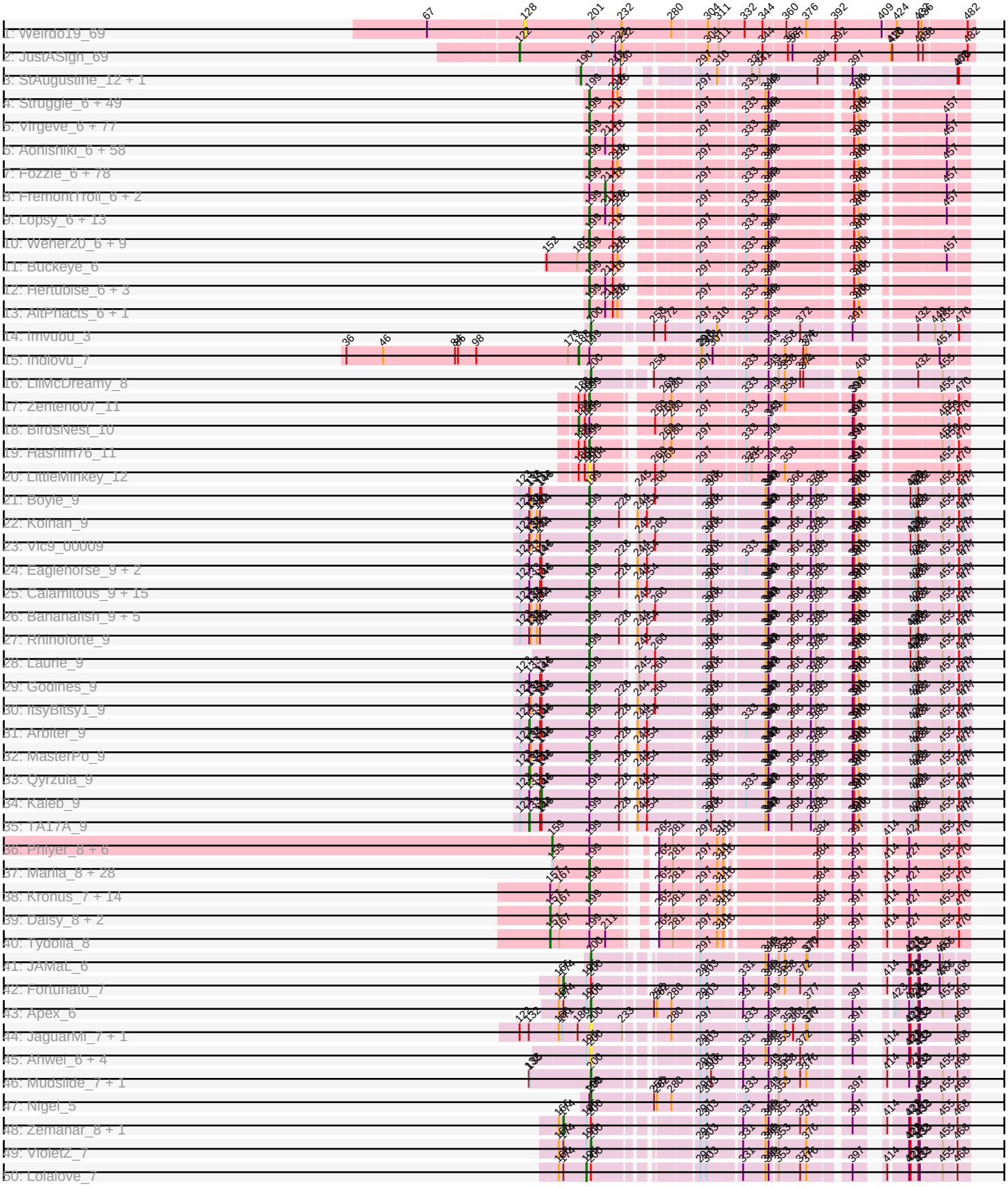
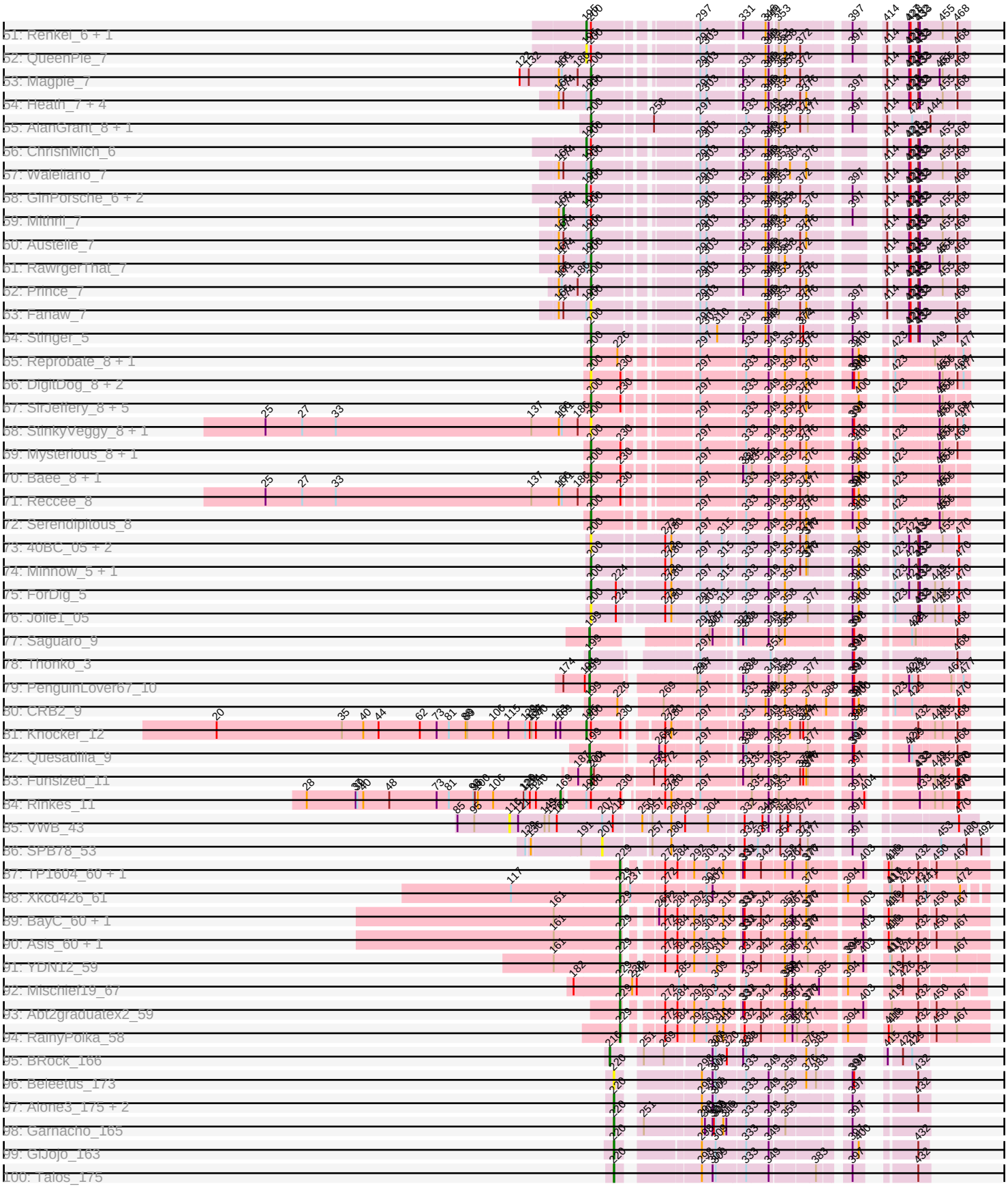
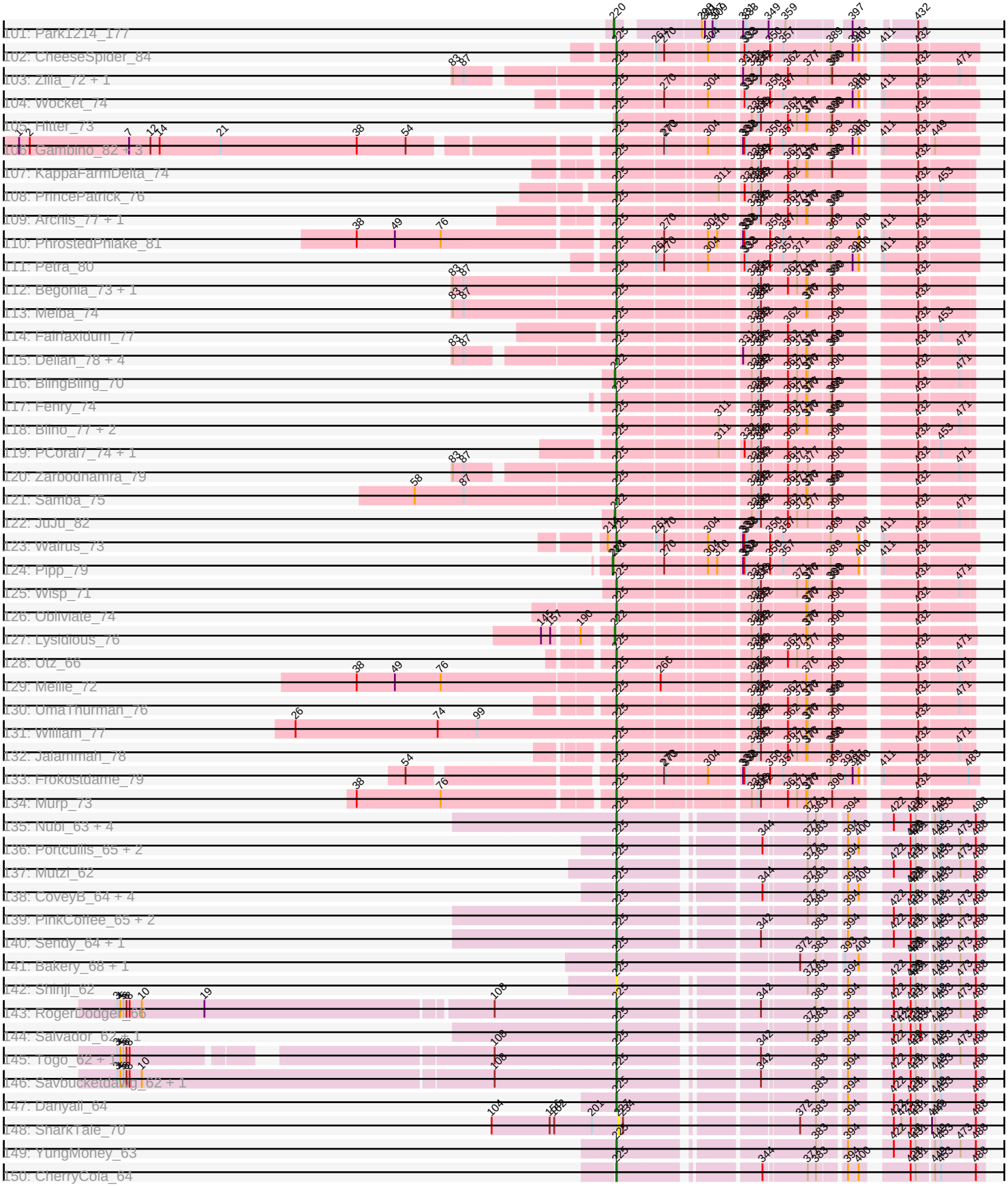
# Pham 347029



