel_2, Annihilator_2, Antsirabe_2, Aquarius_2, ArV2_02, Arby_4, Arielagos_2, Aroostook_2, Asapag_3, Ashwin_32, Atraxa_3, Attacne_2, Avani_3, Avocado_2, Avrafan_2, Awesomesauce_3, Azathoth_4, AzulaCat_2, B22_3, BENtherdunthat_3, BPs_2, BQuat_2, BananenDer11_6, Barkley26_2, Bauer_4, Beakin_3, Beanstalk_3, BellaJr_4, Berka_4, BigBoyz_1, BigPhil_3, BlackSpider_2, Blair_4, Blarby_4, Blessica_31, BlueFeather_1, Bobi_3, Boomer_3, Bora_28, BotCity_3, BrayBeast_2, Brookers_3, BruceB_2, BruceLethal_2, Brushbloom_3, Budski_3, BuzzLyseyear_3, CGermain_4, CLED96_2, CabbageMan_2, Cambiare_3, Camri_2, CassieYates_2, Cassini_2, Catdawg_30, Cedasite_2, Cerasum_3, Chance64_2, Che9d_3, CheeseDanish_4, CheeseTouch_3, Cherrybomb426_2, Chestnut_4, ChickenDinner_3, Cloudyecho_2, Coco12_3, Coleslaw_2, Collard_6, Copper_4, Corgi_4, Corndog_32, Cornucopia_3, Cota_2, Courtney3_4, Crespo_2, DMoney_2, DNAIII_002, DaWorst_3, Dadosky_6, Darionha_2, Decurro_4, Demsculpinboyz_3, Dewayne_4, DingDing_2, DirtMcgirt_3, DocMcStuffins_3, Doomslug_3, DosHalletts_3, DoubleChamp_6, Doucette_3, DrParker_2, Drago_3, Dylan_30, E6_3, ECartman_2, Ecliptus_3, Edugator_5, ElectricPheel_5, Elkhorn_4, Emmaloid_3, Enby_3, Enochoraptor_2, Enoki_2, Eyoseyas_2, Faith5x5_2, Famílton_31, Feyre_6, FirePit_2, Firecracker_31, FlagStaff_2, Flathead_3, ForeverHowLong_2, FoulBall_30, Frankie_3, Frickyeah_3, Frosty24_2, Fryberger_34, G4_3, Gengar_6, Getalong_3, Gibbzilla_2, Gideon_2, Girafales_3, GodSpeed_2, GoldenAsh_2, Gomashi_2, Grizzly_2, Guey18_39, Guillsminger_6, Guntur_4, Halo_2, Heftyboy_6, Hegedechwinu_3, Holliday_3, Hope_2, Horus_3, Hotshotbaby7_2, Hunnie_4, Idaho_3, IdentityCrisis_2, Idergollasper_30, Imara_31, InLimbo_2, Inspire2_4, InvictusManeo_6, Jabbawokkie_4, JalFarm20_3, Jane_2, JangDynasty_30, JeanClaude_2, Jeilious_2, Jessica_5, Job42_3, Jolene_2, Jolie2_2, Jonghyun_2, JorRay_2, Juice456_3, KNG13_4, Kamaru_3, Kareem_2, Kasen3_2, Keelan_32, Keiki_2, Kels_2, Kenna_3, Kimberlium_3, KingPhillip3_30, Kingsley_3, Kratio_5, Krili_30, Kubed_2, Kumotta_3, KylieMac_5, Laila_5, Larva_6, LauKoruNamu_3, Lauchelly_2, Lemuria_2, Leozinho_3, Leroy_3, Leston_6, Leviosa_2, Liefie_2, LilBandit_2, LilDirt_5, LilSpotty_2, Link_4, LitninMcQueen_3, LittleShirley_3, LordVader_3, Lorde_3, Lore_4, LouisV14_2, LouisXIV_4, Lton_2, Lucia_3, Lucky10_2, Lutum_3, MEAK_2, MOOREtheMARYer_2, MZKinsey_2, MadKillah_32, Madiba_3, Maggie_4, Maliketh_2, Malisha_3, MargaretKali_3, Mariposa_4, Marker_3, Marmie_2, Massimo_4, Mercurio_3, Merpity_3, Miryou_6, Misha28_3, MoRicky_2, Moloch_4, MooKitty_3, Moosehead_2, Mori_30, Morkie_2, Mova_3, Mowgli_2, Moyashi_2, Mozy_3, MrAK_2, MrSmee_2, MulchExplorer_3, Murai_31, Muttlie_4, Nebulanyx_4, Neighly_6, Neoh_2, NiebruSaylor_30, Noely_2, ODay_3, OctaviousRex_2, Ogopogo_4, OkiRoe_6, Oksu_3, Olga_2, Omnicron_6, OneDirection_2, Ouroboros_2, OwlsT2W_3, P1.1_2, P100.1_2, P100A_2, P100D_2, P101A_2, P104A_2, P104B_2, P105_2, P106A_2, P106C_2, P106I_2, P106L_2, P106M_2, P107A_2, P107C_2, P108C_2, P14.4_2, P3MA_3, P9.1_2, PA6_2, PAD20_2, PAS50_2, PHL010M04_02, PHL037M02_02, PHL060L00_02,

PHL067M10_02, PHL071N05_02, PHL111M01_02, PHL112N00_02, PHL113M01_02, PHL114L00_02, Pace1224_2, Paito_2, Paola_6, Pauu_3, Peeb_2, Penoan_4, PensacolaC28_1, Peridot_3, Periodt_2, Periwinkle_3, Phabuloso_3, Phish_2, Phistory_3, Phloodle_2, PhorbesPhlower_2, Phreak_2, Pigu_2, Piku_1, PinkYoshi_2, Pinnie_3, Piper2020_3, Pirate_2, Pitbull_2, Plagueis_2, Plumbus_3, Pollywog_3, Primanti_2, Procrass1_2, Prospero_4, Psycho_6, QueenBey_2, Quico_3, REQ2_02, Rabbs_2, Ramsey_3, Rando14_6, Raqqa_3, Rattrick_2, Remy19_2, Renaissance_2, Rialto_3, Richarlison_2, Rileysaurus_2, RockyHorror_3, Ronaldo_37, Ronnie_4, Root_4, Rooter_2, Ruriko_2, Ryadel_33, SKKY_2, Sandman_4, Saphira_4, Sarge_2, Sarma624_3, Schiebel_2, SchoolBus_30, Schuy_32, Seagreen_3, SerialPhiller_2, Seume_4, ShaboiShabazz_2, ShawBrad_3, Shida_31, Shoya_2, SilverChicken_3, SimranZ1_3, Sizemore_2, Skitty_2, Sleepyhead_2, Slim_3, Smilerella_2, Smooch_33, Sneeze_2, SoSeph_6, Solid_2, Soul22_3, Sourignavong_5, Spartoi_2, Spikelee_3, Spooky_3, Sputnik_3, Squiddly_4, Squirty_3, Stap_3, Starcevich_3, Stargaze_2, StewieGriff_4, Stormborn_2, Stratus_4, StrawberryLem_2, Supernova_2, Sweets_2, Swenson_4, Taheera_2, Taj14_4, Tchotchke_3, TelAviv_28, Terralys_2, Terror_2, Thyatira_6, TinaBug_2, TinoCrisci_4, TomBrady_2, TootsiePop_3, Tootsieroll_3, Totinger_3, Toulouse_3, TymAbreu_4, UncleRicky_3, Utopia_1, Vagabond_31, Velveteen_3, Vinye_5, ViviJ_5, Volt_36, Vorrps_30, WST1_2, Waterfoul_6, Wendigo_2, Whitney_3, Whytu_1, Wildflower_31, Winget_31, Wizzo_2, Wobbe_4, Wogge42_30, WorldChangers_1, Ximeno_2, YangYin_2, Yank_4, Yavru_1, Yoshi_3, YoyoKar_29, YungJamal_33, Zakhe101_31, Zapner_4, Zebo_30, Ziko_37, ZoMa_2, Zombie_2, Zucker_3,

Summary by start number:

Start 8:
• Found in 5 of 630 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Avocado_2 (G2),

Start 16:
• Found in 9 of 630 (1.4%) of genes in pham
• Manual Annotations of this start: 8 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_2 (FE), CheeseDanish_4 (FE), Corgi_4 (FE), Idaho_3 (FE), KNG13_4 (FE), LauKoruNamu_3 (FE), Nebulanyx_4 (FE), Noely_2 (FE), Pauu_3 (FE),

Start 18:
• Found in 2 of 630 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Berka_4 (FE),

Start 20:
• Found in 4 of 630 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: WorldChangers_1 (FE),

Start 23:
• Found in 34 of 630 (5.4%) of genes in pham
• Manual Annotations of this start: 17 of 575
• Called 55.9% of time when present
• Phage (with cluster) where this start called: Alkhayr_31 (O), Ashwin_32 (O), Dylan_30 (O), Familton_31 (O), Idergollasper_30 (O), JangDynasty_30 (O), Krili_30 (O), Mori_30 (O), NiebruSaylor_30 (O), Ryadel_33 (O), SchoolBus_30 (O), Shida_31 (O), Smooch_33 (O), TelAviv_28 (O), Vagabond_31 (O), Wildflower_31 (O), Winget_31 (O), Wogge42_30 (O), YoyoKar_29 (O),

Start 24:
• Found in 89 of 630 (14.1%) of genes in pham
• Manual Annotations of this start: 31 of 575
• Called 39.3% of time when present
• Phage (with cluster) where this start called: Antsirabe_2 (G5), CLED96_2 (G1), Camri_2 (G1), Cloudyecho_2 (G3), DMoney_2 (G1), DNAIII_002 (G1), Darionha_2 (G1), DingDing_2 (G1), FlagStaff_2 (G2), ForeverHowLong_2 (G1), Frosty24_2 (G1), Gideon_2 (G1), GodSpeed_2 (G2), Jolie2_2 (G4), Lemuria_2 (G4), MOOREtheMARYer_2 (G3), MZKinsey_2 (G1), Marmie_2 (G1), Mercurio_3 (G4), Mowgli_2 (G1), Neoh_2 (G), Pace1224_2 (G2), Phloodle_2 (G1), PinkYoshi_2 (G1), Plagueis_2 (G1), Remy19_2 (G1), Ruriko_2 (G1), Schiebel_2 (G1), Sizemore_2 (G1), Stargaze_2 (G5), Terralys_2 (G1), TinaBug_2 (G1), Wendigo_2 (G1), YangYin_2 (G5), Zombie_2 (G1),

Start 25:
• Found in 35 of 630 (5.6%) of genes in pham
• Manual Annotations of this start: 15 of 575
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Blessica_31 (O), Bora_28 (O), Catdawg_30 (O), Corndog_32 (O), Firecracker_31 (O), FoulBall_30 (O), Imara_31 (O), KingPhillip3_30 (O), MadKillah_32 (O), Murai_31 (O), Schuy_32 (O), Vorrps_30 (O), YungJamal_33 (O), Zakhe101_31 (O), Zebo_30 (O),

Start 28:
• Found in 5 of 630 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Eyoseyas_2 (AN), Ximeno_2 (AN),

Start 30:
• Found in 1 of 630 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Root_4 (JC),

Start 32:
• Found in 1 of 630 (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: Wobbe_4 (FE),

Start 34:
• Found in 1 of 630 (0.2%) of genes in pham

• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilSpotty_2 (singleton),

Start 42:
• Found in 1 of 630 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueFeather_1 (FE),

Start 45:
• Found in 4 of 630 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 575
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Utopia_1 (FE), Whytu_1 (FE), Yavru_1 (FE),

Start 48:
• Found in 6 of 630 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 575
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BigBoyz_1 (GH), SerialPhiller_2 (AN),

Start 51:
• Found in 2 of 630 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MoRicky_2 (GH), Smilerella_2 (GH),

Start 54:
• Found in 29 of 630 (4.6%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 6.9% of time when present
• Phage (with cluster) where this start called: InLimbo_2 (DH), Lucky10_2 (DH),

Start 57:
• Found in 7 of 630 (1.1%) of genes in pham
• Manual Annotations of this start: 4 of 575
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Arielagos_2 (AN), FirePit_2 (AN), Kels_2 (AN), StrawberryLem_2 (AN),

Start 60:
• Found in 3 of 630 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 575
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Atraxa_3 (AX), Sputnik_3 (AX),

Start 63:
• Found in 40 of 630 (6.3%) of genes in pham
• Manual Annotations of this start: 39 of 575
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Arby_4 (AN), Azathoth_4 (AN), Blair_4 (AN), CGermain_4 (AN), Chestnut_4 (AN), Copper_4 (AN), Courtney3_4 (AN), Decurro_4 (AN), Dewayne_4 (AN), ElectricPheel_5 (AN), Elkhorn_4 (AN), Guntur_4 (AN), Hunnie_4 (AN), Inspire2_4 (AN), Jessica_5 (AN), KylieMac_5 (AN), Laila_5 (AN), Link_4 (AN), Lore_4 (AN), LouisXIV_4 (AN), Maggie_4 (AN), Mariposa_4 (AN), Massimo_4 (AN), Moloch_4 (AN), Muttlie_4 (AN), Penoan_4 (UNK), Prospero_4 (AN), Ronnie_4 (AN), Sandman_4 (AN), Saphira_4 (AN), Seume_4 (AN), Sourignavong_5 (AN), StewieGriff_4 (AN), Stratus_4 (AN), Swenson_4 (AN), Taj14_4 (AN), TinoCrisci_4 (AN), Toulouse_3 (AN), TymAbreu_4 (AN), Yank_4 (AN),

Start 64:
• Found in 1 of 630 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vinye_5 (AN),

Start 67:
• Found in 112 of 630 (17.8%) of genes in pham
• Manual Annotations of this start: 92 of 575
• Called 84.8% of time when present
• Phage (with cluster) where this start called: Alexphander_3 (F1), Aloeri_3 (F1), Asapag_3 (DN1), Avani_3 (F2), Awesomesauce_3 (F1), BENtherdunthat_3 (DN1), Beakin_3 (F1), Beanstalk_3 (F1), BigPhil_3 (F1), Blarby_4 (F), Bobi_3 (F1), BotCity_3 (DN), Brookers_3 (F1), Brushbloom_3 (F1), Budski_3 (DN), BuzzLyseyear_3 (F1), Cerasum_3 (F1), Che9d_3 (F2), CheeseTouch_3 (DN1), ChickenDinner_3 (F1), Coco12_3 (F1), Cornucopia_3 (F1), DaWorst_3 (F1), Demsculpinboyz_3 (F2), DirtMcgirt_3 (F1), DocMcStuffins_3 (F1), DosHalletts_3 (F1), Ecliptus_3 (DN), Emmaloid_3 (F1), Enby_3 (F1), Flathead_3 (F1), Frankie_3 (F1), Frickyeah_3 (DN1), Getalong_3 (DN1), Girafales_3 (F1), Hegedechwinu_3 (F1), Holliday_3 (DN1), Horus_3 (DN1), Jabbawokkie_4 (F2), JalFarm20_3 (F1), Job42_3 (F1), Kamaru_3 (DN1), Kenna_3 (DN1), Kimberlium_3 (F1), Kingsley_3 (F1), Leozinho_3 (F1), Leroy_3 (DN1), LitninMcQueen_3 (DN1), LordVader_3 (F), Lorde_3 (F1), Lucia_3 (F1), Lutum_3 (DN1), Madiba_3 (F1), Malisha_3 (DN), Marker_3 (F1), Misha28_3 (F1), Mova_3 (F1), Mozy_3 (F1), MulchExplorer_3 (F1), ODay_3 (DN), Ogopogo_4 (F1), Oksu_3 (F1), PensacolaC28_1 (singleton), Peridot_3 (F1), Periwinkle_3 (DN1), Phabuloso_3 (DN1), Phistory_3 (DN1), Piper2020_3 (F1), Plumbus_3 (F1), Pollywog_3 (F1), Quico_3 (F1), Ramsey_3 (F1), Rialto_3 (F1), RockyHorror_3 (F1), Sarma624_3 (F1), Seagreen_3 (F1), ShawBrad_3 (DN1), SilverChicken_3 (F2), SimranZ1_3 (F1), Slim_3 (F1), Soul22_3 (F2), Spikelee_3 (F1), Spooky_3 (DN2), Squiddly_4 (DN2), Squirty_3 (F3), Stap_3 (F1), Starcevich_3 (F1), Tchotchke_3 (F1), TootsiePop_3 (F1), Tootsieroll_3 (F1), Totinger_3 (F1), Velveteen_3 (F1), Whitney_3 (DN1), Yoshi_3 (F2), Zapner_4 (F2),

Start 69:
• Found in 155 of 630 (24.6%) of genes in pham
• Manual Annotations of this start: 12 of 575
• Called 8.4% of time when present
• Phage (with cluster) where this start called: Alatato_2 (FB), B22_3 (BW), BrayBeast_2 (FB), Doucette_3 (BW), E6_3 (BW), G4_3 (BW), Gibbzilla_2 (FB), Moosehead_2 (CZ6), OneDirection_2 (CZ6), Pinnie_3 (G3), REQ2_02 (singleton), TBond007_7 (K3), Yuna_8 (K6),

Start 70:

• Found in 1 of 630 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_2 (singleton),

Start 75:
• Found in 200 of 630 (31.7%) of genes in pham
• Manual Annotations of this start: 172 of 575
• Called 92.0% of time when present
• Phage (with cluster) where this start called: ActinUp_8 (K1), Adephagia_8 (K1), Adonis_8 (K1), Ageofdapage_8 (K1), AlishaPH_8 (K1), Amelie_4 (K1), Amgine_6 (K6), Aminay_6 (K7), Amohnition_7 (K6), Anaya_9 (K1), Angelica_8 (K1), Anma_8 (K1), Apocalypse_8 (K1), Applecrisp_6 (K6), Asayake_8 (K1), Atiba_8 (K1), BEEST_8 (K1), BGlluviae_8 (K1), BaghaKamala_8 (K1), BarrelRoll_8 (K1), Beezoo_8 (K1), Bella96_8 (K1), Belladonna_8 (K1), Bern_8 (K1), Biglebops_4 (K1), Blizzard_8 (K1), Boiiii_8 (K1), Boilgate_5 (K8), BoostSeason_4 (K2), Bryler_7 (K6), CREW_8 (K1), Cain_7 (K6), CallaLilly_8 (K1), Capricorn_8 (K1), CaseJules_8 (K1), Chancellor_9 (K4), Chavito_8 (K1), CheetoDust_8 (K1), Cheetobro_9 (K4), Chris_7 (K1), Clipper_8 (K1), CrimD_8 (K1), Curiosium_9 (K1), Dalmuri_8 (K1), DartGoblin_8 (K1), DarthP_7 (K6), Dartin_8 (K1), Deby_8 (K1), Devera_8 (K1), DismalFunk_4 (K2), DismalStressor_4 (K2), Dole_8 (K1), Doughnut_4 (K2), DrHayes_8 (K1), Durfee_8 (K1), Efra2_8 (K1), Ekdilam_5 (K6), Ellie_5 (K6), Emerson_8 (K1), Enkosi_4 (K1), Eponine_9 (K4), Fefferhead_7 (K6), Findley_4 (K2), Fionnbharth_9 (K4), Ganymede_8 (K1), Geraldini_8 (K1), Guanica15_8 (K1), Hammy_7 (K6), HedwigODU_8 (K1), Homura_8 (K1), Hurricane_7 (K3), Hyperbowlee_8 (K1), Illumine_8 (K1), Inky_8 (K1), JAWS_8 (K1), JF1_9 (K4), Jarvi_8 (K1), Jayhawk_8 (K1), Jeckyll_8 (K1), Joy99_8 (K1), Keshu_7 (K3), Kheparia_9 (K1), KiSi_7 (K1), Kraw_9 (K4), Krueger_7 (K6), LastHope_8 (K1), LaterM_8 (K1), Lavahound_6 (K6), LeMond_7 (K1), Lea83_7 (K3), Lebo14_9 (K4), LilPharaoh_4 (K1), LindNT_8 (K1), Llorens_8 (K1), Lokum_8 (K1), Lunahalos_8 (K1), MacKat_8 (K1), MacnCheese_8 (K3), Malthus_9 (K4), Marcoliusprime_4 (K2), MarkPhew_7 (K1), McMater_8 (K1), Mdavu_4 (K1), MeaningOfLife_8 (K1), Megsy_8 (K1), Milly_4 (K2), Mitti_9 (K4), MooMoo_2 (singleton), Mufasa_4 (K2), Murucutumbu_8 (K1), Mynx_8 (K1), Neroxid_2 (FQ2), Nibb_7 (K1), Nikao_4 (K1), Niklas_8 (K1), November_6 (K6), Nutello_4 (K1), Oscar_7 (K1), Padfoot_8 (K1), Padpat_8 (K1), Peanam_8 (K1), Peel_8 (K1), Pharb_7 (K3), PhelpsODU_7 (K6), Phrank_7 (K6), Piatt_8 (K1), Pisa1_7 (K1), Pisa4_7 (K1), Pixie_7 (K3), Pokerus_7 (K1), Prithvi_8 (K1), QuincyRose_7 (K1), Ramen_8 (K1), Rapunzel97_8 (K1), Raya_2 (FQ2), Richo_8 (K1), Rosmarinus_8 (K1), Ruthiejr_8 (K4), SamuelLPlaqson_8 (K1), Scarlett_7 (K1), SgtBeansprout_4 (K1), Shadow1_6 (K6), Shaobing_8 (K1), ShedlockHolmes_7 (K3), ShiaSurprise_8 (K1), SirPhilip_7 (K6), Skyerus_2 (FQ2), Slarp_9 (K4), Slimphazie_8 (K1), Spock_8 (K1), Stinson_8 (K1), Strobilo_4 (K2), Sulley_8 (K1), Sunflower1121_6 (K6), Syra333_7 (K6), TClif_7 (K6), TM4_4 (K2), Tachez_8 (K1), TaiwanKao_8 (K1), Taquito_7 (K4), Teejan_4 (K1), Tierra_7 (K6), Tigress9_7 (K6), TingHuaYa_8 (K1), TiniBug_8 (K1), Tiri_8 (K1), Topper_8 (K1), Torres_4 (K1), TreyKay_8 (K1), TribleTrouble_6 (K3), Trice_4 (K1), TruffulaTree_8 (K1), Twitch_8 (K1), Unicorn_7 (K6), Urkel_8 (K1), Validus_8 (K1), Veliki_8 (K1), Wintermute_9 (K4), Ximenita_8 (K6), YoureAdopted_7 (K1), Yunkel11_8 (K1), Zabiza_8 (K1), Zavala_8 (K1), ZoeJ_4 (K2),

Start 76:
• Found in 5 of 630 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 575

• Called 40.0% of time when present
• Phage (with cluster) where this start called: ArV2_02 (singleton), Spartoi_2 (singleton),

Start 78:
• Found in 6 of 630 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 575
• Called 83.3% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_2 (AJ), Kumotta_3 (FB), P3MA_3 (singleton), Rooter_2 (FB), Shoya_2 (FB),

Start 79:
• Found in 1 of 630 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MooKitty_3 (AX),

Start 80:
• Found in 57 of 630 (9.0%) of genes in pham
• Manual Annotations of this start: 40 of 575
• Called 91.2% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_2 (BU), ATCC29399BT_2 (BU), Aquarius_2 (BU), Attacne_2 (BU), BruceLethal_2 (BU), Cota_2 (BU), DrParker_2 (BU), Enochoraptor_2 (BU), Enoki_2 (BU), Keiki_2 (BU), Kubed_2 (BU), Lauchelly_2 (BU), Leviosa_2 (BU), LilBandit_2 (BU), MEAK_2 (BU), Moyashi_2 (BU), MrAK_2 (BU), Ouroboros_2 (BU), P1.1_2 (BU), P100.1_2 (BU), P100A_2 (BU), P100D_2 (BU), P101A_2 (BU), P104A_2 (BU), P105_2 (BU), P106A_2 (BU), P107A_2 (BU), P107C_2 (BU), P108C_2 (BU), P14.4_2 (BU), P9.1_2 (BU), PA6_2 (BU), PAD20_2 (BU), PAS50_2 (BU), PHL010M04_02 (BU), PHL037M02_02 (BU), PHL060L00_02 (BU), PHL067M10_02 (BU), PHL071N05_02 (BU), PHL111M01_02 (BU), PHL112N00_02 (BU), PHL113M01_02 (BU), PHL114L00_02 (BU), Pirate_2 (BU), Procrass1_2 (BU), QueenBey_2 (BU), Rileysaurus_2 (BU), SKKY_2 (BU), Solid_2 (BU), Stormborn_2 (BU), Supernova_2 (BU), Wizzo_2 (BU),

Start 81:
• Found in 27 of 630 (4.3%) of genes in pham
• Manual Annotations of this start: 25 of 575
• Called 96.3% of time when present
• Phage (with cluster) where this start called: Agent47_6 (K5), AlleyCat_6 (K5), BananenDer11_6 (K5), Collard_6 (K5), Dadosky_6 (K5), DoubleChamp_6 (K5), Edugator_5 (K5), Feyre_6 (K5), Gengar_6 (K5), Guillsminger_6 (K5), Heftyboy_6 (K5), InvictusManeo_6 (K5), Kratio_5 (K5), Larva_6 (K5), Leston_6 (K5), LilDirt_5 (K5), Miryou_6 (K5), OkiRoe_6 (K5), Omnicron_6 (K5), Paola_6 (K5), Psycho_6 (K5), Rando14_6 (K5), SoSeph_6 (K5), Thyatira_6 (K5), ViviJ_5 (K5), Waterfoul_6 (K5),

Start 83:
• Found in 79 of 630 (12.5%) of genes in pham
• Manual Annotations of this start: 46 of 575
• Called 60.8% of time when present
• Phage (with cluster) where this start called: AizenPogi_2 (G1), Angel_2 (G1), Annihilator_2 (G1), Aroostook_2 (G1), Avrafan_2 (G1), AzulaCat_2 (G1), BPs_2 (G1), BQuat_2 (G1), Barkley26_2 (G1), BruceB_2 (G1), Cambiare_3 (G2), CassieYates_2

(G1), Cedasite_2 (G1), Chance64_2 (G1), Cherrybomb426_2 (G1), Coleslaw_2 (G1), Crespo_2 (G1), ECartman_2 (G1), GoldenAsh_2 (G1), Gomashi_2 (G1), Grizzly_2 (G1), Halo_2 (G1), Hope_2 (G1), Hotshotbaby7_2 (G1), Jane_2 (G1), Jeilious_2 (G), Jolene_2 (G1), Jonghyun_2 (G1), JorRay_2 (G1), Kareem_2 (G1), Kasen3_2 (G1), Liefie_2 (G1), LouisV14_2 (G1), OctaviousRex_2 (G1), Olga_2 (G1), Peeb_2 (G1), Periodt_2 (G1), Phish_2 (G1), Phreak_2 (G1), Primanti_2 (G1), Rabbs_2 (G1), Rattrick_2 (G1), Renaissance_2 (G1), Richarlison_2 (G1), Sneeze_2 (G1), Taheera_2 (G1), Terror_2 (G1), ZoMa_2 (G1),

Start 84:
• Found in 2 of 630 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Adaia_3 (AX),

Start 85:
• Found in 75 of 630 (11.9%) of genes in pham
• Manual Annotations of this start: 4 of 575
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Maliketh_2 (G1), ShaboiShabazz_2 (G1), Sweets_2 (G1), TomBrady_2 (G1),

Start 86:
• Found in 8 of 630 (1.3%) of genes in pham
• Manual Annotations of this start: 4 of 575
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Bauer_4 (FN), BellaJr_4 (FN), BlackSpider_2 (FN), Cassini_2 (FN), Zucker_3 (FN),

Start 87:
• Found in 63 of 630 (10.0%) of genes in pham
• Manual Annotations of this start: 5 of 575
• Called 7.9% of time when present
• Phage (with cluster) where this start called: P104B_2 (BU), P106C_2 (BU), P106I_2 (BU), P106L_2 (BU), P106M_2 (BU),

Start 88:
• Found in 5 of 630 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Faith5x5_2 (CZ6),

Start 91:
• Found in 15 of 630 (2.4%) of genes in pham
• Manual Annotations of this start: 6 of 575
• Called 46.7% of time when present
• Phage (with cluster) where this start called: JeanClaude_2 (FB), MargaretKali_3 (FB), Marshawn_9 (K6), Morkie_2 (DH), PhorbesPhlower_2 (DH), Pitbull_2 (FQ1), Sarge_2 (FB),

Start 92:
• Found in 131 of 630 (20.8%) of genes in pham
• Manual Annotations of this start: 1 of 575

• Called 0.8% of time when present
• Phage (with cluster) where this start called: Lton_2 (CZ),

Start 93:
• Found in 13 of 630 (2.1%) of genes in pham
• Manual Annotations of this start: 6 of 575
• Called 46.2% of time when present
• Phage (with cluster) where this start called: Fryberger_34 (DP), Guey18_39 (DP), Keelan_32 (DP), Ronaldo_37 (DP), Volt_36 (DP), Ziko_37 (DP),

Start 94:
• Found in 4 of 630 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 575
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Piku_1 (FE),

Start 98:
• Found in 124 of 630 (19.7%) of genes in pham
• No Manual Annotations of this start.
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Neighly_6 (K3),

Start 103:
• Found in 231 of 630 (36.7%) of genes in pham
• Manual Annotations of this start: 2 of 575
• Called 1.3% of time when present
• Phage (with cluster) where this start called: Paito_2 (G1), Pigu_2 (FB), WST1_2 (AJ),

Start 111:
• Found in 3 of 630 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Raqqa_3 (AY),

Start 113:
• Found in 23 of 630 (3.7%) of genes in pham
• Manual Annotations of this start: 3 of 575
• Called 13.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_3 (AY), MrSmee_2 (FQ1), Skitty_2 (FQ1),

Start 114:
• Found in 316 of 630 (50.2%) of genes in pham
• Manual Annotations of this start: 15 of 575
• Called 6.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_9 (K4), Boomer_3 (F1), DanSyl44_9 (K4), Drago_3 (F1), Juice456_3 (F1), Juliette_9 (K4), LittleShirley_3 (F1), MissDaisy_9 (K4), Nolwazi_9 (K4), OmniCritical_9 (K4), OwlsT2W_3 (F1), Patt_9 (K4), Qhanda_9 (K4), Reptar3000_9 (K4), SamScheppers_7 (K4), UncleRicky_3 (F1), Y10_09 (K4), Y2_09 (K4), YasnayaPolyana_9 (K4),

Start 115:

• Found in 257 of 630 (40.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Doomslug_3 (F),

Start 172:
• Found in 411 of 630 (65.2%) of genes in pham
• No Manual Annotations of this start.
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Merpity_3 (FQ1),

Summary by clusters:

There are 41 clusters represented in this pham: DN, singleton, DH, CZ6, K3, BU, K1, BW, K7, K6, K5, K4, K8, DP, JC, G5, G4, G3, G2, G1, DN1, FN, DN2, G, F, AJ, O, AN, CZ, AY, AX, UNK, GH, F1, F2, F3, K2, FB, FQ2, FQ1, FE,

Info for manual annotations of cluster AJ:
•Start number 78 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster AN:
•Start number 28 was manually annotated 1 time for cluster AN.
•Start number 48 was manually annotated 1 time for cluster AN.
•Start number 57 was manually annotated 4 times for cluster AN.
•Start number 63 was manually annotated 39 times for cluster AN.
•Start number 64 was manually annotated 1 time for cluster AN.

Info for manual annotations of cluster AX:
•Start number 60 was manually annotated 2 times for cluster AX.
•Start number 79 was manually annotated 1 time for cluster AX.
•Start number 84 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster AY:
•Start number 113 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BU:
•Start number 80 was manually annotated 40 times for cluster BU.
•Start number 87 was manually annotated 5 times for cluster BU.

Info for manual annotations of cluster BW:
•Start number 69 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CZ:
•Start number 92 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ6:
•Start number 69 was manually annotated 2 times for cluster CZ6.
•Start number 88 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DH:
•Start number 54 was manually annotated 1 time for cluster DH.
•Start number 91 was manually annotated 2 times for cluster DH.

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

Info for manual annotations of cluster DN1:
•Start number 67 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 67 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:
•Start number 93 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster F:
•Start number 67 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 67 was manually annotated 59 times for cluster F1.
•Start number 114 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 67 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 67 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FB:
•Start number 69 was manually annotated 3 times for cluster FB.
•Start number 78 was manually annotated 3 times for cluster FB.
•Start number 91 was manually annotated 2 times for cluster FB.
•Start number 103 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FE:
•Start number 16 was manually annotated 8 times for cluster FE.
•Start number 18 was manually annotated 1 time for cluster FE.
•Start number 42 was manually annotated 1 time for cluster FE.
•Start number 45 was manually annotated 3 times for cluster FE.
•Start number 94 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FN:
•Start number 86 was manually annotated 4 times for cluster FN.

Info for manual annotations of cluster FQ1:
•Start number 91 was manually annotated 1 time for cluster FQ1.
•Start number 113 was manually annotated 2 times for cluster FQ1.

Info for manual annotations of cluster G:
•Start number 24 was manually annotated 1 time for cluster G.
•Start number 83 was manually annotated 1 time for cluster G.

Info for manual annotations of cluster G1:
•Start number 24 was manually annotated 21 times for cluster G1.
•Start number 83 was manually annotated 44 times for cluster G1.

•Start number 85 was manually annotated 4 times for cluster G1.
•Start number 103 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:
•Start number 8 was manually annotated 1 time for cluster G2.
•Start number 24 was manually annotated 2 times for cluster G2.
•Start number 83 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 24 was manually annotated 2 times for cluster G3.
•Start number 69 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:
•Start number 24 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 24 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster GH:
•Start number 48 was manually annotated 1 time for cluster GH.
•Start number 51 was manually annotated 2 times for cluster GH.

Info for manual annotations of cluster JC:
•Start number 30 was manually annotated 1 time for cluster JC.

Info for manual annotations of cluster K1:
•Start number 75 was manually annotated 113 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 75 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 69 was manually annotated 1 time for cluster K3.
•Start number 75 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 75 was manually annotated 13 times for cluster K4.
•Start number 114 was manually annotated 9 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 81 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 69 was manually annotated 1 time for cluster K6.
•Start number 75 was manually annotated 24 times for cluster K6.
•Start number 91 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 75 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 75 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster O:
•Start number 23 was manually annotated 17 times for cluster O.
•Start number 25 was manually annotated 15 times for cluster O.