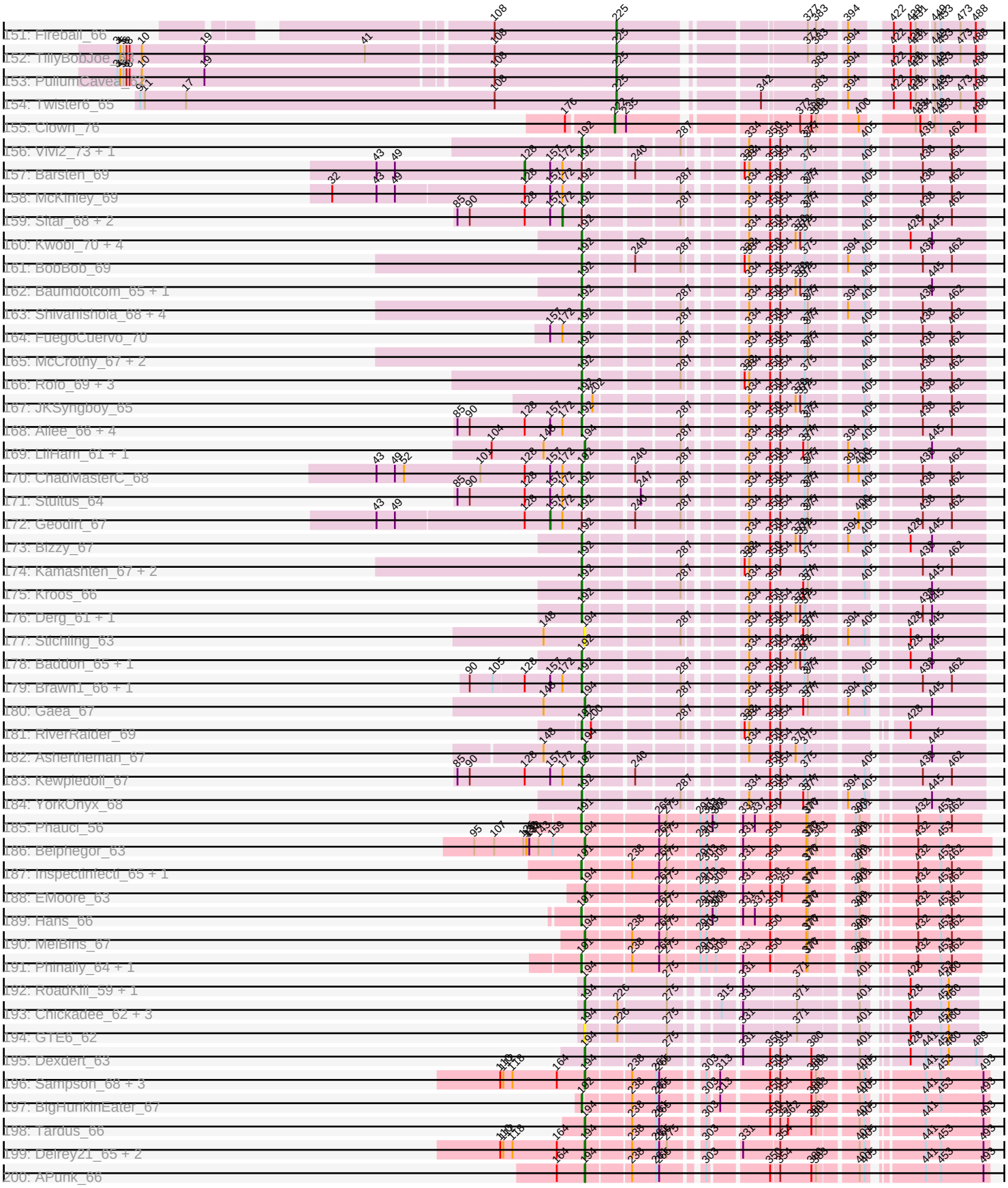
# Pham 347029


51: Renkei_6 + 1
52: QueenPie_7
53: Magpie_7
54: Heath_7 + 4
55: AlanGrant_8 + 1
56: ChrishMich_6
57: Waleliano_7
58: GinPorsche_6 + 2
59: Mithril_7
60: Austelle_7
61: RawrgerThat_7
62: Prince_7
63: Fanaw_7
64: Stinger_5
65: Reprobate_8 + 1
66: DigitDog_8 + 2
67: SirJeffery_8 + 5
68: StinkyVeggy_8 + 1
69: Mysterious_8 + 1
70: Baee_8 + 1
71: Reccee_8
72: Serendipitous_8
73: 40BC_05 + 2
74: Minnow_5 + 1
75: ForDig_5
76: Jolie1_05
77: Saguaro_9
78: Thonko_3
79: PenguinLover67_10
80: CRB2_9
81: Knocker_12
82: Quesadilla_9
83: Funsized_11
84: Rinkes_11
85: VWB_43
86: SPB78_53
87: TP1604_60 + 1
88: Xkcd426_61
89: BayC_60 + 1
90: Asis_60 + 1
91: YDN12_59
92: Mischief19_67
93: Abt2graduatex2_59
94: RainyPolka_58
95: BRock_166
96: Beleetus_173
97: Alone3_175 + 2
98: Garnacho_165
99: GIJojo_163
100: Talos_175

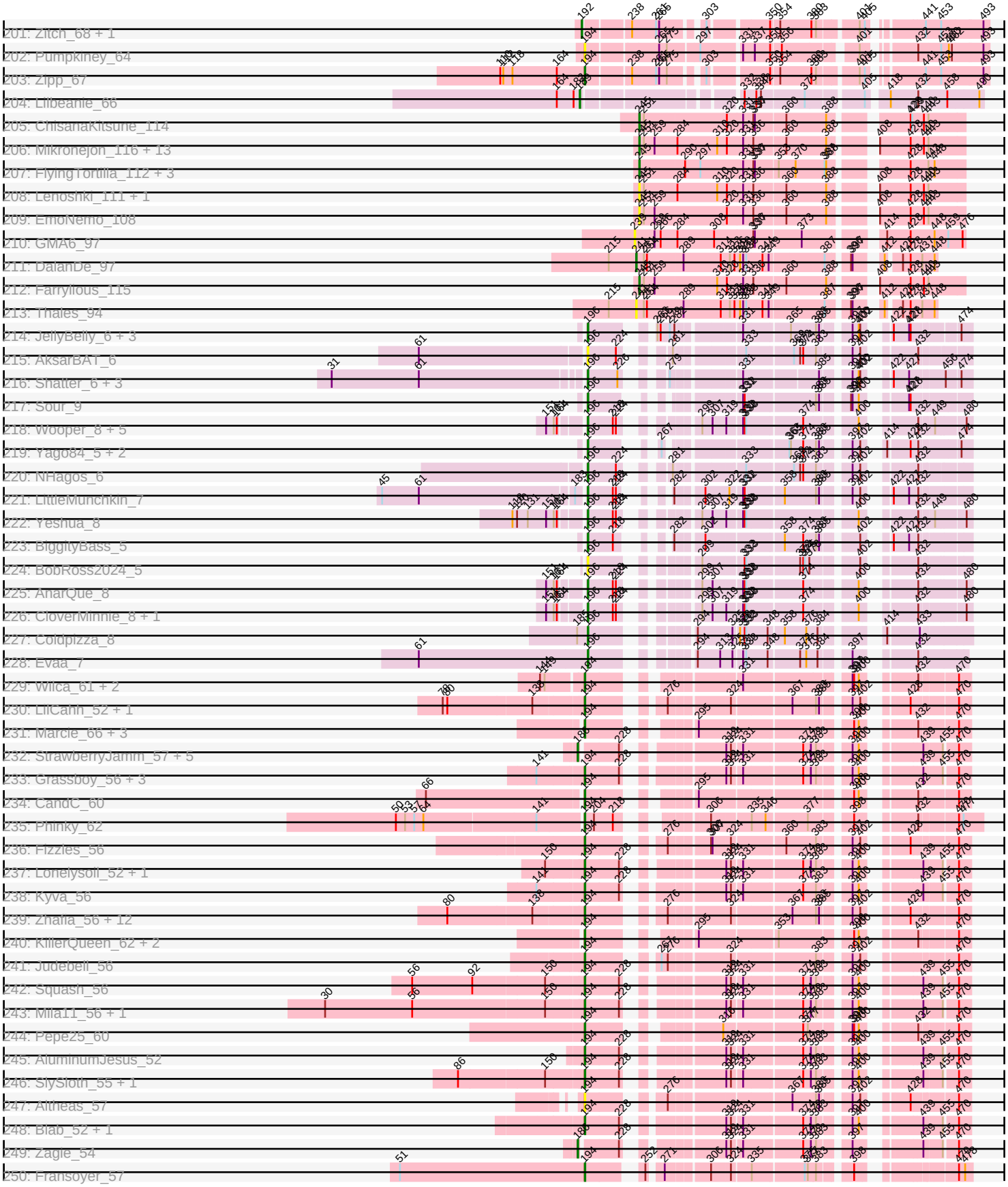
# Pham 347029



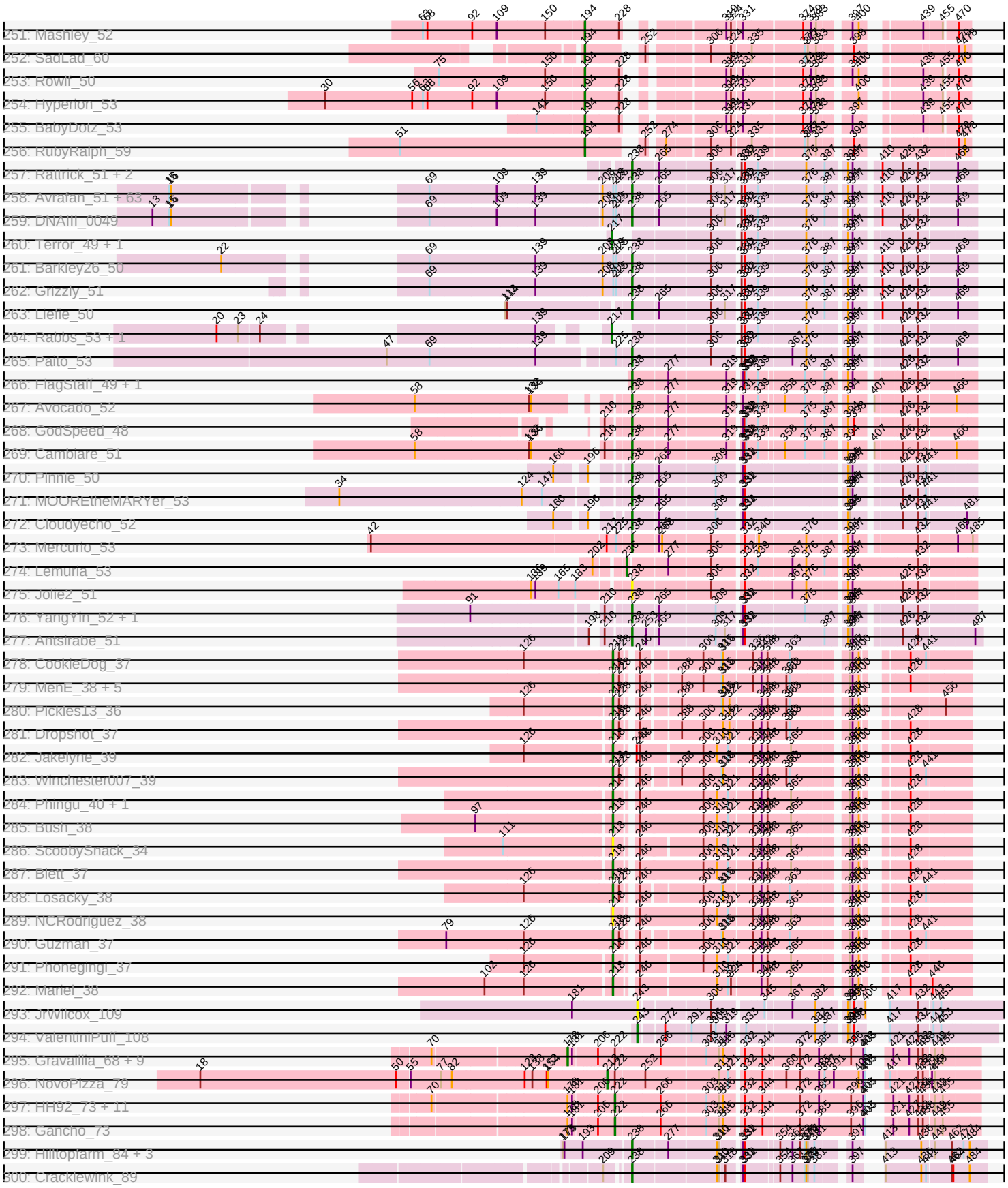
# Pham 347029



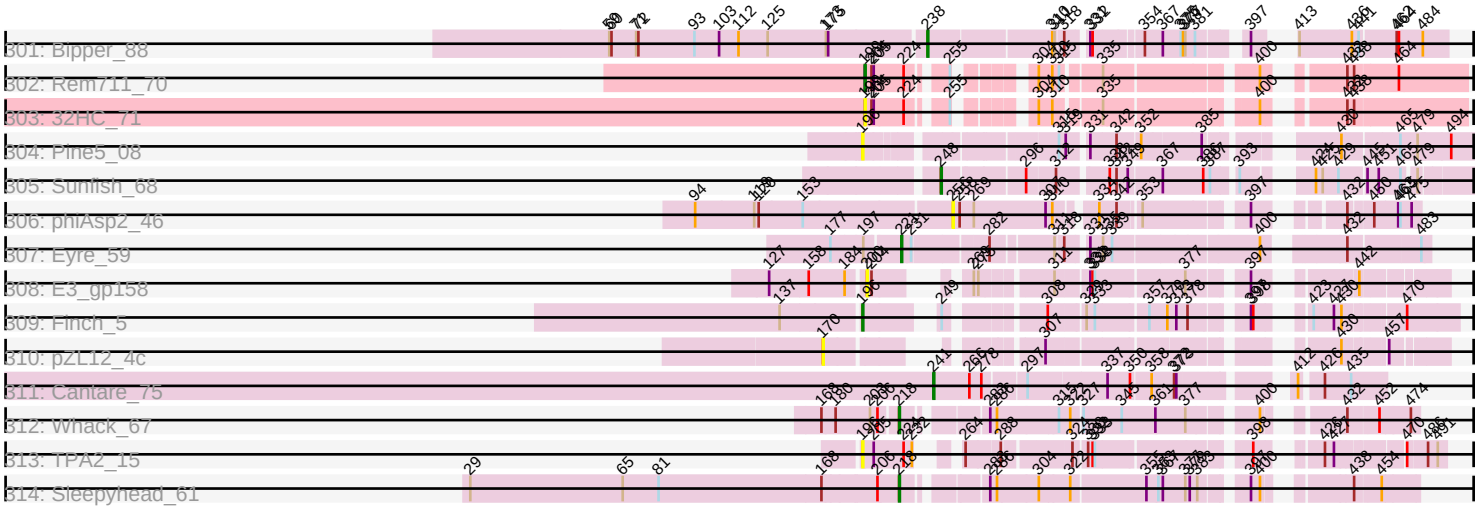
# Pham 347029


201: Zitch_68 + 1
202: Pumpkiney_64
203: Zipp_67
204: Lilbeanie_66
205: ChisanaKitsune_114
206: Mikronejon_116 + 13
207: FlyingTortilla_112 + 3
208: Lenoshki_111 + 1
209: EmoNemo_108
210: GMA6_97
211: DalanDe_97
212: Farryllous_115
213: Thales_94
214: JellyBelly_6 + 3
215: AksarBAT_6
216: Shatter_6 + 3
217: Sour_9
218: Wooper_8 + 5
219: Yago84_5 + 2
220: NHagos_6
221: LittleMunchkin_7
222: Yeshua_8
223: BiggityBass_5
224: BobRoss2024_5
225: AnarQue_8
226: CloverMinnie_8 + 1
227: Coldpizza_8
228: Evaa_7
229: Wilca_61 + 2
230: LilCahh_52 + 1
231: Marcie_66 + 3
232: StrawberryJamm_57 + 5
233: Grassboy_56 + 3
234: CandC_60
235: Phinky_62
236: Fizzies_56
237: Lonelysoil_52 + 1
238: Kyva_56
239: Zhalia_56 + 12
240: KillerQueen_62 + 2
241: Judebell_56
242: Squash_56
243: Mila11_56 + 1
244: Pepe25_60
245: AluminumJesus_52
246: SlySloth_55 + 1
247: Aitheas_57
248: Blab_52 + 1
249: Zagie_54
250: Fransoyer_57

# Pham 347029


251: Mashley_52
252: SadLad_60
253: Rowil_50
254: Hyperion_53
255: BabyDotz_53
256: RubyRalph_59
257: Rattrick_51 + 2
258: Avralan_51 + 63
259: DNAm_0049
260: Terror_49 + 1
261: Barkley26_50
262: Grizzly_51
263: Lielle_50
264: Rabbs_53 + 1
265: Paito_53
266: FlagStaff_49 + 1
267: Avocado_52
268: GodSpeed_48
269: Cambiare_51
270: Pinnie_50
271: MOOREtheMARYer_53
272: Cloudyecho_52
273: Mercurio_53
274: Lemuria_53
275: Jolie2_51
276: YangYin_52 + 1
277: Antsirabe_51
278: CookieDog_37
279: MenE_38 + 5
280: Pickles13_36
281: Dropshot_37
282: Jakelyne_39
283: Winchester007_39
284: Phingu_40 + 1
285: Bush_38
286: ScoobySnack_34
287: Blett_37
288: Losacky_38
289: NCRodriguez_38
290: Guzman_37
291: Phonegingi_37
292: Mariel_38
293: JrWilcox_109
294: ValentiniPuff_108
295: Gravalilla_68 + 9
296: NovoPizza_79
297: HH92_73 + 11
298: Gancho_73
299: Hilltopfarm_84 + 3
300: Cracklewink_89

# Pham 347029


301: Bipper_88
302: Rem711_70
303: 32HC_71
304: Pine5_08
305: Sunfish_68
306: phiAsp2_46
307: Eyre_59
308: E3_gp158
309: Finch_5
310: pZL12_4c
311: Cantare_75
312: Whack_67
313: TPA2_15
314: Sleepyhead_61