Gene Information:

Gene: ATCC29399BC_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for ATCC29399BC_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: ATCC29399BT_2 Start: 385, Stop: 1896, Start Num: 80
Candidate Starts for ATCC29399BT_2:
(Start: 80 @385 has 40 MA's), (98, 442), (107, 469), (115, 487), (121, 514), (122, 517), (136, 565), (139, 574), (141, 580), (149, 619), (151, 625), (162, 658), (165, 676), (170, 700), (172, 706), (187, 745), (189, 754), (191, 757), (201, 796), (202, 799), (214, 868), (220, 913), (221, 916), (223, 937), (226, 952), (228, 961), (230, 973), (241, 1012), (244, 1033), (249, 1048), (250, 1051), (252, 1054), (259, 1075), (277, 1141), (303, 1213), (309, 1234), (321, 1294), (323, 1300), (338, 1342), (349, 1363), (363, 1405), (394, 1483), (398, 1492), (406, 1504), (409, 1510), (421, 1537), (433, 1558), (434, 1561), (441, 1576), (457, 1606), (459, 1609), (468, 1633), (481, 1654), (490, 1678), (506, 1711), (507, 1714), (513, 1726), (520, 1738), (543, 1804), (546, 1813), (550, 1819), (553, 1828), (575, 1882), (577, 1888),

Gene: AbbyDaisy_3 Start: 789, Stop: 2126, Start Num: 113
Candidate Starts for AbbyDaisy_3:
(71, 669), (111, 786), (Start: 113 @789 has 3 MA's), (127, 837), (139, 882), (158, 966), (161, 972), (172, 1023), (177, 1032), (226, 1218), (228, 1227), (229, 1230), (240, 1269), (241, 1272), (259, 1335), (291, 1410), (306, 1467), (358, 1638), (363, 1653), (387, 1713), (392, 1722), (402, 1743), (442, 1821), (445, 1830), (467, 1875), (474, 1887), (483, 1902), (494, 1932), (504, 1953), (546, 2058),

Gene: ActinUp_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for ActinUp_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Adaia_3 Start: 651, Stop: 2057, Start Num: 84
Candidate Starts for Adaia_3:
(Start: 84 @651 has 1 MA's), (95, 693), (Start: 114 @744 has 15 MA's), (118, 759), (141, 843), (146, 879), (149, 888), (150, 891), (155, 909), (199, 1017), (208, 1056), (220, 1128), (221, 1131), (228, 1176), (235, 1209), (242, 1233), (243, 1242), (253, 1266), (316, 1473), (330, 1533), (374, 1650), (437, 1797), (456, 1836), (458, 1839), (491, 1893), (507, 1917), (524, 1929), (539, 1974), (564, 2043),

Gene: Adephagia_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Adephagia_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Adonis_8 Start: 1604, Stop: 3025, Start Num: 75
Candidate Starts for Adonis_8:
(31, 1532), (Start: 69 @1592 has 12 MA's), (Start: 75 @1604 has 172 MA's), (Start: 114 @1715 has 15 MA's), (115, 1721), (136, 1799), (139, 1808), (150, 1856), (155, 1874), (172, 1943), (196, 1985), (200, 1991), (206, 2018), (207, 2021), (226, 2138), (228, 2147), (250, 2228), (294, 2342), (306, 2390), (309, 2402), (315, 2432), (319, 2456), (323, 2468), (355, 2546), (357, 2552), (425, 2696), (442, 2729), (467, 2783), (546, 2960), (576, 3014),

Gene: Agent47_6 Start: 1331, Stop: 2758, Start Num: 81
Candidate Starts for Agent47_6:
(Start: 81 @1331 has 25 MA's), (98, 1388), (Start: 103 @1409 has 2 MA's), (Start: 114 @1433 has 15 MA's), (136, 1517), (139, 1526), (141, 1532), (150, 1574), (155, 1592), (161, 1610), (172, 1661), (195, 1700), (206, 1736), (219, 1814), (226, 1856), (228, 1865), (229, 1868), (250, 1946), (294, 2060), (306, 2108), (309, 2120), (315, 2150), (323, 2186), (328, 2213), (357, 2270), (389, 2354), (400, 2378), (440, 2456), (467, 2513), (482, 2537), (494, 2561), (546, 2690), (576, 2747),

Gene: Ageofdapage_8 Start: 1536, Stop: 2957, Start Num: 75
Candidate Starts for Ageofdapage_8:
(31, 1464), (Start: 69 @1524 has 12 MA's), (Start: 75 @1536 has 172 MA's), (Start: 114 @1647 has 15 MA's), (115, 1653), (136, 1731), (139, 1740), (150, 1788), (155, 1806), (161, 1824), (172, 1875), (196, 1917), (200, 1923), (206, 1950), (207, 1953), (219, 2028), (226, 2070), (228, 2079), (250, 2160), (294, 2274), (306, 2322), (309, 2334), (315, 2364), (319, 2388), (323, 2400), (326, 2415), (357, 2484), (425, 2628), (442, 2661), (467, 2715), (546, 2892), (576, 2946),

Gene: AizenPogi_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for AizenPogi_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Alatato_2 Start: 316, Stop: 1767, Start Num: 69
Candidate Starts for Alatato_2:
(Start: 69 @316 has 12 MA's), (Start: 91 @376 has 6 MA's), (98, 397), (139, 532), (165, 643), (200, 721), (212, 775), (221, 832), (226, 868), (228, 877), (259, 985), (269, 1009), (303, 1111), (306, 1120), (315, 1165), (321, 1192), (349, 1252), (357, 1273), (367, 1303), (374, 1330), (402, 1372), (403, 1375), (413, 1393), (420, 1411), (423, 1417), (506, 1579), (520, 1603), (549, 1681), (566, 1720), (576, 1756),

Gene: Alexphander_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Alexphander_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436),

(291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: AlishaPH_8 Start: 1592, Stop: 3016, Start Num: 75
Candidate Starts for AlishaPH_8:
(31, 1520), (Start: 69 @1580 has 12 MA's), (Start: 75 @1592 has 172 MA's), (Start: 114 @1703 has 15 MA's), (115, 1709), (136, 1787), (139, 1796), (150, 1844), (155, 1862), (172, 1931), (196, 1973), (200, 1979), (206, 2006), (207, 2009), (226, 2126), (228, 2135), (250, 2216), (294, 2330), (306, 2378), (309, 2390), (315, 2420), (319, 2444), (323, 2456), (355, 2534), (357, 2540), (425, 2687), (442, 2720), (467, 2774), (546, 2951), (576, 3005),

Gene: Alkhayr_31 Start: 13437, Stop: 14951, Start Num: 23
Candidate Starts for Alkhayr_31:
(Start: 23 @13437 has 17 MA's), (Start: 25 @13440 has 15 MA's), (Start: 103 @13620 has 2 MA's), (134, 13713), (149, 13788), (158, 13821), (165, 13848), (172, 13878), (219, 14031), (221, 14037), (226, 14073), (228, 14082), (250, 14163), (255, 14172), (256, 14175), (269, 14214), (292, 14271), (301, 14307), (302, 14310), (354, 14466), (357, 14475), (383, 14544), (389, 14553), (392, 14559), (408, 14592), (425, 14628), (467, 14715), (480, 14736), (513, 14799), (514, 14802), (517, 14805), (524, 14823), (530, 14844), (544, 14886), (564, 14919), (566, 14922), (573, 14934),

Gene: AlleyCat_6 Start: 1349, Stop: 2776, Start Num: 81
Candidate Starts for AlleyCat_6:
(Start: 81 @1349 has 25 MA's), (98, 1406), (Start: 103 @1427 has 2 MA's), (Start: 114 @1451 has 15 MA's), (136, 1535), (139, 1544), (141, 1550), (149, 1589), (150, 1592), (155, 1610), (161, 1628), (172, 1679), (195, 1718), (206, 1754), (212, 1781), (219, 1832), (226, 1874), (228, 1883), (229, 1886), (250, 1964), (294, 2078), (306, 2126), (309, 2138), (315, 2168), (323, 2204), (328, 2231), (357, 2288), (389, 2372), (400, 2396), (440, 2474), (467, 2531), (482, 2555), (494, 2579), (546, 2708), (576, 2765),

Gene: Aloeri_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for Aloeri_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Amelie_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Amelie_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: Amgine_6 Start: 1181, Stop: 2605, Start Num: 75
Candidate Starts for Amgine_6:
(26, 1097), (Start: 69 @1169 has 12 MA's), (Start: 75 @1181 has 172 MA's), (Start: 103 @1268 has 2 MA's), (Start: 114 @1292 has 15 MA's), (136, 1376), (139, 1385), (150, 1433), (155, 1451), (161, 1469), (162, 1472), (172, 1520), (206, 1595), (207, 1598), (226, 1715), (228, 1724), (229, 1727), (237,

1757), (250, 1805), (294, 1919), (306, 1967), (309, 1979), (315, 2009), (319, 2033), (324, 2048), (326, 2060), (357, 2129), (370, 2171), (389, 2201), (425, 2273), (442, 2306), (445, 2315), (467, 2360), (576, 2594), (578, 2600),

Gene: Aminay_6 Start: 1302, Stop: 2744, Start Num: 75
Candidate Starts for Aminay_6:
(Start: 75 @1302 has 172 MA's), (110, 1401), (Start: 114 @1407 has 15 MA's), (136, 1491), (139, 1500), (150, 1548), (172, 1635), (177, 1644), (181, 1653), (200, 1683), (219, 1788), (228, 1839), (229, 1842), (239, 1878), (250, 1920), (255, 1929), (294, 2034), (306, 2082), (309, 2094), (315, 2124), (319, 2148), (324, 2163), (357, 2247), (369, 2289), (389, 2331), (423, 2400), (432, 2415), (457, 2466), (467, 2490), (544, 2661), (550, 2673), (576, 2733),

Gene: Amohnition_7 Start: 1387, Stop: 2811, Start Num: 75
Candidate Starts for Amohnition_7:
(Start: 69 @1375 has 12 MA's), (Start: 75 @1387 has 172 MA's), (Start: 103 @1474 has 2 MA's), (Start: 114 @1498 has 15 MA's), (136, 1582), (139, 1591), (150, 1639), (155, 1657), (161, 1675), (172, 1726), (200, 1774), (226, 1921), (228, 1930), (229, 1933), (237, 1963), (250, 2011), (294, 2125), (309, 2185), (315, 2215), (326, 2266), (333, 2287), (357, 2335), (370, 2377), (389, 2407), (425, 2479), (467, 2566), (546, 2743), (576, 2800), (578, 2806),

Gene: Anaya_9 Start: 1616, Stop: 3037, Start Num: 75
Candidate Starts for Anaya_9:
(31, 1544), (Start: 69 @1604 has 12 MA's), (Start: 75 @1616 has 172 MA's), (Start: 114 @1727 has 15 MA's), (115, 1733), (136, 1811), (139, 1820), (141, 1826), (150, 1868), (155, 1886), (172, 1955), (196, 1997), (200, 2003), (206, 2030), (226, 2150), (228, 2159), (250, 2240), (257, 2258), (294, 2354), (306, 2402), (309, 2414), (315, 2444), (319, 2468), (323, 2480), (326, 2495), (355, 2558), (357, 2564), (425, 2708), (442, 2741), (467, 2795), (546, 2972), (576, 3026),

Gene: Angel_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Angel_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Angelica_8 Start: 1575, Stop: 2996, Start Num: 75
Candidate Starts for Angelica_8:
(31, 1503), (Start: 69 @1563 has 12 MA's), (Start: 75 @1575 has 172 MA's), (Start: 114 @1686 has 15 MA's), (115, 1692), (136, 1770), (139, 1779), (150, 1827), (155, 1845), (172, 1914), (196, 1956), (200, 1962), (226, 2109), (228, 2118), (257, 2217), (294, 2313), (306, 2361), (309, 2373), (315, 2403), (319, 2427), (323, 2439), (326, 2454), (357, 2523), (425, 2667), (467, 2754), (546, 2931), (576, 2985),

Gene: Anma_8 Start: 1566, Stop: 2987, Start Num: 75
Candidate Starts for Anma_8:
(31, 1494), (47, 1533), (Start: 69 @1554 has 12 MA's), (Start: 75 @1566 has 172 MA's), (Start: 114 @1677 has 15 MA's), (115, 1683), (136, 1761), (139, 1770), (150, 1818), (155, 1836), (172, 1905), (196, 1947), (200, 1953), (206, 1980), (207, 1983), (212, 2007), (226, 2100), (228, 2109), (250, 2190), (257, 2208), (294, 2304), (306, 2352), (309, 2364), (315, 2394), (319, 2418), (323, 2430), (355, 2508), (357, 2514), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: Annihilator_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Annihilator_2:

(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Antsirabe_2 Start: 354, Stop: 1925, Start Num: 24
Candidate Starts for Antsirabe_2:
(Start: 24 @354 has 31 MA's), (98, 525), (150, 708), (161, 744), (177, 804), (218, 957), (219, 963), (221, 969), (226, 1005), (230, 1026), (240, 1056), (250, 1095), (255, 1104), (306, 1257), (312, 1287), (324, 1335), (357, 1413), (365, 1437), (425, 1563), (452, 1620), (460, 1632), (467, 1650), (506, 1722), (513, 1737), (546, 1830), (570, 1893), (576, 1914),

Gene: Apocalypse_8 Start: 1571, Stop: 2992, Start Num: 75
Candidate Starts for Apocalypse_8:
(31, 1499), (Start: 69 @1559 has 12 MA's), (Start: 75 @1571 has 172 MA's), (Start: 114 @1682 has 15 MA's), (115, 1688), (136, 1766), (139, 1775), (150, 1823), (155, 1841), (172, 1910), (196, 1952), (200, 1958), (206, 1985), (207, 1988), (226, 2105), (228, 2114), (250, 2195), (294, 2309), (306, 2357), (309, 2369), (315, 2399), (323, 2435), (355, 2513), (357, 2519), (425, 2663), (442, 2696), (467, 2750), (546, 2927), (576, 2981),

Gene: Applecrisp_6 Start: 1540, Stop: 2964, Start Num: 75
Candidate Starts for Applecrisp_6:
(26, 1456), (Start: 69 @1528 has 12 MA's), (Start: 75 @1540 has 172 MA's), (Start: 103 @1627 has 2 MA's), (Start: 114 @1651 has 15 MA's), (136, 1735), (139, 1744), (150, 1792), (155, 1810), (161, 1828), (172, 1879), (206, 1954), (207, 1957), (226, 2074), (228, 2083), (229, 2086), (237, 2116), (250, 2164), (294, 2278), (306, 2326), (309, 2338), (315, 2368), (319, 2392), (324, 2407), (326, 2419), (357, 2488), (370, 2530), (389, 2560), (425, 2632), (442, 2665), (445, 2674), (467, 2719), (546, 2896), (576, 2953), (578, 2959),

Gene: Aquarius_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Aquarius_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (249, 1041), (250, 1044), (252, 1047), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (346, 1350), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: ArV2_02 Start: 349, Stop: 1803, Start Num: 76
Candidate Starts for ArV2_02:
(Start: 76 @349 has 1 MA's), (Start: 91 @394 has 6 MA's), (98, 415), (Start: 103 @436 has 2 MA's), (Start: 113 @457 has 3 MA's), (134, 526), (136, 541), (139, 550), (145, 589), (158, 634), (172, 691), (177, 700), (186, 718), (211, 790), (212, 793), (228, 895), (240, 937), (250, 976), (303, 1129), (304, 1132), (306, 1138), (315, 1180), (318, 1198), (351, 1297), (364, 1336), (374, 1366), (403, 1411), (425, 1453), (455, 1513), (457, 1516), (476, 1555), (544, 1711),

Gene: Arby_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Arby_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221,

1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Arielagos_2 Start: 424, Stop: 1926, Start Num: 57
Candidate Starts for Arielagos_2:
(Start: 28 @361 has 1 MA's), (Start: 48 @412 has 2 MA's), (Start: 57 @424 has 4 MA's), (65, 448), (82, 472), (118, 583), (123, 610), (143, 673), (146, 703), (149, 712), (154, 730), (199, 841), (206, 874), (221, 955), (229, 1003), (247, 1084), (296, 1219), (303, 1246), (316, 1297), (324, 1330), (393, 1513), (435, 1606), (452, 1645), (457, 1651), (462, 1660), (482, 1699), (524, 1783), (526, 1798), (548, 1858), (559, 1888),

Gene: Aroostook_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Aroostook_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Asapag_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Asapag_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (321, 1603), (343, 1657), (390, 1759), (403, 1786), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (552, 2101), (556, 2113),

Gene: Asayake_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Asayake_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Ashwin_32 Start: 13447, Stop: 14961, Start Num: 23
Candidate Starts for Ashwin_32:
(Start: 23 @13447 has 17 MA's), (Start: 25 @13450 has 15 MA's), (Start: 103 @13630 has 2 MA's), (134, 13723), (149, 13798), (158, 13831), (165, 13858), (172, 13888), (219, 14041), (221, 14047), (226, 14083), (228, 14092), (250, 14173), (255, 14182), (256, 14185), (292, 14281), (301, 14317), (302, 14320), (354, 14476), (357, 14485), (383, 14554), (389, 14563), (392, 14569), (408, 14602), (425, 14638), (467, 14725), (480, 14746), (513, 14809), (514, 14812), (517, 14815), (524, 14833), (530, 14854), (544, 14896), (564, 14929), (566, 14932), (573, 14944),

Gene: Atiba_8 Start: 1556, Stop: 2980, Start Num: 75
Candidate Starts for Atiba_8:
(31, 1484), (Start: 69 @1544 has 12 MA's), (Start: 75 @1556 has 172 MA's), (Start: 114 @1667 has 15 MA's), (115, 1673), (136, 1751), (139, 1760), (150, 1808), (155, 1826), (172, 1895), (196, 1937), (200, 1943), (206, 1970), (207, 1973), (226, 2090), (228, 2099), (250, 2180), (294, 2294), (306, 2342), (309, 2354), (315, 2384), (319, 2408), (323, 2420), (355, 2498), (357, 2504), (425, 2651), (442, 2684), (467, 2738), (546, 2915), (576, 2969),

Gene: Atraxa_3 Start: 604, Stop: 2115, Start Num: 60
Candidate Starts for Atraxa_3:
(35, 562), (Start: 60 @604 has 2 MA's), (118, 763), (132, 808), (141, 847), (143, 853), (146, 883), (150, 895), (155, 913), (194, 1009), (216, 1108), (220, 1132), (221, 1135), (229, 1183), (235, 1213), (239, 1228), (242, 1237), (243, 1246), (253, 1270), (303, 1426), (305, 1429), (316, 1477), (330, 1537), (333, 1546), (348, 1573), (366, 1624), (397, 1711), (408, 1729), (435, 1801), (456, 1843), (458, 1846), (472, 1876), (489, 1909), (491, 1912), (500, 1930),

Gene: Attacne_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for Attacne_2:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (211, 847), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (256, 1048), (259, 1063), (277, 1129), (287, 1150), (297, 1174), (300, 1186), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (506, 1699), (507, 1702), (513, 1714), (543, 1792), (546, 1801), (550, 1807), (553, 1816), (575, 1870), (577, 1876),

Gene: Avani_3 Start: 663, Stop: 2183, Start Num: 67
Candidate Starts for Avani_3:
(52, 651), (Start: 67 @663 has 92 MA's), (Start: 114 @789 has 15 MA's), (116, 798), (130, 843), (136, 873), (137, 876), (139, 882), (147, 927), (154, 951), (161, 972), (169, 1014), (178, 1035), (193, 1062), (201, 1080), (203, 1083), (206, 1107), (212, 1134), (221, 1191), (226, 1227), (228, 1236), (230, 1248), (231, 1254), (237, 1269), (241, 1281), (246, 1308), (248, 1314), (251, 1320), (260, 1356), (261, 1365), (271, 1395), (281, 1425), (282, 1428), (307, 1524), (309, 1533), (314, 1560), (340, 1644), (349, 1659), (397, 1770), (403, 1779), (408, 1788), (440, 1851), (477, 1926), (484, 1938), (494, 1956), (513, 1992), (530, 2034), (533, 2040), (546, 2082), (552, 2094), (556, 2106), (580, 2172),

Gene: Avocado_2 Start: 352, Stop: 1935, Start Num: 8
Candidate Starts for Avocado_2:
(Start: 8 @352 has 1 MA's), (Start: 54 @436 has 1 MA's), (138, 652), (150, 703), (161, 739), (177, 799), (221, 964), (226, 1000), (230, 1021), (240, 1051), (250, 1090), (306, 1252), (319, 1315), (324, 1330), (336, 1375), (339, 1378), (357, 1426), (365, 1450), (403, 1525), (425, 1576), (440, 1606), (442, 1609), (445, 1618), (452, 1633), (457, 1639), (460, 1645), (480, 1684), (506, 1735), (513, 1750), (544, 1837), (546, 1843), (576, 1924), (578, 1930),

Gene: Avrafan_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Avrafan_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Awesomesauce_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for Awesomesauce_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (221, 1202), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475),

(307, 1535), (309, 1544), (314, 1571), (335, 1649), (355, 1682), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Azathoth_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Azathoth_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: AzulaCat_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for AzulaCat_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: B22_3 Start: 956, Stop: 2410, Start Num: 69
Candidate Starts for B22_3:
(Start: 69 @956 has 12 MA's), (71, 959), (Start: 103 @1058 has 2 MA's), (115, 1085), (121, 1112), (123, 1121), (136, 1163), (141, 1178), (148, 1220), (161, 1262), (177, 1322), (194, 1349), (218, 1460), (228, 1517), (231, 1535), (237, 1550), (241, 1562), (259, 1625), (306, 1760), (307, 1763), (308, 1769), (315, 1802), (368, 1952), (408, 2036), (410, 2039), (414, 2045), (452, 2126), (461, 2138), (473, 2165), (575, 2396),

Gene: BEEST_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for BEEST_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: BENtherdunthat_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for BENtherdunthat_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (321, 1603), (343, 1657), (390, 1759), (403, 1786), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (552, 2101), (556, 2113),

Gene: BGlluviae_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for BGlluviae_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: BPs_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for BPs_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: BQuat_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for BQuat_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: BaghaKamala_8 Start: 1563, Stop: 2987, Start Num: 75
Candidate Starts for BaghaKamala_8:
(31, 1491), (Start: 69 @1551 has 12 MA's), (Start: 75 @1563 has 172 MA's), (Start: 114 @1674 has 15 MA's), (115, 1680), (136, 1758), (139, 1767), (150, 1815), (155, 1833), (172, 1902), (196, 1944), (200, 1950), (206, 1977), (207, 1980), (226, 2097), (228, 2106), (250, 2187), (294, 2301), (306, 2349), (309, 2361), (315, 2391), (319, 2415), (323, 2427), (326, 2442), (355, 2505), (357, 2511), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: BananenDer11_6 Start: 1324, Stop: 2751, Start Num: 81
Candidate Starts for BananenDer11_6:
(Start: 81 @1324 has 25 MA's), (98, 1381), (Start: 103 @1402 has 2 MA's), (Start: 114 @1426 has 15 MA's), (136, 1510), (139, 1519), (141, 1525), (150, 1567), (155, 1585), (161, 1603), (172, 1654), (180, 1669), (206, 1729), (219, 1807), (226, 1849), (228, 1858), (229, 1861), (250, 1939), (294, 2053), (306, 2101), (315, 2143), (319, 2167), (323, 2179), (328, 2206), (353, 2251), (357, 2263), (420, 2410), (440, 2449), (467, 2506), (482, 2530), (494, 2554), (506, 2578), (544, 2677), (546, 2683), (576, 2740),

Gene: Barkley26_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Barkley26_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: BarrelRoll_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for BarrelRoll_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Bauer_4 Start: 1485, Stop: 2990, Start Num: 86
Candidate Starts for Bauer_4:
(Start: 86 @1485 has 4 MA's), (126, 1629), (141, 1680), (153, 1731), (198, 1869), (207, 1911), (209, 1929), (237, 2073), (241, 2085), (253, 2130), (256, 2136), (275, 2214), (283, 2235), (317, 2364), (354, 2466), (356, 2472), (362, 2493), (378, 2544), (425, 2631), (453, 2691), (477, 2739), (490, 2772), (546,

2904),

Gene: Beakin_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Beakin_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Beanstalk_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Beanstalk_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Beezoo_8 Start: 1616, Stop: 3037, Start Num: 75
Candidate Starts for Beezoo_8:
(31, 1544), (Start: 69 @1604 has 12 MA's), (Start: 75 @1616 has 172 MA's), (Start: 114 @1727 has 15 MA's), (115, 1733), (136, 1811), (139, 1820), (150, 1868), (155, 1886), (172, 1955), (196, 1997), (200, 2003), (206, 2030), (207, 2033), (226, 2150), (228, 2159), (294, 2354), (306, 2402), (309, 2414), (315, 2444), (319, 2468), (323, 2480), (355, 2558), (357, 2564), (425, 2708), (442, 2741), (467, 2795), (546, 2972), (576, 3026),

Gene: Bella96_8 Start: 1545, Stop: 2966, Start Num: 75
Candidate Starts for Bella96_8:
(31, 1473), (47, 1512), (Start: 69 @1533 has 12 MA's), (Start: 75 @1545 has 172 MA's), (Start: 114 @1656 has 15 MA's), (115, 1662), (136, 1740), (139, 1749), (150, 1797), (155, 1815), (172, 1884), (196, 1926), (200, 1932), (206, 1959), (226, 2079), (228, 2088), (250, 2169), (257, 2187), (294, 2283), (306, 2331), (309, 2343), (315, 2373), (319, 2397), (323, 2409), (355, 2487), (357, 2493), (425, 2637), (442, 2670), (467, 2724), (546, 2901), (576, 2955),

Gene: BellaJr_4 Start: 1496, Stop: 3001, Start Num: 86
Candidate Starts for BellaJr_4:
(Start: 86 @1496 has 4 MA's), (126, 1640), (153, 1742), (155, 1748), (165, 1787), (174, 1820), (198, 1880), (208, 1925), (209, 1940), (221, 2000), (237, 2084), (241, 2096), (244, 2117), (253, 2141), (256, 2147), (259, 2162), (275, 2225), (283, 2246), (317, 2375), (356, 2483), (362, 2504), (378, 2555), (425, 2642), (453, 2702), (477, 2750), (490, 2783), (513, 2831), (546, 2915),

Gene: Belladonna_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Belladonna_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Berka_4 Start: 780, Stop: 2345, Start Num: 18
Candidate Starts for Berka_4:
(Start: 18 @780 has 1 MA's), (29, 798), (49, 840), (72, 885), (Start: 88 @909 has 1 MA's), (90, 921), (112, 987), (115, 996), (123, 1032), (141, 1083), (146, 1119), (161, 1167), (171, 1212), (173, 1218), (175, 1221), (229, 1428), (232, 1446), (233, 1449), (267, 1566), (309, 1701), (312, 1719), (331, 1797), (350, 1836), (355, 1848), (365, 1875), (367, 1881), (380, 1923), (397, 1965), (403, 1974), (475, 2133), (514, 2205), (525, 2235), (537, 2268), (539, 2271), (555, 2322),

Gene: Bern_8 Start: 1583, Stop: 3004, Start Num: 75
Candidate Starts for Bern_8:
(31, 1511), (Start: 69 @1571 has 12 MA's), (Start: 75 @1583 has 172 MA's), (Start: 114 @1694 has 15 MA's), (115, 1700), (136, 1778), (139, 1787), (150, 1835), (155, 1853), (172, 1922), (196, 1964), (200, 1970), (206, 1997), (207, 2000), (226, 2117), (228, 2126), (250, 2207), (294, 2321), (306, 2369), (309, 2381), (315, 2411), (319, 2435), (323, 2447), (357, 2531), (425, 2675), (442, 2708), (467, 2762), (546, 2939), (576, 2993),

Gene: BigBoyz_1 Start: 31, Stop: 1653, Start Num: 48
Candidate Starts for BigBoyz_1:
(Start: 48 @31 has 2 MA's), (106, 169), (128, 238), (131, 247), (138, 280), (149, 334), (150, 337), (161, 373), (163, 385), (186, 451), (215, 565), (224, 622), (228, 640), (233, 664), (264, 766), (270, 811), (274, 829), (288, 865), (309, 946), (322, 1009), (353, 1090), (373, 1150), (391, 1192), (418, 1264), (424, 1276), (435, 1297), (463, 1360), (472, 1375), (493, 1414), (510, 1447), (511, 1450), (514, 1453),

Gene: BigPhil_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for BigPhil_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Biglebops_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Biglebops_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: BlackSpider_2 Start: 495, Stop: 2000, Start Num: 86
Candidate Starts for BlackSpider_2:
(Start: 86 @495 has 4 MA's), (121, 624), (126, 639), (153, 741), (198, 879), (207, 921), (209, 939), (237, 1083), (241, 1095), (253, 1140), (256, 1146), (275, 1224), (283, 1245), (317, 1374), (354, 1476), (356, 1482), (378, 1554), (453, 1701), (477, 1749), (479, 1752), (490, 1782), (513, 1830),

Gene: Blair_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Blair_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296,

1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: Blarby_4 Start: 1188, Stop: 2708, Start Num: 67
Candidate Starts for Blarby_4:
(52, 1176), (Start: 67 @1188 has 92 MA's), (Start: 114 @1314 has 15 MA's), (116, 1323), (130, 1368), (136, 1398), (137, 1401), (139, 1407), (147, 1452), (154, 1476), (161, 1497), (169, 1539), (178, 1560), (193, 1587), (201, 1605), (203, 1608), (206, 1632), (212, 1659), (221, 1716), (226, 1752), (228, 1761), (230, 1773), (231, 1779), (237, 1794), (241, 1806), (248, 1839), (251, 1845), (260, 1881), (261, 1890), (271, 1920), (281, 1950), (282, 1953), (307, 2049), (309, 2058), (314, 2085), (340, 2169), (349, 2184), (397, 2295), (403, 2304), (408, 2313), (440, 2376), (477, 2451), (484, 2463), (494, 2481), (513, 2517), (530, 2559), (533, 2565), (546, 2607), (552, 2619), (556, 2631), (580, 2697),

Gene: Blessica_31 Start: 13473, Stop: 14984, Start Num: 25
Candidate Starts for Blessica_31:
(Start: 23 @13470 has 17 MA's), (Start: 25 @13473 has 15 MA's), (Start: 103 @13653 has 2 MA's), (134, 13746), (149, 13821), (158, 13854), (165, 13881), (172, 13911), (219, 14064), (221, 14070), (226, 14106), (228, 14115), (250, 14196), (255, 14205), (256, 14208), (269, 14247), (292, 14304), (301, 14340), (302, 14343), (354, 14499), (357, 14508), (383, 14577), (389, 14586), (392, 14592), (408, 14625), (425, 14661), (467, 14748), (480, 14769), (513, 14832), (514, 14835), (517, 14838), (524, 14856), (530, 14877), (544, 14919), (566, 14955), (573, 14967),

Gene: Blizzard_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Blizzard_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: BlueFeather_1 Start: 75, Stop: 1616, Start Num: 42
Candidate Starts for BlueFeather_1:
(Start: 42 @75 has 1 MA's), (72, 129), (112, 237), (Start: 114 @240 has 15 MA's), (123, 282), (148, 396), (151, 405), (161, 438), (162, 441), (171, 483), (173, 489), (179, 501), (184, 513), (220, 663), (229, 714), (233, 735), (250, 798), (285, 897), (291, 906), (315, 1002), (368, 1158), (379, 1188), (380, 1191), (411, 1260), (425, 1299), (450, 1353), (454, 1359), (466, 1386), (506, 1461), (529, 1515), (532, 1521), (536, 1533), (539, 1539), (543, 1557),

Gene: Bobi_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Bobi_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Bobquesha_9 Start: 2502, Stop: 3842, Start Num: 114
Candidate Starts for Bobquesha_9:
(Start: 75 @2397 has 172 MA's), (Start: 114 @2502 has 15 MA's), (134, 2571), (136, 2586), (139, 2595), (149, 2640), (150, 2643), (152, 2652), (154, 2658), (156, 2667), (159, 2679), (161, 2685), (172,

2736), (181, 2754), (200, 2784), (219, 2889), (226, 2931), (228, 2940), (229, 2943), (250, 3021), (255, 3030), (294, 3135), (304, 3177), (306, 3183), (315, 3225), (357, 3342), (369, 3384), (389, 3429), (423, 3498), (445, 3543), (457, 3564), (467, 3588), (513, 3672), (546, 3765), (576, 3831), (578, 3837),

Gene: Boiiii_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Boiiii_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Boilgate_5 Start: 1550, Stop: 2998, Start Num: 75
Candidate Starts for Boilgate_5:
(33, 1493), (50, 1523), (Start: 75 @1550 has 172 MA's), (Start: 114 @1655 has 15 MA's), (134, 1724), (136, 1739), (139, 1748), (149, 1793), (150, 1796), (152, 1805), (154, 1811), (156, 1820), (159, 1832), (161, 1838), (172, 1889), (181, 1907), (200, 1937), (204, 1943), (218, 2036), (219, 2042), (223, 2069), (228, 2093), (229, 2096), (250, 2174), (255, 2183), (256, 2186), (271, 2231), (289, 2276), (294, 2288), (304, 2330), (306, 2336), (309, 2348), (315, 2378), (323, 2414), (326, 2429), (357, 2495), (369, 2537), (423, 2654), (452, 2714), (467, 2744), (494, 2792), (513, 2828), (546, 2921), (550, 2927), (576, 2987),

Gene: Boomer_3 Start: 797, Stop: 2158, Start Num: 114
Candidate Starts for Boomer_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: BoostSeason_4 Start: 652, Stop: 2073, Start Num: 75
Candidate Starts for BoostSeason_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (256, 1279), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (357, 1588), (370, 1630), (389, 1660), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (546, 1996), (576, 2062),

Gene: Bora_28 Start: 12903, Stop: 14414, Start Num: 25
Candidate Starts for Bora_28:
(Start: 23 @12900 has 17 MA's), (Start: 25 @12903 has 15 MA's), (Start: 103 @13083 has 2 MA's), (134, 13176), (149, 13251), (158, 13284), (165, 13311), (172, 13341), (219, 13494), (221, 13500), (226, 13536), (228, 13545), (250, 13626), (255, 13635), (256, 13638), (269, 13677), (292, 13734), (301, 13770), (302, 13773), (354, 13929), (357, 13938), (383, 14007), (389, 14016), (392, 14022), (408, 14055), (425, 14091), (467, 14178), (480, 14199), (513, 14262), (514, 14265), (517, 14268), (524, 14286), (530, 14307), (544, 14349), (564, 14382), (566, 14385), (573, 14397),

Gene: BotCity_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for BotCity_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977),

(161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (552, 2099), (556, 2111),

Gene: BrayBeast_2 Start: 311, Stop: 1759, Start Num: 69
Candidate Starts for BrayBeast_2:
(5, 170), (6, 173), (10, 185), (37, 257), (Start: 69 @311 has 12 MA's), (Start: 91 @371 has 6 MA's), (98, 392), (Start: 103 @413 has 2 MA's), (117, 446), (127, 482), (139, 527), (140, 530), (145, 566), (150, 581), (158, 611), (165, 638), (200, 716), (228, 872), (229, 875), (259, 980), (303, 1106), (306, 1115), (353, 1256), (355, 1262), (357, 1268), (378, 1328), (383, 1334), (403, 1373), (415, 1400), (420, 1409), (460, 1487), (467, 1505), (498, 1562), (550, 1682), (558, 1703), (576, 1748),

Gene: Brookers_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Brookers_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: BruceB_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for BruceB_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: BruceLethal_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for BruceLethal_2:
(Start: 80 @373 has 40 MA's), (89, 397), (98, 430), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (211, 847), (214, 856), (221, 904), (223, 925), (228, 949), (230, 961), (249, 1036), (250, 1039), (297, 1174), (303, 1201), (309, 1222), (323, 1288), (338, 1330), (343, 1339), (349, 1351), (363, 1393), (375, 1435), (382, 1447), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (459, 1597), (465, 1615), (468, 1621), (488, 1663), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (542, 1786), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: Brushbloom_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Brushbloom_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (136, 880), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (161, 979), (162, 982), (169, 1021), (178, 1042), (193, 1069), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101),

Gene: Bryler_7 Start: 1509, Stop: 2936, Start Num: 75
Candidate Starts for Bryler_7:
(Start: 75 @1509 has 172 MA's), (Start: 103 @1599 has 2 MA's), (Start: 114 @1623 has 15 MA's), (115, 1629), (136, 1707), (139, 1716), (150, 1764), (155, 1782), (172, 1851), (195, 1890), (200, 1899), (206, 1926), (219, 2004), (226, 2046), (228, 2055), (250, 2136), (268, 2184), (294, 2250), (304, 2292), (306, 2298), (309, 2310), (310, 2316), (315, 2340), (319, 2364), (321, 2370), (326, 2391), (357, 2460), (370, 2502), (420, 2595), (423, 2601), (425, 2604), (442, 2637), (457, 2667), (467, 2691), (494, 2739), (546, 2868), (576, 2925), (578, 2931),

Gene: Budski_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for Budski_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: BuzzLyseyear_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for BuzzLyseyear_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (178, 1042), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: CGermain_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for CGermain_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: CLED96_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for CLED96_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: CREW_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for CREW_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: CabbageMan_2 Start: 437, Stop: 1996, Start Num: 16
Candidate Starts for CabbageMan_2:
(Start: 8 @419 has 1 MA's), (Start: 16 @437 has 8 MA's), (Start: 67 @533 has 92 MA's), (68, 536), (Start: 87 @563 has 5 MA's), (112, 644), (115, 653), (121, 680), (139, 734), (141, 740), (149, 785), (168, 860), (169, 863), (171, 869), (173, 875), (175, 878), (186, 896), (201, 929), (219, 1031), (233, 1106), (239, 1130), (266, 1220), (267, 1223), (272, 1250), (273, 1253), (284, 1277), (286, 1286), (303, 1337), (309, 1358), (316, 1394), (325, 1430), (331, 1454), (355, 1505), (359, 1520), (365, 1532), (380, 1577), (387, 1589), (446, 1730), (471, 1781), (475, 1787), (541, 1934), (543, 1943), (546, 1952),

Gene: Cain_7 Start: 1509, Stop: 2936, Start Num: 75
Candidate Starts for Cain_7:
(Start: 75 @1509 has 172 MA's), (Start: 103 @1599 has 2 MA's), (Start: 114 @1623 has 15 MA's), (115, 1629), (136, 1707), (139, 1716), (150, 1764), (155, 1782), (172, 1851), (195, 1890), (200, 1899), (206, 1926), (219, 2004), (226, 2046), (228, 2055), (250, 2136), (268, 2184), (294, 2250), (304, 2292), (306, 2298), (309, 2310), (310, 2316), (315, 2340), (319, 2364), (321, 2370), (326, 2391), (357, 2460), (370, 2502), (420, 2595), (423, 2601), (425, 2604), (442, 2637), (457, 2667), (467, 2691), (494, 2739), (546, 2868), (576, 2925), (578, 2931),

Gene: CallaLilly_8 Start: 1563, Stop: 2984, Start Num: 75
Candidate Starts for CallaLilly_8:
(31, 1491), (Start: 69 @1551 has 12 MA's), (Start: 75 @1563 has 172 MA's), (Start: 114 @1674 has 15 MA's), (115, 1680), (136, 1758), (139, 1767), (150, 1815), (155, 1833), (172, 1902), (196, 1944), (200, 1950), (206, 1977), (207, 1980), (226, 2097), (228, 2106), (250, 2187), (294, 2301), (306, 2349), (309, 2361), (315, 2391), (319, 2415), (323, 2427), (326, 2442), (355, 2505), (357, 2511), (425, 2655), (442, 2688), (467, 2742), (546, 2919), (576, 2973),

Gene: Cambiare_3 Start: 925, Stop: 2397, Start Num: 83
Candidate Starts for Cambiare_3:
(17, 826), (Start: 24 @841 has 31 MA's), (Start: 83 @925 has 46 MA's), (Start: 88 @940 has 1 MA's), (138, 1114), (150, 1165), (161, 1201), (177, 1261), (221, 1426), (226, 1462), (230, 1483), (240, 1513), (250, 1552), (306, 1714), (319, 1777), (324, 1792), (336, 1837), (339, 1840), (357, 1888), (365, 1912), (403, 1987), (425, 2038), (440, 2068), (442, 2071), (445, 2080), (452, 2095), (457, 2101), (460, 2107), (480, 2146), (506, 2197), (513, 2212), (544, 2299), (546, 2305), (576, 2386), (578, 2392),

Gene: Camri_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Camri_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Capricorn_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Capricorn_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: CaseJules_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for CaseJules_8:

(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: CassieYates_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for CassieYates_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Cassini_2 Start: 460, Stop: 1965, Start Num: 86
Candidate Starts for Cassini_2:
(Start: 86 @460 has 4 MA's), (Start: 93 @493 has 6 MA's), (126, 604), (154, 709), (174, 784), (192, 835), (198, 844), (209, 904), (237, 1048), (241, 1060), (253, 1105), (256, 1111), (259, 1126), (275, 1189), (283, 1210), (315, 1333), (317, 1339), (354, 1441), (356, 1447), (378, 1519), (453, 1666), (477, 1714), (479, 1717), (490, 1747), (513, 1795), (546, 1879),

Gene: Catdawg_30 Start: 13079, Stop: 14590, Start Num: 25
Candidate Starts for Catdawg_30:
(Start: 23 @13076 has 17 MA's), (Start: 25 @13079 has 15 MA's), (Start: 103 @13259 has 2 MA's), (134, 13352), (149, 13427), (158, 13460), (165, 13487), (172, 13517), (219, 13670), (221, 13676), (226, 13712), (228, 13721), (250, 13802), (255, 13811), (256, 13814), (269, 13853), (292, 13910), (301, 13946), (302, 13949), (354, 14105), (357, 14114), (383, 14183), (389, 14192), (392, 14198), (408, 14231), (425, 14267), (467, 14354), (480, 14375), (513, 14438), (514, 14441), (517, 14444), (524, 14462), (530, 14483), (544, 14525), (566, 14561), (573, 14573),

Gene: Cedasite_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Cedasite_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Cerasum_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Cerasum_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Chance64_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Chance64_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318,

1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Chancellor_9 Start: 2478, Stop: 3920, Start Num: 75
Candidate Starts for Chancellor_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3909), (578, 3915),

Gene: Chavito_8 Start: 1661, Stop: 3091, Start Num: 75
Candidate Starts for Chavito_8:
(40, 1619), (Start: 75 @1661 has 172 MA's), (Start: 103 @1751 has 2 MA's), (Start: 114 @1775 has 15 MA's), (115, 1781), (125, 1820), (136, 1859), (139, 1868), (141, 1874), (150, 1916), (155, 1934), (161, 1952), (172, 2003), (200, 2051), (206, 2078), (226, 2198), (228, 2207), (250, 2288), (268, 2336), (294, 2402), (306, 2450), (309, 2462), (315, 2492), (319, 2516), (326, 2543), (357, 2612), (370, 2654), (400, 2708), (420, 2747), (425, 2756), (457, 2819), (467, 2843), (514, 2933), (546, 3023), (550, 3029), (568, 3062), (576, 3080), (578, 3086),

Gene: Che9d_3 Start: 673, Stop: 2193, Start Num: 67
Candidate Starts for Che9d_3:
(52, 661), (Start: 67 @673 has 92 MA's), (Start: 114 @799 has 15 MA's), (116, 808), (130, 853), (136, 883), (137, 886), (139, 892), (147, 937), (154, 961), (193, 1072), (201, 1090), (203, 1093), (206, 1117), (221, 1201), (226, 1237), (228, 1246), (230, 1258), (231, 1264), (237, 1279), (241, 1291), (246, 1318), (248, 1324), (251, 1330), (260, 1366), (261, 1375), (271, 1405), (281, 1435), (282, 1438), (307, 1534), (309, 1543), (314, 1570), (340, 1654), (349, 1669), (397, 1780), (403, 1789), (408, 1798), (440, 1861), (477, 1936), (484, 1948), (494, 1966), (513, 2002), (530, 2044), (533, 2050), (546, 2092), (552, 2104), (556, 2116), (580, 2182),

Gene: CheeseDanish_4 Start: 607, Stop: 2163, Start Num: 16
Candidate Starts for CheeseDanish_4:
(Start: 16 @607 has 8 MA's), (22, 619), (43, 658), (Start: 67 @700 has 92 MA's), (68, 703), (Start: 87 @730 has 5 MA's), (112, 811), (115, 820), (121, 847), (139, 901), (141, 907), (149, 952), (168, 1027), (169, 1030), (171, 1036), (173, 1042), (175, 1045), (186, 1063), (233, 1273), (266, 1387), (267, 1390), (272, 1417), (273, 1420), (284, 1444), (286, 1453), (303, 1504), (309, 1525), (325, 1597), (331, 1621), (355, 1672), (359, 1687), (365, 1699), (380, 1744), (387, 1756), (471, 1948), (475, 1954), (541, 2101), (543, 2110), (546, 2119),

Gene: CheeseTouch_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for CheeseTouch_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: CheetoDust_8 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for CheetoDust_8:
(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200,

2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (319, 2465), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: Cheetobro_9 Start: 2478, Stop: 3920, Start Num: 75
Candidate Starts for Cheetobro_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3909), (578, 3915),

Gene: Cherrybomb426_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Cherrybomb426_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Chestnut_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Chestnut_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: ChickenDinner_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for ChickenDinner_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Chris_7 Start: 1525, Stop: 2949, Start Num: 75
Candidate Starts for Chris_7:
(Start: 75 @1525 has 172 MA's), (98, 1591), (Start: 103 @1612 has 2 MA's), (Start: 114 @1636 has 15 MA's), (125, 1681), (136, 1720), (139, 1729), (150, 1777), (155, 1795), (161, 1813), (172, 1864), (206, 1939), (219, 2017), (226, 2059), (228, 2068), (250, 2149), (294, 2263), (304, 2305), (306, 2311), (309, 2323), (315, 2353), (326, 2404), (357, 2473), (370, 2515), (425, 2617), (440, 2647), (442, 2650), (460, 2686), (467, 2704), (486, 2737), (550, 2887), (576, 2938),