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 347029 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 347029 has 941 members, 102 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_69
• Track 2 : JustASigh_69
• Track 3 : StAugustine_12, Causa_14
• Track 4 : Struggle_6, Selr12_6, MelsMeow_6, Tomlarah_6, Doddsville_6, Plmatters_6, Mag7_6, Chunky_6, Windsor_6, Veritas_6, MichaelPhcott_6, PhrankReynolds_6, Trypo_6, Phunky_6, Mesmerelda_6, Wallhey_6, Kimbrough_6, Lumine_6, Chuni_6, DuchessDung_6, Roliet_6, Melc17_6, ElvisPhasley_6, Crownjwl_7, Phipps_6, Labeouficaum_6, Freya_6, Oline_6, FleetyMac_6, Dione_6, Roscoe_7, Coletti_6, Derpp_6, PhenghisKhan_6, Olak_6, Scrick_6, Phleuron_6, BatteryCK_6, Chaelin_6, Chute_6, CharlieGBrown_6, Pinkman_6, TyrionL_6, Kailash_6, MiniBoss_6, Riverton_6, Kwksand96_6, Phergie_6, LuckyMarjie_6, BlueHusk_6
• Track 5 : Virgeve_6, HenryJackson_6, RedMaple_6, Childish_6, BoogieWoogie_6, Kloppinator_6, Legolas_6, Pops_6, Azuria_6, Pherdinand_6, Newman_6, Craff_6, LostAndPhound_6, Timmi_6, Oosterbaan_6, Haimas_6, Megatron_6, Aelin_6, Mana_6, Valjean_6, Kahve_6, TomBombadil_6, HighStump_6, BlacksBerry_6, Lulumae_6, Hekos_6, Xavier_6, Vaishali24_6, TallGrassMM_6, Roy17_6, Held_6, Squiggle_6, Yoshand_6, BlackStallion_6, Tooj_6, Potter_6, Sophia_6, Septica_6, Nyala_6, Caspiboi_6, Cornobble_6, Nicole21_6, KlimbOn_6, Daffy_6, MRabcd_6, LemonSlice_6, Omniscient_6, Mutante_6, Solosis_6, SassyCat97_6, JangoPhett_6, Antonia_6, Triad_6, FriarPreacher_6, Giraffe_6, Mecca_6, Virapocalypse_6, MitKao_6, Apizium_6, Cornbread_6, Hetaeria_6, CheetO_6, Serpentine_006, Phareon_6, Fringe_6, UAch1_6, Gwilliam_6, Murdoc_6, Manad_6, Waterdiva_6, Schadenfreude_6, Piglet_006, Inverness_6, Squid_6, Vivaldi_6, Telesworld_6, Pipsqueak_6, Hocus_6
• Track 6 : Aonishiki_6, Colbert_6, Morty_6, Skippy_6, DoesntMatter_6, DonSanchon_6, Riggan_6, PhrodoBaggins_6, ShiVal_6, Serendipity_6, Surely_6, True_6, Iridoclysis_6, Gophee_6, Usavi_6, Zaider_7, SilverBell_6, Hamish_6, Lulwa_6, UncleHowie_6, Simielle_6, Sigman_6, LeeLot_6, AbsoluteMadLad_6, Altwerkus_6, OliverWalter_6, Cher_6, Zelda_6, Phamished_6, Larson_7, QueenBeane_6, Samaymay_6, Flake_6, Bishoperium_6, Anderson_6, Banjo_6, Dice_6, Slatt_6, Keitherie_6, Kikipoo_6, Vortex_6, IsaacEli_6, PinheadLarry_6, ShadowBud_6, Mosaic_6, Chorkpop_6, Bluephacebaby_6, Gareth_6, Kwadwo_6,

Cannibal_6, Jillium_6, Podrick_6, Quisquiliae_6, HSavage_6, Spartan300_6, CamL_6, Morgushi_6, Numberten_6, Mcshane_6
• Track 7 : Fozzie_6, Brilliant_6, OneBrain_6, Orion_6, Swish_6, Eugenia_6, Adriana_6, EmpTee_6, Robyn_6, ThreeOh3D2_6, DaddyDaniels_6, Matalotodo_6, Orwigg_6, Grand2040_6, Jiraiya_6, Burr_6, DirtJuice_6, Plata_6, Placalicious_6, Boehler_6, Cobra_6, Longacauda_6, Soile_6, Vista_6, JakeO_6, Jesabah_6, Cosmolli16_6, TooFast2Furius_7, Fang_6, Durga_6, Emiris_6, Kiwot_6, Nathan_6, Chah_6, Jiminy_6, Soto_6, JDog_6, ABU_6, YouGoGlencoco_6, Nova1_6, HogWash_6, Badfish_6, Carthage_6, SDcharge11_6, Toni_6, Scoot17C_6, GeneCoco_6, DelRivs_6, ProfessorX_6, FugateOSU_6, Happabalu_6, Mesh1_6, Zonia_6, KingTut_6, Haleema_6, OSmaximus_6, Megamind20_7, Lego3393_6, Duggie_6, PG1_6, Aleia_6, Mulan_6, Iridessa_6, LeiMonet_6, Harvey_6, Maru_6, Pacifista_6, Nehme_6, Vaticameos_6, Salazzle_6, Dingo_6, Ricotta_6, Vectra_6, Lasso_6, PhatLouie_6, Mikota_6, PhatCats2014_6, Orfeu_6, Gwennie1_6
• Track 8 : FremontTroll_6, Olive_6, JacAttac_6
• Track 9 : Lopsy_6, GreenChile_7, Basato_7, Chipette_7, Eremos_6, Gyarad_006, RedRaider89_7, Suffolk_6, KLucky39_6, DolOn_8, Nacho_006, Sheila_6, Horchata_6, Frankicide_6
• Track 10 : Weher20_6, PallasAthena_6, AngelCake_6, NiaNia_6, Hartsy_6, Inchworm_6, CampRoach_6, LasagnaCat_6, Magic8_6, Dati_6
• Track 11 : Buckeye_6
• Track 12 : Hertubise_6, Thora_6, Puhltonio_6, Beaglebox_6
• Track 13 : AltPhacts_6, KingVeVeVe_6
• Track 14 : Imvubu_3
• Track 15 : Indlovu_7
• Track 16 : LilMcDreamy_8
• Track 17 : Zenteno07_11
• Track 18 : BirdsNest_10
• Track 19 : Hashim76_11
• Track 20 : LittleMinkey_12
• Track 21 : Boyle_9
• Track 22 : Kolhan_9
• Track 23 : Vic9_00009
• Track 24 : Eaglehorse_9, Glass_9, FrenchFry_9
• Track 25 : Calamitous_9, Brownie5_9, Sabella_9, Tinciduntsolum_10, LilSmirk_9, Hedgerow_9, Ares_9, Kheth_9, Opia_9, Lephleur_9, LizLemon_9, Holeinone_9, Lars_9, Allegro_9, Phantasmagoria_9, West99_9
• Track 26 : Bananafish_9, PrinceCharming_9, Blocker23_9, Faze9_9, Tres_9, Coffee_9
• Track 27 : Rhinoforte_9
• Track 28 : Laurie_9
• Track 29 : Godines_9
• Track 30 : ItsyBitsy1_9
• Track 31 : Arbiter_9
• Track 32 : MasterPo_9
• Track 33 : Qyrzula_9
• Track 34 : Kaleb_9
• Track 35 : TA17A_9
• Track 36 : Phlyer_8, Yahalom_8, Jackstina_7, Philly_7, RomaT_8, Pipefish_8, Athena_9
• Track 37 : Marlia_8, Morty007_8, Phayeta_8, Gervas_8, Marley1013_8, RagingRooster_8, Heathcliff_8, SwainyDoc_8, Casbah_7, Corofin_8, Neos5_8, Rita1961_8, Halfpint_7, SynergyX_8, Mortcellus_7, Deenasa_8, Kamiyu_8,

Bernardo_8, GlenHope_9, Compostia_8, Obutu_8, Olivio_7, Chandler_8, HarveySr_8, Glubnar_8, Mulaychimus_8, Chalmers_8, Chentzyk_7, LestyG_8
• Track 38 : Kronus_7, Shenandoah_8, Devonte_8, Gadjet_9, Baloo_8, Akoma_8, Ben11_7, TinyTerror_8, Audrey_8, Nozo_8, Abinghost_8, MmasiCarm_8, SlippinJimmy_8, Yinz_8, ChaChing_8
• Track 39 : Daisy_8, OrangeOswald_8, Briakila_8
• Track 40 : Tydolla_8
• Track 41 : JAMaL_6
• Track 42 : Fortunato_7
• Track 43 : Apex_6
• Track 44 : JaguarMi_7, Xincheng_7
• Track 45 : Ahwei_6, Lambano_6, Antihero_6, Epah_6, Hally898_6
• Track 46 : Mudslide_7, BrownCNA_7
• Track 47 : Nigel_5
• Track 48 : Zemanar_8, Frederick_7
• Track 49 : VioletZ_7
• Track 50 : Lolalove_7
• Track 51 : Renkei_6, LittleDigger_6
• Track 52 : QueenPie_7
• Track 53 : Magpie_7
• Track 54 : Heath_7, JoyceMaria_7, BobbyK_7, Hangman_7, Hydro_7
• Track 55 : AlanGrant_8, Vincenzo_8
• Track 56 : ChrisnMich_6
• Track 57 : Waleliano_7
• Track 58 : GinPorsche_6, Poster_6, Nanao_6
• Track 59 : Mithril_7
• Track 60 : Austelle_7
• Track 61 : RawrgerThat_7
• Track 62 : Prince_7
• Track 63 : Fanaw_7
• Track 64 : Stinger_5
• Track 65 : Reprobate_8, Phelemich_8
• Track 66 : DigitDog_8, Shenyu_8, Nangang_8
• Track 67 : SirJeffery_8, Suigeneris_8, Acadian_8, Donny_8, Rita130_8, EastView9101_8
• Track 68 : StinkyVeggy_8, KarasumaRum_8
• Track 69 : Mysterious_8, Nehemiah_7
• Track 70 : Baee_8, Rich_8
• Track 71 : Reccee_8
• Track 72 : Serendipitous_8
• Track 73 : 40BC_05, 39HC_05, Hosp_03
• Track 74 : Minnow_5, KayaCho_5
• Track 75 : ForDig_5
• Track 76 : Jolie1_05
• Track 77 : Saguaro_9
• Track 78 : Thonko_3
• Track 79 : PenguinLover67_10
• Track 80 : CRB2_9
• Track 81 : Knocker_12
• Track 82 : Quesadilla_9
• Track 83 : Funsized_11
• Track 84 : Rinkes_11
• Track 85 : VWB_43

• Track 86 : SPB78_53
• Track 87 : TP1604_60, BabyGotBac_61
• Track 88 : Xkcd426_61
• Track 89 : BayC_60, Salete_60
• Track 90 : Asis_60, Maih_59
• Track 91 : YDN12_59
• Track 92 : Mischief19_67
• Track 93 : Abt2graduatex2_59
• Track 94 : RainyPolka_58
• Track 95 : BRock_166
• Track 96 : Beleetus_173
• Track 97 : Alone3_175, LuckySocke_173, Fudan_172
• Track 98 : Garnacho_165
• Track 99 : GiJojo_163
• Track 100 : Talos_175
• Track 101 : Park1214_177
• Track 102 : CheeseSpider_84
• Track 103 : Zilla_72, Barco_72
• Track 104 : Wocket_74
• Track 105 : Hitter_73
• Track 106 : Gambino_82, Blueberry_79, Azula_80, MissRona_80
• Track 107 : KappaFarmDelta_74
• Track 108 : PrincePatrick_76
• Track 109 : Archis_77, ZiggyZoo_76
• Track 110 : PhrostedPhlake_81
• Track 111 : Petra_80
• Track 112 : Begonia_73, Malachai_73
• Track 113 : Melba_74
• Track 114 : Fairfaxidum_77
• Track 115 : Delian_78, CaptainKirk2_75, Guacamole_73, JasperJr_73, MintFen_75
• Track 116 : BlingBling_70
• Track 117 : Fenry_74
• Track 118 : Blino_77, CarolAnn_76, Soilmate_79
• Track 119 : PCoral7_74, Toast_74
• Track 120 : Zarbodnamra_79
• Track 121 : Samba_75
• Track 122 : JuJu_82
• Track 123 : Walrus_73
• Track 124 : Pipp_79
• Track 125 : Wisp_71
• Track 126 : Obliviate_74
• Track 127 : Lysidious_76
• Track 128 : Utz_66
• Track 129 : Mellie_72
• Track 130 : UmaThurman_76
• Track 131 : William_77
• Track 132 : Jalammah_78
• Track 133 : Frokostdame_79
• Track 134 : Murp_73
• Track 135 : Nubi_63, Barb_65, Fugax_66, ClamChowder_65, KimmyK_64
• Track 136 : Portcullis_65, Halo3_62, JohnPork_66
• Track 137 : Mutzi_62
• Track 138 : CoveyB_64, Valary_64, VanDeWege_65, Gezellig_61, Wizard_61

• Track 139 : PinkCoffee_65, Arri_64, Phlop_61
• Track 140 : Sendy_64, Egi03_63
• Track 141 : Bakery_68, Sixsevenium_66
• Track 142 : Shinji_62
• Track 143 : RogerDodger_66
• Track 144 : Salvador_62, Evamon_62
• Track 145 : Togo_62, SmokingBunny_63
• Track 146 : Savbucketdawg_62, Jambalaya_62
• Track 147 : Danyall_64
• Track 148 : SharkTale_70
• Track 149 : YungMoney_63
• Track 150 : CherryCola_64
• Track 151 : Fireball_66
• Track 152 : TillyBobJoe_63
• Track 153 : PullumCavea_62
• Track 154 : Twister6_65
• Track 155 : Clown_76
• Track 156 : Vivi2_73, Nordenberg_67
• Track 157 : Barsten_69
• Track 158 : McKinley_69
• Track 159 : Sitar_68, Bibwit_67, Lennon_68
• Track 160 : Kwobi_70, Flatwoods_67, Gustavo_68, Saronaya_68, StorminNorm_67
• Track 161 : BobBob_69
• Track 162 : Baumdotcom_65, Tangerine_67
• Track 163 : Shivanishola_68, MoontowerMania_68, Affeca_69, Love_73, Angelicage_67
• Track 164 : FuegoCuervo_70
• Track 165 : McCrothy_67, Galadriel_68, Paries_70
• Track 166 : Rofo_69, Tangent_71, Charming_72, Fosterous_71
• Track 167 : JKSyngboy_65
• Track 168 : Ailee_66, Fitzgerald_67, Sedona_67, Keitabear_67, Sanjuju_67
• Track 169 : LilHam_61, SchottB_64
• Track 170 : ChadMasterC_68
• Track 171 : Stultus_64
• Track 172 : Geodirt_67
• Track 173 : Bizzy_67
• Track 174 : Kamashten_67, Thing3_67, Brandonk123_73
• Track 175 : Kroos_66
• Track 176 : Derg_61, Ribeye_67
• Track 177 : Stichling_63
• Track 178 : Baddon_65, Tycho_65
• Track 179 : Brawn1_66, Jabberwocky_67
• Track 180 : Gaea_67
• Track 181 : RiverRaider_69
• Track 182 : Ashertheman_67
• Track 183 : Kewpiedoll_67
• Track 184 : YorkOnyx_68
• Track 185 : Phauci_56
• Track 186 : Belphegor_63
• Track 187 : Inspectinfecti_65, Ali17_61
• Track 188 : EMoore_63
• Track 189 : Hans_66
• Track 190 : MelBins_67

• Track 191 : Phinally_64, Leonard_64
• Track 192 : RoadKill_59, EdmundFerry_59
• Track 193 : Chickadee_62, Twonlo_60, Kwekel_62, Tiamoceli_62
• Track 194 : GTE6_62
• Track 195 : Dexdert_63
• Track 196 : Sampson_68, Natkenzie_66, Scioto_67, Abblin_66
• Track 197 : BigHunkinEater_67
• Track 198 : Tardus_66
• Track 199 : Delrey21_65, DoctorFroggo_65, Verity_65
• Track 200 : APunk_66
• Track 201 : Zitch_68, ViaConlectus_65
• Track 202 : Pumpkiney_64
• Track 203 : Zipp_67
• Track 204 : Lilbeanie_66
• Track 205 : ChisanaKitsune_114
• Track 206 : Mikronejon_116, Gray_112, Aloki_114, Pakusa_109, MintFritos_112, Argena_114, Amoonguss_113, Oogie_115, Kabocha_116, Twin_110, Chidiebere_115, Toneprano_112, Schomber_113, Hanem_114
• Track 207 : FlyingTortilla_112, FruityLoops_115, ScarletRaider_113, UBSmoodge_117
• Track 208 : Lenoshki_111, Beted_111
• Track 209 : EmoNemo_108
• Track 210 : GMA6_97
• Track 211 : DalanDe_97
• Track 212 : Farrylious_115
• Track 213 : Thales_94
• Track 214 : JellyBelly_6, Coco2012_6, CharlottesWeb_6, Mariokart_6
• Track 215 : AksarBAT_6
• Track 216 : Shatter_6, Ligma_6, Fresco_6, Axumite_6
• Track 217 : Sour_9
• Track 218 : Wooper_8, MossRose_8, FelixTres_8, CaiB_8, TraderJ_8, MakoManhole_8
• Track 219 : Yago84_5, Sisko_5, AnClar_5
• Track 220 : NHagos_6
• Track 221 : LittleMunchkin_7
• Track 222 : Yeshua_8
• Track 223 : BiggityBass_5
• Track 224 : BobRoss2024_5
• Track 225 : AnarQue_8
• Track 226 : CloverMinnie_8, Blackpen_8
• Track 227 : Coldpizza_8
• Track 228 : Evaa_7
• Track 229 : Wilca_61, BirdInFrench_61, Spiderpig_61
• Track 230 : LilCahh_52, EverythinBagel_52
• Track 231 : Marcie_66, Kelcole_59, Tempo_61, OneinaGillian_61
• Track 232 : StrawberryJamm_57, WheelerS25_60, FrankDeliGuy_50, Namago_54, SallyK_55, ZestyBestie_51
• Track 233 : Grassboy_56, Tissue_55, Nike_54, Mentos_56
• Track 234 : CandC_60
• Track 235 : Phinky_62
• Track 236 : Fizzles_56
• Track 237 : Lonelysoil_52, Gazebo_53
• Track 238 : Kyva_56