Gene: Clipper_8 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for Clipper_8:
(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200, 2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (319, 2465), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: Cloudyecho_2 Start: 353, Stop: 1939, Start Num: 24
Candidate Starts for Cloudyecho_2:
(Start: 24 @353 has 31 MA's), (Start: 69 @440 has 12 MA's), (Start: 83 @464 has 46 MA's), (Start: 91 @500 has 6 MA's), (98, 521), (Start: 103 @542 has 2 MA's), (150, 704), (161, 740), (177, 800), (221, 965), (226, 1001), (230, 1022), (240, 1052), (250, 1091), (255, 1100), (306, 1253), (357, 1427), (365, 1451), (425, 1577), (447, 1622), (506, 1736), (513, 1751), (546, 1844), (556, 1868), (565, 1886), (577, 1931),

Gene: Coco12_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Coco12_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Coleslaw_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Coleslaw_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Collard_6 Start: 1324, Stop: 2751, Start Num: 81
Candidate Starts for Collard_6:
(Start: 81 @1324 has 25 MA's), (98, 1381), (Start: 103 @1402 has 2 MA's), (Start: 114 @1426 has 15 MA's), (136, 1510), (139, 1519), (141, 1525), (150, 1567), (155, 1585), (161, 1603), (172, 1654), (180, 1669), (206, 1729), (219, 1807), (226, 1849), (228, 1858), (229, 1861), (250, 1939), (294, 2053), (306, 2101), (315, 2143), (319, 2167), (323, 2179), (328, 2206), (353, 2251), (357, 2263), (420, 2410), (440, 2449), (467, 2506), (482, 2530), (494, 2554), (506, 2578), (544, 2677), (546, 2683), (576, 2740),

Gene: Copper_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Copper_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Corgi_4 Start: 607, Stop: 2163, Start Num: 16
Candidate Starts for Corgi_4:
(Start: 16 @607 has 8 MA's), (22, 619), (43, 658), (Start: 67 @700 has 92 MA's), (68, 703), (Start: 87 @730 has 5 MA's), (112, 811), (115, 820), (121, 847), (139, 901), (141, 907), (149, 952), (168, 1027), (169, 1030), (171, 1036), (173, 1042), (175, 1045), (186, 1063), (233, 1273), (266, 1387), (267, 1390), (272, 1417), (273, 1420), (284, 1444), (286, 1453), (303, 1504), (309, 1525), (325, 1597), (331, 1621), (355, 1672), (359, 1687), (365, 1699), (380, 1744), (387, 1756), (471, 1948), (475, 1954), (541, 2101), (543, 2110), (546, 2119),

Gene: Corndog_32 Start: 13529, Stop: 15040, Start Num: 25

Candidate Starts for Corndog_32:
(Start: 23 @13526 has 17 MA's), (Start: 25 @13529 has 15 MA's), (Start: 103 @13709 has 2 MA's), (134, 13802), (149, 13877), (158, 13910), (165, 13937), (172, 13967), (219, 14120), (221, 14126), (226, 14162), (228, 14171), (250, 14252), (255, 14261), (256, 14264), (269, 14303), (292, 14360), (301, 14396), (302, 14399), (354, 14555), (357, 14564), (383, 14633), (389, 14642), (392, 14648), (408, 14681), (425, 14717), (467, 14804), (480, 14825), (513, 14888), (514, 14891), (517, 14894), (524, 14912), (530, 14933), (544, 14975), (566, 15011), (573, 15023),

Gene: Cornucopia_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Cornucopia_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (136, 882), (137, 885), (139, 891), (141, 897), (147, 936), (150, 945), (161, 981), (169, 1023), (193, 1071), (201, 1089), (203, 1092), (212, 1143), (221, 1200), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103),

Gene: Cota_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Cota_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (327, 1314), (349, 1356), (363, 1398), (391, 1467), (398, 1485), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (459, 1602), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (557, 1827), (575, 1875), (577, 1881),

Gene: Courtney3_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Courtney3_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Crespo_2 Start: 456, Stop: 1892, Start Num: 83
Candidate Starts for Crespo_2:
(Start: 24 @360 has 31 MA's), (Start: 83 @456 has 46 MA's), (Start: 85 @459 has 4 MA's), (Start: 92 @495 has 1 MA's), (Start: 103 @534 has 2 MA's), (150, 696), (172, 783), (177, 792), (186, 810), (195, 822), (221, 942), (226, 978), (230, 999), (237, 1020), (250, 1068), (255, 1077), (306, 1230), (318, 1290), (324, 1308), (346, 1359), (357, 1386), (361, 1401), (362, 1404), (403, 1485), (421, 1530), (460, 1605), (467, 1623), (480, 1644), (503, 1689), (512, 1707), (513, 1710), (546, 1803), (577, 1884),

Gene: CrimD_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for CrimD_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (355, 2504), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: Curiosium_9 Start: 1962, Stop: 3389, Start Num: 75
Candidate Starts for Curiosium_9:
(26, 1878), (47, 1929), (Start: 69 @1950 has 12 MA's), (Start: 75 @1962 has 172 MA's), (Start: 114 @2073 has 15 MA's), (115, 2079), (125, 2118), (136, 2157), (139, 2166), (141, 2172), (150, 2214), (155, 2232), (161, 2250), (172, 2301), (206, 2376), (207, 2379), (226, 2496), (228, 2505), (268, 2634), (294, 2700), (306, 2748), (309, 2760), (315, 2790), (319, 2814), (321, 2820), (357, 2910), (403, 3012), (423, 3051), (425, 3054), (442, 3087), (460, 3123), (467, 3141), (514, 3228), (546, 3318), (576, 3378), (578, 3384),

Gene: DMoney_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for DMoney_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: DNAIII_002 Start: 368, Stop: 1900, Start Num: 24
Candidate Starts for DNAIII_002:
(Start: 24 @368 has 31 MA's), (Start: 83 @464 has 46 MA's), (Start: 85 @467 has 4 MA's), (Start: 92 @503 has 1 MA's), (Start: 103 @542 has 2 MA's), (150, 704), (172, 791), (177, 800), (186, 818), (195, 830), (221, 950), (226, 986), (230, 1007), (237, 1028), (250, 1076), (255, 1085), (306, 1238), (318, 1298), (324, 1316), (346, 1367), (357, 1394), (361, 1409), (362, 1412), (403, 1493), (421, 1538), (460, 1613), (467, 1631), (480, 1652), (503, 1697), (512, 1715), (513, 1718), (546, 1811), (577, 1892),

Gene: DaWorst_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for DaWorst_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Dadosky_6 Start: 1349, Stop: 2776, Start Num: 81
Candidate Starts for Dadosky_6:
(Start: 81 @1349 has 25 MA's), (98, 1406), (Start: 103 @1427 has 2 MA's), (Start: 114 @1451 has 15 MA's), (136, 1535), (139, 1544), (141, 1550), (149, 1589), (150, 1592), (155, 1610), (161, 1628), (172, 1679), (195, 1718), (206, 1754), (212, 1781), (219, 1832), (226, 1874), (228, 1883), (229, 1886), (250, 1964), (294, 2078), (306, 2126), (309, 2138), (315, 2168), (323, 2204), (328, 2231), (357, 2288), (389, 2372), (400, 2396), (440, 2474), (467, 2531), (482, 2555), (494, 2579), (546, 2708), (576, 2765),

Gene: Dalmuri_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Dalmuri_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: DanSyl44_9 Start: 2583, Stop: 3923, Start Num: 114
Candidate Starts for DanSyl44_9:

(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (226, 3012), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3912), (578, 3918),

Gene: Darionha_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Darionha_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: DartGoblin_8 Start: 1545, Stop: 2966, Start Num: 75
Candidate Starts for DartGoblin_8:
(31, 1473), (47, 1512), (Start: 69 @1533 has 12 MA's), (Start: 75 @1545 has 172 MA's), (Start: 114 @1656 has 15 MA's), (115, 1662), (136, 1740), (139, 1749), (150, 1797), (155, 1815), (172, 1884), (196, 1926), (200, 1932), (206, 1959), (226, 2079), (228, 2088), (250, 2169), (257, 2187), (294, 2283), (306, 2331), (309, 2343), (315, 2373), (319, 2397), (323, 2409), (355, 2487), (357, 2493), (425, 2637), (442, 2670), (467, 2724), (546, 2901), (576, 2955),

Gene: DarthP_7 Start: 1387, Stop: 2811, Start Num: 75
Candidate Starts for DarthP_7:
(Start: 69 @1375 has 12 MA's), (Start: 75 @1387 has 172 MA's), (Start: 103 @1474 has 2 MA's), (Start: 114 @1498 has 15 MA's), (136, 1582), (139, 1591), (150, 1639), (155, 1657), (161, 1675), (172, 1726), (200, 1774), (226, 1921), (228, 1930), (229, 1933), (237, 1963), (250, 2011), (294, 2125), (309, 2185), (315, 2215), (326, 2266), (333, 2287), (357, 2335), (370, 2377), (389, 2407), (425, 2479), (467, 2566), (546, 2743), (576, 2800), (578, 2806),

Gene: Dartin_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for Dartin_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: Deby_8 Start: 1575, Stop: 2996, Start Num: 75
Candidate Starts for Deby_8:
(31, 1503), (Start: 69 @1563 has 12 MA's), (Start: 75 @1575 has 172 MA's), (Start: 114 @1686 has 15 MA's), (115, 1692), (136, 1770), (139, 1779), (150, 1827), (155, 1845), (172, 1914), (196, 1956), (200, 1962), (226, 2109), (228, 2118), (257, 2217), (294, 2313), (306, 2361), (309, 2373), (315, 2403), (319, 2427), (323, 2439), (326, 2454), (357, 2523), (425, 2667), (467, 2754), (546, 2931), (576, 2985),

Gene: Decurro_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Decurro_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (132, 992), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Demsculpinboyz_3 Start: 664, Stop: 2184, Start Num: 67
Candidate Starts for Demsculpinboyz_3:
(52, 652), (Start: 67 @664 has 92 MA's), (Start: 114 @790 has 15 MA's), (116, 799), (130, 844), (136, 874), (137, 877), (139, 883), (147, 928), (154, 952), (193, 1063), (201, 1081), (203, 1084), (206, 1108), (221, 1192), (226, 1228), (228, 1237), (230, 1249), (231, 1255), (237, 1270), (241, 1282), (246, 1309), (248, 1315), (251, 1321), (260, 1357), (261, 1366), (271, 1396), (281, 1426), (282, 1429), (307, 1525), (309, 1534), (314, 1561), (340, 1645), (349, 1660), (397, 1771), (403, 1780), (408, 1789), (477, 1927), (484, 1939), (494, 1957), (513, 1993), (530, 2035), (533, 2041), (546, 2083), (552, 2095), (556, 2107), (580, 2173),

Gene: Devera_8 Start: 1604, Stop: 3025, Start Num: 75
Candidate Starts for Devera_8:
(31, 1532), (Start: 69 @1592 has 12 MA's), (Start: 75 @1604 has 172 MA's), (Start: 114 @1715 has 15 MA's), (115, 1721), (136, 1799), (139, 1808), (150, 1856), (155, 1874), (172, 1943), (196, 1985), (200, 1991), (206, 2018), (207, 2021), (219, 2096), (226, 2138), (228, 2147), (250, 2228), (294, 2342), (306, 2390), (309, 2402), (315, 2432), (319, 2456), (323, 2468), (326, 2483), (357, 2552), (368, 2591), (425, 2696), (442, 2729), (467, 2783), (546, 2960), (576, 3014),

Gene: Dewayne_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Dewayne_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: DingDing_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for DingDing_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: DirtMcgirt_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for DirtMcgirt_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: DismalFunk_4 Start: 652, Stop: 2076, Start Num: 75
Candidate Starts for DismalFunk_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (206, 1057), (220, 1138), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (353, 1576), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: DismalStressor_4 Start: 652, Stop: 2076, Start Num: 75
Candidate Starts for DismalStressor_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (206, 1057), (220, 1138), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (353, 1576), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: DocMcStuffins_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for DocMcStuffins_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Dole_8 Start: 1604, Stop: 3025, Start Num: 75
Candidate Starts for Dole_8:
(31, 1532), (Start: 69 @1592 has 12 MA's), (Start: 75 @1604 has 172 MA's), (Start: 114 @1715 has 15 MA's), (115, 1721), (136, 1799), (139, 1808), (150, 1856), (155, 1874), (172, 1943), (196, 1985), (200, 1991), (206, 2018), (207, 2021), (219, 2096), (226, 2138), (228, 2147), (250, 2228), (294, 2342), (306, 2390), (309, 2402), (315, 2432), (319, 2456), (323, 2468), (326, 2483), (357, 2552), (368, 2591), (425, 2696), (442, 2729), (467, 2783), (546, 2960), (576, 3014),

Gene: Doomslug_3 Start: 802, Stop: 2157, Start Num: 115
Candidate Starts for Doomslug_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (136, 880), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (161, 979), (162, 982), (169, 1021), (178, 1042), (193, 1069), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101),

Gene: DosHalletts_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for DosHalletts_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: DoubleChamp_6 Start: 1324, Stop: 2751, Start Num: 81
Candidate Starts for DoubleChamp_6:
(Start: 81 @1324 has 25 MA's), (98, 1381), (Start: 103 @1402 has 2 MA's), (Start: 114 @1426 has 15 MA's), (136, 1510), (139, 1519), (141, 1525), (150, 1567), (155, 1585), (161, 1603), (172, 1654), (180, 1669), (206, 1729), (219, 1807), (226, 1849), (228, 1858), (229, 1861), (250, 1939), (294, 2053), (306,

2101), (315, 2143), (319, 2167), (323, 2179), (328, 2206), (353, 2251), (357, 2263), (420, 2410), (440, 2449), (467, 2506), (482, 2530), (494, 2554), (506, 2578), (544, 2677), (546, 2683), (576, 2740),

Gene: Doucette_3 Start: 956, Stop: 2410, Start Num: 69
Candidate Starts for Doucette_3:
(Start: 69 @956 has 12 MA's), (71, 959), (Start: 103 @1058 has 2 MA's), (115, 1085), (121, 1112), (123, 1121), (136, 1163), (141, 1178), (148, 1220), (161, 1262), (177, 1322), (186, 1340), (194, 1349), (218, 1460), (228, 1517), (231, 1535), (241, 1562), (306, 1760), (307, 1763), (308, 1769), (315, 1802), (355, 1907), (452, 2126), (459, 2132), (473, 2165), (575, 2396),

Gene: Doughnut_4 Start: 652, Stop: 2073, Start Num: 75
Candidate Starts for Doughnut_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (256, 1279), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (357, 1588), (370, 1630), (389, 1660), (423, 1729), (432, 1744), (440, 1762), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (546, 1996), (576, 2062),

Gene: DrHayes_8 Start: 1566, Stop: 2987, Start Num: 75
Candidate Starts for DrHayes_8:
(31, 1494), (47, 1533), (Start: 69 @1554 has 12 MA's), (Start: 75 @1566 has 172 MA's), (Start: 114 @1677 has 15 MA's), (115, 1683), (136, 1761), (139, 1770), (150, 1818), (155, 1836), (172, 1905), (196, 1947), (200, 1953), (206, 1980), (207, 1983), (212, 2007), (226, 2100), (228, 2109), (250, 2190), (257, 2208), (294, 2304), (306, 2352), (309, 2364), (315, 2394), (319, 2418), (323, 2430), (355, 2508), (357, 2514), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: DrParker_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for DrParker_2:
(Start: 80 @378 has 40 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (363, 1398), (394, 1476), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (481, 1647), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: Drago_3 Start: 797, Stop: 2158, Start Num: 114
Candidate Starts for Drago_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Durfee_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Durfee_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309,

2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Dylan_30 Start: 13252, Stop: 14766, Start Num: 23
Candidate Starts for Dylan_30:
(Start: 23 @13252 has 17 MA's), (Start: 25 @13255 has 15 MA's), (Start: 103 @13435 has 2 MA's), (134, 13528), (149, 13603), (158, 13636), (165, 13663), (172, 13693), (219, 13846), (221, 13852), (226, 13888), (228, 13897), (250, 13978), (255, 13987), (256, 13990), (292, 14086), (301, 14122), (302, 14125), (354, 14281), (357, 14290), (383, 14359), (389, 14368), (392, 14374), (408, 14407), (425, 14443), (467, 14530), (480, 14551), (513, 14614), (514, 14617), (517, 14620), (524, 14638), (530, 14659), (544, 14701), (564, 14734), (566, 14737), (573, 14749),

Gene: E6_3 Start: 957, Stop: 2411, Start Num: 69
Candidate Starts for E6_3:
(Start: 69 @957 has 12 MA's), (71, 960), (Start: 103 @1059 has 2 MA's), (115, 1086), (121, 1113), (123, 1122), (136, 1164), (141, 1179), (148, 1221), (161, 1263), (177, 1323), (194, 1350), (218, 1461), (228, 1518), (231, 1536), (241, 1563), (306, 1761), (307, 1764), (308, 1770), (315, 1803), (368, 1953), (408, 2037), (410, 2040), (414, 2046), (452, 2127), (461, 2139), (473, 2166), (575, 2397),

Gene: ECartman_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for ECartman_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Ecliptus_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Ecliptus_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (116, 808), (135, 871), (137, 886), (141, 898), (147, 937), (160, 979), (161, 982), (169, 1024), (181, 1051), (193, 1072), (201, 1090), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (223, 1222), (230, 1258), (231, 1264), (237, 1279), (241, 1291), (251, 1330), (272, 1411), (307, 1534), (309, 1543), (314, 1570), (323, 1609), (328, 1636), (343, 1657), (390, 1759), (403, 1786), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Edugator_5 Start: 1349, Stop: 2776, Start Num: 81
Candidate Starts for Edugator_5:
(Start: 81 @1349 has 25 MA's), (98, 1406), (Start: 103 @1427 has 2 MA's), (Start: 114 @1451 has 15 MA's), (136, 1535), (139, 1544), (141, 1550), (149, 1589), (150, 1592), (155, 1610), (161, 1628), (172, 1679), (195, 1718), (206, 1754), (212, 1781), (219, 1832), (226, 1874), (228, 1883), (229, 1886), (250, 1964), (294, 2078), (306, 2126), (309, 2138), (315, 2168), (323, 2204), (328, 2231), (357, 2288), (389, 2372), (400, 2396), (440, 2474), (445, 2486), (467, 2531), (482, 2555), (494, 2579), (546, 2708), (576, 2765),

Gene: Efra2_8 Start: 1571, Stop: 2995, Start Num: 75
Candidate Starts for Efra2_8:
(31, 1499), (Start: 69 @1559 has 12 MA's), (Start: 75 @1571 has 172 MA's), (Start: 103 @1658 has 2 MA's), (Start: 114 @1682 has 15 MA's), (115, 1688), (125, 1727), (136, 1766), (139, 1775), (141, 1781), (150, 1823), (155, 1841), (161, 1859), (172, 1910), (195, 1949), (206, 1985), (207, 1988), (226, 2105), (228, 2114), (268, 2243), (294, 2309), (306, 2357), (309, 2369), (315, 2399), (319, 2423), (321, 2429), (326, 2450), (357, 2519), (389, 2591), (423, 2660), (425, 2663), (442, 2696), (467, 2750), (482, 2774), (514, 2837), (546, 2927), (576, 2984), (578, 2990),

Gene: Ekdilam_5 Start: 1122, Stop: 2546, Start Num: 75
Candidate Starts for Ekdilam_5:
(Start: 69 @1110 has 12 MA's), (Start: 75 @1122 has 172 MA's), (Start: 103 @1209 has 2 MA's), (Start: 114 @1233 has 15 MA's), (136, 1317), (139, 1326), (150, 1374), (155, 1392), (161, 1410), (172, 1461), (200, 1509), (206, 1536), (226, 1656), (228, 1665), (229, 1668), (237, 1698), (250, 1746), (309, 1920), (315, 1950), (326, 2001), (333, 2022), (357, 2070), (370, 2112), (389, 2142), (425, 2214), (467, 2301), (576, 2535), (578, 2541),

Gene: ElectricPheel_5 Start: 874, Stop: 2364, Start Num: 63
Candidate Starts for ElectricPheel_5:
(Start: 63 @874 has 39 MA's), (Start: 87 @919 has 5 MA's), (118, 1021), (123, 1048), (139, 1099), (143, 1111), (146, 1141), (150, 1153), (154, 1168), (171, 1234), (199, 1279), (216, 1366), (220, 1390), (221, 1393), (222, 1396), (229, 1441), (234, 1465), (236, 1474), (263, 1540), (273, 1603), (279, 1615), (296, 1657), (301, 1675), (316, 1735), (328, 1792), (334, 1804), (355, 1846), (380, 1924), (405, 1978), (435, 2044), (439, 2053), (476, 2128), (482, 2137), (495, 2164), (524, 2221), (541, 2275), (569, 2347),

Gene: Elkhorn_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Elkhorn_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296, 1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: Ellie_5 Start: 1213, Stop: 2637, Start Num: 75
Candidate Starts for Ellie_5:
(26, 1129), (Start: 69 @1201 has 12 MA's), (Start: 75 @1213 has 172 MA's), (Start: 103 @1300 has 2 MA's), (Start: 114 @1324 has 15 MA's), (136, 1408), (139, 1417), (150, 1465), (155, 1483), (161, 1501), (172, 1552), (206, 1627), (207, 1630), (226, 1747), (228, 1756), (229, 1759), (237, 1789), (250, 1837), (294, 1951), (306, 1999), (309, 2011), (315, 2041), (319, 2065), (323, 2077), (324, 2080), (326, 2092), (357, 2161), (370, 2203), (389, 2233), (425, 2305), (442, 2338), (445, 2347), (467, 2392), (546, 2569), (576, 2626), (578, 2632),

Gene: Emerson_8 Start: 1593, Stop: 3017, Start Num: 75
Candidate Starts for Emerson_8:
(31, 1521), (Start: 69 @1581 has 12 MA's), (Start: 75 @1593 has 172 MA's), (Start: 114 @1704 has 15 MA's), (115, 1710), (136, 1788), (139, 1797), (150, 1845), (155, 1863), (172, 1932), (196, 1974), (200, 1980), (206, 2007), (207, 2010), (226, 2127), (228, 2136), (250, 2217), (294, 2331), (306, 2379), (309, 2391), (315, 2421), (319, 2445), (323, 2457), (355, 2535), (357, 2541), (425, 2688), (442, 2721), (467, 2775), (546, 2952), (576, 3006),

Gene: Emmaloid_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Emmaloid_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Enby_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Enby_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Enkosi_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Enkosi_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: Enochoraptor_2 Start: 385, Stop: 1896, Start Num: 80
Candidate Starts for Enochoraptor_2:
(Start: 80 @385 has 40 MA's), (Start: 92 @424 has 1 MA's), (98, 442), (107, 469), (115, 487), (121, 514), (122, 517), (136, 565), (139, 574), (141, 580), (146, 610), (151, 625), (162, 658), (165, 676), (170, 700), (172, 706), (187, 745), (189, 754), (191, 757), (201, 796), (202, 799), (211, 859), (214, 868), (220, 913), (221, 916), (223, 937), (226, 952), (228, 961), (230, 973), (241, 1012), (249, 1048), (250, 1051), (252, 1054), (259, 1075), (287, 1162), (297, 1186), (303, 1213), (309, 1234), (323, 1300), (409, 1510), (421, 1537), (433, 1558), (435, 1564), (441, 1576), (459, 1609), (465, 1627), (468, 1633), (485, 1663), (490, 1678), (506, 1711), (507, 1714), (513, 1726), (546, 1813), (564, 1849), (575, 1882), (577, 1888),

Gene: Enoki_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for Enoki_2:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (241, 1000), (244, 1021), (250, 1039), (252, 1042), (256, 1048), (259, 1063), (277, 1129), (278, 1132), (297, 1174), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (481, 1642), (488, 1663), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (553, 1816), (575, 1870), (577, 1876),

Gene: Eponine_9 Start: 2470, Stop: 3915, Start Num: 75
Candidate Starts for Eponine_9:
(Start: 75 @2470 has 172 MA's), (Start: 114 @2575 has 15 MA's), (136, 2659), (139, 2668), (150, 2716), (161, 2758), (172, 2809), (181, 2827), (200, 2857), (206, 2884), (219, 2962), (226, 3004), (228, 3013), (229, 3016), (250, 3094), (255, 3103), (268, 3142), (294, 3208), (306, 3256), (315, 3298), (319, 3322), (357, 3415), (369, 3457), (389, 3502), (423, 3571), (445, 3616), (452, 3631), (457, 3637), (467, 3661), (546, 3838), (576, 3904), (578, 3910),

Gene: Eyoseyas_2 Start: 361, Stop: 1926, Start Num: 28
Candidate Starts for Eyoseyas_2:
(Start: 28 @361 has 1 MA's), (Start: 48 @412 has 2 MA's), (Start: 57 @424 has 4 MA's), (65, 448), (82, 472), (118, 583), (123, 610), (143, 673), (146, 703), (149, 712), (154, 730), (199, 841), (206, 874), (221,

955), (229, 1003), (247, 1084), (296, 1219), (303, 1246), (316, 1297), (324, 1330), (393, 1513), (435, 1606), (452, 1645), (457, 1651), (462, 1660), (482, 1699), (524, 1783), (526, 1798), (548, 1858), (559, 1888),

Gene: Faith5x5_2 Start: 473, Stop: 1936, Start Num: 88
Candidate Starts for Faith5x5_2:
(59, 422), (62, 428), (Start: 69 @437 has 12 MA's), (Start: 88 @473 has 1 MA's), (Start: 92 @497 has 1 MA's), (101, 524), (Start: 103 @536 has 2 MA's), (107, 548), (121, 590), (130, 611), (139, 650), (140, 653), (152, 713), (158, 734), (161, 740), (162, 743), (172, 791), (177, 800), (178, 803), (212, 911), (217, 947), (221, 968), (224, 995), (228, 1013), (229, 1016), (238, 1058), (241, 1067), (269, 1154), (271, 1160), (289, 1205), (303, 1256), (306, 1265), (307, 1268), (314, 1307), (315, 1310), (322, 1340), (347, 1391), (355, 1412), (357, 1418), (374, 1475), (383, 1490), (386, 1493), (404, 1526), (430, 1592), (433, 1595), (464, 1658), (482, 1688), (497, 1727), (499, 1730), (508, 1754), (515, 1766), (518, 1769), (541, 1835), (543, 1844), (544, 1847), (546, 1853), (556, 1877), (575, 1922), (576, 1925),

Gene: Familton_31 Start: 13080, Stop: 14594, Start Num: 23
Candidate Starts for Familton_31:
(Start: 23 @13080 has 17 MA's), (Start: 25 @13083 has 15 MA's), (Start: 103 @13263 has 2 MA's), (134, 13356), (149, 13431), (158, 13464), (165, 13491), (172, 13521), (219, 13674), (221, 13680), (226, 13716), (228, 13725), (250, 13806), (255, 13815), (256, 13818), (269, 13857), (292, 13914), (301, 13950), (302, 13953), (354, 14109), (357, 14118), (383, 14187), (389, 14196), (392, 14202), (408, 14235), (425, 14271), (467, 14358), (480, 14379), (513, 14442), (514, 14445), (517, 14448), (524, 14466), (530, 14487), (544, 14529), (566, 14565), (573, 14577),

Gene: Fefferhead_7 Start: 1383, Stop: 2807, Start Num: 75
Candidate Starts for Fefferhead_7:
(26, 1299), (Start: 69 @1371 has 12 MA's), (Start: 75 @1383 has 172 MA's), (Start: 103 @1470 has 2 MA's), (Start: 114 @1494 has 15 MA's), (136, 1578), (139, 1587), (150, 1635), (155, 1653), (161, 1671), (172, 1722), (206, 1797), (207, 1800), (226, 1917), (228, 1926), (229, 1929), (237, 1959), (250, 2007), (294, 2121), (306, 2169), (309, 2181), (315, 2211), (319, 2235), (324, 2250), (326, 2262), (357, 2331), (370, 2373), (389, 2403), (425, 2475), (442, 2508), (445, 2517), (467, 2562), (576, 2796), (578, 2802),

Gene: Feyre_6 Start: 1325, Stop: 2752, Start Num: 81
Candidate Starts for Feyre_6:
(Start: 81 @1325 has 25 MA's), (98, 1382), (Start: 103 @1403 has 2 MA's), (Start: 114 @1427 has 15 MA's), (136, 1511), (139, 1520), (141, 1526), (150, 1568), (155, 1586), (161, 1604), (172, 1655), (180, 1670), (206, 1730), (219, 1808), (226, 1850), (228, 1859), (229, 1862), (250, 1940), (294, 2054), (306, 2102), (315, 2144), (319, 2168), (323, 2180), (328, 2207), (353, 2252), (357, 2264), (420, 2411), (440, 2450), (467, 2507), (482, 2531), (494, 2555), (506, 2579), (544, 2678), (546, 2684), (576, 2741),

Gene: Findley_4 Start: 652, Stop: 2076, Start Num: 75
Candidate Starts for Findley_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: Fionnbharth_9 Start: 2465, Stop: 3910, Start Num: 75
Candidate Starts for Fionnbharth_9:

(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: FirePit_2 Start: 424, Stop: 1926, Start Num: 57
Candidate Starts for FirePit_2:
(Start: 28 @361 has 1 MA's), (Start: 48 @412 has 2 MA's), (Start: 57 @424 has 4 MA's), (65, 448), (82, 472), (118, 583), (123, 610), (143, 673), (146, 703), (149, 712), (154, 730), (199, 841), (206, 874), (221, 955), (229, 1003), (247, 1084), (296, 1219), (303, 1246), (316, 1297), (324, 1330), (393, 1513), (435, 1606), (452, 1645), (457, 1651), (462, 1660), (482, 1699), (524, 1783), (526, 1798), (548, 1858), (559, 1888),

Gene: Firecracker_31 Start: 13153, Stop: 14664, Start Num: 25
Candidate Starts for Firecracker_31:
(Start: 23 @13150 has 17 MA's), (Start: 25 @13153 has 15 MA's), (Start: 103 @13333 has 2 MA's), (134, 13426), (149, 13501), (158, 13534), (165, 13561), (172, 13591), (219, 13744), (221, 13750), (226, 13786), (228, 13795), (250, 13876), (255, 13885), (256, 13888), (269, 13927), (292, 13984), (301, 14020), (302, 14023), (354, 14179), (357, 14188), (383, 14257), (389, 14266), (392, 14272), (408, 14305), (425, 14341), (467, 14428), (480, 14449), (513, 14512), (514, 14515), (517, 14518), (524, 14536), (530, 14557), (544, 14599), (564, 14632), (566, 14635), (573, 14647),

Gene: FlagStaff_2 Start: 359, Stop: 1903, Start Num: 24
Candidate Starts for FlagStaff_2:
(Start: 24 @359 has 31 MA's), (138, 632), (150, 683), (161, 719), (177, 779), (186, 800), (221, 932), (226, 968), (230, 989), (240, 1019), (250, 1058), (255, 1067), (306, 1220), (324, 1298), (346, 1364), (357, 1391), (403, 1490), (457, 1604), (467, 1628), (480, 1649), (506, 1700), (513, 1715), (546, 1808), (576, 1892), (578, 1898),

Gene: Flathead_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Flathead_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (136, 880), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (161, 979), (162, 982), (169, 1021), (178, 1042), (193, 1069), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101),

Gene: ForeverHowLong_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for ForeverHowLong_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: FoulBall_30 Start: 13077, Stop: 14588, Start Num: 25
Candidate Starts for FoulBall_30:
(Start: 23 @13074 has 17 MA's), (Start: 25 @13077 has 15 MA's), (Start: 103 @13257 has 2 MA's), (134, 13350), (149, 13425), (158, 13458), (165, 13485), (172, 13515), (219, 13668), (221, 13674), (226, 13710), (228, 13719), (250, 13800), (255, 13809), (256, 13812), (269, 13851), (292, 13908),

(301, 13944), (302, 13947), (354, 14103), (357, 14112), (383, 14181), (389, 14190), (392, 14196), (408, 14229), (425, 14265), (467, 14352), (480, 14373), (513, 14436), (514, 14439), (517, 14442), (524, 14460), (530, 14481), (544, 14523), (566, 14559), (573, 14571),

Gene: Frankie_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Frankie_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (178, 1042), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Frickyeah_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Frickyeah_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (272, 1411), (289, 1471), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (321, 1603), (343, 1657), (390, 1759), (403, 1786), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (552, 2101), (556, 2113),

Gene: Frosty24_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Frosty24_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Fryberger_34 Start: 9845, Stop: 11251, Start Num: 93
Candidate Starts for Fryberger_34:
(72, 9788), (Start: 93 @9845 has 6 MA's), (133, 9971), (145, 10031), (148, 10040), (170, 10124), (190, 10178), (220, 10304), (222, 10310), (223, 10328), (238, 10394), (245, 10427), (254, 10448), (262, 10481), (276, 10526), (309, 10619), (326, 10697), (349, 10742), (356, 10760), (375, 10823), (378, 10829), (444, 10955), (467, 11000), (477, 11018), (557, 11192),

Gene: G4_3 Start: 956, Stop: 2410, Start Num: 69
Candidate Starts for G4_3:
(Start: 69 @956 has 12 MA's), (71, 959), (Start: 103 @1058 has 2 MA's), (115, 1085), (121, 1112), (123, 1121), (136, 1163), (141, 1178), (148, 1220), (161, 1262), (177, 1322), (186, 1340), (218, 1460), (228, 1517), (231, 1535), (241, 1562), (306, 1760), (307, 1763), (308, 1769), (315, 1802), (355, 1907), (452, 2126), (473, 2165), (575, 2396),

Gene: Ganymede_8 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for Ganymede_8:
(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200, 2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (319, 2465), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: Gengar_6 Start: 1351, Stop: 2778, Start Num: 81
Candidate Starts for Gengar_6:
(26, 1258), (Start: 81 @1351 has 25 MA's), (98, 1408), (Start: 103 @1429 has 2 MA's), (Start: 114 @1453 has 15 MA's), (136, 1537), (139, 1546), (141, 1552), (150, 1594), (155, 1612), (161, 1630), (172, 1681), (206, 1756), (219, 1834), (226, 1876), (228, 1885), (229, 1888), (250, 1966), (294, 2080), (306, 2128), (315, 2170), (319, 2194), (323, 2206), (328, 2233), (353, 2278), (357, 2290), (420, 2437), (440, 2476), (467, 2533), (482, 2557), (494, 2581), (506, 2605), (544, 2704), (546, 2710), (576, 2767),

Gene: Geraldini_8 Start: 1616, Stop: 3037, Start Num: 75
Candidate Starts for Geraldini_8:
(31, 1544), (Start: 69 @1604 has 12 MA's), (Start: 75 @1616 has 172 MA's), (Start: 114 @1727 has 15 MA's), (115, 1733), (136, 1811), (139, 1820), (150, 1868), (155, 1886), (172, 1955), (196, 1997), (200, 2003), (206, 2030), (207, 2033), (226, 2150), (228, 2159), (294, 2354), (306, 2402), (309, 2414), (315, 2444), (319, 2468), (323, 2480), (355, 2558), (357, 2564), (425, 2708), (442, 2741), (467, 2795), (546, 2972), (576, 3026),

Gene: Getalong_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Getalong_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (328, 1636), (343, 1657), (390, 1759), (403, 1786), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Gibbzilla_2 Start: 311, Stop: 1765, Start Num: 69
Candidate Starts for Gibbzilla_2:
(5, 170), (12, 191), (44, 269), (66, 305), (Start: 69 @311 has 12 MA's), (Start: 93 @377 has 6 MA's), (Start: 103 @413 has 2 MA's), (146, 569), (150, 581), (158, 611), (161, 617), (162, 620), (165, 638), (221, 827), (228, 872), (237, 905), (269, 1004), (271, 1010), (298, 1085), (303, 1106), (306, 1115), (347, 1247), (349, 1253), (355, 1268), (378, 1334), (383, 1340), (403, 1379), (423, 1421), (425, 1424), (440, 1454), (467, 1511), (520, 1607), (528, 1637), (550, 1688), (576, 1754),

Gene: Gideon_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Gideon_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Girafales_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Girafales_3:
(52, 660), (Start: 67 @672 has 92 MA's), (109, 789), (Start: 114 @798 has 15 MA's), (116, 807), (136, 882), (137, 885), (139, 891), (147, 936), (148, 939), (154, 960), (160, 978), (193, 1071), (201, 1089), (203, 1092), (206, 1116), (221, 1200), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (246, 1317), (251, 1329), (271, 1404), (281, 1434), (282, 1437), (294, 1482), (307, 1533), (309, 1542), (314, 1569), (321, 1602), (335, 1647), (355, 1680), (468, 1920), (477, 1935), (481, 1941), (494, 1965), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: GodSpeed_2 Start: 359, Stop: 1906, Start Num: 24
Candidate Starts for GodSpeed_2:

(Start: 24 @359 has 31 MA's), (138, 632), (161, 719), (177, 779), (186, 800), (221, 932), (226, 968), (230, 989), (240, 1019), (250, 1058), (255, 1067), (306, 1220), (324, 1298), (336, 1343), (339, 1346), (357, 1394), (365, 1418), (403, 1493), (457, 1607), (467, 1631), (480, 1652), (506, 1703), (512, 1715), (513, 1718), (546, 1811), (576, 1895), (578, 1901),

Gene: GoldenAsh_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for GoldenAsh_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Gomashi_2 Start: 456, Stop: 1892, Start Num: 83
Candidate Starts for Gomashi_2:
(Start: 24 @360 has 31 MA's), (Start: 83 @456 has 46 MA's), (Start: 85 @459 has 4 MA's), (Start: 92 @495 has 1 MA's), (Start: 103 @534 has 2 MA's), (150, 696), (172, 783), (177, 792), (186, 810), (195, 822), (221, 942), (226, 978), (230, 999), (237, 1020), (250, 1068), (255, 1077), (306, 1230), (318, 1290), (324, 1308), (346, 1359), (357, 1386), (361, 1401), (362, 1404), (403, 1485), (421, 1530), (460, 1605), (467, 1623), (480, 1644), (503, 1689), (512, 1707), (513, 1710), (546, 1803), (577, 1884),

Gene: Grizzly_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Grizzly_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (185, 806), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (365, 1409), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Guanica15_8 Start: 1587, Stop: 3011, Start Num: 75
Candidate Starts for Guanica15_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 103 @1674 has 2 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (125, 1743), (136, 1782), (139, 1791), (141, 1797), (150, 1839), (155, 1857), (161, 1875), (172, 1926), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (268, 2259), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (321, 2445), (326, 2466), (357, 2535), (389, 2607), (423, 2676), (425, 2679), (442, 2712), (467, 2766), (482, 2790), (514, 2853), (546, 2943), (576, 3000), (578, 3006),

Gene: Guey18_39 Start: 11038, Stop: 12444, Start Num: 93
Candidate Starts for Guey18_39:
(72, 10981), (Start: 93 @11038 has 6 MA's), (133, 11164), (145, 11224), (148, 11233), (157, 11260), (170, 11317), (190, 11371), (220, 11497), (222, 11503), (223, 11521), (238, 11587), (254, 11641), (262, 11674), (276, 11719), (309, 11812), (326, 11890), (349, 11935), (356, 11953), (375, 12016), (378, 12022), (444, 12148), (467, 12193), (477, 12211), (557, 12385),

Gene: Guillsminger_6 Start: 1326, Stop: 2753, Start Num: 81
Candidate Starts for Guillsminger_6:
(26, 1233), (Start: 81 @1326 has 25 MA's), (98, 1383), (Start: 103 @1404 has 2 MA's), (Start: 114 @1428 has 15 MA's), (136, 1512), (139, 1521), (141, 1527), (150, 1569), (155, 1587), (161, 1605), (172, 1656), (206, 1731), (219, 1809), (226, 1851), (228, 1860), (229, 1863), (250, 1941), (294, 2055), (306, 2103), (315, 2145), (319, 2169), (323, 2181), (328, 2208), (353, 2253), (357, 2265), (420, 2412), (440, 2451), (467, 2508), (482, 2532), (494, 2556), (506, 2580), (544, 2679), (546, 2685), (576, 2742),