• Track 239 : Zhafia_56, Rudy_51, Wayne3_55, Wheelie_53, DonaldDuck_53, Casend_54, Llemily_53, Jehoshaphat_55, Sillytadpoles_54, Quammi_51, Viceroy_52, Teehee_54, Phabia_53
• Track 240 : KillerQueen_62, Romm_63, RobinRose_63
• Track 241 : Judebell_56
• Track 242 : Squash_56
• Track 243 : Mila11_56, MorillMayhem_54
• Track 244 : Pepe25_60
• Track 245 : AluminumJesus_52
• Track 246 : SlySloth_55, Statler_55
• Track 247 : Altheas_57
• Track 248 : Blab_52, BaconCheese_57
• Track 249 : Zagie_54
• Track 250 : Fransoyer_57
• Track 251 : Mashley_52
• Track 252 : SadLad_60
• Track 253 : Rowlf_50
• Track 254 : Hyperion_53
• Track 255 : BabyDotz_53
• Track 256 : RubyRalph_59
• Track 257 : Rattrick_51, Jolene_51, Periodt_51
• Track 258 : Avrafan_51, Wendigo_51, Hotshotbaby7_51, Hope_51, BPs_51, TinaBug_51, Renaissance_51, Cedasite_51, AzulaCat_51, GoldenAsh_50, LouisV14_53, TomBrady_51, DMoney_50, ECartman_49, Phloodle_51, Sweets_50, Sizemore_51, Chance64_51, Crespo_50, Kareem_51, Marmie_51, Gideon_52, Remy19_51, Darionha_51, Jeilious_51, AizenPogi_50, Gomashi_50, ForeverHowLong_49, Camri_51, BQuat_51, Peeb_50, Jonghyun_49, Halo_51, Maliketh_51, Neoh_52, ZoMa_49, BruceB_51, Aroostook_51, Plagueis_51, Cherrybomb426_51, Mowgli_51, Frosty24_51, CLED96_51, Richarlison_51, Phreak_51, Kasen3_51, Olga_51, Zombie_50, MZKinsey_51, Phish_50, DingDing_51, JorRay_51, Coleslaw_51, Primanti_49, Ruriko_51, Annihilator_51, ShaboiShabazz_50, PinkYoshi_51, Jane_51, CassieYates_51, Terralys_48, OctaviousRex_50, Angel_51, Schiebel_51
• Track 259 : DNAIII_0049
• Track 260 : Terror_49, Taheera_49
• Track 261 : Barkley26_50
• Track 262 : Grizzly_51
• Track 263 : Liefie_50
• Track 264 : Rabbs_53, Sneeze_52
• Track 265 : Paito_53
• Track 266 : FlagStaff_49, Pace1224_50
• Track 267 : Avocado_52
• Track 268 : GodSpeed_48
• Track 269 : Cambiare_51
• Track 270 : Pinnie_50
• Track 271 : MOOREtheMARYer_53
• Track 272 : Cloudyecho_52
• Track 273 : Mercurio_53
• Track 274 : Lemuria_53
• Track 275 : Jolie2_51
• Track 276 : YangYin_52, Stargaze_52
• Track 277 : Antsirabe_51
• Track 278 : CookieDog_37

• Track 279 : MenE_38, Carrillo_39, Violeta_39, Appa_37, PhillyJawn_38, Antuna_38
• Track 280 : Pickles13_36
• Track 281 : Dropshot_37
• Track 282 : Jakelyne_39
• Track 283 : Winchester007_39
• Track 284 : Phingu_40, Warren_37
• Track 285 : Bush_38
• Track 286 : ScoobySnack_34
• Track 287 : Blett_37
• Track 288 : Losacky_38
• Track 289 : NCRodriguez_38
• Track 290 : Guzman_37
• Track 291 : Phonegingi_37
• Track 292 : Mariel_38
• Track 293 : JrWilcox_109
• Track 294 : ValentiniPuff_108
• Track 295 : Gravaillia_68, Giles_67, Hadrien_71, Forge_67, Luke_71, Hail_67, Wishmaker_67, Dewey_67, Daegal_76, Luna22_67
• Track 296 : NovoPizza_79
• Track 297 : HH92_73, Amymech_74, Webster2_74, OBUpride_73, LilHazelnut_74, Kinbote_72, Ubuntu_74, DeepSoil15_74, BloominB_73, Evanesce_73, Amochick_75, Ein37_74
• Track 298 : Gancho_73
• Track 299 : Hilltopfarm_84, AuntGwenStacy_84, Faiyaz_85, Typha_83
• Track 300 : Cracklewink_89
• Track 301 : Bipper_88
• Track 302 : Rem711_70
• Track 303 : 32HC_71
• Track 304 : Pine5_08
• Track 305 : Sunfish_68
• Track 306 : phiAsp2_46
• Track 307 : Eyre_59
• Track 308 : E3_gp158
• Track 309 : Finch_5
• Track 310 : pZL12_4c
• Track 311 : Cantare_75
• Track 312 : Whack_67
• Track 313 : TPA2_15
• Track 314 : Sleepyhead_61

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

The start number called the most often in the published annotations is 199, it was called in 359 of the 839 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 32HC_71, ABU_6, Abinghost_8, AbsoluteMadLad_6, Adriana_6, Aelin_6, Akoma_8, Aleia_6, Allegro_9, AltPhacts_6, Altwerkus_6, Anderson_6, AngelCake_6, Antonia_6, Aonishiki_6, Apizium_6, Ares_9, Audrey_8, Azuria_6, Badfish_6, Baloo_8, Bananafish_9, Banjo_6, Basato_7, BatteryCK_6, Beaglebox_6, Ben11_7,

Bernardo_8, Bishoperium_6, BlackStallion_6, BlacksBerry_6, Blocker23_9, BlueHusk_6, Bluephacebaby_6, Boehler_6, BoogieWoogie_6, Boyle_9, Brilliant_6, Brownie5_9, Buckeye_6, Burr_6, CRB2_9, Calamitous_9, CamL_6, CampRoach_6, Cannibal_6, Carthage_6, Casbah_7, Caspiboi_6, ChaChing_8, Chaelin_6, Chah_6, Chalmers_8, Chandler_8, CharlieGBrown_6, CheetO_6, Chentzyk_7, Cher_6, Childish_6, Chipette_7, Chorkpop_6, Chuni_6, Chunky_6, Chute_6, Cobra_6, Coffee_9, Colbert_6, Coletti_6, Compostia_8, Cornbread_6, Cornobble_6, Corofin_8, Cosmolli16_6, Craff_6, Crownjwl_7, DaddyDaniels_6, Daffy_6, Dati_6, Deenasa_8, DelRivs_6, Derpp_6, Devonte_8, Dice_6, Dingo_6, Dione_6, DirtJuice_6, Doddsville_6, DoesntMatter_6, DolOn_8, DonSanchon_6, DuchessDung_6, Duggie_6, Durga_6, Eaglehorse_9, ElvisPhasley_6, Emiris_6, EmpTee_6, Eremos_6, Eugenia_6, Fang_6, Faze9_9, Flake_6, FleetyMac_6, Fozzie_6, Frankicide_6, FrenchFry_9, Freya_6, FriarPreacher_6, Fringe_6, FugateOSU_6, Gadjet_9, Gareth_6, GeneCoco_6, Gervas_8, Giraffe_6, Glass_9, GlenHope_9, Glubnar_8, Godines_9, Gophee_6, Grand2040_6, GreenChile_7, Gwennie1_6, Gwilliam_6, Gyarad_006, HSavage_6, Haimas_6, Haleema_6, Halfpint_7, Hamish_6, Happabalu_6, Hartsy_6, HarveySr_8, Harvey_6, Hashim76_11, Heathcliff_8, Hedgerow_9, Hekos_6, Held_6, HenryJackson_6, Hertubise_6, Hetaeria_6, HighStump_6, Hocus_6, HogWash_6, Holeinone_9, Horchata_6, Inchworm_6, Inverness_6, Iridessa_6, Iridoclysis_6, IsaacEli_6, ItsyBitsy1_9, JDog_6, JakeO_6, JangoPhett_6, Jesabah_6, Jillium_6, Jiminy_6, Jiraiya_6, KLucky39_6, Kahve_6, Kailash_6, Kamiyu_8, Keitherie_6, Kheth_9, Kikipoo_6, Kimbrough_6, KingTut_6, KingVeVeVe_6, Kiwot_6, KlimbOn_6, Kloppinator_6, Kolhan_9, Kronus_7, Kwadwo_6, Kwksand96_6, Labeouficaum_6, Lars_9, Larson_7, LasagnaCat_6, Lasso_6, Laurie_9, LeeLot_6, Lego3393_6, Legolas_6, LeiMonet_6, LemonSlice_6, Lephleur_9, LestyG_8, LilSmirk_9, LittleMinkey_12, LizLemon_9, Longacauda_6, Lopsy_6, LostAndPhound_6, LuckyMarjie_6, Lulumae_6, Lulwa_6, Lumine_6, MRabcd_6, Mag7_6, Magic8_6, Mana_6, Manad_6, Marley1013_8, Marlia_8, Maru_6, MasterPo_9, Matalotodo_6, Mcshane_6, Mecca_6, Megamind20_7, Megatron_6, Melc17_6, MelsMeow_6, Mesh1_6, Mesmerelda_6, MichaelPhcott_6, Mikota_6, MiniBoss_6, MitKao_6, MmasiCarm_8, Morgushi_6, Mortcellus_7, Morty007_8, Morty_6, Mosaic_6, Mulan_6, Mulaychimus_8, Murdoc_6, Mutante_6, Nacho_006, Nathan_6, Nehme_6, Neos5_8, Newman_6, NiaNia_6, Nicole21_6, Nova1_6, Nozo_8, Numberten_6, Nyala_6, OSmaximus_6, Obutu_8, Olak_6, Oline_6, OliverWalter_6, Olivio_7, Omniscient_6, OneBrain_6, Oosterbaan_6, Opia_9, Orfeu_6, Orion_6, Orwigg_6, PG1_6, Pacifista_6, PallasAthena_6, PenguinLover67_10, Phamished_6, Phantasmagoria_9, Phareon_6, PhatCats2014_6, PhatLouie_6, Phayeta_8, PhenghisKhan_6, Pherdinand_6, Phergie_6, Phipps_6, Phleuron_6, PhrankReynolds_6, PhrodoBaggins_6, Phunky_6, Piglet_006, PinheadLarry_6, Pinkman_6, Pipsqueak_6, Placalicious_6, Plata_6, Plmatters_6, Podrick_6, Pops_6, Potter_6, PrinceCharming_9, ProfessorX_6, Puhltonio_6, QueenBeane_6, Quesadilla_9, Quisquiliae_6, RagingRooster_8, RedMaple_6, RedRaider89_7, Rem711_70, Rhinoforte_9, Ricotta_6, Riggan_6, Rita1961_8, Riverton_6, Robyn_6, Roliet_6, Roscoe_7, Roy17_6, SDcharge11_6, Sabella_9, Saguaro_9, Salazzle_6, Samaymay_6, SassyCat97_6, Schadenfreude_6, Scoot17C_6, Scrick_6, Selr12_6, Septica_6, Serendipity_6, Serpentine_006, ShadowBud_6, Sheila_6, Shenandoah_8, ShiVal_6, Sigman_6, SilverBell_6, Simielle_6, Skippy_6, Slatt_6, SlippinJimmy_8, Soile_6, Solosis_6, Sophia_6, Soto_6, Spartan300_6, Squid_6, Squiggle_6, Struggle_6, Suffolk_6, Surely_6, SwainyDoc_8, Swish_6, SynergyX_8, TallGrassMM_6, Telesworld_6, Thonko_3, Thora_6, ThreeOh3D2_6, Timmi_6, Tinciduntsolum_10, TinyTerror_8, TomBombadil_6, Tomlarah_6, Toni_6, TooFast2Furius_7, Tooj_6, Tres_9, Triad_6, True_6, Trypo_6, TyrionL_6, UAch1_6, UncleHowie_6, Usavi_6, Vaishali24_6, Valjean_6,

Vaticameos_6, Vectra_6, Veritas_6, Vic9_00009, Virapocalypse_6, Virgeve_6, Vista_6, Vivaldi_6, Vortex_6, Wallhey_6, Waterdiva_6, Weher20_6, West99_9, Windsor_6, Xavier_6, Yinz_8, Yoshand_6, YouGoGlencoco_6, Zaider_7, Zelda_6, Zenteno07_11, Zonia_6,

Genes that have the "Most Annotated" start but do not call it:
• Arbiter_9, Athena_9, BirdsNest_10, Briakila_8, Daisy_8, FremontTroll_6, Indlovu_7, JacAttac_6, Jackstina_7, Kaleb_9, Nigel_5, Olive_6, OrangeOswald_8, Philly_7, Phlyer_8, Pipefish_8, Qyrzula_9, RomaT_8, TA17A_9, Tydolla_8, Yahalom_8,

Genes that do not have the "Most Annotated" start:
• 39HC_05, 40BC_05, APunk_66, Abblin_66, Abt2graduatex2_59, Acadian_8, Affeca_69, Ahwei_6, Ailee_66, AizenPogi_50, AksarBAT_6, AlanGrant_8, Ali17_61, Aloki_114, Alone3_175, Altheas_57, AluminumJesus_52, Amochick_75, Amoonguss_113, Amymech_74, AnClar_5, AnarQue_8, Angel_51, Angelicage_67, Annihilator_51, Antihero_6, Antsirabe_51, Antuna_38, Apex_6, Appa_37, Archis_77, Argena_114, Aroostook_51, Arri_64, Ashertheman_67, Asis_60, AuntGwenStacy_84, Austelle_7, Avocado_52, Avrafan_51, Axumite_6, AzulaCat_51, Azula_80, BPs_51, BQuat_51, BRock_166, BabyDotz_53, BabyGotBac_61, BaconCheese_57, Baddon_65, Baee_8, Bakery_68, Barb_65, Barco_72, Barkley26_50, Barsten_69, Baumdotcom_65, BayC_60, Begonia_73, Beleetus_173, Belphegor_63, Beted_111, Bibwit_67, BigHunkinEater_67, BiggityBass_5, Bipper_88, BirdInFrench_61, Bizzy_67, Blab_52, Blackpen_8, Blett_37, BlingBling_70, Blino_77, BloominB_73, Blueberry_79, BobBob_69, BobRoss2024_5, BobbyK_7, Brandonk123_73, Brawn1_66, BrownCNA_7, BruceB_51, Bush_38, CLED96_51, CaiB_8, Cambiare_51, Camri_51, CandC_60, Cantare_75, CaptainKirk2_75, CarolAnn_76, Carrillo_39, Casend_54, CassieYates_51, Causa_14, Cedasite_51, ChadMasterC_68, Chance64_51, CharlottesWeb_6, Charming_72, CheeseSpider_84, CherryCola_64, Cherrybomb426_51, Chickadee_62, Chidiebere_115, ChisanaKitsune_114, ChrisnMich_6, ClamChowder_65, Cloudyecho_52, CloverMinnie_8, Clown_76, Coco2012_6, Coldpizza_8, Coleslaw_51, CookieDog_37, CoveyB_64, Cracklewink_89, Crespo_50, DMoney_50, DNAIII_0049, Daegal_76, DalanDe_97, Danyall_64, Darionha_51, DeepSoil15_74, Delian_78, Delrey21_65, Derg_61, Dewey_67, Dexdert_63, DigitDog_8, DingDing_51, DoctorFroggo_65, DonaldDuck_53, Donny_8, Dropshot_37, E3_gp158, ECartman_49, EMoore_63, EastView9101_8, EdmundFerry_59, Egi03_63, Ein37_74, EmoNemo_108, Epah_6, Evaa_7, Evamon_62, Evanesce_73, EverythinBagel_52, Eyre_59, Fairfaxidum_77, Faiyaz_85, Fanaw_7, Farrylious_115, FelixTres_8, Fenry_74, Finch_5, Fireball_66, Fitzgerald_67, Fizzles_56, FlagStaff_49, Flatwoods_67, FlyingTortilla_112, ForDig_5, ForeverHowLong_49, Forge_67, Fortunato_7, Fosterous_71, FrankDeliGuy_50, Fransoyer_57, Frederick_7, Fresco_6, Frokostdame_79, Frosty24_51, FruityLoops_115, Fudan_172, FuegoCuervo_70, Fugax_66, Funsized_11, GMA6_97, GTE6_62, Gaea_67, Galadriel_68, Gambino_82, Gancho_73, Garnacho_165, Gazebo_53, Geodirt_67, Gezellig_61, GiJojo_163, Gideon_52, Giles_67, GinPorsche_6, GodSpeed_48, GoldenAsh_50, Gomashi_50, Grassboy_56, Gravaillia_68, Gray_112, Grizzly_51, Guacamole_73, Gustavo_68, Guzman_37, HH92_73, Hadrien_71, Hail_67, Hally898_6, Halo3_62, Halo_51, Hanem_114, Hangman_7, Hans_66, Heath_7, Hilltopfarm_84, Hitter_73, Hope_51, Hosp_03, Hotshotbaby7_51, Hydro_7, Hyperion_53, Imvubu_3, Inspectinfecti_65, JAMaL_6, JKSyngboy_65, Jabberwocky_67, JaguarMi_7, Jakelyne_39, Jalammah_78, Jambalaya_62, Jane_51, JasperJr_73, Jehoshaphat_55, Jeilious_51, JellyBelly_6, JohnPork_66, Jolene_51, Jolie1_05, Jolie2_51, Jonghyun_49, JorRay_51, JoyceMaria_7, JrWilcox_109,

JuJu_82, Judebell_56, JustASigh_69, Kabocha_116, Kamashten_67, KappaFarmDelta_74, KarasumaRum_8, Kareem_51, Kasen3_51, KayaCho_5, Keitabear_67, Kelcole_59, Kewpiedoll_67, KillerQueen_62, KimmyK_64, Kinbote_72, Knocker_12, Kroos_66, Kwekel_62, Kwobi_70, Kyva_56, Lambano_6, Lemuria_53, Lennon_68, Lenoshki_111, Leonard_64, Liefie_50, Ligma_6, LilCahh_52, LilHam_61, LilHazelnut_74, LilMcDreamy_8, Lilbeanie_66, LittleDigger_6, LittleMunchkin_7, Llemily_53, Lolalove_7, Lonelysoil_52, Losacky_38, LouisV14_53, Love_73, LuckySocke_173, Luke_71, Luna22_67, Lysidious_76, MOOREtheMARYer_53, MZKinsey_51, Magpie_7, Maih_59, MakoManhole_8, Malachai_73, Maliketh_51, Marcie_66, Mariel_38, Mariokart_6, Marmie_51, Mashley_52, McCrothy_67, McKinley_69, MelBins_67, Melba_74, Mellie_72, MenE_38, Mentos_56, Mercurio_53, Mikronejon_116, Mila11_56, Minnow_5, MintFen_75, MintFritos_112, Mischief19_67, MissRona_80, Mithril_7, MoontowerMania_68, MorillMayhem_54, MossRose_8, Mowgli_51, Mudslide_7, Murp_73, Mutzi_62, Mysterious_8, NCRodriguez_38, NHagos_6, Namago_54, Nanao_6, Nangang_8, Natkenzie_66, Nehemiah_7, Neoh_52, Nike_54, Nordenberg_67, NovoPizza_79, Nubi_63, OBUpride_73, Obliviate_74, OctaviousRex_50, Olga_51, OneinaGillian_61, Oogie_115, PCoral7_74, Pace1224_50, Paito_53, Pakusa_109, Paries_70, Park1214_177, Peeb_50, Pepe25_60, Periodt_51, Petra_80, Phabia_53, Phauci_56, Phelemich_8, PhillyJawn_38, Phinally_64, Phingu_40, Phinky_62, Phish_50, Phloodle_51, Phlop_61, Phonegingi_37, Phreak_51, PhrostedPhlake_81, Pickles13_36, Pine5_08, PinkCoffee_65, PinkYoshi_51, Pinnie_50, Pipp_79, Plagueis_51, Portcullis_65, Poster_6, Primanti_49, PrincePatrick_76, Prince_7, PullumCavea_62, Pumpkiney_64, Quammi_51, QueenPie_7, Rabbs_53, RainyPolka_58, Rattrick_51, RawrgerThat_7, Reccee_8, Remy19_51, Renaissance_51, Renkei_6, Reprobate_8, Ribeye_67, Rich_8, Richarlison_51, Rinkes_11, Rita130_8, RiverRaider_69, RoadKill_59, RobinRose_63, Rofo_69, RogerDodger_66, Romm_63, Rowlf_50, RubyRalph_59, Rudy_51, Ruriko_51, SPB78_53, SadLad_60, Salete_60, SallyK_55, Salvador_62, Samba_75, Sampson_68, Sanjuju_67, Saronaya_68, Savbucketdawg_62, ScarletRaider_113, Schiebel_51, Schomber_113, SchottB_64, Scioto_67, ScoobySnack_34, Sedona_67, Sendy_64, Serendipitous_8, ShaboiShabazz_50, SharkTale_70, Shatter_6, Shenyu_8, Shinji_62, Shivanishola_68, Sillytadpoles_54, SirJeffery_8, Sisko_5, Sitar_68, Sixsevenium_66, Sizemore_51, Sleepyhead_61, SlySloth_55, SmokingBunny_63, Sneeze_52, Soilmate_79, Sour_9, Spiderpig_61, Squash_56, StAugustine_12, Stargaze_52, Statler_55, Stichling_63, Stinger_5, StinkyVeggy_8, StorminNorm_67, StrawberryJamm_57, Stultus_64, Suigeneris_8, Sunfish_68, Sweets_50, TP1604_60, TPA2_15, Taheera_49, Talos_175, Tangent_71, Tangerine_67, Tardus_66, Teehee_54, Tempo_61, Terralys_48, Terror_49, Thales_94, Thing3_67, Tiamoceli_62, TillyBobJoe_63, TinaBug_51, Tissue_55, Toast_74, Togo_62, TomBrady_51, Toneprano_112, TraderJ_8, Twin_110, Twister6_65, Twonlo_60, Tycho_65, Typha_83, UBSmoodge_117, Ubuntu_74, UmaThurman_76, Utz_66, VWB_43, Valary_64, ValentiniPuff_108, VanDeWege_65, Verity_65, ViaConlectus_65, Viceroy_52, Vincenzo_8, VioletZ_7, Violeta_39, Vivi2_73, Waleliano_7, Walrus_73, Warren_37, Wayne3_55, Webster2_74, Weirdo19_69, Wendigo_51, Whack_67, WheelerS25_60, Wheelie_53, Wilca_61, William_77, Winchester007_39, Wishmaker_67, Wisp_71, Wizard_61, Wocket_74, Wooper_8, Xincheng_7, Xkcd426_61, YDN12_59, Yago84_5, YangYin_52, Yeshua_8, YorkOnyx_68, YungMoney_63, Zagie_54, Zarbodnamra_79, Zemanar_8, ZestyBestie_51, Zhafia_56, ZiggyZoo_76, Zilla_72, Zipp_67, Zitch_68, ZoMa_49, Zombie_50, pZL12_4c, phiAsp2_46,