Gene: Guntur_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Guntur_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Halo_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Halo_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Hammy_7 Start: 1384, Stop: 2808, Start Num: 75
Candidate Starts for Hammy_7:
(Start: 69 @1372 has 12 MA's), (Start: 75 @1384 has 172 MA's), (Start: 103 @1471 has 2 MA's), (Start: 114 @1495 has 15 MA's), (136, 1579), (139, 1588), (150, 1636), (155, 1654), (161, 1672), (172, 1723), (200, 1771), (226, 1918), (228, 1927), (229, 1930), (237, 1960), (250, 2008), (294, 2122), (309, 2182), (315, 2212), (326, 2263), (333, 2284), (357, 2332), (370, 2374), (389, 2404), (425, 2476), (467, 2563), (546, 2740), (576, 2797), (578, 2803),

Gene: HedwigODU_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for HedwigODU_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Heftyboy_6 Start: 1347, Stop: 2774, Start Num: 81
Candidate Starts for Heftyboy_6:
(26, 1254), (Start: 81 @1347 has 25 MA's), (98, 1404), (Start: 103 @1425 has 2 MA's), (Start: 114 @1449 has 15 MA's), (136, 1533), (139, 1542), (141, 1548), (150, 1590), (155, 1608), (161, 1626), (172, 1677), (206, 1752), (219, 1830), (226, 1872), (228, 1881), (229, 1884), (250, 1962), (294, 2076), (306, 2124), (315, 2166), (319, 2190), (323, 2202), (328, 2229), (353, 2274), (357, 2286), (420, 2433), (440, 2472), (467, 2529), (482, 2553), (494, 2577), (506, 2601), (544, 2700), (546, 2706), (576, 2763),

Gene: Hegedechwinu_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Hegedechwinu_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (136, 880), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (161, 979), (162, 982), (169, 1021), (178, 1042), (193, 1069), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101),

Gene: Holliday_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for Holliday_3:

(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: Homura_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Homura_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Hope_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Hope_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Horus_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Horus_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (Start: 103 @775 has 2 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (116, 808), (127, 847), (130, 853), (137, 886), (146, 934), (147, 937), (150, 946), (160, 979), (161, 982), (169, 1024), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (248, 1324), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (343, 1657), (355, 1681), (390, 1759), (403, 1786), (408, 1795), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (533, 2047), (546, 2089), (552, 2101), (556, 2113), (581, 2182),

Gene: Hotshotbaby7_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Hotshotbaby7_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Hunnie_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Hunnie_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Hurricane_7 Start: 1494, Stop: 2918, Start Num: 75
Candidate Starts for Hurricane_7:

(41, 1455), (Start: 69 @1482 has 12 MA's), (Start: 75 @1494 has 172 MA's), (Start: 103 @1581 has 2 MA's), (Start: 114 @1605 has 15 MA's), (136, 1689), (139, 1698), (150, 1746), (155, 1764), (161, 1782), (172, 1833), (196, 1875), (200, 1881), (206, 1908), (219, 1986), (226, 2028), (228, 2037), (250, 2118), (257, 2136), (294, 2232), (306, 2280), (309, 2292), (315, 2322), (319, 2346), (323, 2358), (357, 2442), (370, 2484), (423, 2583), (425, 2586), (445, 2628), (452, 2643), (457, 2649), (466, 2670), (467, 2673), (546, 2850), (578, 2913),

Gene: Hyperbowlee_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Hyperbowlee_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Idaho_3 Start: 471, Stop: 2039, Start Num: 16
Candidate Starts for Idaho_3:
(Start: 16 @471 has 8 MA's), (Start: 67 @576 has 92 MA's), (112, 684), (Start: 114 @687 has 15 MA's), (149, 825), (168, 900), (169, 903), (171, 909), (173, 915), (182, 927), (186, 936), (201, 969), (219, 1071), (233, 1146), (266, 1260), (272, 1290), (273, 1293), (284, 1317), (295, 1347), (299, 1359), (303, 1377), (309, 1398), (325, 1470), (333, 1503), (355, 1545), (359, 1560), (365, 1572), (380, 1617), (387, 1629), (393, 1644), (403, 1668), (422, 1719), (431, 1737), (450, 1779), (454, 1785), (460, 1794), (523, 1917), (534, 1953), (543, 1983),

Gene: IdentityCrisis_2 Start: 663, Stop: 2147, Start Num: 78
Candidate Starts for IdentityCrisis_2:
(38, 600), (Start: 78 @663 has 5 MA's), (Start: 103 @747 has 2 MA's), (150, 909), (161, 945), (172, 996), (177, 1005), (226, 1191), (230, 1212), (237, 1233), (241, 1245), (250, 1281), (255, 1290), (265, 1353), (306, 1491), (309, 1503), (355, 1644), (357, 1650), (389, 1719), (396, 1737), (411, 1767), (425, 1791), (440, 1821), (457, 1854), (467, 1878), (494, 1932), (506, 1956),

Gene: Idergollasper_30 Start: 13074, Stop: 14588, Start Num: 23
Candidate Starts for Idergollasper_30:
(Start: 23 @13074 has 17 MA's), (Start: 25 @13077 has 15 MA's), (Start: 103 @13257 has 2 MA's), (134, 13350), (149, 13425), (158, 13458), (165, 13485), (172, 13515), (219, 13668), (221, 13674), (226, 13710), (228, 13719), (250, 13800), (255, 13809), (256, 13812), (269, 13851), (292, 13908), (301, 13944), (302, 13947), (354, 14103), (357, 14112), (383, 14181), (389, 14190), (392, 14196), (408, 14229), (425, 14265), (467, 14352), (480, 14373), (513, 14436), (514, 14439), (517, 14442), (524, 14460), (530, 14481), (544, 14523), (566, 14559), (573, 14571),

Gene: Illumine_8 Start: 1604, Stop: 3025, Start Num: 75
Candidate Starts for Illumine_8:
(31, 1532), (Start: 69 @1592 has 12 MA's), (Start: 75 @1604 has 172 MA's), (Start: 114 @1715 has 15 MA's), (115, 1721), (136, 1799), (139, 1808), (150, 1856), (155, 1874), (172, 1943), (196, 1985), (200, 1991), (206, 2018), (207, 2021), (219, 2096), (226, 2138), (228, 2147), (250, 2228), (294, 2342), (306, 2390), (309, 2402), (315, 2432), (319, 2456), (323, 2468), (326, 2483), (357, 2552), (368, 2591), (425, 2696), (442, 2729), (467, 2783), (546, 2960), (576, 3014),

Gene: Imara_31 Start: 13326, Stop: 14837, Start Num: 25
Candidate Starts for Imara_31:
(Start: 23 @13323 has 17 MA's), (Start: 25 @13326 has 15 MA's), (Start: 103 @13506 has 2 MA's), (134, 13599), (149, 13674), (158, 13707), (165, 13734), (172, 13764), (219, 13917), (221, 13923), (226, 13959), (228, 13968), (250, 14049), (255, 14058), (256, 14061), (269, 14100), (292, 14157),

(301, 14193), (302, 14196), (354, 14352), (357, 14361), (383, 14430), (389, 14439), (392, 14445), (408, 14478), (425, 14514), (467, 14601), (480, 14622), (513, 14685), (514, 14688), (517, 14691), (524, 14709), (530, 14730), (544, 14772), (566, 14808), (573, 14820),

Gene: InLimbo_2 Start: 312, Stop: 1757, Start Num: 54
Candidate Starts for InLimbo_2:
(Start: 54 @312 has 1 MA's), (Start: 91 @375 has 6 MA's), (127, 486), (161, 615), (177, 675), (200, 714), (217, 804), (223, 846), (228, 870), (233, 894), (237, 903), (240, 912), (241, 915), (285, 1041), (315, 1158), (343, 1239), (355, 1266), (357, 1272), (389, 1341), (410, 1383), (423, 1410), (432, 1425), (445, 1455), (452, 1470), (457, 1476), (467, 1500), (506, 1575), (514, 1590), (544, 1674), (546, 1680), (550, 1686), (552, 1692), (554, 1695),

Gene: Inky_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Inky_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Inspire2_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Inspire2_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: InvictusManeo_6 Start: 1331, Stop: 2758, Start Num: 81
Candidate Starts for InvictusManeo_6:
(Start: 81 @1331 has 25 MA's), (98, 1388), (Start: 103 @1409 has 2 MA's), (Start: 114 @1433 has 15 MA's), (136, 1517), (139, 1526), (141, 1532), (150, 1574), (155, 1592), (161, 1610), (172, 1661), (195, 1700), (206, 1736), (219, 1814), (226, 1856), (228, 1865), (229, 1868), (250, 1946), (294, 2060), (306, 2108), (309, 2120), (315, 2150), (323, 2186), (328, 2213), (357, 2270), (389, 2354), (400, 2378), (440, 2456), (467, 2513), (482, 2537), (494, 2561), (546, 2690), (576, 2747),

Gene: JAWS_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for JAWS_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: JF1_9 Start: 2465, Stop: 3910, Start Num: 75
Candidate Starts for JF1_9:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Jabbawokkie_4 Start: 1187, Stop: 2707, Start Num: 67

Candidate Starts for Jabbawokkie_4:
(52, 1175), (Start: 67 @1187 has 92 MA's), (Start: 114 @1313 has 15 MA's), (116, 1322), (130, 1367), (136, 1397), (137, 1400), (139, 1406), (147, 1451), (154, 1475), (161, 1496), (169, 1538), (178, 1559), (193, 1586), (201, 1604), (203, 1607), (206, 1631), (212, 1658), (221, 1715), (226, 1751), (228, 1760), (230, 1772), (231, 1778), (237, 1793), (241, 1805), (248, 1838), (251, 1844), (260, 1880), (261, 1889), (271, 1919), (281, 1949), (282, 1952), (307, 2048), (309, 2057), (314, 2084), (340, 2168), (349, 2183), (397, 2294), (403, 2303), (408, 2312), (440, 2375), (477, 2450), (484, 2462), (494, 2480), (513, 2516), (530, 2558), (533, 2564), (546, 2606), (552, 2618), (556, 2630), (580, 2696),

Gene: JalFarm20_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for JalFarm20_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Jane_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Jane_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: JangDynasty_30 Start: 13169, Stop: 14683, Start Num: 23
Candidate Starts for JangDynasty_30:
(Start: 23 @13169 has 17 MA's), (Start: 25 @13172 has 15 MA's), (Start: 103 @13352 has 2 MA's), (134, 13445), (149, 13520), (158, 13553), (165, 13580), (172, 13610), (219, 13763), (221, 13769), (226, 13805), (228, 13814), (250, 13895), (255, 13904), (256, 13907), (269, 13946), (292, 14003), (301, 14039), (302, 14042), (354, 14198), (357, 14207), (383, 14276), (389, 14285), (392, 14291), (408, 14324), (425, 14360), (467, 14447), (480, 14468), (513, 14531), (514, 14534), (517, 14537), (524, 14555), (530, 14576), (544, 14618), (566, 14654), (573, 14666),

Gene: Jarvi_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Jarvi_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Jayhawk_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Jayhawk_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: JeanClaude_2 Start: 371, Stop: 1759, Start Num: 91

Candidate Starts for JeanClaude_2:
(5, 170), (6, 173), (10, 185), (37, 257), (Start: 69 @311 has 12 MA's), (Start: 91 @371 has 6 MA's), (98, 392), (Start: 103 @413 has 2 MA's), (117, 446), (127, 482), (139, 527), (140, 530), (145, 566), (150, 581), (158, 611), (165, 638), (200, 716), (228, 872), (229, 875), (259, 980), (303, 1106), (306, 1115), (353, 1256), (355, 1262), (357, 1268), (378, 1328), (383, 1334), (403, 1373), (415, 1400), (420, 1409), (460, 1487), (467, 1505), (498, 1562), (550, 1682), (558, 1703), (576, 1748),

Gene: Jeckyll_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Jeckyll_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Jeilious_2 Start: 454, Stop: 1890, Start Num: 83
Candidate Starts for Jeilious_2:
(Start: 24 @358 has 31 MA's), (Start: 83 @454 has 46 MA's), (Start: 85 @457 has 4 MA's), (Start: 92 @493 has 1 MA's), (Start: 103 @532 has 2 MA's), (150, 694), (172, 781), (177, 790), (186, 808), (195, 820), (221, 940), (226, 976), (230, 997), (237, 1018), (250, 1066), (255, 1075), (306, 1228), (318, 1288), (324, 1306), (346, 1357), (357, 1384), (361, 1399), (362, 1402), (403, 1483), (421, 1528), (460, 1603), (467, 1621), (480, 1642), (503, 1687), (512, 1705), (513, 1708), (546, 1801), (577, 1882),

Gene: Jessica_5 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Jessica_5:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Job42_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Job42_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (449, 1879), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Jolene_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Jolene_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Jolie2_2 Start: 376, Stop: 1950, Start Num: 24
Candidate Starts for Jolie2_2:
(Start: 24 @376 has 31 MA's), (98, 544), (161, 763), (172, 814), (177, 823), (188, 853), (203, 865), (212, 916), (221, 973), (226, 1009), (230, 1030), (238, 1054), (250, 1099), (255, 1108), (306, 1261),

(324, 1339), (336, 1384), (357, 1435), (403, 1534), (408, 1543), (440, 1615), (445, 1627), (452, 1642), (457, 1648), (460, 1654), (466, 1669), (467, 1672), (480, 1693), (503, 1750), (506, 1756), (512, 1768), (513, 1771), (544, 1858), (576, 1939), (578, 1945),

Gene: Jonghyun_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Jonghyun_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: JorRay_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for JorRay_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Joy99_8 Start: 1563, Stop: 2987, Start Num: 75
Candidate Starts for Joy99_8:
(31, 1491), (Start: 69 @1551 has 12 MA's), (Start: 75 @1563 has 172 MA's), (Start: 114 @1674 has 15 MA's), (115, 1680), (136, 1758), (139, 1767), (150, 1815), (155, 1833), (172, 1902), (196, 1944), (200, 1950), (206, 1977), (207, 1980), (226, 2097), (228, 2106), (250, 2187), (294, 2301), (306, 2349), (309, 2361), (315, 2391), (319, 2415), (323, 2427), (326, 2442), (355, 2505), (357, 2511), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: Juice456_3 Start: 797, Stop: 2158, Start Num: 114
Candidate Starts for Juice456_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (136, 881), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (161, 980), (162, 983), (169, 1022), (178, 1043), (193, 1070), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: Juliette_9 Start: 2575, Stop: 3915, Start Num: 114
Candidate Starts for Juliette_9:
(Start: 75 @2470 has 172 MA's), (Start: 114 @2575 has 15 MA's), (136, 2659), (139, 2668), (150, 2716), (161, 2758), (172, 2809), (181, 2827), (200, 2857), (206, 2884), (219, 2962), (226, 3004), (228, 3013), (229, 3016), (250, 3094), (255, 3103), (268, 3142), (294, 3208), (306, 3256), (315, 3298), (319, 3322), (357, 3415), (369, 3457), (389, 3502), (423, 3571), (445, 3616), (452, 3631), (457, 3637), (467, 3661), (546, 3838), (576, 3904), (578, 3910),

Gene: KNG13_4 Start: 607, Stop: 2163, Start Num: 16
Candidate Starts for KNG13_4:
(Start: 16 @607 has 8 MA's), (22, 619), (43, 658), (Start: 67 @700 has 92 MA's), (68, 703), (Start: 87 @730 has 5 MA's), (112, 811), (115, 820), (121, 847), (139, 901), (141, 907), (168, 1027), (169, 1030), (171, 1036), (173, 1042), (175, 1045), (186, 1063), (233, 1273), (266, 1387), (267, 1390), (272, 1417), (273, 1420), (284, 1444), (286, 1453), (303, 1504), (309, 1525), (325, 1597), (331, 1621), (355, 1672), (359, 1687), (365, 1699), (380, 1744), (387, 1756), (471, 1948), (475, 1954), (541, 2101), (543, 2110),

(546, 2119),

Gene: Kamaru_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for Kamaru_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: Kareem_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Kareem_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Kasen3_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Kasen3_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Keelan_32 Start: 9783, Stop: 11189, Start Num: 93
Candidate Starts for Keelan_32:
(72, 9726), (Start: 84 @9747 has 1 MA's), (Start: 93 @9783 has 6 MA's), (97, 9795), (145, 9969), (148, 9978), (157, 10005), (170, 10062), (190, 10116), (220, 10242), (222, 10248), (223, 10266), (228, 10290), (276, 10464), (300, 10521), (309, 10557), (326, 10635), (356, 10698), (375, 10761), (395, 10800), (444, 10893), (467, 10938), (477, 10956), (485, 10971),

Gene: Keiki_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Keiki_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (327, 1314), (349, 1356), (363, 1398), (391, 1467), (398, 1485), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (459, 1602), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (557, 1827), (575, 1875), (577, 1881),

Gene: Kels_2 Start: 349, Stop: 1851, Start Num: 57
Candidate Starts for Kels_2:
(Start: 57 @349 has 4 MA's), (65, 373), (118, 508), (119, 520), (121, 526), (123, 535), (143, 598), (146, 628), (149, 637), (154, 655), (194, 754), (199, 766), (206, 799), (221, 880), (229, 928), (247, 1009), (296, 1144), (313, 1210), (316, 1222), (324, 1255), (328, 1279), (380, 1411), (393, 1438), (435, 1531), (476, 1615), (482, 1624), (524, 1708), (526, 1723), (548, 1783), (559, 1813),

Gene: Kenna_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Kenna_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (Start: 103 @775 has 2 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (116, 808), (127, 847), (130, 853), (137, 886), (146, 934), (147, 937), (150, 946), (160, 979), (161, 982), (169, 1024), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (248, 1324), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (343, 1657), (355, 1681), (390, 1759), (403, 1786), (408, 1795), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (533, 2047), (546, 2089), (552, 2101), (556, 2113), (581, 2182),

Gene: Keshu_7 Start: 1473, Stop: 2897, Start Num: 75
Candidate Starts for Keshu_7:
(41, 1434), (Start: 69 @1461 has 12 MA's), (Start: 75 @1473 has 172 MA's), (Start: 103 @1560 has 2 MA's), (Start: 114 @1584 has 15 MA's), (136, 1668), (139, 1677), (150, 1725), (155, 1743), (161, 1761), (172, 1812), (196, 1854), (200, 1860), (206, 1887), (219, 1965), (226, 2007), (228, 2016), (250, 2097), (257, 2115), (294, 2211), (306, 2259), (309, 2271), (315, 2301), (319, 2325), (323, 2337), (357, 2421), (370, 2463), (423, 2562), (425, 2565), (445, 2607), (452, 2622), (457, 2628), (466, 2649), (467, 2652), (546, 2829), (578, 2892),

Gene: Kheparia_9 Start: 1583, Stop: 3004, Start Num: 75
Candidate Starts for Kheparia_9:
(31, 1511), (Start: 69 @1571 has 12 MA's), (Start: 75 @1583 has 172 MA's), (Start: 114 @1694 has 15 MA's), (115, 1700), (136, 1778), (139, 1787), (150, 1835), (155, 1853), (172, 1922), (196, 1964), (200, 1970), (206, 1997), (207, 2000), (226, 2117), (228, 2126), (250, 2207), (294, 2321), (306, 2369), (309, 2381), (315, 2411), (319, 2435), (323, 2447), (357, 2531), (425, 2675), (442, 2708), (467, 2762), (546, 2939), (576, 2993),

Gene: KiSi_7 Start: 1481, Stop: 2905, Start Num: 75
Candidate Starts for KiSi_7:
(Start: 75 @1481 has 172 MA's), (Start: 103 @1568 has 2 MA's), (Start: 114 @1592 has 15 MA's), (115, 1598), (136, 1676), (139, 1685), (150, 1733), (155, 1751), (161, 1769), (172, 1820), (195, 1859), (206, 1895), (219, 1973), (226, 2015), (228, 2024), (250, 2105), (294, 2219), (304, 2261), (306, 2267), (309, 2279), (315, 2309), (319, 2333), (323, 2345), (326, 2360), (357, 2429), (370, 2471), (423, 2570), (440, 2603), (442, 2606), (460, 2642), (467, 2660), (550, 2843), (576, 2894),

Gene: Kimberlium_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Kimberlium_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (136, 881), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (161, 980), (162, 983), (169, 1022), (178, 1043), (193, 1070), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: KingPhillip3_30 Start: 13077, Stop: 14588, Start Num: 25
Candidate Starts for KingPhillip3_30:
(Start: 23 @13074 has 17 MA's), (Start: 25 @13077 has 15 MA's), (Start: 103 @13257 has 2 MA's), (134, 13350), (149, 13425), (158, 13458), (165, 13485), (172, 13515), (219, 13668), (221, 13674), (226, 13710), (228, 13719), (250, 13800), (255, 13809), (256, 13812), (269, 13851), (292, 13908), (301, 13944), (302, 13947), (354, 14103), (357, 14112), (383, 14181), (389, 14190), (392, 14196), (408, 14229), (425, 14265), (467, 14352), (480, 14373), (513, 14436), (514, 14439), (517, 14442), (524, 14460), (530, 14481), (544, 14523), (566, 14559), (573, 14571),

Gene: Kingsley_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Kingsley_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Kratio_5 Start: 1088, Stop: 2515, Start Num: 81
Candidate Starts for Kratio_5:
(Start: 81 @1088 has 25 MA's), (98, 1145), (Start: 103 @1166 has 2 MA's), (Start: 114 @1190 has 15 MA's), (136, 1274), (139, 1283), (141, 1289), (150, 1331), (155, 1349), (161, 1367), (172, 1418), (195, 1457), (206, 1493), (219, 1571), (226, 1613), (228, 1622), (229, 1625), (250, 1703), (294, 1817), (306, 1865), (309, 1877), (315, 1907), (323, 1943), (328, 1970), (357, 2027), (389, 2111), (400, 2135), (440, 2213), (467, 2270), (482, 2294), (494, 2318), (546, 2447), (576, 2504),

Gene: Kraw_9 Start: 2465, Stop: 3910, Start Num: 75
Candidate Starts for Kraw_9:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Krili_30 Start: 13244, Stop: 14758, Start Num: 23
Candidate Starts for Krili_30:
(Start: 23 @13244 has 17 MA's), (Start: 25 @13247 has 15 MA's), (Start: 103 @13427 has 2 MA's), (134, 13520), (149, 13595), (158, 13628), (165, 13655), (172, 13685), (219, 13838), (221, 13844), (226, 13880), (228, 13889), (250, 13970), (255, 13979), (256, 13982), (269, 14021), (292, 14078), (301, 14114), (302, 14117), (354, 14273), (357, 14282), (383, 14351), (389, 14360), (392, 14366), (408, 14399), (425, 14435), (467, 14522), (480, 14543), (513, 14606), (514, 14609), (517, 14612), (524, 14630), (530, 14651), (544, 14693), (566, 14729), (573, 14741),

Gene: Krueger_7 Start: 1519, Stop: 2946, Start Num: 75
Candidate Starts for Krueger_7:
(Start: 75 @1519 has 172 MA's), (Start: 103 @1609 has 2 MA's), (Start: 114 @1633 has 15 MA's), (115, 1639), (136, 1717), (139, 1726), (150, 1774), (155, 1792), (172, 1861), (195, 1900), (200, 1909), (206, 1936), (207, 1939), (219, 2014), (226, 2056), (228, 2065), (250, 2146), (268, 2194), (294, 2260), (304, 2302), (306, 2308), (309, 2320), (310, 2326), (315, 2350), (319, 2374), (321, 2380), (326, 2401), (357, 2470), (370, 2512), (420, 2605), (423, 2611), (425, 2614), (442, 2647), (457, 2677), (467, 2701), (494, 2749), (546, 2878), (576, 2935), (578, 2941),

Gene: Kubed_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Kubed_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (363, 1398), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (441,

1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: Kumotta_3 Start: 1020, Stop: 2465, Start Num: 78
Candidate Starts for Kumotta_3:
(Start: 78 @1020 has 5 MA's), (116, 1125), (139, 1203), (141, 1209), (226, 1545), (228, 1554), (230, 1566), (240, 1596), (241, 1599), (250, 1635), (290, 1755), (298, 1782), (306, 1812), (347, 1941), (355, 1962), (357, 1968), (358, 1974), (360, 1980), (367, 1998), (425, 2118), (438, 2145), (469, 2208), (486, 2238), (514, 2292), (524, 2313), (576, 2454),

Gene: KylieMac_5 Start: 787, Stop: 2277, Start Num: 63
Candidate Starts for KylieMac_5:
(Start: 63 @787 has 39 MA's), (Start: 87 @832 has 5 MA's), (118, 934), (123, 961), (139, 1012), (143, 1024), (146, 1054), (150, 1066), (154, 1081), (171, 1147), (199, 1192), (216, 1279), (220, 1303), (221, 1306), (222, 1309), (229, 1354), (234, 1378), (236, 1387), (263, 1453), (273, 1516), (279, 1528), (296, 1570), (301, 1588), (316, 1648), (328, 1705), (334, 1717), (348, 1741), (355, 1759), (380, 1837), (405, 1891), (428, 1945), (435, 1957), (439, 1966), (476, 2041), (482, 2050), (495, 2077), (524, 2134), (541, 2188), (569, 2260),

Gene: Laila_5 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Laila_5:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296, 1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: Larva_6 Start: 1090, Stop: 2517, Start Num: 81
Candidate Starts for Larva_6:
(Start: 81 @1090 has 25 MA's), (98, 1147), (Start: 103 @1168 has 2 MA's), (Start: 114 @1192 has 15 MA's), (136, 1276), (139, 1285), (141, 1291), (155, 1351), (161, 1369), (172, 1420), (195, 1459), (219, 1573), (226, 1615), (228, 1624), (229, 1627), (250, 1705), (294, 1819), (306, 1867), (309, 1879), (315, 1909), (323, 1945), (328, 1972), (357, 2029), (389, 2113), (400, 2137), (440, 2215), (467, 2272), (482, 2296), (494, 2320), (546, 2449), (576, 2506),

Gene: LastHope_8 Start: 1617, Stop: 3041, Start Num: 75
Candidate Starts for LastHope_8:
(26, 1533), (Start: 75 @1617 has 172 MA's), (Start: 103 @1704 has 2 MA's), (Start: 114 @1728 has 15 MA's), (115, 1734), (125, 1773), (136, 1812), (139, 1821), (141, 1827), (150, 1869), (155, 1887), (161, 1905), (172, 1956), (195, 1995), (200, 2004), (206, 2031), (207, 2034), (226, 2151), (228, 2160), (268, 2289), (294, 2355), (306, 2403), (309, 2415), (315, 2445), (319, 2469), (357, 2565), (423, 2706), (425, 2709), (442, 2742), (457, 2772), (467, 2796), (514, 2883), (546, 2973), (576, 3030), (578, 3036),

Gene: LaterM_8 Start: 1568, Stop: 2989, Start Num: 75
Candidate Starts for LaterM_8:
(31, 1496), (Start: 69 @1556 has 12 MA's), (Start: 75 @1568 has 172 MA's), (Start: 114 @1679 has 15 MA's), (115, 1685), (136, 1763), (139, 1772), (150, 1820), (155, 1838), (161, 1856), (172, 1907), (196, 1949), (200, 1955), (206, 1982), (207, 1985), (219, 2060), (226, 2102), (228, 2111), (250, 2192), (294, 2306), (306, 2354), (309, 2366), (315, 2396), (319, 2420), (323, 2432), (326, 2447), (357, 2516), (425, 2660), (442, 2693), (467, 2747), (546, 2924), (576, 2978),

Gene: LauKoruNamu_3 Start: 437, Stop: 1996, Start Num: 16

Candidate Starts for LauKoruNamu_3:
(Start: 8 @419 has 1 MA's), (Start: 16 @437 has 8 MA's), (Start: 67 @533 has 92 MA's), (68, 536), (Start: 87 @563 has 5 MA's), (112, 644), (115, 653), (121, 680), (139, 734), (141, 740), (149, 785), (168, 860), (169, 863), (171, 869), (173, 875), (175, 878), (186, 896), (201, 929), (219, 1031), (233, 1106), (239, 1130), (266, 1220), (267, 1223), (272, 1250), (273, 1253), (284, 1277), (286, 1286), (303, 1337), (309, 1358), (316, 1394), (325, 1430), (331, 1454), (355, 1505), (359, 1520), (365, 1532), (380, 1577), (387, 1589), (446, 1730), (471, 1781), (475, 1787), (541, 1934), (543, 1943), (546, 1952),

Gene: Lauchelly_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Lauchelly_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (256, 1053), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (448, 1584), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (550, 1812), (557, 1827), (560, 1833), (575, 1875), (577, 1881),

Gene: Lavahound_6 Start: 1181, Stop: 2605, Start Num: 75
Candidate Starts for Lavahound_6:
(26, 1097), (Start: 69 @1169 has 12 MA's), (Start: 75 @1181 has 172 MA's), (Start: 103 @1268 has 2 MA's), (Start: 114 @1292 has 15 MA's), (136, 1376), (139, 1385), (150, 1433), (155, 1451), (161, 1469), (172, 1520), (206, 1595), (207, 1598), (226, 1715), (228, 1724), (229, 1727), (237, 1757), (250, 1805), (294, 1919), (306, 1967), (309, 1979), (315, 2009), (319, 2033), (324, 2048), (326, 2060), (357, 2129), (370, 2171), (389, 2201), (425, 2273), (442, 2306), (445, 2315), (467, 2360), (576, 2594), (578, 2600),

Gene: LeMond_7 Start: 1481, Stop: 2905, Start Num: 75
Candidate Starts for LeMond_7:
(Start: 75 @1481 has 172 MA's), (Start: 103 @1568 has 2 MA's), (Start: 114 @1592 has 15 MA's), (115, 1598), (136, 1676), (139, 1685), (141, 1691), (150, 1733), (155, 1751), (161, 1769), (172, 1820), (195, 1859), (206, 1895), (219, 1973), (226, 2015), (228, 2024), (250, 2105), (294, 2219), (304, 2261), (306, 2267), (309, 2279), (315, 2309), (319, 2333), (323, 2345), (326, 2360), (357, 2429), (370, 2471), (423, 2570), (440, 2603), (442, 2606), (460, 2642), (467, 2660), (576, 2894),

Gene: Lea83_7 Start: 1488, Stop: 2912, Start Num: 75
Candidate Starts for Lea83_7:
(Start: 69 @1476 has 12 MA's), (Start: 75 @1488 has 172 MA's), (Start: 103 @1575 has 2 MA's), (Start: 114 @1599 has 15 MA's), (136, 1683), (139, 1692), (150, 1740), (155, 1758), (161, 1776), (172, 1827), (196, 1869), (200, 1875), (206, 1902), (219, 1980), (226, 2022), (228, 2031), (250, 2112), (257, 2130), (294, 2226), (306, 2274), (309, 2286), (315, 2316), (319, 2340), (323, 2352), (357, 2436), (370, 2478), (423, 2577), (425, 2580), (445, 2622), (452, 2637), (457, 2643), (466, 2664), (467, 2667), (546, 2844), (578, 2907),

Gene: Lebo14_9 Start: 2478, Stop: 3923, Start Num: 75
Candidate Starts for Lebo14_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (226, 3012), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3912), (578, 3918),

Gene: Lemuria_2 Start: 376, Stop: 1959, Start Num: 24
Candidate Starts for Lemuria_2:
(Start: 24 @376 has 31 MA's), (98, 553), (138, 685), (161, 772), (172, 823), (177, 832), (188, 862), (203, 874), (212, 925), (221, 982), (226, 1018), (230, 1039), (250, 1108), (255, 1117), (306, 1270), (336, 1393), (357, 1444), (408, 1552), (425, 1594), (440, 1624), (445, 1636), (452, 1651), (466, 1678), (467, 1681), (480, 1702), (503, 1759), (506, 1765), (512, 1777), (513, 1780), (576, 1948), (578, 1954),

Gene: Leozinho_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Leozinho_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Leroy_3 Start: 674, Stop: 2191, Start Num: 67
Candidate Starts for Leroy_3:
(Start: 54 @665 has 1 MA's), (Start: 67 @674 has 92 MA's), (109, 791), (Start: 114 @800 has 15 MA's), (116, 809), (130, 854), (137, 887), (147, 938), (150, 947), (161, 983), (169, 1025), (178, 1046), (185, 1058), (193, 1073), (201, 1091), (203, 1094), (204, 1097), (206, 1118), (212, 1145), (221, 1202), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (246, 1319), (251, 1331), (272, 1412), (294, 1484), (300, 1508), (309, 1544), (314, 1571), (321, 1604), (343, 1658), (390, 1760), (403, 1787), (477, 1934), (484, 1946), (494, 1964), (530, 2042), (531, 2045), (533, 2048), (552, 2102), (556, 2114),

Gene: Leston_6 Start: 1351, Stop: 2778, Start Num: 81
Candidate Starts for Leston_6:
(26, 1258), (Start: 81 @1351 has 25 MA's), (98, 1408), (Start: 103 @1429 has 2 MA's), (Start: 114 @1453 has 15 MA's), (136, 1537), (139, 1546), (141, 1552), (150, 1594), (155, 1612), (161, 1630), (172, 1681), (206, 1756), (219, 1834), (226, 1876), (228, 1885), (229, 1888), (250, 1966), (294, 2080), (306, 2128), (315, 2170), (319, 2194), (323, 2206), (328, 2233), (353, 2278), (357, 2290), (420, 2437), (440, 2476), (467, 2533), (482, 2557), (494, 2581), (506, 2605), (544, 2704), (546, 2710), (576, 2767),

Gene: Leviosa_2 Start: 380, Stop: 1891, Start Num: 80
Candidate Starts for Leviosa_2:
(Start: 80 @380 has 40 MA's), (Start: 92 @419 has 1 MA's), (98, 437), (115, 482), (121, 509), (122, 512), (136, 560), (139, 569), (141, 575), (149, 614), (151, 620), (162, 653), (165, 671), (170, 695), (172, 701), (187, 740), (189, 749), (191, 752), (201, 791), (202, 794), (211, 854), (214, 863), (220, 908), (221, 911), (223, 932), (226, 947), (228, 956), (230, 968), (244, 1028), (249, 1043), (250, 1046), (252, 1049), (259, 1070), (297, 1181), (303, 1208), (309, 1229), (323, 1295), (327, 1316), (343, 1346), (349, 1358), (363, 1400), (391, 1469), (394, 1478), (409, 1505), (421, 1532), (433, 1553), (434, 1556), (435, 1559), (441, 1571), (448, 1586), (457, 1601), (459, 1604), (468, 1628), (506, 1706), (507, 1709), (513, 1721), (543, 1799), (550, 1814), (560, 1835), (575, 1877), (577, 1883),

Gene: Liefie_2 Start: 454, Stop: 1890, Start Num: 83
Candidate Starts for Liefie_2:
(Start: 24 @358 has 31 MA's), (Start: 83 @454 has 46 MA's), (Start: 85 @457 has 4 MA's), (Start: 92 @493 has 1 MA's), (Start: 103 @532 has 2 MA's), (150, 694), (172, 781), (177, 790), (186, 808), (195, 820), (221, 940), (226, 976), (230, 997), (237, 1018), (250, 1066), (255, 1075), (306, 1228), (318, 1288), (324, 1306), (346, 1357), (357, 1384), (361, 1399), (362, 1402), (365, 1408), (403, 1483), (421, 1528), (460, 1603), (467, 1621), (480, 1642), (503, 1687), (512, 1705), (513, 1708), (546, 1801), (550, 1807), (577, 1882),

Gene: LilBandit_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for LilBandit_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (382, 1452), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: LilDirt_5 Start: 1089, Stop: 2516, Start Num: 81
Candidate Starts for LilDirt_5:
(Start: 81 @1089 has 25 MA's), (98, 1146), (Start: 103 @1167 has 2 MA's), (Start: 114 @1191 has 15 MA's), (136, 1275), (139, 1284), (141, 1290), (155, 1350), (161, 1368), (172, 1419), (195, 1458), (219, 1572), (226, 1614), (228, 1623), (229, 1626), (250, 1704), (294, 1818), (306, 1866), (309, 1878), (315, 1908), (323, 1944), (328, 1971), (357, 2028), (389, 2112), (400, 2136), (440, 2214), (467, 2271), (482, 2295), (494, 2319), (546, 2448), (576, 2505),

Gene: LilPharaoh_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for LilPharaoh_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: LilSpotty_2 Start: 328, Stop: 1785, Start Num: 34
Candidate Starts for LilSpotty_2:
(7, 259), (13, 274), (17, 283), (Start: 34 @328 has 1 MA's), (Start: 91 @424 has 6 MA's), (Start: 92 @427 has 1 MA's), (Start: 113 @487 has 3 MA's), (123, 529), (127, 535), (144, 598), (152, 637), (154, 643), (158, 658), (164, 682), (174, 718), (177, 724), (218, 862), (219, 868), (221, 874), (223, 895), (228, 919), (231, 937), (240, 961), (241, 964), (272, 1063), (285, 1090), (303, 1153), (304, 1156), (328, 1264), (365, 1333), (366, 1336), (383, 1369), (394, 1390), (399, 1402), (401, 1405), (420, 1441), (421, 1444), (423, 1447), (442, 1480), (452, 1504), (507, 1609), (527, 1657), (535, 1678), (538, 1684), (544, 1702), (546, 1708), (549, 1711), (550, 1714), (563, 1738), (571, 1762), (576, 1774),

Gene: LindNT_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for LindNT_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (355, 2504), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: Link_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Link_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (112, 929), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428,

1958), (435, 1970), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: LitninMcQueen_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for LitninMcQueen_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: LittleShirley_3 Start: 798, Stop: 2159, Start Num: 114
Candidate Starts for LittleShirley_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Llorens_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Llorens_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Lokum_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Lokum_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: LordVader_3 Start: 666, Stop: 2153, Start Num: 67
Candidate Starts for LordVader_3:
(52, 654), (Start: 67 @666 has 92 MA's), (Start: 114 @792 has 15 MA's), (116, 801), (137, 879), (139, 885), (147, 930), (148, 933), (160, 972), (162, 978), (193, 1065), (203, 1086), (221, 1194), (228, 1239), (230, 1251), (237, 1272), (241, 1284), (248, 1317), (251, 1323), (269, 1392), (271, 1398), (282, 1431), (307, 1527), (309, 1536), (314, 1563), (335, 1641), (355, 1674), (374, 1737), (403, 1782), (440, 1854), (460, 1893), (477, 1929), (481, 1935), (494, 1959), (510, 1989), (513, 1995), (530, 2037), (531, 2040), (533, 2043), (546, 2085), (552, 2097), (556, 2109),

Gene: Lorde_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Lorde_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397),

(271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Lore_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Lore_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296, 1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: LouisV14_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for LouisV14_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: LouisXIV_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for LouisXIV_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Lton_2 Start: 501, Stop: 1940, Start Num: 92
Candidate Starts for Lton_2:
(15, 336), (39, 399), (59, 426), (61, 429), (62, 432), (Start: 69 @441 has 12 MA's), (Start: 92 @501 has 1 MA's), (101, 528), (Start: 103 @540 has 2 MA's), (107, 552), (130, 615), (136, 645), (139, 654), (140, 657), (144, 678), (161, 744), (162, 747), (172, 795), (177, 804), (178, 807), (212, 915), (217, 951), (221, 972), (224, 999), (228, 1017), (229, 1020), (238, 1062), (241, 1071), (259, 1134), (269, 1158), (271, 1164), (289, 1209), (303, 1260), (306, 1269), (307, 1272), (314, 1311), (315, 1314), (322, 1344), (355, 1416), (357, 1422), (383, 1494), (386, 1497), (404, 1530), (430, 1596), (433, 1599), (464, 1662), (482, 1692), (497, 1731), (499, 1734), (508, 1758), (515, 1770), (518, 1773), (541, 1839), (543, 1848), (544, 1851), (546, 1857), (550, 1863), (576, 1929),

Gene: Lucia_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Lucia_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Lucky10_2 Start: 313, Stop: 1758, Start Num: 54
Candidate Starts for Lucky10_2:

(Start: 54 @313 has 1 MA's), (125, 484), (161, 616), (177, 676), (200, 715), (212, 769), (217, 805), (221, 826), (223, 847), (228, 871), (233, 895), (237, 904), (240, 913), (241, 916), (285, 1042), (304, 1108), (343, 1240), (346, 1246), (355, 1267), (357, 1273), (389, 1342), (410, 1384), (423, 1411), (452, 1471), (457, 1477), (467, 1501), (514, 1591), (544, 1675), (546, 1681), (550, 1687), (554, 1696),

Gene: Lunahalos_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Lunahalos_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Lutum_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Lutum_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (Start: 103 @775 has 2 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (116, 808), (127, 847), (130, 853), (137, 886), (146, 934), (147, 937), (150, 946), (160, 979), (161, 982), (169, 1024), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (248, 1324), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (343, 1657), (355, 1681), (390, 1759), (403, 1786), (408, 1795), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (533, 2047), (546, 2089), (552, 2101), (556, 2113), (581, 2182),

Gene: MEAK_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for MEAK_2:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (280, 1138), (287, 1150), (300, 1186), (303, 1201), (309, 1222), (349, 1351), (363, 1393), (391, 1462), (409, 1498), (421, 1525), (433, 1546), (435, 1552), (459, 1597), (465, 1615), (468, 1621), (490, 1666), (506, 1699), (507, 1702), (513, 1714), (543, 1792), (546, 1801), (564, 1837), (575, 1870), (577, 1876),

Gene: MOOREtheMARYer_2 Start: 351, Stop: 1937, Start Num: 24
Candidate Starts for MOOREtheMARYer_2:
(4, 288), (17, 336), (Start: 24 @351 has 31 MA's), (Start: 69 @438 has 12 MA's), (Start: 83 @462 has 46 MA's), (Start: 91 @498 has 6 MA's), (98, 519), (161, 738), (177, 798), (221, 963), (226, 999), (230, 1020), (238, 1044), (240, 1050), (250, 1089), (255, 1098), (306, 1251), (323, 1326), (357, 1425), (425, 1575), (447, 1620), (480, 1683), (506, 1734), (513, 1749), (546, 1842), (556, 1866), (565, 1884), (577, 1929),

Gene: MZKinsey_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for MZKinsey_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: MacKat_8 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for MacKat_8:

(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200, 2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (319, 2465), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: MacnCheese_8 Start: 1694, Stop: 3127, Start Num: 75
Candidate Starts for MacnCheese_8:
(41, 1655), (Start: 69 @1682 has 12 MA's), (Start: 75 @1694 has 172 MA's), (98, 1760), (Start: 103 @1781 has 2 MA's), (Start: 114 @1805 has 15 MA's), (136, 1889), (139, 1898), (150, 1946), (155, 1964), (161, 1982), (165, 2003), (172, 2033), (206, 2108), (219, 2186), (226, 2228), (228, 2237), (250, 2318), (257, 2336), (294, 2432), (306, 2480), (309, 2492), (315, 2522), (319, 2546), (323, 2558), (357, 2642), (423, 2792), (425, 2795), (452, 2852), (457, 2858), (466, 2879), (467, 2882), (546, 3059), (552, 3071), (578, 3122),

Gene: MadKillah_32 Start: 13466, Stop: 14977, Start Num: 25
Candidate Starts for MadKillah_32:
(Start: 23 @13463 has 17 MA's), (Start: 25 @13466 has 15 MA's), (Start: 103 @13646 has 2 MA's), (134, 13739), (149, 13814), (158, 13847), (165, 13874), (172, 13904), (219, 14057), (221, 14063), (226, 14099), (228, 14108), (250, 14189), (255, 14198), (256, 14201), (269, 14240), (292, 14297), (301, 14333), (302, 14336), (354, 14492), (357, 14501), (383, 14570), (389, 14579), (392, 14585), (408, 14618), (425, 14654), (467, 14741), (480, 14762), (513, 14825), (514, 14828), (517, 14831), (524, 14849), (530, 14870), (544, 14912), (564, 14945), (566, 14948), (573, 14960),

Gene: Madiba_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Madiba_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (178, 1042), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Maggie_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Maggie_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Maliketh_2 Start: 458, Stop: 1891, Start Num: 85
Candidate Starts for Maliketh_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Malisha_3 Start: 669, Stop: 2186, Start Num: 67
Candidate Starts for Malisha_3:

(Start: 54 @660 has 1 MA's), (Start: 67 @669 has 92 MA's), (109, 786), (Start: 114 @795 has 15 MA's), (116, 804), (135, 867), (137, 882), (141, 894), (147, 933), (160, 975), (161, 978), (169, 1020), (181, 1047), (193, 1068), (201, 1086), (203, 1089), (204, 1092), (206, 1113), (212, 1140), (221, 1197), (230, 1254), (231, 1260), (237, 1275), (241, 1287), (272, 1407), (286, 1449), (307, 1530), (309, 1539), (314, 1566), (323, 1605), (328, 1632), (343, 1653), (390, 1755), (403, 1782), (477, 1929), (484, 1941), (530, 2037), (531, 2040), (533, 2043), (546, 2085), (552, 2097), (556, 2109),

Gene: Malthus_9 Start: 2465, Stop: 3910, Start Num: 75
Candidate Starts for Malthus_9:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Marcoliusprime_4 Start: 652, Stop: 2076, Start Num: 75
Candidate Starts for Marcoliusprime_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (206, 1057), (220, 1138), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (353, 1576), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: MargaretKali_3 Start: 885, Stop: 2270, Start Num: 91
Candidate Starts for MargaretKali_3:
(Start: 69 @825 has 12 MA's), (Start: 91 @885 has 6 MA's), (Start: 92 @888 has 1 MA's), (Start: 103 @927 has 2 MA's), (123, 990), (139, 1041), (158, 1125), (161, 1131), (162, 1134), (165, 1152), (200, 1230), (212, 1284), (221, 1341), (228, 1386), (237, 1419), (259, 1494), (303, 1620), (306, 1629), (315, 1674), (321, 1701), (349, 1761), (353, 1770), (357, 1782), (360, 1794), (370, 1824), (374, 1839), (413, 1902), (420, 1920), (457, 1992), (469, 2019), (498, 2073), (549, 2190), (576, 2259),

Gene: Mariposa_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Mariposa_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: MarkPhew_7 Start: 1432, Stop: 2856, Start Num: 75
Candidate Starts for MarkPhew_7:
(Start: 75 @1432 has 172 MA's), (Start: 103 @1519 has 2 MA's), (Start: 114 @1543 has 15 MA's), (125, 1588), (136, 1627), (139, 1636), (141, 1642), (150, 1684), (155, 1702), (161, 1720), (172, 1771), (195, 1810), (200, 1819), (206, 1846), (219, 1924), (226, 1966), (228, 1975), (250, 2056), (294, 2170), (304, 2212), (306, 2218), (309, 2230), (315, 2260), (323, 2296), (326, 2311), (357, 2380), (370, 2422), (389, 2452), (423, 2521), (440, 2554), (442, 2557), (460, 2593), (467, 2611), (486, 2644), (576, 2845),

Gene: Marker_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Marker_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (178, 1042), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219),

(228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (408, 1795), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Marmie_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Marmie_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Marshawn_9 Start: 2072, Stop: 3451, Start Num: 91
Candidate Starts for Marshawn_9:
(Start: 69 @2015 has 12 MA's), (Start: 75 @2027 has 172 MA's), (Start: 91 @2072 has 6 MA's), (98, 2093), (Start: 103 @2114 has 2 MA's), (111, 2132), (Start: 114 @2138 has 15 MA's), (136, 2222), (139, 2231), (141, 2237), (150, 2279), (155, 2297), (161, 2315), (172, 2366), (206, 2441), (219, 2519), (226, 2561), (228, 2570), (250, 2651), (294, 2765), (306, 2813), (309, 2825), (315, 2855), (319, 2879), (326, 2906), (357, 2975), (370, 3017), (389, 3047), (423, 3116), (425, 3119), (442, 3152), (457, 3182), (460, 3188), (467, 3206), (480, 3227), (486, 3239), (546, 3383), (576, 3440), (578, 3446),

Gene: Massimo_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Massimo_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: McMater_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for McMater_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: Mdavu_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Mdavu_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: MeaningOfLife_8 Start: 1563, Stop: 2984, Start Num: 75
Candidate Starts for MeaningOfLife_8:
(31, 1491), (Start: 69 @1551 has 12 MA's), (Start: 75 @1563 has 172 MA's), (Start: 114 @1674 has 15 MA's), (115, 1680), (136, 1758), (139, 1767), (150, 1815), (155, 1833), (172, 1902), (196, 1944), (200, 1950), (206, 1977), (207, 1980), (226, 2097), (228, 2106), (250, 2187), (294, 2301), (306, 2349), (309,

2361), (315, 2391), (319, 2415), (323, 2427), (355, 2505), (357, 2511), (425, 2655), (442, 2688), (467, 2742), (546, 2919), (576, 2973),

Gene: Megsy_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for Megsy_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (355, 2504), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: Mercurio_3 Start: 1016, Stop: 2605, Start Num: 24
Candidate Starts for Mercurio_3:
(11, 986), (Start: 24 @1016 has 31 MA's), (98, 1187), (138, 1319), (172, 1457), (177, 1466), (203, 1520), (212, 1571), (221, 1628), (226, 1664), (230, 1685), (250, 1754), (255, 1763), (306, 1916), (324, 1994), (330, 2021), (336, 2039), (357, 2090), (403, 2189), (408, 2198), (421, 2234), (425, 2240), (440, 2270), (445, 2282), (452, 2297), (457, 2303), (460, 2309), (466, 2324), (467, 2327), (480, 2348), (506, 2411), (513, 2426), (576, 2594), (578, 2600),

Gene: Merpity_3 Start: 658, Stop: 1761, Start Num: 172
Candidate Starts for Merpity_3:
(Start: 76 @316 has 1 MA's), (Start: 113 @424 has 3 MA's), (115, 430), (123, 466), (127, 472), (172, 658), (177, 667), (212, 760), (218, 805), (222, 820), (226, 853), (228, 862), (229, 865), (237, 895), (238, 898), (240, 904), (241, 907), (250, 943), (306, 1102), (309, 1114), (328, 1210), (352, 1252), (355, 1261), (358, 1273), (392, 1357), (425, 1423), (440, 1453), (442, 1456), (445, 1465), (461, 1492), (474, 1522), (483, 1537), (543, 1684), (546, 1693),

Gene: Milly_4 Start: 652, Stop: 2076, Start Num: 75
Candidate Starts for Milly_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (220, 1138), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (353, 1576), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: Miryou_6 Start: 1325, Stop: 2752, Start Num: 81
Candidate Starts for Miryou_6:
(Start: 81 @1325 has 25 MA's), (98, 1382), (Start: 103 @1403 has 2 MA's), (Start: 114 @1427 has 15 MA's), (136, 1511), (139, 1520), (141, 1526), (150, 1568), (155, 1586), (161, 1604), (172, 1655), (180, 1670), (206, 1730), (219, 1808), (226, 1850), (228, 1859), (229, 1862), (250, 1940), (294, 2054), (306, 2102), (315, 2144), (319, 2168), (323, 2180), (328, 2207), (353, 2252), (357, 2264), (420, 2411), (440, 2450), (467, 2507), (482, 2531), (494, 2555), (506, 2579), (544, 2678), (546, 2684), (576, 2741),

Gene: Misha28_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for Misha28_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: MissDaisy_9 Start: 2526, Stop: 3866, Start Num: 114
Candidate Starts for MissDaisy_9:
(Start: 75 @2421 has 172 MA's), (Start: 114 @2526 has 15 MA's), (136, 2610), (139, 2619), (146, 2655), (150, 2667), (161, 2709), (172, 2760), (181, 2778), (200, 2808), (219, 2913), (226, 2955), (228, 2964), (229, 2967), (250, 3045), (255, 3054), (294, 3159), (304, 3201), (306, 3207), (315, 3249), (357, 3366), (369, 3408), (389, 3453), (423, 3522), (445, 3567), (457, 3588), (467, 3612), (513, 3696), (546, 3789), (576, 3855), (578, 3861),

Gene: Mitti_9 Start: 2478, Stop: 3923, Start Num: 75
Candidate Starts for Mitti_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3912), (578, 3918),

Gene: MoRicky_2 Start: 176, Stop: 1804, Start Num: 51
Candidate Starts for MoRicky_2:
(Start: 51 @176 has 2 MA's), (74, 224), (96, 278), (128, 380), (131, 389), (138, 422), (146, 467), (150, 479), (161, 515), (163, 527), (176, 575), (199, 620), (204, 632), (213, 686), (219, 731), (228, 782), (233, 806), (240, 833), (274, 971), (288, 1007), (303, 1067), (376, 1307), (418, 1409), (424, 1421), (451, 1475), (470, 1511), (472, 1514), (496, 1559), (511, 1589), (522, 1607), (572, 1751), (579, 1778),

Gene: Moloch_4 Start: 874, Stop: 2364, Start Num: 63
Candidate Starts for Moloch_4:
(Start: 63 @874 has 39 MA's), (Start: 87 @919 has 5 MA's), (118, 1021), (121, 1039), (123, 1048), (139, 1099), (140, 1102), (143, 1111), (146, 1141), (154, 1168), (194, 1267), (216, 1366), (220, 1390), (221, 1393), (222, 1396), (229, 1441), (301, 1675), (313, 1723), (316, 1735), (325, 1774), (328, 1792), (334, 1804), (337, 1807), (348, 1828), (350, 1834), (355, 1846), (380, 1924), (405, 1978), (428, 2032), (435, 2044), (457, 2089), (482, 2137), (524, 2221), (542, 2278), (569, 2347),

Gene: MooKitty_3 Start: 668, Stop: 2077, Start Num: 79
Candidate Starts for MooKitty_3:
(Start: 79 @668 has 1 MA's), (Start: 93 @710 has 6 MA's), (112, 764), (118, 782), (141, 866), (143, 872), (146, 902), (150, 914), (155, 932), (204, 1052), (216, 1127), (220, 1151), (227, 1196), (229, 1202), (242, 1256), (243, 1265), (316, 1496), (320, 1517), (344, 1583), (381, 1688), (383, 1691), (405, 1736), (419, 1778), (428, 1802), (456, 1856), (458, 1859), (491, 1913), (506, 1934), (557, 2048), (564, 2063),

Gene: MooMoo_2 Start: 337, Stop: 1785, Start Num: 75
Candidate Starts for MooMoo_2:
(9, 205), (27, 241), (58, 307), (73, 331), (Start: 75 @337 has 172 MA's), (98, 412), (141, 556), (144, 574), (145, 589), (146, 592), (158, 634), (161, 640), (170, 685), (172, 691), (200, 739), (206, 766), (228, 895), (230, 907), (237, 928), (256, 988), (293, 1105), (304, 1150), (312, 1186), (316, 1204), (323, 1228), (327, 1249), (350, 1288), (353, 1294), (354, 1297), (383, 1372), (385, 1375), (392, 1387), (413, 1426), (423, 1450), (425, 1453), (440, 1483), (452, 1510), (486, 1573), (502, 1606), (506, 1627), (513, 1639), (544, 1720), (573, 1768),

Gene: Moosehead_2 Start: 437, Stop: 1936, Start Num: 69
Candidate Starts for Moosehead_2:
(Start: 18 @338 has 1 MA's), (21, 344), (59, 422), (62, 428), (Start: 69 @437 has 12 MA's), (Start: 88 @473 has 1 MA's), (Start: 92 @497 has 1 MA's), (101, 524), (Start: 103 @536 has 2 MA's), (107, 548),

(121, 590), (130, 611), (139, 650), (140, 653), (152, 713), (158, 734), (161, 740), (162, 743), (172, 791), (177, 800), (178, 803), (212, 911), (217, 947), (221, 968), (228, 1013), (229, 1016), (238, 1058), (241, 1067), (269, 1154), (271, 1160), (289, 1205), (303, 1256), (306, 1265), (307, 1268), (314, 1307), (315, 1310), (322, 1340), (355, 1412), (357, 1418), (383, 1490), (386, 1493), (404, 1526), (417, 1565), (430, 1592), (433, 1595), (464, 1658), (497, 1727), (499, 1730), (508, 1754), (515, 1766), (518, 1769), (541, 1835), (543, 1844), (544, 1847), (556, 1877), (576, 1925),

Gene: Mori_30 Start: 13115, Stop: 14629, Start Num: 23
Candidate Starts for Mori_30:
(Start: 23 @13115 has 17 MA's), (Start: 25 @13118 has 15 MA's), (Start: 103 @13298 has 2 MA's), (134, 13391), (149, 13466), (158, 13499), (165, 13526), (172, 13556), (219, 13709), (221, 13715), (226, 13751), (228, 13760), (250, 13841), (255, 13850), (256, 13853), (269, 13892), (292, 13949), (301, 13985), (302, 13988), (354, 14144), (357, 14153), (383, 14222), (389, 14231), (392, 14237), (408, 14270), (425, 14306), (467, 14393), (480, 14414), (513, 14477), (514, 14480), (517, 14483), (524, 14501), (530, 14522), (544, 14564), (566, 14600), (573, 14612),

Gene: Morkie_2 Start: 375, Stop: 1757, Start Num: 91
Candidate Starts for Morkie_2:
(Start: 54 @312 has 1 MA's), (Start: 91 @375 has 6 MA's), (127, 486), (161, 615), (177, 675), (200, 714), (217, 804), (223, 846), (228, 870), (233, 894), (237, 903), (240, 912), (241, 915), (285, 1041), (315, 1158), (343, 1239), (355, 1266), (357, 1272), (389, 1341), (410, 1383), (423, 1410), (432, 1425), (445, 1455), (452, 1470), (457, 1476), (467, 1500), (506, 1575), (514, 1590), (544, 1674), (546, 1680), (550, 1686), (552, 1692), (554, 1695),

Gene: Mova_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Mova_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (116, 807), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (449, 1881), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Mowgli_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Mowgli_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Moyashi_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Moyashi_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (542, 1791), (543, 1797), (546, 1806), (562, 1836), (564, 1842), (575, 1875), (577, 1881),

Gene: Mozy_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Mozy_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (136, 882), (137, 885), (139, 891), (141, 897), (147, 936), (150, 945), (161, 981), (169, 1023), (193, 1071), (201, 1089), (203, 1092), (212, 1143), (228, 1245), (229, 1248), (230, 1257), (231, 1263), (237, 1278), (241, 1290), (248, 1323), (269, 1398), (271, 1404), (281, 1434), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (355, 1680), (468, 1920), (477, 1935), (481, 1941), (494, 1965), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: MrAK_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for MrAK_2:
(Start: 80 @378 has 40 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (481, 1647), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: MrSmee_2 Start: 424, Stop: 1761, Start Num: 113
Candidate Starts for MrSmee_2:
(Start: 76 @316 has 1 MA's), (Start: 113 @424 has 3 MA's), (115, 430), (123, 466), (127, 472), (172, 658), (177, 667), (218, 805), (222, 820), (226, 853), (228, 862), (229, 865), (237, 895), (238, 898), (240, 904), (241, 907), (250, 943), (306, 1102), (309, 1114), (328, 1210), (352, 1252), (355, 1261), (358, 1273), (392, 1357), (425, 1423), (440, 1453), (442, 1456), (445, 1465), (461, 1492), (474, 1522), (483, 1537), (546, 1693),

Gene: Mufasa_4 Start: 652, Stop: 2073, Start Num: 75
Candidate Starts for Mufasa_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (256, 1279), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (357, 1588), (370, 1630), (389, 1660), (423, 1729), (432, 1744), (440, 1762), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (546, 1996), (576, 2062),

Gene: MulchExplorer_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for MulchExplorer_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (136, 881), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (161, 980), (162, 983), (169, 1022), (178, 1043), (193, 1070), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: Murai_31 Start: 13308, Stop: 14819, Start Num: 25
Candidate Starts for Murai_31:
(Start: 23 @13305 has 17 MA's), (Start: 25 @13308 has 15 MA's), (Start: 103 @13488 has 2 MA's), (134, 13581), (149, 13656), (158, 13689), (165, 13716), (172, 13746), (219, 13899), (221, 13905), (226, 13941), (228, 13950), (250, 14031), (255, 14040), (256, 14043), (269, 14082), (292, 14139),

(301, 14175), (302, 14178), (354, 14334), (357, 14343), (383, 14412), (389, 14421), (392, 14427), (408, 14460), (425, 14496), (467, 14583), (480, 14604), (513, 14667), (514, 14670), (517, 14673), (524, 14691), (530, 14712), (544, 14754), (566, 14790), (573, 14802),

Gene: Murucutumbu_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for Murucutumbu_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (161, 1850), (172, 1901), (200, 1949), (206, 1976), (207, 1979), (219, 2054), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (326, 2441), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: Muttlie_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Muttlie_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (132, 992), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Mynx_8 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for Mynx_8:
(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200, 2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: Nebulanyx_4 Start: 607, Stop: 2163, Start Num: 16
Candidate Starts for Nebulanyx_4:
(Start: 16 @607 has 8 MA's), (22, 619), (43, 658), (Start: 67 @700 has 92 MA's), (68, 703), (Start: 87 @730 has 5 MA's), (112, 811), (115, 820), (121, 847), (139, 901), (141, 907), (149, 952), (168, 1027), (169, 1030), (171, 1036), (173, 1042), (175, 1045), (186, 1063), (233, 1273), (266, 1387), (267, 1390), (272, 1417), (273, 1420), (284, 1444), (286, 1453), (303, 1504), (309, 1525), (325, 1597), (331, 1621), (355, 1672), (359, 1687), (365, 1699), (380, 1744), (387, 1756), (471, 1948), (475, 1954), (541, 2101), (543, 2110), (546, 2119),

Gene: Neighly_6 Start: 1146, Stop: 2516, Start Num: 98
Candidate Starts for Neighly_6:
(Start: 81 @1089 has 25 MA's), (98, 1146), (Start: 103 @1167 has 2 MA's), (Start: 114 @1191 has 15 MA's), (136, 1275), (139, 1284), (141, 1290), (155, 1350), (161, 1368), (172, 1419), (195, 1458), (219, 1572), (226, 1614), (228, 1623), (229, 1626), (250, 1704), (294, 1818), (306, 1866), (309, 1878), (315, 1908), (323, 1944), (328, 1971), (357, 2028), (389, 2112), (400, 2136), (440, 2214), (467, 2271), (482, 2295), (494, 2319), (546, 2448), (576, 2505),

Gene: Neoh_2 Start: 360, Stop: 1892, Start Num: 24
Candidate Starts for Neoh_2:
(Start: 24 @360 has 31 MA's), (Start: 83 @456 has 46 MA's), (Start: 85 @459 has 4 MA's), (Start: 92 @495 has 1 MA's), (Start: 103 @534 has 2 MA's), (150, 696), (172, 783), (177, 792), (186, 810), (195, 822), (221, 942), (226, 978), (230, 999), (237, 1020), (250, 1068), (255, 1077), (306, 1230), (318, 1290), (324, 1308), (346, 1359), (357, 1386), (361, 1401), (362, 1404), (403, 1485), (421, 1530), (460, 1605), (467, 1623), (480, 1644), (503, 1689), (512, 1707), (513, 1710), (546, 1803), (577, 1884),

Gene: Neroxid_2 Start: 335, Stop: 1786, Start Num: 75
Candidate Starts for Neroxid_2:
(38, 293), (52, 311), (Start: 75 @335 has 172 MA's), (Start: 93 @389 has 6 MA's), (98, 404), (102, 422), (Start: 103 @425 has 2 MA's), (104, 428), (107, 437), (Start: 113 @446 has 3 MA's), (117, 458), (121, 479), (134, 515), (149, 590), (152, 602), (155, 611), (161, 629), (172, 680), (177, 689), (195, 719), (200, 728), (219, 833), (226, 875), (228, 884), (229, 887), (238, 920), (240, 926), (241, 929), (271, 1022), (272, 1028), (306, 1127), (342, 1256), (352, 1277), (366, 1319), (392, 1382), (408, 1415), (426, 1451), (445, 1490), (461, 1517), (483, 1562), (543, 1709),

Gene: Nibb_7 Start: 1575, Stop: 2999, Start Num: 75
Candidate Starts for Nibb_7:
(Start: 75 @1575 has 172 MA's), (98, 1641), (Start: 103 @1662 has 2 MA's), (Start: 114 @1686 has 15 MA's), (125, 1731), (136, 1770), (139, 1779), (150, 1827), (155, 1845), (161, 1863), (172, 1914), (195, 1953), (206, 1989), (219, 2067), (226, 2109), (228, 2118), (250, 2199), (294, 2313), (304, 2355), (306, 2361), (309, 2373), (315, 2403), (323, 2439), (326, 2454), (357, 2523), (370, 2565), (389, 2595), (423, 2664), (440, 2697), (442, 2700), (467, 2754), (486, 2787), (546, 2931), (576, 2988),

Gene: NiebruSaylor_30 Start: 13116, Stop: 14630, Start Num: 23
Candidate Starts for NiebruSaylor_30:
(Start: 23 @13116 has 17 MA's), (Start: 25 @13119 has 15 MA's), (Start: 103 @13299 has 2 MA's), (134, 13392), (149, 13467), (158, 13500), (165, 13527), (172, 13557), (219, 13710), (221, 13716), (226, 13752), (228, 13761), (250, 13842), (255, 13851), (256, 13854), (269, 13893), (292, 13950), (301, 13986), (302, 13989), (354, 14145), (357, 14154), (383, 14223), (389, 14232), (392, 14238), (408, 14271), (425, 14307), (467, 14394), (480, 14415), (513, 14478), (514, 14481), (517, 14484), (524, 14502), (530, 14523), (544, 14565), (566, 14601), (573, 14613),

Gene: Nikao_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Nikao_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: Niklas_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for Niklas_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: Noely_2 Start: 539, Stop: 2110, Start Num: 16
Candidate Starts for Noely_2:
(Start: 8 @521 has 1 MA's), (Start: 16 @539 has 8 MA's), (Start: 67 @644 has 92 MA's), (68, 647), (Start: 87 @674 has 5 MA's), (106, 743), (112, 755), (115, 764), (121, 791), (139, 845), (141, 851), (168, 971), (169, 974), (171, 980), (173, 986), (175, 989), (182, 998), (213, 1097), (233, 1217), (267, 1334), (273, 1364), (284, 1388), (303, 1448), (309, 1469), (331, 1565), (355, 1616), (359, 1631), (365, 1643), (367, 1649), (380, 1691), (410, 1754), (431, 1811), (471, 1895), (541, 2048), (543, 2057), (546, 2066),

Gene: Nolwazi_9 Start: 2584, Stop: 3924, Start Num: 114
Candidate Starts for Nolwazi_9:
(Start: 75 @2479 has 172 MA's), (Start: 114 @2584 has 15 MA's), (136, 2668), (139, 2677), (146, 2713), (150, 2725), (154, 2740), (161, 2767), (172, 2818), (181, 2836), (200, 2866), (206, 2893), (219, 2971), (228, 3022), (229, 3025), (250, 3103), (255, 3112), (268, 3151), (294, 3217), (306, 3265), (315, 3307), (357, 3424), (369, 3466), (389, 3511), (423, 3580), (445, 3625), (457, 3646), (467, 3670), (546, 3847), (576, 3913), (578, 3919),

Gene: November_6 Start: 1241, Stop: 2665, Start Num: 75
Candidate Starts for November_6:
(31, 1169), (41, 1202), (Start: 69 @1229 has 12 MA's), (Start: 75 @1241 has 172 MA's), (Start: 103 @1328 has 2 MA's), (Start: 114 @1352 has 15 MA's), (136, 1436), (139, 1445), (150, 1493), (155, 1511), (161, 1529), (172, 1580), (200, 1628), (206, 1655), (226, 1775), (228, 1784), (229, 1787), (237, 1817), (250, 1865), (294, 1979), (315, 2069), (326, 2120), (333, 2141), (357, 2189), (370, 2231), (389, 2261), (400, 2285), (425, 2333), (467, 2420), (546, 2597), (576, 2654), (578, 2660),

Gene: Nutello_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Nutello_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: ODay_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for ODay_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: OctaviousRex_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for OctaviousRex_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Ogopogo_4 Start: 925, Stop: 2445, Start Num: 67
Candidate Starts for Ogopogo_4:
(52, 913), (Start: 67 @925 has 92 MA's), (Start: 114 @1051 has 15 MA's), (116, 1060), (130, 1105), (136, 1135), (137, 1138), (139, 1144), (147, 1189), (154, 1213), (193, 1324), (201, 1342), (203, 1345), (206, 1369), (212, 1396), (221, 1453), (226, 1489), (228, 1498), (230, 1510), (231, 1516), (237, 1531), (241, 1543), (248, 1576), (251, 1582), (260, 1618), (271, 1657), (281, 1687), (282, 1690), (307, 1786), (309, 1795), (314, 1822), (340, 1906), (349, 1921), (397, 2032), (403, 2041), (408, 2050), (440, 2113), (477, 2188), (484, 2200), (494, 2218), (513, 2254), (530, 2296), (533, 2302), (546, 2344), (552, 2356), (556, 2368), (580, 2434),

Gene: OkiRoe_6 Start: 1327, Stop: 2754, Start Num: 81
Candidate Starts for OkiRoe_6:
(26, 1234), (Start: 81 @1327 has 25 MA's), (98, 1384), (Start: 103 @1405 has 2 MA's), (Start: 114 @1429 has 15 MA's), (136, 1513), (139, 1522), (141, 1528), (150, 1570), (155, 1588), (161, 1606), (172, 1657), (206, 1732), (219, 1810), (226, 1852), (228, 1861), (229, 1864), (250, 1942), (294, 2056), (306, 2104), (315, 2146), (319, 2170), (323, 2182), (328, 2209), (353, 2254), (357, 2266), (420, 2413), (440, 2452), (467, 2509), (482, 2533), (494, 2557), (506, 2581), (544, 2680), (546, 2686), (576, 2743),

Gene: Oksu_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Oksu_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (221, 1200), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Olga_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Olga_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: OmniCritical_9 Start: 2570, Stop: 3910, Start Num: 114
Candidate Starts for OmniCritical_9:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (146, 2699), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Omnicron_6 Start: 1387, Stop: 2814, Start Num: 81
Candidate Starts for Omnicron_6:
(Start: 69 @1366 has 12 MA's), (Start: 81 @1387 has 25 MA's), (98, 1444), (Start: 103 @1465 has 2 MA's), (Start: 114 @1489 has 15 MA's), (136, 1573), (139, 1582), (150, 1630), (155, 1648), (161, 1666), (172, 1717), (180, 1732), (206, 1792), (219, 1870), (226, 1912), (228, 1921), (229, 1924), (240, 1963), (250, 2002), (294, 2116), (301, 2146), (306, 2164), (315, 2206), (323, 2242), (328, 2269), (357, 2326), (389, 2410), (440, 2512), (445, 2524), (467, 2569), (482, 2593), (494, 2617), (546, 2746), (576, 2803),

Gene: OneDirection_2 Start: 438, Stop: 1937, Start Num: 69
Candidate Starts for OneDirection_2:
(59, 423), (62, 429), (Start: 69 @438 has 12 MA's), (Start: 88 @474 has 1 MA's), (Start: 92 @498 has 1 MA's), (101, 525), (Start: 103 @537 has 2 MA's), (107, 549), (139, 651), (140, 654), (144, 675), (161, 741), (162, 744), (172, 792), (177, 801), (178, 804), (212, 912), (217, 948), (221, 969), (228, 1014), (229, 1017), (238, 1059), (241, 1068), (269, 1155), (289, 1206), (303, 1257), (306, 1266), (307, 1269), (314, 1308), (315, 1311), (322, 1341), (350, 1401), (355, 1413), (357, 1419), (383, 1491), (386, 1494), (417, 1566), (430, 1593), (433, 1596), (464, 1659), (470, 1668), (499, 1731), (508, 1755), (515, 1767), (518, 1770), (541, 1836), (543, 1845), (544, 1848), (546, 1854), (550, 1860), (576, 1926),

Gene: Oscar_7 Start: 1482, Stop: 2906, Start Num: 75
Candidate Starts for Oscar_7:
(Start: 75 @1482 has 172 MA's), (Start: 103 @1569 has 2 MA's), (Start: 114 @1593 has 15 MA's), (115, 1599), (136, 1677), (139, 1686), (141, 1692), (150, 1734), (155, 1752), (161, 1770), (172, 1821), (195, 1860), (206, 1896), (219, 1974), (226, 2016), (228, 2025), (250, 2106), (294, 2220), (304, 2262), (306, 2268), (309, 2280), (315, 2310), (319, 2334), (323, 2346), (326, 2361), (357, 2430), (370, 2472), (423, 2571), (440, 2604), (442, 2607), (460, 2643), (467, 2661), (576, 2895),

Gene: Ouroboros_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Ouroboros_2:
(Start: 80 @378 has 40 MA's), (Start: 86 @387 has 4 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (249, 1041), (250, 1044), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (338, 1335), (349, 1356), (363, 1398), (375, 1440), (391, 1467), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (448, 1584), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (485, 1656), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (557, 1827), (560, 1833), (575, 1875), (577, 1881),

Gene: OwlsT2W_3 Start: 797, Stop: 2158, Start Num: 114
Candidate Starts for OwlsT2W_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: P1.1_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P1.1_2:
(Start: 80 @378 has 40 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (300, 1191), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: P100.1_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P100.1_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P100A_2 Start: 383, Stop: 1894, Start Num: 80
Candidate Starts for P100A_2:
(Start: 80 @383 has 40 MA's), (98, 440), (115, 485), (121, 512), (122, 515), (136, 563), (139, 572), (141, 578), (146, 608), (149, 617), (151, 623), (162, 656), (165, 674), (170, 698), (172, 704), (187, 743), (189, 752), (191, 755), (214, 866), (218, 902), (220, 911), (221, 914), (223, 935), (226, 950), (228, 959), (241, 1010), (244, 1031), (249, 1046), (250, 1049), (252, 1052), (277, 1139), (297, 1184), (303, 1211), (309, 1232), (321, 1292), (327, 1319), (343, 1349), (353, 1370), (382, 1457), (398, 1490), (406, 1502), (409, 1508), (421, 1535), (433, 1556), (434, 1559), (435, 1562), (441, 1574), (460, 1610), (468, 1631), (488, 1673), (506, 1709), (507, 1712), (513, 1724), (520, 1736), (542, 1796), (543, 1802), (546, 1811), (553, 1826), (575, 1880), (577, 1886),

Gene: P100D_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for P100D_2:
(Start: 80 @373 has 40 MA's), (89, 397), (Start: 92 @412 has 1 MA's), (98, 430), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (277, 1129), (287, 1150), (297, 1174), (300, 1186), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (391, 1462), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (459, 1597), (468, 1621), (488, 1663), (506, 1699), (507, 1702), (520, 1726), (542, 1786), (543, 1792), (546, 1801), (575, 1870), (577, 1876),

Gene: P101A_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P101A_2:
(Start: 80 @378 has 40 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (542, 1791), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: P104A_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P104A_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P104B_2 Start: 385, Stop: 1884, Start Num: 87
Candidate Starts for P104B_2:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (244, 1021), (250, 1039), (252, 1042), (256, 1048), (277, 1129), (287, 1150), (297, 1174), (303, 1201),

(309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (459, 1597), (465, 1615), (468, 1621), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: P105_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for P105_2:
(Start: 80 @373 has 40 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (129, 523), (136, 553), (139, 562), (141, 568), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (211, 847), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (244, 1021), (250, 1039), (252, 1042), (256, 1048), (259, 1063), (277, 1129), (287, 1150), (297, 1174), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (363, 1393), (375, 1435), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: P106A_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P106A_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P106C_2 Start: 390, Stop: 1889, Start Num: 87
Candidate Starts for P106C_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P106I_2 Start: 390, Stop: 1889, Start Num: 87
Candidate Starts for P106I_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P106L_2 Start: 390, Stop: 1889, Start Num: 87
Candidate Starts for P106L_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P106M_2 Start: 390, Stop: 1889, Start Num: 87
Candidate Starts for P106M_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (309, 1227), (323, 1293), (332, 1326), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P107A_2 Start: 386, Stop: 1897, Start Num: 80
Candidate Starts for P107A_2:
(Start: 80 @386 has 40 MA's), (Start: 86 @395 has 4 MA's), (Start: 92 @425 has 1 MA's), (98, 443), (115, 488), (121, 515), (122, 518), (129, 536), (136, 566), (139, 575), (141, 581), (146, 611), (149, 620), (151, 626), (162, 659), (165, 677), (170, 701), (172, 707), (187, 746), (189, 755), (191, 758), (201, 797), (202, 800), (214, 869), (220, 914), (221, 917), (223, 938), (226, 953), (228, 962), (230, 974), (241, 1013), (244, 1034), (249, 1049), (250, 1052), (252, 1055), (256, 1061), (287, 1163), (300, 1199), (309, 1235), (323, 1301), (349, 1364), (361, 1400), (363, 1406), (406, 1505), (409, 1511), (421, 1538), (433, 1559), (434, 1562), (435, 1565), (441, 1577), (448, 1592), (457, 1607), (459, 1610), (468, 1634), (481, 1655), (485, 1664), (506, 1712), (507, 1715), (513, 1727), (520, 1739), (543, 1805), (546, 1814), (550, 1820), (553, 1829), (575, 1883), (577, 1889),

Gene: P107C_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P107C_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: P108C_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P108C_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026),

(249, 1041), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (349, 1356), (363, 1398), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (435, 1557), (459, 1602), (465, 1620), (468, 1626), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (564, 1842), (575, 1875), (577, 1881),

Gene: P14.4_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for P14.4_2:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (259, 1068), (277, 1134), (280, 1143), (287, 1155), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (435, 1557), (441, 1569), (459, 1602), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (543, 1797), (546, 1806), (550, 1812), (557, 1827), (560, 1833), (575, 1875), (577, 1881),

Gene: P3MA_3 Start: 954, Stop: 2408, Start Num: 78
Candidate Starts for P3MA_3:
(Start: 78 @954 has 5 MA's), (Start: 103 @1038 has 2 MA's), (138, 1149), (139, 1152), (146, 1188), (158, 1230), (161, 1236), (177, 1296), (207, 1365), (218, 1434), (221, 1446), (223, 1467), (228, 1491), (231, 1509), (240, 1533), (241, 1536), (250, 1572), (255, 1581), (272, 1656), (285, 1683), (303, 1746), (304, 1749), (310, 1776), (323, 1836), (357, 1917), (396, 2004), (425, 2058), (440, 2088), (467, 2145), (540, 2298), (544, 2316), (576, 2397), (577, 2400),

Gene: P9.1_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for P9.1_2:
(Start: 80 @373 has 40 MA's), (89, 397), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (211, 847), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (277, 1129), (287, 1150), (309, 1222), (323, 1288), (332, 1321), (363, 1393), (375, 1435), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (488, 1663), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: PA6_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PA6_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: PAD20_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PAD20_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256,

1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (542, 1791), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: PAS50_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PAS50_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (372, 1428), (391, 1467), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: PHL010M04_02 Start: 377, Stop: 1888, Start Num: 80
Candidate Starts for PHL010M04_02:
(Start: 80 @377 has 40 MA's), (Start: 86 @386 has 4 MA's), (Start: 92 @416 has 1 MA's), (98, 434), (115, 479), (121, 506), (122, 509), (135, 545), (136, 557), (139, 566), (141, 572), (146, 602), (149, 611), (151, 617), (162, 650), (165, 668), (170, 692), (187, 737), (189, 746), (191, 749), (201, 788), (202, 791), (214, 860), (220, 905), (221, 908), (223, 929), (226, 944), (228, 953), (230, 965), (241, 1004), (244, 1025), (249, 1040), (250, 1043), (256, 1052), (277, 1133), (303, 1205), (309, 1226), (321, 1286), (323, 1292), (338, 1334), (349, 1355), (363, 1397), (382, 1451), (409, 1502), (421, 1529), (433, 1550), (441, 1568), (448, 1583), (457, 1598), (460, 1604), (485, 1655), (506, 1703), (507, 1706), (513, 1718), (543, 1796), (546, 1805), (557, 1826), (560, 1832), (575, 1874), (577, 1880),

Gene: PHL037M02_02 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PHL037M02_02:
(Start: 80 @378 has 40 MA's), (89, 402), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (116, 483), (121, 507), (122, 510), (136, 558), (139, 567), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (259, 1068), (287, 1155), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (391, 1467), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (459, 1602), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (543, 1797), (546, 1806), (575, 1875), (577, 1881),

Gene: PHL060L00_02 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for PHL060L00_02:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (277, 1129), (297, 1174), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (341, 1336), (375, 1435), (394, 1471), (398, 1480), (406, 1492), (409, 1498), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: PHL067M10_02 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PHL067M10_02:

(Start: 80 @378 has 40 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (211, 852), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (259, 1068), (277, 1134), (297, 1179), (303, 1206), (309, 1227), (323, 1293), (332, 1326), (363, 1398), (372, 1428), (375, 1440), (394, 1476), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (488, 1668), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: PHL071N05_02 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for PHL071N05_02:
(Start: 80 @373 has 40 MA's), (89, 397), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (211, 847), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (277, 1129), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (459, 1597), (465, 1615), (468, 1621), (490, 1666), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (553, 1816), (575, 1870), (577, 1876),

Gene: PHL111M01_02 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PHL111M01_02:
(Start: 80 @378 has 40 MA's), (Start: 87 @390 has 5 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (249, 1041), (250, 1044), (252, 1047), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (349, 1356), (363, 1398), (372, 1428), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (564, 1842), (575, 1875), (577, 1881),

Gene: PHL112N00_02 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PHL112N00_02:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (129, 528), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (259, 1068), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (332, 1326), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (468, 1626), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (553, 1821), (575, 1875), (577, 1881),

Gene: PHL113M01_02 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for PHL113M01_02:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (249, 1041), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (287, 1155), (297, 1179), (309, 1227), (323, 1293), (332, 1326), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (409, 1503), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (460, 1605), (465, 1620), (468, 1626), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (564, 1842), (575, 1875), (577, 1881),

Gene: PHL114L00_02 Start: 386, Stop: 1897, Start Num: 80
Candidate Starts for PHL114L00_02:
(Start: 80 @386 has 40 MA's), (98, 443), (115, 488), (121, 515), (122, 518), (136, 566), (139, 575), (141, 581), (146, 611), (149, 620), (151, 626), (162, 659), (165, 677), (170, 701), (172, 707), (189, 755), (191, 758), (201, 797), (202, 800), (214, 869), (220, 914), (221, 917), (223, 938), (226, 953), (228, 962), (244, 1034), (249, 1049), (250, 1052), (252, 1055), (287, 1163), (303, 1214), (309, 1235), (323, 1301), (349, 1364), (363, 1406), (375, 1448), (394, 1484), (406, 1505), (409, 1511), (421, 1538), (433, 1559), (434, 1562), (435, 1565), (441, 1577), (457, 1607), (459, 1610), (465, 1628), (468, 1634), (485, 1664), (490, 1679), (506, 1712), (507, 1715), (513, 1727), (543, 1805), (546, 1814), (550, 1820), (553, 1829), (562, 1844), (575, 1883), (577, 1889),

Gene: Pace1224_2 Start: 359, Stop: 1903, Start Num: 24
Candidate Starts for Pace1224_2:
(Start: 24 @359 has 31 MA's), (138, 632), (150, 683), (161, 719), (177, 779), (186, 800), (221, 932), (226, 968), (230, 989), (240, 1019), (250, 1058), (255, 1067), (306, 1220), (324, 1298), (346, 1364), (357, 1391), (403, 1490), (457, 1604), (467, 1628), (480, 1649), (506, 1700), (513, 1715), (546, 1808), (576, 1892), (578, 1898),

Gene: Padfoot_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Padfoot_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Padpat_8 Start: 1593, Stop: 3017, Start Num: 75
Candidate Starts for Padpat_8:
(31, 1521), (Start: 69 @1581 has 12 MA's), (Start: 75 @1593 has 172 MA's), (Start: 114 @1704 has 15 MA's), (115, 1710), (136, 1788), (139, 1797), (150, 1845), (155, 1863), (172, 1932), (196, 1974), (200, 1980), (206, 2007), (207, 2010), (226, 2127), (228, 2136), (250, 2217), (294, 2331), (306, 2379), (309, 2391), (315, 2421), (319, 2445), (323, 2457), (355, 2535), (357, 2541), (425, 2688), (442, 2721), (467, 2775), (546, 2952), (576, 3006),

Gene: Paito_2 Start: 555, Stop: 1928, Start Num: 103
Candidate Starts for Paito_2:
(Start: 24 @354 has 31 MA's), (Start: 92 @516 has 1 MA's), (Start: 103 @555 has 2 MA's), (138, 666), (150, 717), (161, 753), (177, 813), (186, 834), (221, 978), (226, 1014), (230, 1035), (240, 1065), (250, 1104), (255, 1113), (306, 1266), (318, 1326), (346, 1395), (357, 1422), (361, 1437), (403, 1521), (440, 1602), (452, 1629), (457, 1635), (460, 1641), (467, 1659), (480, 1680), (503, 1725), (513, 1746), (546, 1839), (577, 1920),

Gene: Paola_6 Start: 1326, Stop: 2753, Start Num: 81
Candidate Starts for Paola_6:
(26, 1233), (Start: 81 @1326 has 25 MA's), (98, 1383), (Start: 103 @1404 has 2 MA's), (Start: 114 @1428 has 15 MA's), (136, 1512), (139, 1521), (141, 1527), (150, 1569), (155, 1587), (161, 1605), (172, 1656), (206, 1731), (219, 1809), (226, 1851), (228, 1860), (229, 1863), (250, 1941), (294, 2055), (306, 2103), (315, 2145), (319, 2169), (323, 2181), (328, 2208), (353, 2253), (357, 2265), (420, 2412), (440, 2451), (467, 2508), (482, 2532), (494, 2556), (506, 2580), (544, 2679), (546, 2685), (576, 2742),

Gene: Patt_9 Start: 2502, Stop: 3842, Start Num: 114
Candidate Starts for Patt_9:

(Start: 75 @2397 has 172 MA's), (Start: 114 @2502 has 15 MA's), (136, 2586), (139, 2595), (146, 2631), (150, 2643), (161, 2685), (172, 2736), (181, 2754), (200, 2784), (219, 2889), (226, 2931), (228, 2940), (229, 2943), (250, 3021), (255, 3030), (294, 3135), (304, 3177), (306, 3183), (315, 3225), (357, 3342), (369, 3384), (389, 3429), (423, 3498), (445, 3543), (457, 3564), (467, 3588), (513, 3672), (546, 3765), (576, 3831), (578, 3837),

Gene: Pauu_3 Start: 437, Stop: 1996, Start Num: 16
Candidate Starts for Pauu_3:
(Start: 8 @419 has 1 MA's), (Start: 16 @437 has 8 MA's), (Start: 67 @533 has 92 MA's), (68, 536), (Start: 87 @563 has 5 MA's), (112, 644), (115, 653), (121, 680), (139, 734), (141, 740), (149, 785), (168, 860), (169, 863), (171, 869), (173, 875), (175, 878), (186, 896), (201, 929), (219, 1031), (233, 1106), (239, 1130), (266, 1220), (267, 1223), (272, 1250), (273, 1253), (284, 1277), (286, 1286), (303, 1337), (309, 1358), (316, 1394), (325, 1430), (331, 1454), (355, 1505), (359, 1520), (365, 1532), (380, 1577), (387, 1589), (446, 1730), (471, 1781), (475, 1787), (541, 1934), (543, 1943), (546, 1952),

Gene: Peanam_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for Peanam_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: Peeb_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Peeb_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (269, 1118), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (365, 1409), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Peel_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Peel_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Penoan_4 Start: 1350, Stop: 2837, Start Num: 63
Candidate Starts for Penoan_4:
(1, 1002), (2, 1176), (14, 1251), (19, 1260), (55, 1335), (Start: 63 @1350 has 39 MA's), (118, 1503), (120, 1518), (122, 1524), (146, 1623), (149, 1632), (175, 1725), (199, 1767), (221, 1881), (222, 1884), (229, 1929), (281, 2109), (306, 2181), (316, 2229), (324, 2262), (348, 2325), (349, 2328), (383, 2427), (396, 2460), (403, 2472), (412, 2493), (452, 2568), (494, 2640), (532, 2727), (551, 2781),

Gene: PensacolaC28_1 Start: 37, Stop: 1611, Start Num: 67
Candidate Starts for PensacolaC28_1:
(53, 4), (Start: 67 @37 has 92 MA's), (Start: 92 @91 has 1 MA's), (108, 142), (115, 151), (125, 193), (132, 211), (134, 220), (142, 253), (143, 256), (181, 400), (199, 439), (201, 445), (210, 493), (220, 550), (225, 586), (258, 706), (303, 877), (353, 1042), (376, 1117), (400, 1168), (485, 1348), (519, 1408),

(575, 1576),

Gene: Peridot_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Peridot_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Periodt_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Periodt_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Periwinkle_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Periwinkle_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (Start: 103 @775 has 2 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (116, 808), (127, 847), (130, 853), (137, 886), (146, 934), (147, 937), (150, 946), (160, 979), (161, 982), (169, 1024), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (248, 1324), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (343, 1657), (355, 1681), (390, 1759), (403, 1786), (408, 1795), (477, 1933), (484, 1945), (494, 1963), (530, 2041), (533, 2047), (546, 2089), (552, 2101), (556, 2113), (581, 2182),

Gene: Phabuloso_3 Start: 671, Stop: 2188, Start Num: 67
Candidate Starts for Phabuloso_3:
(Start: 54 @662 has 1 MA's), (Start: 67 @671 has 92 MA's), (109, 788), (Start: 114 @797 has 15 MA's), (116, 806), (130, 851), (135, 869), (137, 884), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (181, 1049), (193, 1070), (201, 1088), (203, 1091), (204, 1094), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (230, 1256), (231, 1262), (237, 1277), (241, 1289), (251, 1328), (272, 1409), (286, 1451), (307, 1532), (309, 1541), (314, 1568), (328, 1634), (343, 1655), (390, 1757), (403, 1784), (477, 1931), (484, 1943), (494, 1961), (530, 2039), (531, 2042), (533, 2045), (546, 2087), (552, 2099), (556, 2111),

Gene: Pharb_7 Start: 1288, Stop: 2712, Start Num: 75
Candidate Starts for Pharb_7:
(33, 1225), (36, 1237), (Start: 69 @1276 has 12 MA's), (Start: 75 @1288 has 172 MA's), (Start: 91 @1333 has 6 MA's), (Start: 103 @1375 has 2 MA's), (Start: 114 @1399 has 15 MA's), (136, 1483), (139, 1492), (149, 1537), (150, 1540), (155, 1558), (172, 1627), (196, 1669), (200, 1675), (206, 1702), (219, 1780), (226, 1822), (228, 1831), (250, 1912), (257, 1930), (294, 2026), (306, 2074), (309, 2086), (315, 2116), (319, 2140), (323, 2152), (326, 2167), (357, 2236), (370, 2278), (374, 2290), (423, 2377), (425, 2380), (445, 2422), (452, 2437), (457, 2443), (466, 2464), (467, 2467), (546, 2644),

Gene: PhelpsODU_7 Start: 1549, Stop: 2976, Start Num: 75
Candidate Starts for PhelpsODU_7:
(Start: 75 @1549 has 172 MA's), (Start: 103 @1639 has 2 MA's), (Start: 114 @1663 has 15 MA's), (115, 1669), (136, 1747), (139, 1756), (150, 1804), (155, 1822), (172, 1891), (195, 1930), (200, 1939),

(206, 1966), (219, 2044), (226, 2086), (228, 2095), (250, 2176), (268, 2224), (294, 2290), (304, 2332), (306, 2338), (309, 2350), (310, 2356), (315, 2380), (321, 2410), (326, 2431), (357, 2500), (370, 2542), (420, 2635), (442, 2677), (457, 2707), (467, 2731), (494, 2779), (546, 2908), (576, 2965), (578, 2971),

Gene: Phish_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Phish_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Phistory_3 Start: 672, Stop: 2189, Start Num: 67
Candidate Starts for Phistory_3:
(Start: 54 @663 has 1 MA's), (Start: 67 @672 has 92 MA's), (109, 789), (Start: 114 @798 has 15 MA's), (130, 852), (137, 885), (147, 936), (150, 945), (161, 981), (169, 1023), (178, 1044), (185, 1056), (193, 1071), (201, 1089), (203, 1092), (204, 1095), (206, 1116), (212, 1143), (221, 1200), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (246, 1317), (251, 1329), (272, 1410), (294, 1482), (300, 1506), (307, 1533), (309, 1542), (314, 1569), (321, 1602), (343, 1656), (383, 1746), (390, 1758), (403, 1785), (477, 1932), (484, 1944), (494, 1962), (530, 2040), (533, 2046), (546, 2088), (552, 2100), (556, 2112),

Gene: Phloodle_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Phloodle_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: PhorbesPhlower_2 Start: 375, Stop: 1757, Start Num: 91
Candidate Starts for PhorbesPhlower_2:
(Start: 54 @312 has 1 MA's), (Start: 91 @375 has 6 MA's), (127, 486), (161, 615), (177, 675), (200, 714), (217, 804), (223, 846), (228, 870), (233, 894), (237, 903), (240, 912), (241, 915), (285, 1041), (315, 1158), (343, 1239), (355, 1266), (357, 1272), (389, 1341), (410, 1383), (423, 1410), (432, 1425), (445, 1455), (452, 1470), (457, 1476), (467, 1500), (506, 1575), (514, 1590), (544, 1674), (546, 1680), (550, 1686), (552, 1692), (554, 1695),

Gene: Phrank_7 Start: 1515, Stop: 2942, Start Num: 75
Candidate Starts for Phrank_7:
(Start: 75 @1515 has 172 MA's), (Start: 103 @1605 has 2 MA's), (Start: 114 @1629 has 15 MA's), (115, 1635), (136, 1713), (139, 1722), (150, 1770), (155, 1788), (172, 1857), (195, 1896), (200, 1905), (206, 1932), (219, 2010), (226, 2052), (228, 2061), (250, 2142), (268, 2190), (294, 2256), (304, 2298), (306, 2304), (309, 2316), (310, 2322), (315, 2346), (319, 2370), (321, 2376), (326, 2397), (357, 2466), (370, 2508), (420, 2601), (423, 2607), (425, 2610), (442, 2643), (457, 2673), (467, 2697), (494, 2745), (546, 2874), (576, 2931), (578, 2937),

Gene: Phreak_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Phreak_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Piatt_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Piatt_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Pigu_2 Start: 419, Stop: 1759, Start Num: 103
Candidate Starts for Pigu_2:
(6, 179), (12, 197), (44, 275), (Start: 69 @317 has 12 MA's), (Start: 103 @419 has 2 MA's), (123, 482), (139, 533), (140, 536), (162, 626), (165, 644), (200, 722), (206, 749), (221, 833), (228, 878), (259, 986), (303, 1112), (306, 1121), (321, 1193), (355, 1268), (357, 1274), (383, 1337), (402, 1373), (457, 1484), (467, 1508), (498, 1565), (550, 1685), (576, 1748),

Gene: Piku_1 Start: 175, Stop: 1761, Start Num: 94
Candidate Starts for Piku_1:
(20, 22), (Start: 45 @76 has 3 MA's), (Start: 94 @175 has 1 MA's), (112, 229), (117, 244), (123, 274), (124, 277), (131, 304), (149, 391), (171, 475), (173, 481), (181, 490), (201, 535), (233, 712), (250, 775), (272, 856), (299, 928), (303, 946), (315, 997), (379, 1183), (380, 1186), (427, 1300), (431, 1306), (450, 1348), (454, 1354), (467, 1384), (506, 1456), (529, 1510), (543, 1552), (583, 1711),

Gene: PinkYoshi_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for PinkYoshi_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Pinnie_3 Start: 905, Stop: 2404, Start Num: 69
Candidate Starts for Pinnie_3:
(17, 803), (Start: 24 @818 has 31 MA's), (Start: 69 @905 has 12 MA's), (Start: 83 @929 has 46 MA's), (98, 986), (161, 1205), (177, 1265), (221, 1430), (226, 1466), (230, 1487), (238, 1511), (240, 1517), (255, 1565), (306, 1718), (323, 1793), (357, 1892), (365, 1916), (425, 2042), (447, 2087), (480, 2150), (506, 2201), (513, 2216), (546, 2309), (556, 2333), (565, 2351), (577, 2396),

Gene: Piper2020_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for Piper2020_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Pirate_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for Pirate_2:
(Start: 80 @373 has 40 MA's), (89, 397), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226,

940), (228, 949), (230, 961), (241, 1000), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (297, 1174), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (459, 1597), (465, 1615), (468, 1621), (490, 1666), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (553, 1816), (575, 1870), (577, 1876),

Gene: Pisa1_7 Start: 1362, Stop: 2783, Start Num: 75
Candidate Starts for Pisa1_7:
(31, 1290), (Start: 69 @1350 has 12 MA's), (Start: 75 @1362 has 172 MA's), (Start: 114 @1473 has 15 MA's), (115, 1479), (136, 1557), (139, 1566), (150, 1614), (155, 1632), (172, 1701), (196, 1743), (200, 1749), (206, 1776), (207, 1779), (226, 1896), (228, 1905), (250, 1986), (294, 2100), (306, 2148), (309, 2160), (315, 2190), (319, 2214), (323, 2226), (357, 2310), (425, 2454), (442, 2487), (467, 2541), (546, 2718), (576, 2772),

Gene: Pisa4_7 Start: 1362, Stop: 2783, Start Num: 75
Candidate Starts for Pisa4_7:
(31, 1290), (Start: 69 @1350 has 12 MA's), (Start: 75 @1362 has 172 MA's), (Start: 114 @1473 has 15 MA's), (115, 1479), (136, 1557), (139, 1566), (150, 1614), (155, 1632), (172, 1701), (196, 1743), (200, 1749), (206, 1776), (207, 1779), (226, 1896), (228, 1905), (250, 1986), (294, 2100), (306, 2148), (309, 2160), (315, 2190), (319, 2214), (323, 2226), (357, 2310), (425, 2454), (442, 2487), (467, 2541), (546, 2718), (576, 2772),

Gene: Pitbull_2 Start: 374, Stop: 1795, Start Num: 91
Candidate Starts for Pitbull_2:
(39, 278), (46, 287), (Start: 69 @317 has 12 MA's), (Start: 91 @374 has 6 MA's), (Start: 92 @377 has 1 MA's), (98, 395), (Start: 113 @437 has 3 MA's), (140, 533), (141, 536), (148, 578), (152, 593), (154, 599), (162, 623), (167, 656), (172, 671), (177, 680), (212, 773), (228, 875), (229, 878), (238, 920), (241, 929), (271, 1022), (303, 1118), (306, 1127), (309, 1139), (329, 1232), (345, 1250), (366, 1310), (380, 1349), (384, 1355), (423, 1436), (429, 1448), (460, 1505), (461, 1508), (478, 1538), (492, 1571), (499, 1586), (501, 1589), (509, 1610), (516, 1622), (521, 1628), (561, 1745), (567, 1757), (573, 1784), (574, 1787),

Gene: Pixie_7 Start: 1239, Stop: 2663, Start Num: 75
Candidate Starts for Pixie_7:
(Start: 69 @1227 has 12 MA's), (Start: 75 @1239 has 172 MA's), (Start: 103 @1326 has 2 MA's), (Start: 114 @1350 has 15 MA's), (136, 1434), (139, 1443), (155, 1509), (161, 1527), (172, 1578), (196, 1620), (200, 1626), (206, 1653), (219, 1731), (226, 1773), (228, 1782), (250, 1863), (257, 1881), (294, 1977), (306, 2025), (309, 2037), (315, 2067), (319, 2091), (323, 2103), (357, 2187), (370, 2229), (374, 2241), (423, 2328), (425, 2331), (445, 2373), (452, 2388), (457, 2394), (466, 2415), (467, 2418), (546, 2595), (578, 2658),

Gene: Plagueis_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Plagueis_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Plumbus_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Plumbus_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (136, 881), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (161, 980), (162, 983), (169, 1022), (178, 1043),

(193, 1070), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: Pokerus_7 Start: 1547, Stop: 2968, Start Num: 75
Candidate Starts for Pokerus_7:
(31, 1475), (Start: 69 @1535 has 12 MA's), (Start: 75 @1547 has 172 MA's), (Start: 114 @1658 has 15 MA's), (115, 1664), (136, 1742), (139, 1751), (150, 1799), (155, 1817), (172, 1886), (196, 1928), (200, 1934), (206, 1961), (207, 1964), (226, 2081), (228, 2090), (250, 2171), (294, 2285), (306, 2333), (309, 2345), (315, 2375), (319, 2399), (323, 2411), (355, 2489), (357, 2495), (425, 2639), (442, 2672), (467, 2726), (546, 2903), (576, 2957),

Gene: Pollywog_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Pollywog_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Primanti_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Primanti_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Prithvi_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for Prithvi_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (355, 2504), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: Procrass1_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for Procrass1_2:
(77, 370), (Start: 80 @373 has 40 MA's), (Start: 87 @385 has 5 MA's), (89, 397), (Start: 92 @412 has 1 MA's), (115, 475), (121, 502), (122, 505), (136, 553), (139, 562), (141, 568), (146, 598), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (241, 1000), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (256, 1048), (259, 1063), (277, 1129), (287, 1150), (297, 1174), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (349, 1351), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (460, 1600), (465, 1615), (468, 1621), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (550, 1807), (564, 1837), (575, 1870), (577, 1876),

Gene: Prospero_4 Start: 800, Stop: 2290, Start Num: 63

Candidate Starts for Prospero_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Psycho_6 Start: 1349, Stop: 2776, Start Num: 81
Candidate Starts for Psycho_6:
(Start: 81 @1349 has 25 MA's), (98, 1406), (Start: 103 @1427 has 2 MA's), (Start: 114 @1451 has 15 MA's), (136, 1535), (139, 1544), (141, 1550), (149, 1589), (150, 1592), (155, 1610), (161, 1628), (172, 1679), (195, 1718), (206, 1754), (212, 1781), (219, 1832), (226, 1874), (228, 1883), (229, 1886), (250, 1964), (294, 2078), (306, 2126), (309, 2138), (315, 2168), (323, 2204), (328, 2231), (357, 2288), (389, 2372), (400, 2396), (440, 2474), (467, 2531), (482, 2555), (494, 2579), (546, 2708), (576, 2765),

Gene: Qhanda_9 Start: 2583, Stop: 3920, Start Num: 114
Candidate Starts for Qhanda_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3909), (578, 3915),

Gene: QueenBey_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for QueenBey_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (146, 603), (149, 612), (151, 618), (154, 627), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (218, 897), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (230, 966), (241, 1005), (244, 1026), (250, 1044), (252, 1047), (259, 1068), (277, 1134), (297, 1179), (303, 1206), (309, 1227), (321, 1287), (323, 1293), (338, 1335), (348, 1353), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (485, 1656), (490, 1671), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (543, 1797), (546, 1806), (550, 1812), (560, 1833), (575, 1875), (577, 1881),

Gene: Quico_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Quico_3:
(52, 660), (Start: 67 @672 has 92 MA's), (109, 789), (Start: 114 @798 has 15 MA's), (116, 807), (136, 882), (137, 885), (139, 891), (147, 936), (148, 939), (154, 960), (160, 978), (193, 1071), (201, 1089), (203, 1092), (206, 1116), (221, 1200), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (246, 1317), (251, 1329), (271, 1404), (281, 1434), (282, 1437), (294, 1482), (307, 1533), (309, 1542), (314, 1569), (321, 1602), (335, 1647), (355, 1680), (468, 1920), (477, 1935), (481, 1941), (494, 1965), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: QuincyRose_7 Start: 1613, Stop: 3034, Start Num: 75
Candidate Starts for QuincyRose_7:
(31, 1541), (Start: 69 @1601 has 12 MA's), (Start: 75 @1613 has 172 MA's), (Start: 114 @1724 has 15 MA's), (115, 1730), (136, 1808), (139, 1817), (150, 1865), (155, 1883), (172, 1952), (196, 1994), (200, 2000), (206, 2027), (207, 2030), (226, 2147), (228, 2156), (250, 2237), (294, 2351), (306, 2399), (309, 2411), (315, 2441), (319, 2465), (323, 2477), (355, 2555), (357, 2561), (425, 2705), (442, 2738), (467, 2792), (546, 2969), (576, 3023),

Gene: REQ2_02 Start: 393, Stop: 1919, Start Num: 69

Candidate Starts for REQ2_02:
(Start: 69 @393 has 12 MA's), (139, 606), (161, 696), (172, 747), (177, 756), (178, 759), (207, 825), (212, 849), (217, 885), (221, 906), (224, 933), (228, 951), (229, 954), (238, 996), (269, 1092), (303, 1194), (306, 1203), (315, 1248), (365, 1389), (462, 1617), (529, 1770), (547, 1821), (576, 1902),

Gene: Rabbs_2 Start: 456, Stop: 1892, Start Num: 83
Candidate Starts for Rabbs_2:
(Start: 24 @360 has 31 MA's), (Start: 83 @456 has 46 MA's), (Start: 85 @459 has 4 MA's), (Start: 92 @495 has 1 MA's), (Start: 103 @534 has 2 MA's), (150, 696), (172, 783), (177, 792), (186, 810), (195, 822), (221, 942), (226, 978), (230, 999), (237, 1020), (250, 1068), (255, 1077), (306, 1230), (318, 1290), (324, 1308), (346, 1359), (357, 1386), (361, 1401), (362, 1404), (403, 1485), (421, 1530), (460, 1605), (467, 1623), (480, 1644), (503, 1689), (512, 1707), (513, 1710), (546, 1803), (577, 1884),

Gene: Ramen_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Ramen_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Ramsey_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Ramsey_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Rando14_6 Start: 1416, Stop: 2843, Start Num: 81
Candidate Starts for Rando14_6:
(74, 1404), (Start: 81 @1416 has 25 MA's), (98, 1473), (Start: 103 @1494 has 2 MA's), (Start: 114 @1518 has 15 MA's), (136, 1602), (139, 1611), (149, 1656), (150, 1659), (155, 1677), (161, 1695), (172, 1746), (180, 1761), (206, 1821), (219, 1899), (226, 1941), (228, 1950), (229, 1953), (240, 1992), (250, 2031), (294, 2145), (301, 2175), (306, 2193), (315, 2235), (323, 2271), (328, 2298), (357, 2355), (389, 2439), (440, 2541), (467, 2598), (482, 2622), (494, 2646), (546, 2775), (576, 2832),

Gene: Rapunzel97_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Rapunzel97_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Raqqa_3 Start: 1118, Stop: 2458, Start Num: 111
Candidate Starts for Raqqa_3:
(71, 1001), (111, 1118), (Start: 113 @1121 has 3 MA's), (139, 1214), (158, 1298), (161, 1304), (172, 1355), (177, 1364), (226, 1550), (228, 1559), (229, 1562), (240, 1601), (241, 1604), (259, 1667), (291, 1742), (306, 1799), (358, 1970), (363, 1985), (387, 2045), (392, 2054), (402, 2075), (442, 2153), (445, 2162), (467, 2207), (474, 2219), (483, 2234), (494, 2264), (504, 2285), (546, 2390),

Gene: Rattrick_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Rattrick_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Raya_2 Start: 335, Stop: 1786, Start Num: 75
Candidate Starts for Raya_2:
(38, 293), (52, 311), (Start: 75 @335 has 172 MA's), (Start: 93 @389 has 6 MA's), (98, 404), (102, 422), (Start: 103 @425 has 2 MA's), (104, 428), (107, 437), (Start: 113 @446 has 3 MA's), (117, 458), (121, 479), (134, 515), (149, 590), (152, 602), (155, 611), (161, 629), (172, 680), (177, 689), (195, 719), (200, 728), (219, 833), (226, 875), (228, 884), (229, 887), (238, 920), (240, 926), (241, 929), (271, 1022), (272, 1028), (306, 1127), (342, 1256), (352, 1277), (366, 1319), (392, 1382), (408, 1415), (426, 1451), (445, 1490), (461, 1517), (483, 1562), (543, 1709),

Gene: Remy19_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Remy19_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Renaissance_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Renaissance_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Reptar3000_9 Start: 2501, Stop: 3841, Start Num: 114
Candidate Starts for Reptar3000_9:
(Start: 75 @2396 has 172 MA's), (Start: 114 @2501 has 15 MA's), (136, 2585), (139, 2594), (146, 2630), (150, 2642), (161, 2684), (172, 2735), (181, 2753), (200, 2783), (219, 2888), (226, 2930), (228, 2939), (229, 2942), (250, 3020), (255, 3029), (294, 3134), (304, 3176), (306, 3182), (315, 3224), (357, 3341), (369, 3383), (389, 3428), (423, 3497), (445, 3542), (457, 3563), (467, 3587), (513, 3671), (546, 3764), (576, 3830), (578, 3836),

Gene: Rialto_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Rialto_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Richarlison_2 Start: 455, Stop: 1891, Start Num: 83

Candidate Starts for Richarlison_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Richo_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for Richo_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: Rileysaurus_2 Start: 377, Stop: 1888, Start Num: 80
Candidate Starts for Rileysaurus_2:
(Start: 80 @377 has 40 MA's), (Start: 92 @416 has 1 MA's), (98, 434), (115, 479), (121, 506), (122, 509), (136, 557), (139, 566), (141, 572), (149, 611), (151, 617), (165, 668), (170, 692), (172, 698), (187, 737), (189, 746), (191, 749), (201, 788), (202, 791), (211, 851), (214, 860), (220, 905), (221, 908), (223, 929), (226, 944), (228, 953), (230, 965), (244, 1025), (249, 1040), (250, 1043), (252, 1046), (277, 1133), (297, 1178), (303, 1205), (309, 1226), (323, 1292), (349, 1355), (363, 1397), (421, 1529), (433, 1550), (434, 1553), (435, 1556), (441, 1568), (457, 1598), (459, 1601), (465, 1619), (468, 1625), (485, 1655), (506, 1703), (507, 1706), (546, 1805), (557, 1826), (560, 1832), (562, 1835), (575, 1874), (577, 1880),

Gene: RockyHorror_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for RockyHorror_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Ronaldo_37 Start: 10775, Stop: 12181, Start Num: 93
Candidate Starts for Ronaldo_37:
(72, 10718), (Start: 93 @10775 has 6 MA's), (133, 10901), (145, 10961), (148, 10970), (170, 11054), (190, 11108), (220, 11234), (222, 11240), (223, 11258), (238, 11324), (254, 11378), (262, 11411), (276, 11456), (309, 11549), (326, 11627), (349, 11672), (356, 11690), (375, 11753), (378, 11759), (444, 11885), (467, 11930), (477, 11948), (557, 12122),

Gene: Ronnie_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Ronnie_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Root_4 Start: 1296, Stop: 2876, Start Num: 30

Candidate Starts for Root_4:
(Start: 30 @1296 has 1 MA's), (55, 1347), (Start: 60 @1356 has 2 MA's), (Start: 93 @1443 has 6 MA's), (118, 1515), (121, 1533), (139, 1593), (140, 1596), (143, 1605), (146, 1635), (175, 1737), (199, 1779), (221, 1893), (222, 1896), (229, 1941), (239, 1986), (242, 1995), (301, 2175), (304, 2187), (306, 2193), (313, 2229), (316, 2241), (348, 2337), (377, 2424), (393, 2460), (396, 2472), (402, 2481), (408, 2493), (416, 2523), (425, 2541), (449, 2598), (462, 2622), (505, 2709), (520, 2733), (524, 2745), (532, 2772),

Gene: Rooter_2 Start: 342, Stop: 1781, Start Num: 78
Candidate Starts for Rooter_2:
(Start: 78 @342 has 5 MA's), (Start: 103 @417 has 2 MA's), (139, 525), (141, 531), (144, 549), (149, 576), (150, 579), (166, 642), (172, 666), (205, 744), (212, 774), (222, 834), (226, 867), (228, 876), (230, 888), (240, 918), (241, 921), (250, 957), (256, 969), (290, 1077), (298, 1104), (321, 1203), (355, 1284), (367, 1320), (378, 1350), (383, 1356), (403, 1395), (410, 1407), (415, 1422), (420, 1431), (423, 1437), (467, 1527), (520, 1623),

Gene: Rosmarinus_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Rosmarinus_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Ruriko_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Ruriko_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Ruthiejr_8 Start: 2201, Stop: 3646, Start Num: 75
Candidate Starts for Ruthiejr_8:
(Start: 75 @2201 has 172 MA's), (Start: 114 @2306 has 15 MA's), (136, 2390), (139, 2399), (150, 2447), (154, 2462), (161, 2489), (172, 2540), (181, 2558), (200, 2588), (206, 2615), (219, 2693), (226, 2735), (228, 2744), (229, 2747), (250, 2825), (255, 2834), (268, 2873), (294, 2939), (306, 2987), (315, 3029), (319, 3053), (357, 3146), (369, 3188), (389, 3233), (423, 3302), (445, 3347), (457, 3368), (467, 3392), (546, 3569), (576, 3635), (578, 3641),

Gene: Ryadel_33 Start: 13890, Stop: 15404, Start Num: 23
Candidate Starts for Ryadel_33:
(Start: 23 @13890 has 17 MA's), (Start: 25 @13893 has 15 MA's), (Start: 103 @14073 has 2 MA's), (134, 14166), (149, 14241), (158, 14274), (165, 14301), (172, 14331), (219, 14484), (221, 14490), (226, 14526), (228, 14535), (250, 14616), (255, 14625), (256, 14628), (269, 14667), (292, 14724), (301, 14760), (302, 14763), (354, 14919), (357, 14928), (383, 14997), (389, 15006), (392, 15012), (408, 15045), (425, 15081), (467, 15168), (480, 15189), (513, 15252), (514, 15255), (517, 15258), (524, 15276), (530, 15297), (544, 15339), (566, 15375), (573, 15387),

Gene: SKKY_2 Start: 385, Stop: 1896, Start Num: 80
Candidate Starts for SKKY_2:
(Start: 80 @385 has 40 MA's), (Start: 92 @424 has 1 MA's), (98, 442), (115, 487), (121, 514), (122, 517), (136, 565), (139, 574), (141, 580), (146, 610), (149, 619), (151, 625), (162, 658), (165, 676), (170,

700), (172, 706), (187, 745), (189, 754), (191, 757), (201, 796), (202, 799), (214, 868), (220, 913), (221, 916), (223, 937), (226, 952), (228, 961), (230, 973), (241, 1012), (244, 1033), (249, 1048), (250, 1051), (252, 1054), (256, 1060), (259, 1075), (277, 1141), (287, 1162), (309, 1234), (323, 1300), (332, 1333), (394, 1483), (398, 1492), (406, 1504), (421, 1537), (433, 1558), (434, 1561), (435, 1564), (441, 1576), (457, 1606), (468, 1633), (481, 1654), (488, 1675), (506, 1711), (507, 1714), (513, 1726), (520, 1738), (543, 1804), (546, 1813), (550, 1819), (560, 1840), (575, 1882), (577, 1888),

Gene: SamScheppers_7 Start: 2180, Stop: 3520, Start Num: 114
Candidate Starts for SamScheppers_7:
(Start: 75 @2075 has 172 MA's), (Start: 114 @2180 has 15 MA's), (136, 2264), (139, 2273), (146, 2309), (150, 2321), (154, 2336), (161, 2363), (172, 2414), (181, 2432), (200, 2462), (206, 2489), (219, 2567), (228, 2618), (229, 2621), (250, 2699), (255, 2708), (268, 2747), (294, 2813), (306, 2861), (315, 2903), (357, 3020), (369, 3062), (389, 3107), (423, 3176), (445, 3221), (457, 3242), (467, 3266), (546, 3443), (576, 3509), (578, 3515),

Gene: SamuelLPlaqson_8 Start: 1566, Stop: 2987, Start Num: 75
Candidate Starts for SamuelLPlaqson_8:
(31, 1494), (47, 1533), (Start: 69 @1554 has 12 MA's), (Start: 75 @1566 has 172 MA's), (Start: 114 @1677 has 15 MA's), (115, 1683), (136, 1761), (139, 1770), (150, 1818), (155, 1836), (172, 1905), (196, 1947), (200, 1953), (206, 1980), (207, 1983), (212, 2007), (226, 2100), (228, 2109), (250, 2190), (257, 2208), (294, 2304), (306, 2352), (309, 2364), (315, 2394), (319, 2418), (323, 2430), (355, 2508), (357, 2514), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: Sandman_4 Start: 874, Stop: 2364, Start Num: 63
Candidate Starts for Sandman_4:
(Start: 63 @874 has 39 MA's), (Start: 87 @919 has 5 MA's), (118, 1021), (121, 1039), (123, 1048), (139, 1099), (140, 1102), (143, 1111), (146, 1141), (154, 1168), (194, 1267), (216, 1366), (220, 1390), (221, 1393), (222, 1396), (229, 1441), (301, 1675), (313, 1723), (316, 1735), (325, 1774), (328, 1792), (334, 1804), (337, 1807), (348, 1828), (350, 1834), (355, 1846), (380, 1924), (405, 1978), (428, 2032), (435, 2044), (457, 2089), (482, 2137), (524, 2221), (542, 2278), (569, 2347),

Gene: Saphira_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Saphira_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296, 1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: Sarge_2 Start: 371, Stop: 1759, Start Num: 91
Candidate Starts for Sarge_2:
(5, 170), (6, 173), (10, 185), (37, 257), (Start: 69 @311 has 12 MA's), (Start: 91 @371 has 6 MA's), (98, 392), (Start: 103 @413 has 2 MA's), (117, 446), (127, 482), (139, 527), (140, 530), (145, 566), (150, 581), (158, 611), (165, 638), (200, 716), (212, 770), (228, 872), (229, 875), (259, 980), (303, 1106), (306, 1115), (353, 1256), (355, 1262), (357, 1268), (378, 1328), (383, 1334), (403, 1373), (415, 1400), (420, 1409), (460, 1487), (467, 1505), (498, 1562), (550, 1682), (558, 1703), (576, 1748),

Gene: Sarma624_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Sarma624_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199),

(223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Scarlett_7 Start: 1481, Stop: 2905, Start Num: 75
Candidate Starts for Scarlett_7:
(Start: 75 @1481 has 172 MA's), (Start: 103 @1568 has 2 MA's), (Start: 114 @1592 has 15 MA's), (115, 1598), (136, 1676), (139, 1685), (141, 1691), (150, 1733), (155, 1751), (161, 1769), (172, 1820), (195, 1859), (206, 1895), (219, 1973), (226, 2015), (228, 2024), (250, 2105), (294, 2219), (304, 2261), (306, 2267), (309, 2279), (315, 2309), (319, 2333), (323, 2345), (326, 2360), (357, 2429), (370, 2471), (423, 2570), (440, 2603), (442, 2606), (460, 2642), (467, 2660), (576, 2894),

Gene: Schiebel_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Schiebel_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: SchoolBus_30 Start: 13077, Stop: 14591, Start Num: 23
Candidate Starts for SchoolBus_30:
(Start: 23 @13077 has 17 MA's), (Start: 25 @13080 has 15 MA's), (Start: 103 @13260 has 2 MA's), (134, 13353), (149, 13428), (158, 13461), (165, 13488), (172, 13518), (219, 13671), (221, 13677), (226, 13713), (228, 13722), (250, 13803), (255, 13812), (256, 13815), (269, 13854), (292, 13911), (301, 13947), (302, 13950), (354, 14106), (357, 14115), (383, 14184), (389, 14193), (392, 14199), (408, 14232), (425, 14268), (467, 14355), (480, 14376), (513, 14439), (514, 14442), (517, 14445), (524, 14463), (530, 14484), (544, 14526), (566, 14562), (573, 14574),

Gene: Schuy_32 Start: 13466, Stop: 14977, Start Num: 25
Candidate Starts for Schuy_32:
(Start: 23 @13463 has 17 MA's), (Start: 25 @13466 has 15 MA's), (Start: 103 @13646 has 2 MA's), (134, 13739), (149, 13814), (158, 13847), (165, 13874), (172, 13904), (219, 14057), (221, 14063), (226, 14099), (228, 14108), (250, 14189), (255, 14198), (256, 14201), (269, 14240), (292, 14297), (301, 14333), (302, 14336), (354, 14492), (357, 14501), (383, 14570), (389, 14579), (392, 14585), (408, 14618), (425, 14654), (467, 14741), (480, 14762), (513, 14825), (514, 14828), (517, 14831), (524, 14849), (530, 14870), (544, 14912), (566, 14948), (573, 14960),

Gene: Seagreen_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Seagreen_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102),

Gene: SerialPhiller_2 Start: 412, Stop: 1926, Start Num: 48
Candidate Starts for SerialPhiller_2:
(Start: 28 @361 has 1 MA's), (Start: 48 @412 has 2 MA's), (Start: 57 @424 has 4 MA's), (65, 448), (82, 472), (118, 583), (123, 610), (143, 673), (146, 703), (149, 712), (154, 730), (199, 841), (206, 874), (221,

955), (229, 1003), (247, 1084), (296, 1219), (303, 1246), (316, 1297), (324, 1330), (393, 1513), (435, 1606), (452, 1645), (457, 1651), (462, 1660), (482, 1699), (524, 1783), (526, 1798), (548, 1858), (559, 1888),

Gene: Seume_4 Start: 596, Stop: 2086, Start Num: 63
Candidate Starts for Seume_4:
(Start: 63 @596 has 39 MA's), (Start: 87 @641 has 5 MA's), (118, 743), (121, 761), (123, 770), (139, 821), (140, 824), (143, 833), (146, 863), (154, 890), (194, 989), (216, 1088), (220, 1112), (221, 1115), (222, 1118), (229, 1163), (271, 1313), (301, 1397), (313, 1445), (316, 1457), (325, 1496), (328, 1514), (334, 1526), (337, 1529), (348, 1550), (350, 1556), (355, 1568), (380, 1646), (405, 1700), (428, 1754), (435, 1766), (482, 1859), (524, 1943), (542, 2000), (569, 2069),

Gene: SgtBeansprout_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for SgtBeansprout_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: ShaboiShabazz_2 Start: 458, Stop: 1891, Start Num: 85
Candidate Starts for ShaboiShabazz_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Shadow1_6 Start: 1423, Stop: 2850, Start Num: 75
Candidate Starts for Shadow1_6:
(26, 1339), (Start: 75 @1423 has 172 MA's), (Start: 103 @1513 has 2 MA's), (Start: 114 @1537 has 15 MA's), (136, 1621), (139, 1630), (150, 1678), (155, 1696), (172, 1765), (195, 1804), (206, 1840), (219, 1918), (226, 1960), (228, 1969), (250, 2050), (268, 2098), (294, 2164), (304, 2206), (306, 2212), (309, 2224), (310, 2230), (315, 2254), (319, 2278), (321, 2284), (326, 2305), (357, 2374), (370, 2416), (420, 2509), (423, 2515), (425, 2518), (442, 2551), (457, 2581), (467, 2605), (494, 2653), (546, 2782), (576, 2839), (578, 2845),

Gene: Shaobing_8 Start: 1660, Stop: 3090, Start Num: 75
Candidate Starts for Shaobing_8:
(40, 1618), (Start: 69 @1648 has 12 MA's), (Start: 75 @1660 has 172 MA's), (Start: 103 @1750 has 2 MA's), (Start: 114 @1774 has 15 MA's), (115, 1780), (125, 1819), (136, 1858), (139, 1867), (141, 1873), (150, 1915), (155, 1933), (161, 1951), (172, 2002), (200, 2050), (226, 2197), (228, 2206), (268, 2335), (294, 2401), (304, 2443), (306, 2449), (309, 2461), (315, 2491), (319, 2515), (326, 2542), (357, 2611), (370, 2653), (389, 2683), (400, 2707), (425, 2755), (457, 2818), (467, 2842), (494, 2893), (514, 2932), (546, 3022), (568, 3061), (576, 3079), (578, 3085),

Gene: ShawBrad_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for ShawBrad_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (272, 1411), (294, 1483), (300, 1507),

(309, 1543), (314, 1570), (321, 1603), (343, 1657), (390, 1759), (403, 1786), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: ShedlockHolmes_7 Start: 1488, Stop: 2912, Start Num: 75
Candidate Starts for ShedlockHolmes_7:
(Start: 69 @1476 has 12 MA's), (Start: 75 @1488 has 172 MA's), (Start: 103 @1575 has 2 MA's), (Start: 114 @1599 has 15 MA's), (136, 1683), (139, 1692), (150, 1740), (155, 1758), (161, 1776), (172, 1827), (196, 1869), (200, 1875), (206, 1902), (219, 1980), (226, 2022), (228, 2031), (250, 2112), (257, 2130), (294, 2226), (306, 2274), (309, 2286), (315, 2316), (319, 2340), (323, 2352), (357, 2436), (370, 2478), (423, 2577), (425, 2580), (445, 2622), (452, 2637), (457, 2643), (466, 2664), (467, 2667), (546, 2844), (578, 2907),

Gene: ShiaSurprise_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for ShiaSurprise_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Shida_31 Start: 13370, Stop: 14884, Start Num: 23
Candidate Starts for Shida_31:
(Start: 23 @13370 has 17 MA's), (Start: 25 @13373 has 15 MA's), (Start: 103 @13553 has 2 MA's), (134, 13646), (135, 13649), (149, 13721), (158, 13754), (165, 13781), (172, 13811), (219, 13964), (221, 13970), (226, 14006), (228, 14015), (250, 14096), (255, 14105), (256, 14108), (269, 14147), (292, 14204), (301, 14240), (302, 14243), (354, 14399), (357, 14408), (383, 14477), (389, 14486), (392, 14492), (408, 14525), (425, 14561), (467, 14648), (480, 14669), (513, 14732), (514, 14735), (517, 14738), (524, 14756), (530, 14777), (544, 14819), (566, 14855), (573, 14867),

Gene: Shoya_2 Start: 342, Stop: 1781, Start Num: 78
Candidate Starts for Shoya_2:
(Start: 78 @342 has 5 MA's), (Start: 103 @417 has 2 MA's), (139, 525), (141, 531), (144, 549), (149, 576), (150, 579), (166, 642), (172, 666), (205, 744), (212, 774), (222, 834), (226, 867), (228, 876), (230, 888), (240, 918), (241, 921), (250, 957), (256, 969), (290, 1077), (298, 1104), (321, 1203), (355, 1284), (367, 1320), (378, 1350), (383, 1356), (403, 1395), (410, 1407), (415, 1422), (420, 1431), (423, 1437), (467, 1527), (520, 1623),

Gene: SilverChicken_3 Start: 663, Stop: 2183, Start Num: 67
Candidate Starts for SilverChicken_3:
(52, 651), (Start: 67 @663 has 92 MA's), (Start: 114 @789 has 15 MA's), (116, 798), (130, 843), (136, 873), (137, 876), (139, 882), (147, 927), (154, 951), (161, 972), (169, 1014), (178, 1035), (193, 1062), (201, 1080), (203, 1083), (206, 1107), (212, 1134), (221, 1191), (226, 1227), (228, 1236), (230, 1248), (231, 1254), (237, 1269), (241, 1281), (246, 1308), (248, 1314), (251, 1320), (260, 1356), (261, 1365), (271, 1395), (281, 1425), (282, 1428), (307, 1524), (309, 1533), (314, 1560), (340, 1644), (349, 1659), (397, 1770), (403, 1779), (408, 1788), (440, 1851), (477, 1926), (484, 1938), (494, 1956), (513, 1992), (530, 2034), (533, 2040), (546, 2082), (552, 2094), (556, 2106), (580, 2172),

Gene: SimranZ1_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for SimranZ1_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397),

(271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: SirPhilip_7 Start: 1382, Stop: 2806, Start Num: 75
Candidate Starts for SirPhilip_7:
(26, 1298), (Start: 69 @1370 has 12 MA's), (Start: 75 @1382 has 172 MA's), (Start: 103 @1469 has 2 MA's), (Start: 114 @1493 has 15 MA's), (115, 1499), (136, 1577), (139, 1586), (150, 1634), (155, 1652), (161, 1670), (165, 1691), (172, 1721), (174, 1724), (226, 1916), (228, 1925), (250, 2006), (294, 2120), (304, 2162), (306, 2168), (309, 2180), (315, 2210), (319, 2234), (323, 2246), (326, 2261), (357, 2330), (370, 2372), (423, 2471), (425, 2474), (440, 2504), (442, 2507), (460, 2543), (467, 2561), (546, 2738), (576, 2795), (578, 2801),

Gene: Sizemore_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Sizemore_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Skitty_2 Start: 424, Stop: 1761, Start Num: 113
Candidate Starts for Skitty_2:
(Start: 76 @316 has 1 MA's), (Start: 113 @424 has 3 MA's), (115, 430), (123, 466), (127, 472), (172, 658), (177, 667), (218, 805), (222, 820), (226, 853), (228, 862), (229, 865), (237, 895), (238, 898), (240, 904), (241, 907), (250, 943), (306, 1102), (309, 1114), (328, 1210), (352, 1252), (355, 1261), (358, 1273), (392, 1357), (425, 1423), (440, 1453), (442, 1456), (445, 1465), (461, 1492), (474, 1522), (483, 1537), (546, 1693),

Gene: Skyerus_2 Start: 335, Stop: 1786, Start Num: 75
Candidate Starts for Skyerus_2:
(38, 293), (52, 311), (Start: 75 @335 has 172 MA's), (Start: 93 @389 has 6 MA's), (98, 404), (102, 422), (Start: 103 @425 has 2 MA's), (104, 428), (107, 437), (Start: 113 @446 has 3 MA's), (117, 458), (121, 479), (134, 515), (149, 590), (152, 602), (155, 611), (161, 629), (172, 680), (177, 689), (195, 719), (200, 728), (219, 833), (226, 875), (228, 884), (229, 887), (238, 920), (240, 926), (241, 929), (271, 1022), (272, 1028), (306, 1127), (342, 1256), (352, 1277), (366, 1319), (392, 1382), (408, 1415), (426, 1451), (445, 1490), (461, 1517), (483, 1562), (543, 1709),

Gene: Slarp_9 Start: 2478, Stop: 3920, Start Num: 75
Candidate Starts for Slarp_9:
(Start: 75 @2478 has 172 MA's), (Start: 114 @2583 has 15 MA's), (136, 2667), (139, 2676), (146, 2712), (150, 2724), (154, 2739), (161, 2766), (172, 2817), (181, 2835), (200, 2865), (206, 2892), (219, 2970), (228, 3021), (229, 3024), (250, 3102), (255, 3111), (268, 3150), (294, 3216), (306, 3264), (315, 3306), (357, 3423), (369, 3465), (389, 3510), (423, 3579), (445, 3624), (457, 3645), (467, 3669), (546, 3846), (576, 3909), (578, 3915),

Gene: Sleepyhead_2 Start: 439, Stop: 1917, Start Num: 70
Candidate Starts for Sleepyhead_2:
(Start: 70 @439 has 1 MA's), (154, 712), (183, 808), (221, 967), (222, 970), (259, 1126), (301, 1243), (316, 1309), (378, 1486), (388, 1498), (407, 1537), (415, 1555), (421, 1567), (444, 1609), (467, 1654), (560, 1864),

Gene: Slim_3 Start: 672, Stop: 2159, Start Num: 67

Candidate Starts for Slim_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Slimphazie_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Slimphazie_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Smilerella_2 Start: 176, Stop: 1804, Start Num: 51
Candidate Starts for Smilerella_2:
(Start: 51 @176 has 2 MA's), (74, 224), (96, 278), (128, 380), (131, 389), (138, 422), (146, 467), (150, 479), (161, 515), (163, 527), (176, 575), (199, 620), (204, 632), (213, 686), (219, 731), (228, 782), (233, 806), (240, 833), (274, 971), (288, 1007), (303, 1067), (376, 1307), (418, 1409), (424, 1421), (451, 1475), (470, 1511), (472, 1514), (496, 1559), (511, 1589), (522, 1607), (572, 1751), (579, 1778),

Gene: Smooch_33 Start: 14621, Stop: 16135, Start Num: 23
Candidate Starts for Smooch_33:
(Start: 23 @14621 has 17 MA's), (Start: 25 @14624 has 15 MA's), (Start: 103 @14804 has 2 MA's), (134, 14897), (149, 14972), (158, 15005), (165, 15032), (172, 15062), (219, 15215), (221, 15221), (226, 15257), (228, 15266), (250, 15347), (255, 15356), (256, 15359), (269, 15398), (292, 15455), (301, 15491), (302, 15494), (354, 15650), (357, 15659), (383, 15728), (389, 15737), (392, 15743), (408, 15776), (425, 15812), (467, 15899), (480, 15920), (513, 15983), (514, 15986), (517, 15989), (524, 16007), (530, 16028), (544, 16070), (566, 16106), (573, 16118),

Gene: Sneeze_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for Sneeze_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: SoSeph_6 Start: 1347, Stop: 2774, Start Num: 81
Candidate Starts for SoSeph_6:
(26, 1254), (Start: 81 @1347 has 25 MA's), (98, 1404), (Start: 103 @1425 has 2 MA's), (Start: 114 @1449 has 15 MA's), (136, 1533), (139, 1542), (141, 1548), (150, 1590), (155, 1608), (161, 1626), (172, 1677), (206, 1752), (219, 1830), (226, 1872), (228, 1881), (229, 1884), (250, 1962), (294, 2076), (306, 2124), (315, 2166), (319, 2190), (323, 2202), (328, 2229), (353, 2274), (357, 2286), (420, 2433), (440, 2472), (467, 2529), (482, 2553), (494, 2577), (506, 2601), (544, 2700), (546, 2706), (576, 2763),

Gene: Solid_2 Start: 377, Stop: 1888, Start Num: 80
Candidate Starts for Solid_2:
(Start: 80 @377 has 40 MA's), (Start: 92 @416 has 1 MA's), (98, 434), (107, 461), (115, 479), (121, 506), (122, 509), (136, 557), (139, 566), (141, 572), (149, 611), (151, 617), (162, 650), (165, 668), (170,

692), (172, 698), (187, 737), (189, 746), (191, 749), (201, 788), (202, 791), (214, 860), (220, 905), (221, 908), (223, 929), (226, 944), (228, 953), (244, 1025), (250, 1043), (252, 1046), (256, 1052), (259, 1067), (277, 1133), (287, 1154), (297, 1178), (309, 1226), (323, 1292), (332, 1325), (349, 1355), (363, 1397), (394, 1475), (398, 1484), (406, 1496), (421, 1529), (433, 1550), (434, 1553), (435, 1556), (441, 1568), (457, 1598), (460, 1604), (468, 1625), (481, 1646), (488, 1667), (506, 1703), (507, 1706), (513, 1718), (543, 1796), (546, 1805), (550, 1811), (553, 1820), (575, 1874), (577, 1880),

Gene: Soul22_3 Start: 663, Stop: 2183, Start Num: 67
Candidate Starts for Soul22_3:
(52, 651), (Start: 67 @663 has 92 MA's), (Start: 114 @789 has 15 MA's), (116, 798), (130, 843), (136, 873), (137, 876), (139, 882), (147, 927), (154, 951), (161, 972), (169, 1014), (178, 1035), (193, 1062), (201, 1080), (203, 1083), (206, 1107), (212, 1134), (221, 1191), (226, 1227), (228, 1236), (230, 1248), (231, 1254), (237, 1269), (241, 1281), (248, 1314), (251, 1320), (260, 1356), (261, 1365), (271, 1395), (281, 1425), (282, 1428), (307, 1524), (309, 1533), (314, 1560), (340, 1644), (349, 1659), (397, 1770), (403, 1779), (408, 1788), (440, 1851), (477, 1926), (484, 1938), (494, 1956), (513, 1992), (530, 2034), (533, 2040), (546, 2082), (552, 2094), (556, 2106), (580, 2172),

Gene: Sourignavong_5 Start: 901, Stop: 2391, Start Num: 63
Candidate Starts for Sourignavong_5:
(Start: 63 @901 has 39 MA's), (Start: 87 @946 has 5 MA's), (112, 1030), (118, 1048), (121, 1066), (123, 1075), (139, 1126), (140, 1129), (143, 1138), (146, 1168), (154, 1195), (194, 1294), (216, 1393), (220, 1417), (221, 1420), (222, 1423), (229, 1468), (301, 1702), (313, 1750), (316, 1762), (325, 1801), (328, 1819), (334, 1831), (337, 1834), (348, 1855), (350, 1861), (355, 1873), (380, 1951), (405, 2005), (428, 2059), (435, 2071), (482, 2164), (524, 2248), (542, 2305), (569, 2374),

Gene: Spartoi_2 Start: 378, Stop: 1808, Start Num: 76
Candidate Starts for Spartoi_2:
(41, 339), (56, 357), (Start: 76 @378 has 1 MA's), (102, 450), (Start: 113 @474 has 3 MA's), (123, 516), (134, 543), (144, 591), (145, 606), (161, 657), (172, 708), (178, 720), (218, 855), (222, 870), (226, 903), (228, 912), (229, 915), (240, 954), (241, 957), (306, 1152), (315, 1197), (355, 1302), (403, 1422), (425, 1464), (436, 1485), (442, 1497), (483, 1581), (487, 1596), (541, 1719), (558, 1764),

Gene: Spikelee_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Spikelee_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Spock_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Spock_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Spooky_3 Start: 672, Stop: 2189, Start Num: 67
Candidate Starts for Spooky_3:

(Start: 54 @663 has 1 MA's), (Start: 67 @672 has 92 MA's), (109, 789), (Start: 114 @798 has 15 MA's), (116, 807), (137, 885), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (181, 1050), (193, 1071), (201, 1089), (203, 1092), (204, 1095), (206, 1116), (212, 1143), (221, 1200), (223, 1221), (230, 1257), (231, 1263), (237, 1278), (241, 1290), (251, 1329), (272, 1410), (286, 1452), (307, 1533), (309, 1542), (314, 1569), (323, 1608), (328, 1635), (343, 1656), (390, 1758), (403, 1785), (477, 1932), (484, 1944), (494, 1962), (530, 2040), (531, 2043), (533, 2046), (546, 2088), (552, 2100), (556, 2112),

Gene: Sputnik_3 Start: 604, Stop: 2115, Start Num: 60
Candidate Starts for Sputnik_3:
(35, 562), (Start: 60 @604 has 2 MA's), (118, 763), (132, 808), (141, 847), (143, 853), (146, 883), (150, 895), (155, 913), (194, 1009), (216, 1108), (220, 1132), (221, 1135), (229, 1183), (235, 1213), (239, 1228), (242, 1237), (243, 1246), (253, 1270), (303, 1426), (305, 1429), (316, 1477), (330, 1537), (333, 1546), (348, 1573), (366, 1624), (397, 1711), (408, 1729), (435, 1801), (456, 1843), (458, 1846), (472, 1876), (489, 1909), (491, 1912), (500, 1930),

Gene: Squiddly_4 Start: 1362, Stop: 2879, Start Num: 67
Candidate Starts for Squiddly_4:
(Start: 54 @1353 has 1 MA's), (Start: 67 @1362 has 92 MA's), (109, 1479), (Start: 114 @1488 has 15 MA's), (116, 1497), (135, 1560), (137, 1575), (141, 1587), (147, 1626), (160, 1668), (161, 1671), (169, 1713), (181, 1740), (193, 1761), (201, 1779), (203, 1782), (204, 1785), (206, 1806), (212, 1833), (221, 1890), (230, 1947), (231, 1953), (237, 1968), (241, 1980), (272, 2100), (286, 2142), (307, 2223), (309, 2232), (314, 2259), (323, 2298), (328, 2325), (343, 2346), (390, 2448), (403, 2475), (477, 2622), (484, 2634), (494, 2652), (530, 2730), (531, 2733), (533, 2736), (546, 2778), (552, 2790), (556, 2802),

Gene: Squirty_3 Start: 670, Stop: 2157, Start Num: 67
Candidate Starts for Squirty_3:
(52, 658), (Start: 67 @670 has 92 MA's), (Start: 114 @796 has 15 MA's), (115, 802), (127, 844), (130, 850), (137, 883), (139, 889), (141, 895), (147, 934), (154, 958), (160, 976), (161, 979), (169, 1021), (178, 1042), (193, 1069), (197, 1078), (201, 1087), (203, 1090), (212, 1141), (221, 1198), (223, 1219), (228, 1243), (230, 1255), (237, 1276), (241, 1288), (248, 1321), (251, 1327), (269, 1396), (271, 1402), (282, 1435), (291, 1471), (307, 1531), (309, 1540), (314, 1567), (335, 1645), (374, 1741), (403, 1786), (440, 1858), (460, 1897), (477, 1933), (481, 1939), (494, 1963), (510, 1993), (513, 1999), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Stap_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Stap_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Starcevich_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Starcevich_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045),

(533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Stargaze_2 Start: 344, Stop: 1912, Start Num: 24
Candidate Starts for Stargaze_2:
(Start: 24 @344 has 31 MA's), (138, 647), (150, 698), (161, 734), (177, 794), (218, 947), (219, 953), (221, 959), (226, 995), (230, 1016), (240, 1046), (250, 1085), (255, 1094), (306, 1247), (312, 1277), (323, 1322), (324, 1325), (357, 1403), (365, 1427), (389, 1472), (425, 1553), (442, 1586), (445, 1595), (452, 1610), (457, 1616), (460, 1622), (506, 1712), (512, 1724), (513, 1727), (546, 1820), (576, 1901),

Gene: StewieGriff_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for StewieGriff_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (123, 974), (139, 1025), (143, 1037), (146, 1067), (150, 1079), (154, 1094), (171, 1160), (199, 1205), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (234, 1391), (236, 1400), (263, 1466), (273, 1529), (279, 1541), (296, 1583), (301, 1601), (316, 1661), (328, 1718), (334, 1730), (348, 1754), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (439, 1979), (476, 2054), (482, 2063), (495, 2090), (524, 2147), (541, 2201), (569, 2273),

Gene: Stinson_8 Start: 1568, Stop: 2989, Start Num: 75
Candidate Starts for Stinson_8:
(31, 1496), (Start: 69 @1556 has 12 MA's), (Start: 75 @1568 has 172 MA's), (Start: 114 @1679 has 15 MA's), (115, 1685), (136, 1763), (139, 1772), (150, 1820), (155, 1838), (161, 1856), (172, 1907), (196, 1949), (200, 1955), (206, 1982), (207, 1985), (219, 2060), (226, 2102), (228, 2111), (250, 2192), (294, 2306), (306, 2354), (309, 2366), (315, 2396), (319, 2420), (323, 2432), (326, 2447), (357, 2516), (425, 2660), (442, 2693), (467, 2747), (546, 2924), (576, 2978),

Gene: Stormborn_2 Start: 379, Stop: 1890, Start Num: 80
Candidate Starts for Stormborn_2:
(Start: 80 @379 has 40 MA's), (98, 436), (115, 481), (121, 508), (122, 511), (136, 559), (139, 568), (141, 574), (146, 604), (149, 613), (151, 619), (162, 652), (165, 670), (170, 694), (172, 700), (187, 739), (189, 748), (191, 751), (201, 790), (202, 793), (211, 853), (214, 862), (220, 907), (221, 910), (223, 931), (226, 946), (230, 967), (244, 1027), (249, 1042), (250, 1045), (252, 1048), (277, 1135), (297, 1180), (309, 1228), (321, 1288), (323, 1294), (332, 1327), (343, 1345), (349, 1357), (394, 1477), (398, 1486), (421, 1531), (433, 1552), (434, 1555), (435, 1558), (441, 1570), (448, 1585), (457, 1600), (459, 1603), (465, 1621), (468, 1627), (506, 1705), (507, 1708), (513, 1720), (546, 1807), (557, 1828), (560, 1834), (575, 1876), (577, 1882),

Gene: Stratus_4 Start: 874, Stop: 2364, Start Num: 63
Candidate Starts for Stratus_4:
(Start: 63 @874 has 39 MA's), (Start: 87 @919 has 5 MA's), (118, 1021), (121, 1039), (123, 1048), (139, 1099), (140, 1102), (143, 1111), (146, 1141), (154, 1168), (194, 1267), (216, 1366), (220, 1390), (221, 1393), (222, 1396), (229, 1441), (301, 1675), (313, 1723), (316, 1735), (325, 1774), (328, 1792), (334, 1804), (337, 1807), (348, 1828), (350, 1834), (355, 1846), (380, 1924), (405, 1978), (428, 2032), (435, 2044), (457, 2089), (482, 2137), (524, 2221), (542, 2278), (569, 2347),

Gene: StrawberryLem_2 Start: 349, Stop: 1851, Start Num: 57
Candidate Starts for StrawberryLem_2:
(Start: 57 @349 has 4 MA's), (65, 373), (118, 508), (119, 520), (121, 526), (123, 535), (143, 598), (146, 628), (149, 637), (154, 655), (194, 754), (199, 766), (206, 799), (221, 880), (229, 928), (247, 1009), (296, 1144), (313, 1210), (316, 1222), (324, 1255), (328, 1279), (380, 1411), (393, 1438), (435, 1531), (476, 1615), (482, 1624), (524, 1708), (526, 1723), (548, 1783), (559, 1813),

Gene: Strobilo_4 Start: 652, Stop: 2076, Start Num: 75

Candidate Starts for Strobilo_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (196, 1024), (200, 1030), (206, 1057), (220, 1138), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (353, 1576), (357, 1588), (370, 1630), (389, 1660), (402, 1687), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (576, 2065),

Gene: Sulley_8 Start: 1575, Stop: 2996, Start Num: 75
Candidate Starts for Sulley_8:
(31, 1503), (Start: 69 @1563 has 12 MA's), (Start: 75 @1575 has 172 MA's), (Start: 114 @1686 has 15 MA's), (115, 1692), (136, 1770), (139, 1779), (150, 1827), (155, 1845), (172, 1914), (196, 1956), (200, 1962), (226, 2109), (228, 2118), (257, 2217), (294, 2313), (306, 2361), (309, 2373), (315, 2403), (319, 2427), (323, 2439), (326, 2454), (357, 2523), (425, 2667), (467, 2754), (546, 2931), (576, 2985),

Gene: Sunflower1121_6 Start: 1422, Stop: 2849, Start Num: 75
Candidate Starts for Sunflower1121_6:
(26, 1338), (Start: 75 @1422 has 172 MA's), (Start: 103 @1512 has 2 MA's), (Start: 114 @1536 has 15 MA's), (136, 1620), (139, 1629), (150, 1677), (155, 1695), (172, 1764), (195, 1803), (206, 1839), (219, 1917), (226, 1959), (228, 1968), (250, 2049), (268, 2097), (294, 2163), (304, 2205), (306, 2211), (309, 2223), (310, 2229), (315, 2253), (319, 2277), (321, 2283), (326, 2304), (357, 2373), (370, 2415), (420, 2508), (423, 2514), (425, 2517), (442, 2550), (457, 2580), (467, 2604), (494, 2652), (546, 2781), (576, 2838), (578, 2844),

Gene: Supernova_2 Start: 373, Stop: 1884, Start Num: 80
Candidate Starts for Supernova_2:
(Start: 80 @373 has 40 MA's), (Start: 92 @412 has 1 MA's), (98, 430), (107, 457), (115, 475), (121, 502), (122, 505), (129, 523), (136, 553), (139, 562), (146, 598), (149, 607), (151, 613), (162, 646), (165, 664), (170, 688), (172, 694), (187, 733), (189, 742), (191, 745), (201, 784), (202, 787), (214, 856), (220, 901), (221, 904), (223, 925), (226, 940), (228, 949), (230, 961), (241, 1000), (244, 1021), (249, 1036), (250, 1039), (252, 1042), (259, 1063), (277, 1129), (287, 1150), (300, 1186), (303, 1201), (309, 1222), (323, 1288), (332, 1321), (343, 1339), (363, 1393), (394, 1471), (398, 1480), (406, 1492), (409, 1498), (421, 1525), (433, 1546), (434, 1549), (435, 1552), (441, 1564), (457, 1594), (459, 1597), (465, 1615), (468, 1621), (481, 1642), (488, 1663), (506, 1699), (507, 1702), (513, 1714), (520, 1726), (543, 1792), (546, 1801), (550, 1807), (560, 1828), (575, 1870), (577, 1876),

Gene: Sweets_2 Start: 458, Stop: 1891, Start Num: 85
Candidate Starts for Sweets_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Swenson_4 Start: 923, Stop: 2413, Start Num: 63
Candidate Starts for Swenson_4:
(Start: 63 @923 has 39 MA's), (Start: 87 @968 has 5 MA's), (118, 1070), (123, 1097), (139, 1148), (143, 1160), (146, 1190), (150, 1202), (154, 1217), (171, 1283), (199, 1328), (216, 1415), (220, 1439), (221, 1442), (222, 1445), (229, 1490), (234, 1514), (236, 1523), (263, 1589), (273, 1652), (279, 1664), (296, 1706), (301, 1724), (316, 1784), (328, 1841), (334, 1853), (348, 1877), (355, 1895), (380, 1973), (405, 2027), (428, 2081), (435, 2093), (439, 2102), (476, 2177), (482, 2186), (495, 2213), (524, 2270), (541, 2324), (569, 2396),

Gene: Syra333_7 Start: 1527, Stop: 2954, Start Num: 75
Candidate Starts for Syra333_7:
(Start: 75 @1527 has 172 MA's), (Start: 103 @1617 has 2 MA's), (Start: 114 @1641 has 15 MA's), (115, 1647), (136, 1725), (139, 1734), (150, 1782), (155, 1800), (172, 1869), (195, 1908), (206, 1944), (207, 1947), (219, 2022), (226, 2064), (228, 2073), (250, 2154), (268, 2202), (294, 2268), (304, 2310), (306, 2316), (309, 2328), (310, 2334), (315, 2358), (321, 2388), (326, 2409), (357, 2478), (370, 2520), (420, 2613), (425, 2622), (442, 2655), (457, 2685), (467, 2709), (494, 2757), (546, 2886), (576, 2943), (578, 2949),

Gene: TBond007_7 Start: 1226, Stop: 2662, Start Num: 69
Candidate Starts for TBond007_7:
(Start: 69 @1226 has 12 MA's), (Start: 75 @1238 has 172 MA's), (Start: 103 @1325 has 2 MA's), (Start: 114 @1349 has 15 MA's), (136, 1433), (139, 1442), (155, 1508), (161, 1526), (172, 1577), (196, 1619), (200, 1625), (206, 1652), (226, 1772), (228, 1781), (250, 1862), (257, 1880), (294, 1976), (306, 2024), (309, 2036), (315, 2066), (319, 2090), (323, 2102), (357, 2186), (370, 2228), (374, 2240), (423, 2327), (425, 2330), (445, 2372), (452, 2387), (457, 2393), (466, 2414), (467, 2417), (546, 2594), (578, 2657),

Gene: TClif_7 Start: 1462, Stop: 2889, Start Num: 75
Candidate Starts for TClif_7:
(26, 1378), (Start: 69 @1450 has 12 MA's), (Start: 75 @1462 has 172 MA's), (Start: 103 @1552 has 2 MA's), (Start: 114 @1576 has 15 MA's), (136, 1660), (139, 1669), (150, 1717), (155, 1735), (161, 1753), (172, 1804), (195, 1843), (200, 1852), (206, 1879), (219, 1957), (226, 1999), (228, 2008), (250, 2089), (268, 2137), (294, 2203), (304, 2245), (306, 2251), (315, 2293), (326, 2344), (357, 2413), (370, 2455), (389, 2485), (423, 2554), (425, 2557), (442, 2590), (445, 2599), (467, 2644), (494, 2692), (546, 2821), (576, 2878), (578, 2884),

Gene: TM4_4 Start: 664, Stop: 2088, Start Num: 75
Candidate Starts for TM4_4:
(26, 586), (31, 598), (33, 607), (Start: 75 @664 has 172 MA's), (98, 727), (Start: 103 @748 has 2 MA's), (Start: 113 @769 has 3 MA's), (136, 853), (139, 862), (150, 910), (161, 946), (172, 997), (196, 1039), (200, 1045), (206, 1072), (226, 1192), (228, 1201), (229, 1204), (250, 1282), (255, 1291), (256, 1294), (294, 1396), (306, 1444), (309, 1456), (315, 1486), (319, 1510), (324, 1525), (357, 1603), (370, 1645), (389, 1675), (423, 1744), (432, 1759), (457, 1810), (467, 1834), (494, 1882), (544, 2005), (546, 2011), (576, 2077), (578, 2083),

Gene: Tachez_8 Start: 1556, Stop: 2980, Start Num: 75
Candidate Starts for Tachez_8:
(31, 1484), (Start: 69 @1544 has 12 MA's), (Start: 75 @1556 has 172 MA's), (Start: 114 @1667 has 15 MA's), (115, 1673), (136, 1751), (139, 1760), (150, 1808), (155, 1826), (172, 1895), (196, 1937), (200, 1943), (206, 1970), (207, 1973), (226, 2090), (228, 2099), (250, 2180), (294, 2294), (306, 2342), (309, 2354), (315, 2384), (319, 2408), (323, 2420), (355, 2498), (357, 2504), (425, 2651), (442, 2684), (467, 2738), (546, 2915), (576, 2969),

Gene: Taheera_2 Start: 459, Stop: 1895, Start Num: 83
Candidate Starts for Taheera_2:
(3, 291), (Start: 24 @363 has 31 MA's), (Start: 83 @459 has 46 MA's), (Start: 85 @462 has 4 MA's), (Start: 92 @498 has 1 MA's), (Start: 103 @537 has 2 MA's), (150, 699), (172, 786), (177, 795), (185, 810), (195, 825), (226, 981), (230, 1002), (237, 1023), (250, 1071), (255, 1080), (306, 1233), (312, 1263), (318, 1293), (357, 1389), (421, 1533), (443, 1575), (460, 1608), (467, 1626), (480, 1647), (503, 1692), (512, 1710), (513, 1713), (546, 1806),

Gene: TaiwanKao_8 Start: 1562, Stop: 2986, Start Num: 75

Candidate Starts for TaiwanKao_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (357, 2510), (425, 2657), (442, 2690), (467, 2744), (546, 2921), (576, 2975),

Gene: Taj14_4 Start: 778, Stop: 2268, Start Num: 63
Candidate Starts for Taj14_4:
(Start: 63 @778 has 39 MA's), (Start: 87 @823 has 5 MA's), (118, 925), (123, 952), (139, 1003), (143, 1015), (146, 1045), (150, 1057), (154, 1072), (171, 1138), (199, 1183), (216, 1270), (220, 1294), (221, 1297), (222, 1300), (229, 1345), (234, 1369), (236, 1378), (273, 1507), (279, 1519), (301, 1579), (316, 1639), (328, 1696), (334, 1708), (355, 1750), (380, 1828), (405, 1882), (435, 1948), (439, 1957), (452, 1987), (476, 2032), (482, 2041), (495, 2068), (524, 2125), (541, 2179), (569, 2251),

Gene: Taquito_7 Start: 2076, Stop: 3521, Start Num: 75
Candidate Starts for Taquito_7:
(Start: 75 @2076 has 172 MA's), (Start: 114 @2181 has 15 MA's), (136, 2265), (139, 2274), (146, 2310), (150, 2322), (154, 2337), (161, 2364), (172, 2415), (181, 2433), (200, 2463), (206, 2490), (219, 2568), (228, 2619), (229, 2622), (250, 2700), (255, 2709), (268, 2748), (294, 2814), (306, 2862), (315, 2904), (357, 3021), (369, 3063), (389, 3108), (423, 3177), (445, 3222), (457, 3243), (467, 3267), (546, 3444), (576, 3510), (578, 3516),

Gene: Tchotchke_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Tchotchke_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (136, 882), (137, 885), (139, 891), (141, 897), (147, 936), (150, 945), (161, 981), (169, 1023), (193, 1071), (201, 1089), (203, 1092), (212, 1143), (221, 1200), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Teejan_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Teejan_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: TelAviv_28 Start: 13071, Stop: 14585, Start Num: 23
Candidate Starts for TelAviv_28:
(Start: 23 @13071 has 17 MA's), (Start: 25 @13074 has 15 MA's), (Start: 103 @13254 has 2 MA's), (134, 13347), (149, 13422), (158, 13455), (165, 13482), (172, 13512), (219, 13665), (221, 13671), (226, 13707), (228, 13716), (250, 13797), (255, 13806), (256, 13809), (269, 13848), (292, 13905), (301, 13941), (302, 13944), (354, 14100), (357, 14109), (383, 14178), (389, 14187), (392, 14193), (408, 14226), (425, 14262), (467, 14349), (480, 14370), (513, 14433), (514, 14436), (517, 14439), (524, 14457), (530, 14478), (544, 14520), (566, 14556), (573, 14568),

Gene: Terralys_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Terralys_2:

(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Terror_2 Start: 459, Stop: 1895, Start Num: 83
Candidate Starts for Terror_2:
(3, 291), (Start: 24 @363 has 31 MA's), (Start: 83 @459 has 46 MA's), (Start: 85 @462 has 4 MA's), (Start: 92 @498 has 1 MA's), (Start: 103 @537 has 2 MA's), (150, 699), (172, 786), (177, 795), (185, 810), (195, 825), (226, 981), (230, 1002), (237, 1023), (250, 1071), (255, 1080), (306, 1233), (312, 1263), (318, 1293), (357, 1389), (421, 1533), (443, 1575), (460, 1608), (467, 1626), (480, 1647), (503, 1692), (512, 1710), (513, 1713), (546, 1806),

Gene: Thyatira_6 Start: 1325, Stop: 2752, Start Num: 81
Candidate Starts for Thyatira_6:
(Start: 81 @1325 has 25 MA's), (98, 1382), (Start: 103 @1403 has 2 MA's), (Start: 114 @1427 has 15 MA's), (136, 1511), (139, 1520), (141, 1526), (150, 1568), (155, 1586), (161, 1604), (172, 1655), (180, 1670), (206, 1730), (219, 1808), (226, 1850), (228, 1859), (229, 1862), (250, 1940), (294, 2054), (306, 2102), (315, 2144), (319, 2168), (323, 2180), (328, 2207), (353, 2252), (357, 2264), (420, 2411), (440, 2450), (467, 2507), (482, 2531), (494, 2555), (506, 2579), (544, 2678), (546, 2684), (576, 2741),

Gene: Tierra_7 Start: 1517, Stop: 2944, Start Num: 75
Candidate Starts for Tierra_7:
(Start: 75 @1517 has 172 MA's), (Start: 103 @1607 has 2 MA's), (Start: 114 @1631 has 15 MA's), (115, 1637), (136, 1715), (139, 1724), (150, 1772), (155, 1790), (172, 1859), (200, 1907), (206, 1934), (219, 2012), (226, 2054), (228, 2063), (250, 2144), (268, 2192), (294, 2258), (304, 2300), (306, 2306), (309, 2318), (310, 2324), (315, 2348), (321, 2378), (326, 2399), (357, 2468), (370, 2510), (420, 2603), (423, 2609), (425, 2612), (442, 2645), (457, 2675), (467, 2699), (494, 2747), (546, 2876), (576, 2933), (578, 2939),

Gene: Tigress9_7 Start: 1519, Stop: 2946, Start Num: 75
Candidate Starts for Tigress9_7:
(Start: 75 @1519 has 172 MA's), (Start: 103 @1609 has 2 MA's), (Start: 114 @1633 has 15 MA's), (115, 1639), (136, 1717), (139, 1726), (150, 1774), (155, 1792), (172, 1861), (195, 1900), (200, 1909), (206, 1936), (207, 1939), (219, 2014), (226, 2056), (228, 2065), (250, 2146), (294, 2260), (304, 2302), (306, 2308), (309, 2320), (310, 2326), (315, 2350), (319, 2374), (321, 2380), (326, 2401), (357, 2470), (370, 2512), (420, 2605), (423, 2611), (425, 2614), (442, 2647), (457, 2677), (467, 2701), (494, 2749), (546, 2878), (576, 2935), (578, 2941),

Gene: TinaBug_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for TinaBug_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: TingHuaYa_8 Start: 1618, Stop: 3042, Start Num: 75
Candidate Starts for TingHuaYa_8:
(26, 1534), (Start: 75 @1618 has 172 MA's), (Start: 103 @1705 has 2 MA's), (Start: 114 @1729 has 15 MA's), (115, 1735), (125, 1774), (136, 1813), (139, 1822), (141, 1828), (150, 1870), (155, 1888), (172, 1957), (195, 1996), (200, 2005), (206, 2032), (207, 2035), (226, 2152), (228, 2161), (268, 2290), (294,

2356), (306, 2404), (309, 2416), (315, 2446), (319, 2470), (357, 2566), (423, 2707), (425, 2710), (442, 2743), (457, 2773), (467, 2797), (514, 2884), (546, 2974), (576, 3031), (578, 3037),

Gene: TiniBug_8 Start: 1566, Stop: 2987, Start Num: 75
Candidate Starts for TiniBug_8:
(31, 1494), (47, 1533), (Start: 69 @1554 has 12 MA's), (Start: 75 @1566 has 172 MA's), (Start: 114 @1677 has 15 MA's), (115, 1683), (136, 1761), (139, 1770), (150, 1818), (155, 1836), (172, 1905), (196, 1947), (200, 1953), (206, 1980), (207, 1983), (212, 2007), (226, 2100), (228, 2109), (250, 2190), (257, 2208), (294, 2304), (306, 2352), (309, 2364), (315, 2394), (319, 2418), (323, 2430), (355, 2508), (357, 2514), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: TinoCrisci_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for TinoCrisci_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: Tiri_8 Start: 1604, Stop: 3025, Start Num: 75
Candidate Starts for Tiri_8:
(31, 1532), (Start: 69 @1592 has 12 MA's), (Start: 75 @1604 has 172 MA's), (Start: 114 @1715 has 15 MA's), (115, 1721), (136, 1799), (139, 1808), (150, 1856), (155, 1874), (172, 1943), (196, 1985), (200, 1991), (206, 2018), (207, 2021), (226, 2138), (228, 2147), (250, 2228), (294, 2342), (306, 2390), (309, 2402), (315, 2432), (319, 2456), (323, 2468), (355, 2546), (357, 2552), (425, 2696), (442, 2729), (467, 2783), (546, 2960), (576, 3014),

Gene: TomBrady_2 Start: 459, Stop: 1892, Start Num: 85
Candidate Starts for TomBrady_2:
(Start: 24 @360 has 31 MA's), (Start: 83 @456 has 46 MA's), (Start: 85 @459 has 4 MA's), (Start: 92 @495 has 1 MA's), (Start: 103 @534 has 2 MA's), (150, 696), (172, 783), (177, 792), (186, 810), (195, 822), (221, 942), (226, 978), (230, 999), (237, 1020), (250, 1068), (255, 1077), (306, 1230), (318, 1290), (324, 1308), (346, 1359), (357, 1386), (361, 1401), (362, 1404), (403, 1485), (421, 1530), (460, 1605), (467, 1623), (480, 1644), (503, 1689), (512, 1707), (513, 1710), (546, 1803), (577, 1884),

Gene: TootsiePop_3 Start: 674, Stop: 2161, Start Num: 67
Candidate Starts for TootsiePop_3:
(52, 662), (Start: 67 @674 has 92 MA's), (Start: 114 @800 has 15 MA's), (115, 806), (127, 848), (130, 854), (137, 887), (139, 893), (141, 899), (147, 938), (154, 962), (160, 980), (161, 983), (169, 1025), (193, 1073), (197, 1082), (201, 1091), (203, 1094), (212, 1145), (223, 1223), (228, 1247), (230, 1259), (237, 1280), (241, 1292), (248, 1325), (251, 1331), (269, 1400), (271, 1406), (282, 1439), (291, 1475), (307, 1535), (309, 1544), (314, 1571), (335, 1649), (374, 1745), (403, 1790), (440, 1862), (460, 1901), (477, 1937), (481, 1943), (494, 1967), (510, 1997), (513, 2003), (530, 2045), (531, 2048), (533, 2051), (546, 2093), (552, 2105), (556, 2117),

Gene: Tootsieroll_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Tootsieroll_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (212, 1142), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045),

(533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Topper_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Topper_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Torres_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Torres_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: Totinger_3 Start: 672, Stop: 2159, Start Num: 67
Candidate Starts for Totinger_3:
(52, 660), (Start: 67 @672 has 92 MA's), (Start: 114 @798 has 15 MA's), (115, 804), (127, 846), (130, 852), (137, 885), (139, 891), (141, 897), (147, 936), (154, 960), (160, 978), (161, 981), (169, 1023), (178, 1044), (193, 1071), (197, 1080), (201, 1089), (203, 1092), (212, 1143), (223, 1221), (228, 1245), (230, 1257), (237, 1278), (241, 1290), (248, 1323), (251, 1329), (269, 1398), (271, 1404), (282, 1437), (291, 1473), (307, 1533), (309, 1542), (314, 1569), (335, 1647), (374, 1743), (403, 1788), (440, 1860), (460, 1899), (477, 1935), (481, 1941), (494, 1965), (510, 1995), (513, 2001), (530, 2043), (531, 2046), (533, 2049), (546, 2091), (552, 2103), (556, 2115),

Gene: Toulouse_3 Start: 596, Stop: 2086, Start Num: 63
Candidate Starts for Toulouse_3:
(Start: 63 @596 has 39 MA's), (Start: 87 @641 has 5 MA's), (118, 743), (121, 761), (123, 770), (139, 821), (140, 824), (143, 833), (146, 863), (154, 890), (194, 989), (216, 1088), (220, 1112), (221, 1115), (222, 1118), (229, 1163), (271, 1313), (301, 1397), (313, 1445), (316, 1457), (325, 1496), (328, 1514), (334, 1526), (337, 1529), (348, 1550), (350, 1556), (355, 1568), (380, 1646), (405, 1700), (428, 1754), (435, 1766), (482, 1859), (524, 1943), (542, 2000), (569, 2069),

Gene: TreyKay_8 Start: 1562, Stop: 2983, Start Num: 75
Candidate Starts for TreyKay_8:
(31, 1490), (Start: 69 @1550 has 12 MA's), (Start: 75 @1562 has 172 MA's), (Start: 114 @1673 has 15 MA's), (115, 1679), (136, 1757), (139, 1766), (150, 1814), (155, 1832), (172, 1901), (196, 1943), (200, 1949), (206, 1976), (207, 1979), (226, 2096), (228, 2105), (250, 2186), (294, 2300), (306, 2348), (309, 2360), (315, 2390), (319, 2414), (323, 2426), (355, 2504), (357, 2510), (425, 2654), (442, 2687), (467, 2741), (546, 2918), (576, 2972),

Gene: TribleTrouble_6 Start: 1306, Stop: 2730, Start Num: 75
Candidate Starts for TribleTrouble_6:
(41, 1267), (Start: 69 @1294 has 12 MA's), (Start: 75 @1306 has 172 MA's), (98, 1372), (99, 1375), (Start: 103 @1393 has 2 MA's), (Start: 114 @1417 has 15 MA's), (136, 1501), (139, 1510), (150, 1558), (155, 1576), (161, 1594), (172, 1645), (196, 1687), (200, 1693), (206, 1720), (226, 1840), (228, 1849), (250, 1930), (257, 1948), (294, 2044), (306, 2092), (309, 2104), (315, 2134), (319, 2158), (323, 2170), (357, 2254), (370, 2296), (423, 2395), (425, 2398), (445, 2440), (452, 2455), (466, 2482), (467, 2485), (546, 2662),

Gene: Trice_4 Start: 847, Stop: 2271, Start Num: 75
Candidate Starts for Trice_4:
(Start: 69 @835 has 12 MA's), (Start: 75 @847 has 172 MA's), (98, 913), (Start: 114 @958 has 15 MA's), (125, 1003), (136, 1042), (139, 1051), (150, 1099), (155, 1117), (161, 1135), (172, 1186), (200, 1234), (206, 1261), (226, 1381), (228, 1390), (238, 1426), (239, 1429), (250, 1471), (257, 1489), (294, 1585), (304, 1627), (306, 1633), (309, 1645), (315, 1675), (316, 1681), (319, 1699), (326, 1726), (357, 1795), (389, 1867), (425, 1939), (442, 1972), (445, 1981), (460, 2008), (467, 2026), (546, 2203), (576, 2260), (578, 2266),

Gene: TruffulaTree_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for TruffulaTree_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Twitch_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Twitch_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: TymAbreu_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for TymAbreu_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (457, 2015), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: UncleRicky_3 Start: 797, Stop: 2158, Start Num: 114
Candidate Starts for UncleRicky_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Unicorn_7 Start: 1549, Stop: 2976, Start Num: 75
Candidate Starts for Unicorn_7:
(Start: 75 @1549 has 172 MA's), (Start: 103 @1639 has 2 MA's), (Start: 114 @1663 has 15 MA's), (115, 1669), (136, 1747), (139, 1756), (150, 1804), (155, 1822), (172, 1891), (195, 1930), (200, 1939), (206, 1966), (219, 2044), (226, 2086), (228, 2095), (250, 2176), (268, 2224), (294, 2290), (304, 2332), (306, 2338), (309, 2350), (310, 2356), (315, 2380), (321, 2410), (326, 2431), (357, 2500), (370, 2542), (420, 2635), (442, 2677), (457, 2707), (467, 2731), (494, 2779), (546, 2908), (576, 2965), (578, 2971),

Gene: Urkel_8 Start: 1566, Stop: 2987, Start Num: 75

Candidate Starts for Urkel_8:
(31, 1494), (47, 1533), (Start: 69 @1554 has 12 MA's), (Start: 75 @1566 has 172 MA's), (Start: 114 @1677 has 15 MA's), (115, 1683), (136, 1761), (139, 1770), (150, 1818), (155, 1836), (172, 1905), (196, 1947), (200, 1953), (206, 1980), (207, 1983), (212, 2007), (226, 2100), (228, 2109), (250, 2190), (257, 2208), (294, 2304), (306, 2352), (309, 2364), (315, 2394), (319, 2418), (323, 2430), (355, 2508), (357, 2514), (425, 2658), (442, 2691), (467, 2745), (546, 2922), (576, 2976),

Gene: Utopia_1 Start: 76, Stop: 1755, Start Num: 45
Candidate Starts for Utopia_1:
(20, 22), (Start: 45 @76 has 3 MA's), (Start: 94 @175 has 1 MA's), (112, 229), (117, 244), (123, 274), (124, 277), (131, 304), (171, 475), (173, 481), (181, 490), (233, 712), (250, 775), (272, 856), (295, 916), (303, 946), (379, 1183), (380, 1186), (427, 1300), (431, 1306), (454, 1354), (467, 1384), (506, 1456), (529, 1510), (543, 1552),

Gene: Vagabond_31 Start: 13344, Stop: 14858, Start Num: 23
Candidate Starts for Vagabond_31:
(Start: 23 @13344 has 17 MA's), (Start: 25 @13347 has 15 MA's), (Start: 103 @13527 has 2 MA's), (134, 13620), (149, 13695), (158, 13728), (165, 13755), (172, 13785), (219, 13938), (221, 13944), (226, 13980), (228, 13989), (250, 14070), (255, 14079), (256, 14082), (269, 14121), (292, 14178), (301, 14214), (302, 14217), (354, 14373), (357, 14382), (383, 14451), (389, 14460), (392, 14466), (408, 14499), (425, 14535), (467, 14622), (480, 14643), (513, 14706), (514, 14709), (517, 14712), (524, 14730), (530, 14751), (544, 14793), (566, 14829), (573, 14841),

Gene: Validus_8 Start: 1576, Stop: 3006, Start Num: 75
Candidate Starts for Validus_8:
(26, 1492), (Start: 75 @1576 has 172 MA's), (Start: 103 @1666 has 2 MA's), (Start: 114 @1690 has 15 MA's), (115, 1696), (125, 1735), (136, 1774), (139, 1783), (141, 1789), (150, 1831), (155, 1849), (161, 1867), (172, 1918), (206, 1993), (226, 2113), (228, 2122), (250, 2203), (268, 2251), (294, 2317), (306, 2365), (309, 2377), (315, 2407), (319, 2431), (326, 2458), (357, 2527), (370, 2569), (389, 2599), (400, 2623), (425, 2671), (442, 2704), (457, 2734), (467, 2758), (514, 2848), (546, 2938), (576, 2995), (578, 3001),

Gene: Veliki_8 Start: 1637, Stop: 3058, Start Num: 75
Candidate Starts for Veliki_8:
(31, 1565), (Start: 69 @1625 has 12 MA's), (Start: 75 @1637 has 172 MA's), (Start: 114 @1748 has 15 MA's), (115, 1754), (136, 1832), (139, 1841), (150, 1889), (155, 1907), (172, 1976), (196, 2018), (200, 2024), (206, 2051), (207, 2054), (226, 2171), (228, 2180), (250, 2261), (294, 2375), (306, 2423), (309, 2435), (315, 2465), (319, 2489), (323, 2501), (355, 2579), (357, 2585), (425, 2729), (442, 2762), (467, 2816), (546, 2993), (576, 3047),

Gene: Velveteen_3 Start: 671, Stop: 2158, Start Num: 67
Candidate Starts for Velveteen_3:
(52, 659), (Start: 67 @671 has 92 MA's), (Start: 114 @797 has 15 MA's), (115, 803), (127, 845), (130, 851), (137, 884), (139, 890), (141, 896), (147, 935), (154, 959), (160, 977), (161, 980), (169, 1022), (178, 1043), (193, 1070), (197, 1079), (201, 1088), (203, 1091), (206, 1115), (212, 1142), (221, 1199), (223, 1220), (228, 1244), (230, 1256), (237, 1277), (241, 1289), (248, 1322), (251, 1328), (269, 1397), (271, 1403), (282, 1436), (291, 1472), (307, 1532), (309, 1541), (314, 1568), (335, 1646), (374, 1742), (403, 1787), (440, 1859), (460, 1898), (477, 1934), (481, 1940), (494, 1964), (510, 1994), (513, 2000), (530, 2042), (531, 2045), (533, 2048), (546, 2090), (552, 2102), (556, 2114),

Gene: Vinye_5 Start: 799, Stop: 2292, Start Num: 64
Candidate Starts for Vinye_5:

(Start: 64 @799 has 1 MA's), (Start: 87 @841 has 5 MA's), (118, 943), (123, 970), (140, 1024), (143, 1033), (146, 1063), (149, 1072), (175, 1165), (220, 1312), (221, 1315), (229, 1363), (235, 1393), (247, 1444), (253, 1450), (263, 1462), (268, 1504), (273, 1525), (316, 1657), (324, 1690), (334, 1732), (371, 1825), (375, 1840), (405, 1906), (452, 2011), (476, 2056), (482, 2065), (513, 2125), (524, 2149), (526, 2164), (542, 2206), (545, 2218),

Gene: ViviJ_5 Start: 1089, Stop: 2516, Start Num: 81
Candidate Starts for ViviJ_5:
(Start: 81 @1089 has 25 MA's), (98, 1146), (Start: 103 @1167 has 2 MA's), (Start: 114 @1191 has 15 MA's), (136, 1275), (139, 1284), (141, 1290), (155, 1350), (161, 1368), (172, 1419), (195, 1458), (219, 1572), (226, 1614), (228, 1623), (229, 1626), (250, 1704), (294, 1818), (306, 1866), (309, 1878), (315, 1908), (323, 1944), (328, 1971), (357, 2028), (389, 2112), (400, 2136), (440, 2214), (467, 2271), (482, 2295), (494, 2319), (546, 2448), (576, 2505),

Gene: Volt_36 Start: 10775, Stop: 12181, Start Num: 93
Candidate Starts for Volt_36:
(72, 10718), (Start: 93 @10775 has 6 MA's), (133, 10901), (145, 10961), (148, 10970), (170, 11054), (190, 11108), (220, 11234), (222, 11240), (223, 11258), (238, 11324), (254, 11378), (262, 11411), (276, 11456), (309, 11549), (326, 11627), (349, 11672), (356, 11690), (375, 11753), (378, 11759), (444, 11885), (467, 11930), (477, 11948), (557, 12122),

Gene: Vorrps_30 Start: 13119, Stop: 14630, Start Num: 25
Candidate Starts for Vorrps_30:
(Start: 23 @13116 has 17 MA's), (Start: 25 @13119 has 15 MA's), (Start: 103 @13299 has 2 MA's), (134, 13392), (149, 13467), (158, 13500), (165, 13527), (172, 13557), (219, 13710), (221, 13716), (226, 13752), (228, 13761), (250, 13842), (255, 13851), (256, 13854), (269, 13893), (292, 13950), (301, 13986), (302, 13989), (354, 14145), (357, 14154), (383, 14223), (389, 14232), (392, 14238), (408, 14271), (425, 14307), (467, 14394), (480, 14415), (513, 14478), (514, 14481), (517, 14484), (524, 14502), (530, 14523), (544, 14565), (566, 14601), (573, 14613),

Gene: WST1_2 Start: 747, Stop: 2147, Start Num: 103
Candidate Starts for WST1_2:
(38, 600), (Start: 78 @663 has 5 MA's), (Start: 103 @747 has 2 MA's), (150, 909), (161, 945), (172, 996), (177, 1005), (226, 1191), (230, 1212), (237, 1233), (241, 1245), (250, 1281), (255, 1290), (265, 1353), (306, 1491), (309, 1503), (355, 1644), (357, 1650), (389, 1719), (396, 1737), (411, 1767), (425, 1791), (440, 1821), (457, 1854), (467, 1878), (494, 1932), (506, 1956),

Gene: Waterfoul_6 Start: 1347, Stop: 2774, Start Num: 81
Candidate Starts for Waterfoul_6:
(26, 1254), (Start: 81 @1347 has 25 MA's), (98, 1404), (Start: 103 @1425 has 2 MA's), (Start: 114 @1449 has 15 MA's), (136, 1533), (139, 1542), (141, 1548), (150, 1590), (155, 1608), (161, 1626), (172, 1677), (180, 1692), (206, 1752), (219, 1830), (226, 1872), (228, 1881), (229, 1884), (250, 1962), (294, 2076), (306, 2124), (315, 2166), (319, 2190), (323, 2202), (328, 2229), (353, 2274), (357, 2286), (420, 2433), (440, 2472), (467, 2529), (482, 2553), (494, 2577), (506, 2601), (544, 2700), (546, 2706), (576, 2763),

Gene: Wendigo_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Wendigo_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Whitney_3 Start: 673, Stop: 2190, Start Num: 67
Candidate Starts for Whitney_3:
(Start: 54 @664 has 1 MA's), (Start: 67 @673 has 92 MA's), (109, 790), (Start: 114 @799 has 15 MA's), (130, 853), (137, 886), (147, 937), (150, 946), (161, 982), (169, 1024), (178, 1045), (185, 1057), (193, 1072), (201, 1090), (203, 1093), (204, 1096), (206, 1117), (212, 1144), (221, 1201), (228, 1246), (229, 1249), (230, 1258), (237, 1279), (241, 1291), (246, 1318), (251, 1330), (269, 1399), (272, 1411), (294, 1483), (300, 1507), (309, 1543), (314, 1570), (328, 1636), (343, 1657), (390, 1759), (403, 1786), (484, 1945), (494, 1963), (530, 2041), (531, 2044), (533, 2047), (546, 2089), (552, 2101), (556, 2113),

Gene: Whytu_1 Start: 77, Stop: 1762, Start Num: 45
Candidate Starts for Whytu_1:
(Start: 25 @32 has 15 MA's), (Start: 45 @77 has 3 MA's), (Start: 94 @176 has 1 MA's), (112, 230), (117, 245), (123, 275), (124, 278), (131, 305), (149, 392), (171, 476), (173, 482), (181, 491), (201, 536), (233, 713), (250, 776), (299, 929), (303, 947), (379, 1184), (380, 1187), (427, 1301), (431, 1307), (454, 1355), (467, 1385), (506, 1457), (529, 1511), (543, 1553), (582, 1703), (584, 1739), (585, 1757),

Gene: Wildflower_31 Start: 13111, Stop: 14625, Start Num: 23
Candidate Starts for Wildflower_31:
(Start: 23 @13111 has 17 MA's), (Start: 25 @13114 has 15 MA's), (Start: 103 @13294 has 2 MA's), (134, 13387), (149, 13462), (158, 13495), (165, 13522), (172, 13552), (219, 13705), (221, 13711), (226, 13747), (228, 13756), (250, 13837), (255, 13846), (256, 13849), (269, 13888), (292, 13945), (301, 13981), (302, 13984), (354, 14140), (357, 14149), (383, 14218), (389, 14227), (392, 14233), (408, 14266), (425, 14302), (467, 14389), (480, 14410), (513, 14473), (514, 14476), (517, 14479), (524, 14497), (530, 14518), (544, 14560), (564, 14593), (566, 14596), (573, 14608),

Gene: Winget_31 Start: 13343, Stop: 14857, Start Num: 23
Candidate Starts for Winget_31:
(Start: 23 @13343 has 17 MA's), (Start: 25 @13346 has 15 MA's), (Start: 103 @13526 has 2 MA's), (134, 13619), (149, 13694), (158, 13727), (165, 13754), (172, 13784), (219, 13937), (221, 13943), (226, 13979), (228, 13988), (250, 14069), (255, 14078), (256, 14081), (269, 14120), (292, 14177), (301, 14213), (302, 14216), (354, 14372), (357, 14381), (383, 14450), (389, 14459), (392, 14465), (408, 14498), (425, 14534), (467, 14621), (480, 14642), (513, 14705), (514, 14708), (517, 14711), (524, 14729), (530, 14750), (544, 14792), (566, 14828), (573, 14840),

Gene: Wintermute_9 Start: 2464, Stop: 3909, Start Num: 75
Candidate Starts for Wintermute_9:
(Start: 75 @2464 has 172 MA's), (Start: 114 @2569 has 15 MA's), (136, 2653), (139, 2662), (150, 2710), (154, 2725), (161, 2752), (172, 2803), (181, 2821), (200, 2851), (206, 2878), (219, 2956), (226, 2998), (228, 3007), (229, 3010), (250, 3088), (255, 3097), (268, 3136), (294, 3202), (306, 3250), (315, 3292), (357, 3409), (369, 3451), (389, 3496), (423, 3565), (445, 3610), (457, 3631), (467, 3655), (546, 3832), (576, 3898), (578, 3904),

Gene: Wizzo_2 Start: 378, Stop: 1889, Start Num: 80
Candidate Starts for Wizzo_2:
(Start: 80 @378 has 40 MA's), (Start: 92 @417 has 1 MA's), (98, 435), (107, 462), (115, 480), (121, 507), (122, 510), (136, 558), (139, 567), (141, 573), (149, 612), (151, 618), (162, 651), (165, 669), (170, 693), (172, 699), (187, 738), (189, 747), (191, 750), (201, 789), (202, 792), (214, 861), (220, 906), (221, 909), (223, 930), (226, 945), (228, 954), (244, 1026), (250, 1044), (252, 1047), (256, 1053), (277, 1134), (287, 1155), (300, 1191), (309, 1227), (323, 1293), (332, 1326), (338, 1335), (349, 1356), (363, 1398), (394, 1476), (398, 1485), (406, 1497), (421, 1530), (433, 1551), (434, 1554), (435, 1557), (441, 1569), (457, 1599), (459, 1602), (465, 1620), (468, 1626), (481, 1647), (506, 1704), (507, 1707), (513, 1719), (520, 1731), (546, 1806), (564, 1842), (575, 1875), (577, 1881),

Gene: Wobbe_4 Start: 568, Stop: 2109, Start Num: 32
Candidate Starts for Wobbe_4:
(3, 475), (29, 556), (32, 568), (Start: 67 @643 has 92 MA's), (68, 646), (Start: 87 @673 has 5 MA's), (100, 721), (105, 739), (112, 754), (141, 850), (168, 970), (171, 979), (173, 985), (219, 1141), (233, 1216), (239, 1240), (266, 1330), (273, 1363), (284, 1387), (303, 1447), (309, 1468), (325, 1540), (331, 1564), (355, 1615), (359, 1630), (365, 1642), (380, 1690), (471, 1894), (475, 1900), (541, 2047), (543, 2056), (546, 2065),

Gene: Wogge42_30 Start: 13433, Stop: 14947, Start Num: 23
Candidate Starts for Wogge42_30:
(Start: 23 @13433 has 17 MA's), (Start: 25 @13436 has 15 MA's), (Start: 103 @13616 has 2 MA's), (134, 13709), (149, 13784), (158, 13817), (165, 13844), (172, 13874), (219, 14027), (221, 14033), (226, 14069), (228, 14078), (250, 14159), (255, 14168), (256, 14171), (269, 14210), (292, 14267), (301, 14303), (302, 14306), (354, 14462), (357, 14471), (383, 14540), (389, 14549), (392, 14555), (408, 14588), (425, 14624), (467, 14711), (480, 14732), (513, 14795), (514, 14798), (517, 14801), (524, 14819), (530, 14840), (544, 14882), (564, 14915), (566, 14918), (573, 14930),

Gene: WorldChangers_1 Start: 166, Stop: 1725, Start Num: 20
Candidate Starts for WorldChangers_1:
(20, 166), (46, 220), (68, 262), (112, 370), (115, 379), (171, 595), (173, 601), (182, 613), (214, 715), (219, 757), (233, 832), (266, 946), (272, 976), (273, 979), (303, 1063), (309, 1084), (311, 1096), (325, 1156), (359, 1246), (380, 1303), (431, 1423), (454, 1471), (475, 1513), (537, 1648), (543, 1669),

Gene: Ximenita_8 Start: 1691, Stop: 3118, Start Num: 75
Candidate Starts for Ximenita_8:
(Start: 75 @1691 has 172 MA's), (Start: 103 @1781 has 2 MA's), (Start: 114 @1805 has 15 MA's), (115, 1811), (136, 1889), (139, 1898), (150, 1946), (155, 1964), (172, 2033), (195, 2072), (206, 2108), (207, 2111), (219, 2186), (226, 2228), (228, 2237), (250, 2318), (268, 2366), (294, 2432), (304, 2474), (306, 2480), (309, 2492), (310, 2498), (315, 2522), (319, 2546), (321, 2552), (357, 2642), (370, 2684), (420, 2777), (423, 2783), (425, 2786), (442, 2819), (457, 2849), (467, 2873), (494, 2921), (546, 3050), (576, 3107), (578, 3113),

Gene: Ximeno_2 Start: 361, Stop: 1926, Start Num: 28
Candidate Starts for Ximeno_2:
(Start: 28 @361 has 1 MA's), (Start: 48 @412 has 2 MA's), (Start: 57 @424 has 4 MA's), (65, 448), (82, 472), (118, 583), (123, 610), (143, 673), (146, 703), (149, 712), (154, 730), (199, 841), (206, 874), (221, 955), (229, 1003), (247, 1084), (296, 1219), (303, 1246), (316, 1297), (324, 1330), (393, 1513), (435, 1606), (452, 1645), (457, 1651), (462, 1660), (482, 1699), (524, 1783), (526, 1798), (548, 1858), (559, 1888),

Gene: Y10_09 Start: 2570, Stop: 3910, Start Num: 114
Candidate Starts for Y10_09:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Y2_09 Start: 2570, Stop: 3910, Start Num: 114
Candidate Starts for Y2_09:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226,

2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: YangYin_2 Start: 344, Stop: 1912, Start Num: 24
Candidate Starts for YangYin_2:
(Start: 24 @344 has 31 MA's), (138, 647), (150, 698), (161, 734), (177, 794), (218, 947), (219, 953), (221, 959), (226, 995), (230, 1016), (240, 1046), (250, 1085), (255, 1094), (306, 1247), (323, 1322), (324, 1325), (357, 1403), (365, 1427), (389, 1472), (425, 1553), (442, 1586), (445, 1595), (452, 1610), (457, 1616), (460, 1622), (506, 1712), (512, 1724), (513, 1727), (546, 1820), (576, 1901),

Gene: Yank_4 Start: 800, Stop: 2290, Start Num: 63
Candidate Starts for Yank_4:
(Start: 63 @800 has 39 MA's), (Start: 87 @845 has 5 MA's), (118, 947), (121, 965), (123, 974), (132, 992), (139, 1025), (140, 1028), (143, 1037), (146, 1067), (154, 1094), (194, 1193), (216, 1292), (220, 1316), (221, 1319), (222, 1322), (229, 1367), (301, 1601), (313, 1649), (316, 1661), (325, 1700), (328, 1718), (334, 1730), (337, 1733), (348, 1754), (350, 1760), (355, 1772), (380, 1850), (405, 1904), (428, 1958), (435, 1970), (482, 2063), (524, 2147), (542, 2204), (569, 2273),

Gene: YasnayaPolyana_9 Start: 2570, Stop: 3910, Start Num: 114
Candidate Starts for YasnayaPolyana_9:
(Start: 75 @2465 has 172 MA's), (Start: 114 @2570 has 15 MA's), (136, 2654), (139, 2663), (150, 2711), (154, 2726), (161, 2753), (172, 2804), (181, 2822), (200, 2852), (206, 2879), (219, 2957), (226, 2999), (228, 3008), (229, 3011), (250, 3089), (255, 3098), (268, 3137), (294, 3203), (306, 3251), (315, 3293), (357, 3410), (369, 3452), (389, 3497), (423, 3566), (445, 3611), (457, 3632), (467, 3656), (546, 3833), (576, 3899), (578, 3905),

Gene: Yavru_1 Start: 76, Stop: 1761, Start Num: 45
Candidate Starts for Yavru_1:
(20, 22), (Start: 45 @76 has 3 MA's), (Start: 94 @175 has 1 MA's), (112, 229), (117, 244), (123, 274), (124, 277), (131, 304), (171, 475), (173, 481), (175, 484), (181, 490), (186, 502), (233, 712), (250, 775), (267, 829), (272, 856), (295, 916), (303, 946), (380, 1186), (427, 1300), (431, 1306), (454, 1354), (467, 1384), (506, 1456), (529, 1510), (543, 1552),

Gene: Yoshi_3 Start: 663, Stop: 2183, Start Num: 67
Candidate Starts for Yoshi_3:
(52, 651), (Start: 67 @663 has 92 MA's), (Start: 114 @789 has 15 MA's), (116, 798), (130, 843), (136, 873), (137, 876), (139, 882), (147, 927), (154, 951), (161, 972), (169, 1014), (178, 1035), (193, 1062), (201, 1080), (203, 1083), (206, 1107), (212, 1134), (221, 1191), (226, 1227), (228, 1236), (230, 1248), (231, 1254), (237, 1269), (241, 1281), (246, 1308), (248, 1314), (251, 1320), (260, 1356), (261, 1365), (271, 1395), (281, 1425), (282, 1428), (307, 1524), (309, 1533), (314, 1560), (340, 1644), (349, 1659), (397, 1770), (403, 1779), (408, 1788), (440, 1851), (477, 1926), (484, 1938), (494, 1956), (513, 1992), (530, 2034), (533, 2040), (546, 2082), (552, 2094), (556, 2106), (580, 2172),

Gene: YoureAdopted_7 Start: 1563, Stop: 2984, Start Num: 75
Candidate Starts for YoureAdopted_7:
(31, 1491), (Start: 69 @1551 has 12 MA's), (Start: 75 @1563 has 172 MA's), (Start: 114 @1674 has 15 MA's), (115, 1680), (136, 1758), (139, 1767), (150, 1815), (155, 1833), (172, 1902), (196, 1944), (200, 1950), (206, 1977), (207, 1980), (226, 2097), (228, 2106), (250, 2187), (294, 2301), (306, 2349), (309, 2361), (315, 2391), (319, 2415), (323, 2427), (326, 2442), (355, 2505), (357, 2511), (425, 2655), (442, 2688), (467, 2742), (546, 2919), (576, 2973),

Gene: YoyoKar_29 Start: 13078, Stop: 14592, Start Num: 23

Candidate Starts for YoyoKar_29:
(Start: 23 @13078 has 17 MA's), (Start: 25 @13081 has 15 MA's), (Start: 103 @13261 has 2 MA's), (134, 13354), (149, 13429), (158, 13462), (165, 13489), (172, 13519), (219, 13672), (221, 13678), (226, 13714), (228, 13723), (250, 13804), (255, 13813), (256, 13816), (269, 13855), (292, 13912), (301, 13948), (302, 13951), (354, 14107), (357, 14116), (383, 14185), (389, 14194), (392, 14200), (408, 14233), (425, 14269), (467, 14356), (480, 14377), (513, 14440), (514, 14443), (517, 14446), (524, 14464), (530, 14485), (544, 14527), (564, 14560), (566, 14563), (573, 14575),

Gene: Yuna_8 Start: 1651, Stop: 3090, Start Num: 69
Candidate Starts for Yuna_8:
(26, 1579), (31, 1591), (Start: 69 @1651 has 12 MA's), (Start: 75 @1663 has 172 MA's), (Start: 103 @1753 has 2 MA's), (Start: 114 @1777 has 15 MA's), (115, 1783), (136, 1861), (139, 1870), (141, 1876), (150, 1918), (152, 1927), (155, 1936), (161, 1954), (172, 2005), (195, 2044), (200, 2053), (206, 2080), (226, 2200), (228, 2209), (250, 2290), (294, 2404), (304, 2446), (306, 2452), (309, 2464), (315, 2494), (321, 2524), (326, 2545), (355, 2608), (357, 2614), (370, 2656), (420, 2749), (425, 2758), (445, 2800), (460, 2827), (467, 2845), (486, 2878), (552, 3034), (576, 3079), (578, 3085),

Gene: YungJamal_33 Start: 13409, Stop: 14920, Start Num: 25
Candidate Starts for YungJamal_33:
(Start: 23 @13406 has 17 MA's), (Start: 25 @13409 has 15 MA's), (Start: 103 @13589 has 2 MA's), (134, 13682), (149, 13757), (158, 13790), (165, 13817), (172, 13847), (219, 14000), (221, 14006), (226, 14042), (228, 14051), (250, 14132), (255, 14141), (256, 14144), (269, 14183), (292, 14240), (301, 14276), (302, 14279), (354, 14435), (357, 14444), (383, 14513), (389, 14522), (392, 14528), (408, 14561), (425, 14597), (467, 14684), (480, 14705), (513, 14768), (514, 14771), (517, 14774), (524, 14792), (530, 14813), (544, 14855), (566, 14891), (573, 14903),

Gene: Yunkel11_8 Start: 1587, Stop: 3011, Start Num: 75
Candidate Starts for Yunkel11_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 103 @1674 has 2 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (125, 1743), (136, 1782), (139, 1791), (141, 1797), (150, 1839), (155, 1857), (161, 1875), (172, 1926), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (256, 2223), (268, 2259), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (321, 2445), (326, 2466), (357, 2535), (389, 2607), (423, 2676), (425, 2679), (442, 2712), (467, 2766), (482, 2790), (514, 2853), (546, 2943), (576, 3000), (578, 3006),

Gene: Zabiza_8 Start: 1587, Stop: 3008, Start Num: 75
Candidate Starts for Zabiza_8:
(31, 1515), (Start: 69 @1575 has 12 MA's), (Start: 75 @1587 has 172 MA's), (Start: 114 @1698 has 15 MA's), (115, 1704), (136, 1782), (139, 1791), (150, 1839), (155, 1857), (172, 1926), (196, 1968), (200, 1974), (206, 2001), (207, 2004), (226, 2121), (228, 2130), (250, 2211), (294, 2325), (306, 2373), (309, 2385), (315, 2415), (319, 2439), (323, 2451), (326, 2466), (355, 2529), (357, 2535), (425, 2679), (442, 2712), (467, 2766), (546, 2943), (576, 2997),

Gene: Zakhe101_31 Start: 13259, Stop: 14770, Start Num: 25
Candidate Starts for Zakhe101_31:
(Start: 23 @13256 has 17 MA's), (Start: 25 @13259 has 15 MA's), (Start: 103 @13439 has 2 MA's), (134, 13532), (149, 13607), (158, 13640), (165, 13667), (172, 13697), (219, 13850), (221, 13856), (226, 13892), (228, 13901), (250, 13982), (255, 13991), (256, 13994), (292, 14090), (301, 14126), (302, 14129), (354, 14285), (357, 14294), (383, 14363), (389, 14372), (392, 14378), (408, 14411), (425, 14447), (467, 14534), (480, 14555), (513, 14618), (514, 14621), (517, 14624), (524, 14642), (530, 14663), (544, 14705), (564, 14738), (566, 14741), (573, 14753),

Gene: Zapner_4 Start: 1188, Stop: 2708, Start Num: 67

Candidate Starts for Zapner_4:
(52, 1176), (Start: 67 @1188 has 92 MA's), (Start: 114 @1314 has 15 MA's), (116, 1323), (130, 1368), (136, 1398), (137, 1401), (139, 1407), (147, 1452), (154, 1476), (161, 1497), (169, 1539), (178, 1560), (193, 1587), (201, 1605), (203, 1608), (206, 1632), (212, 1659), (221, 1716), (226, 1752), (228, 1761), (230, 1773), (231, 1779), (237, 1794), (241, 1806), (248, 1839), (251, 1845), (260, 1881), (261, 1890), (271, 1920), (281, 1950), (282, 1953), (307, 2049), (309, 2058), (314, 2085), (340, 2169), (349, 2184), (397, 2295), (403, 2304), (408, 2313), (440, 2376), (477, 2451), (484, 2463), (494, 2481), (513, 2517), (530, 2559), (533, 2565), (546, 2607), (552, 2619), (556, 2631), (580, 2697),

Gene: Zavala_8 Start: 1572, Stop: 2993, Start Num: 75
Candidate Starts for Zavala_8:
(31, 1500), (Start: 69 @1560 has 12 MA's), (Start: 75 @1572 has 172 MA's), (Start: 114 @1683 has 15 MA's), (115, 1689), (136, 1767), (139, 1776), (150, 1824), (155, 1842), (172, 1911), (196, 1953), (200, 1959), (206, 1986), (207, 1989), (226, 2106), (228, 2115), (250, 2196), (294, 2310), (306, 2358), (309, 2370), (315, 2400), (319, 2424), (323, 2436), (355, 2514), (357, 2520), (425, 2664), (442, 2697), (467, 2751), (546, 2928), (576, 2982),

Gene: Zebo_30 Start: 13080, Stop: 14591, Start Num: 25
Candidate Starts for Zebo_30:
(Start: 23 @13077 has 17 MA's), (Start: 25 @13080 has 15 MA's), (Start: 103 @13260 has 2 MA's), (134, 13353), (149, 13428), (158, 13461), (165, 13488), (172, 13518), (219, 13671), (221, 13677), (226, 13713), (228, 13722), (250, 13803), (255, 13812), (256, 13815), (269, 13854), (292, 13911), (301, 13947), (302, 13950), (354, 14106), (357, 14115), (383, 14184), (389, 14193), (392, 14199), (408, 14232), (425, 14268), (467, 14355), (480, 14376), (513, 14439), (514, 14442), (517, 14445), (524, 14463), (530, 14484), (544, 14526), (566, 14562), (573, 14574),

Gene: Ziko_37 Start: 10715, Stop: 12121, Start Num: 93
Candidate Starts for Ziko_37:
(72, 10658), (Start: 93 @10715 has 6 MA's), (133, 10841), (145, 10901), (148, 10910), (170, 10994), (190, 11048), (220, 11174), (222, 11180), (223, 11198), (238, 11264), (254, 11318), (262, 11351), (276, 11396), (309, 11489), (326, 11567), (349, 11612), (356, 11630), (375, 11693), (378, 11699), (444, 11825), (467, 11870), (477, 11888), (557, 12062),

Gene: ZoMa_2 Start: 455, Stop: 1891, Start Num: 83
Candidate Starts for ZoMa_2:
(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: ZoeJ_4 Start: 652, Stop: 2073, Start Num: 75
Candidate Starts for ZoeJ_4:
(26, 574), (31, 586), (33, 595), (Start: 75 @652 has 172 MA's), (98, 712), (Start: 103 @733 has 2 MA's), (Start: 113 @754 has 3 MA's), (136, 838), (139, 847), (150, 895), (161, 931), (172, 982), (195, 1021), (200, 1030), (206, 1057), (226, 1177), (228, 1186), (229, 1189), (250, 1267), (255, 1276), (294, 1381), (306, 1429), (309, 1441), (315, 1471), (319, 1495), (324, 1510), (357, 1588), (370, 1630), (389, 1660), (423, 1729), (432, 1744), (457, 1795), (467, 1819), (494, 1867), (544, 1990), (546, 1996), (576, 2062), (578, 2068),

Gene: Zombie_2 Start: 359, Stop: 1891, Start Num: 24
Candidate Starts for Zombie_2:

(Start: 24 @359 has 31 MA's), (Start: 83 @455 has 46 MA's), (Start: 85 @458 has 4 MA's), (Start: 92 @494 has 1 MA's), (Start: 103 @533 has 2 MA's), (150, 695), (172, 782), (177, 791), (186, 809), (195, 821), (221, 941), (226, 977), (230, 998), (237, 1019), (250, 1067), (255, 1076), (306, 1229), (318, 1289), (324, 1307), (346, 1358), (357, 1385), (361, 1400), (362, 1403), (403, 1484), (421, 1529), (460, 1604), (467, 1622), (480, 1643), (503, 1688), (512, 1706), (513, 1709), (546, 1802), (577, 1883),

Gene: Zucker_3 Start: 797, Stop: 2302, Start Num: 86
Candidate Starts for Zucker_3:
(Start: 86 @797 has 4 MA's), (126, 941), (141, 992), (153, 1043), (198, 1181), (207, 1223), (209, 1241), (237, 1385), (241, 1397), (253, 1442), (256, 1448), (275, 1526), (283, 1547), (317, 1676), (354, 1778), (356, 1784), (362, 1805), (378, 1856), (425, 1943), (453, 2003), (477, 2051), (490, 2084), (546, 2216),