**Summary by start number:**

Start 116:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VWB_43 (BA),

Start 122:
• Found in 4 of 941 ( 0.4% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 25.0% of time when present
• Phage (with cluster) where this start called: JustASigh_69 (AH),

Start 128:
• Found in 18 of 941 ( 1.9% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Barsten_69 (DE1), Weirdo19_69 (AH),

Start 133:
• Found in 37 of 941 ( 3.9% ) of genes in pham
• Manual Annotations of this start: 3 of 839
• Called 8.1% of time when present
• Phage (with cluster) where this start called: Arbiter_9 (B2), Qyrzula_9 (B2), TA17A_9 (B2),

Start 146:
• Found in 27 of 941 ( 2.9% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 3.7% of time when present
• Phage (with cluster) where this start called: Kaleb_9 (B2),

Start 157:
• Found in 37 of 941 ( 3.9% ) of genes in pham
• Manual Annotations of this start: 5 of 839
• Called 13.5% of time when present
• Phage (with cluster) where this start called: Briakila_8 (B3), Daisy_8 (B3), Geodirt_67 (DE1), OrangeOswald_8 (B3), Tydolla_8 (B3),

Start 159:
• Found in 37 of 941 ( 3.9% ) of genes in pham
• Manual Annotations of this start: 7 of 839
• Called 18.9% of time when present
• Phage (with cluster) where this start called: Athena_9 (B3), Jackstina_7 (B3), Philly_7 (B3), Phlyer_8 (B3), Pipefish_8 (B3), RomaT_8 (B3), Yahalom_8 (B3),

Start 169:
• Found in 2 of 941 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rinkes_11 (B9),

Start 170:

• Found in 1 of 941 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: pZL12_4c (singleton),

Start 172:
• Found in 17 of 941 ( 1.8% ) of genes in pham
• Manual Annotations of this start: 3 of 839
• Called 17.6% of time when present
• Phage (with cluster) where this start called: Bibwit_67 (DE1), Lennon_68 (DE1), Sitar_68 (DE1),

Start 174:
• Found in 17 of 941 ( 1.8% ) of genes in pham
• Manual Annotations of this start: 4 of 839
• Called 23.5% of time when present
• Phage (with cluster) where this start called: Fortunato_7 (B4), Frederick_7 (B4), Mithril_7 (B4), Zemanar_8 (B4),

Start 178:
• Found in 23 of 941 ( 2.4% ) of genes in pham
• Manual Annotations of this start: 10 of 839
• Called 43.5% of time when present
• Phage (with cluster) where this start called: Daegal_76 (Q), Dewey_67 (Q), Forge_67 (Q), Giles_67 (Q), Gravaillia_68 (Q), Hadrien_71 (Q), Hail_67 (Q), Luke_71 (Q), Luna22_67 (Q), Wishmaker_67 (Q),

Start 186:
• Found in 14 of 941 ( 1.5% ) of genes in pham
• Manual Annotations of this start: 6 of 839
• Called 50.0% of time when present
• Phage (with cluster) where this start called: FrankDeliGuy_50 (EG), Namago_54 (EG), SallyK_55 (EG), StrawberryJamm_57 (EG), WheelerS25_60 (EG), Zagie_54 (EG), ZestyBestie_51 (EG),

Start 188:
• Found in 5 of 941 ( 0.5% ) of genes in pham
• Manual Annotations of this start: 2 of 839
• Called 40.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_10 (B13), Indlovu_7 (B11),

Start 189:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_66 (DE5),

Start 190:
• Found in 3 of 941 ( 0.3% ) of genes in pham
• Manual Annotations of this start: 2 of 839
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Causa_14 (AI), StAugustine_12 (AI),

Start 191:
• Found in 7 of 941 ( 0.7% ) of genes in pham
• Manual Annotations of this start: 6 of 839
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Ali17_61 (DE2), Hans_66 (DE2), Inspectinfecti_65 (DE2), Leonard_64 (DE2), Phauci_56 (DE2), Phinally_64 (DE2),

Start 192:
• Found in 54 of 941 ( 5.7% ) of genes in pham
• Manual Annotations of this start: 47 of 839
• Called 90.7% of time when present
• Phage (with cluster) where this start called: Affeca_69 (DE1), Ailee_66 (DE1), Angelicage_67 (DE1), Baddon_65 (DE1), Baumdotcom_65 (DE1), BigHunkinEater_67 (DE4), Bizzy_67 (DE1), BobBob_69 (DE1), Brandonk123_73 (DE1), Brawn1_66 (DE1), ChadMasterC_68 (DE1), Charming_72 (DE1), Derg_61 (DE1), Fitzgerald_67 (DE1), Flatwoods_67 (DE1), Fosterous_71 (DE1), FuegoCuervo_70 (DE1), Galadriel_68 (DE1), Gustavo_68 (DE1), JKSyngboy_65 (DE1), Jabberwocky_67 (DE1), Kamashten_67 (DE1), Keitabear_67 (DE1), Kewpiedoll_67 (DE1), Kroos_66 (DE1), Kwobi_70 (DE1), Love_73 (DE1), McCrothy_67 (DE1), McKinley_69 (DE1), MoontowerMania_68 (DE1), Nordenberg_67 (DE1), Paries_70 (DE1), Ribeye_67 (DE1), RiverRaider_69 (DE1), Rofo_69 (DE1), Sanjuju_67 (DE1), Saronaya_68 (DE1), Sedona_67 (DE1), Shivanishola_68 (DE1), StorminNorm_67 (DE1), Stultus_64 (DE1), Tangent_71 (DE1), Tangerine_67 (DE1), Thing3_67 (DE1), Tycho_65 (DE1), ViaConlectus_65 (DE4), Vivi2_73 (DE1), YorkOnyx_68 (DE1), Zitch_68 (DE4),

Start 194:
• Found in 85 of 941 ( 9.0% ) of genes in pham
• Manual Annotations of this start: 73 of 839
• Called 94.1% of time when present
• Phage (with cluster) where this start called: APunk_66 (DE4), Abblin_66 (DE4), Altheas_57 (EG), AluminumJesus_52 (EG), Ashertheman_67 (DE1), BabyDotz_53 (EG), BaconCheese_57 (EG), Belphegor_63 (DE2), BirdInFrench_61 (EG), Blab_52 (EG), CandC_60 (EG), Casend_54 (EG), Chickadee_62 (DE3), Delrey21_65 (DE4), Dexdert_63 (DE3), DoctorFroggo_65 (DE4), DonaldDuck_53 (EG), EMoore_63 (DE2), EdmundFerry_59 (DE3), EverythinBagel_52 (EG), Fizzles_56 (EG), Fransoyer_57 (EG), GTE6_62 (DE3), Gaea_67 (DE1), Gazebo_53 (EG), Grassboy_56 (EG), Hyperion_53 (EG), Jehoshaphat_55 (EG), Judebell_56 (EG), Kelcole_59 (EG), KillerQueen_62 (EG), Kwekel_62 (DE3), Kyva_56 (EG), LilCahh_52 (EG), LilHam_61 (DE1), Llemily_53 (EG), Lonelysoil_52 (EG), Marcie_66 (EG), Mashley_52 (EG), MelBins_67 (DE2), Mentos_56 (EG), Mila11_56 (EG), MorillMayhem_54 (EG), Natkenzie_66 (DE4), Nike_54 (EG), OneinaGillian_61 (EG), Pepe25_60 (EG), Phabia_53 (EG), Phinky_62 (EG), Pumpkiney_64 (DE4), Quammi_51 (EG), RoadKill_59 (DE3), RobinRose_63 (EG), Romm_63 (EG), Rowlf_50 (EG), RubyRalph_59 (EG), Rudy_51 (EG), SadLad_60 (EG), Sampson_68 (DE4), SchottB_64 (DE1), Scioto_67 (DE4), Sillytadpoles_54 (EG), SlySloth_55 (EG), Spiderpig_61 (EG), Squash_56 (EG), Statler_55 (EG), Stichling_63 (DE1), Tardus_66 (DE4), Teehee_54 (EG), Tempo_61 (EG), Tiamoceli_62 (DE3), Tissue_55 (EG), Twonlo_60 (DE3), Verity_65 (DE4), Viceroy_52 (EG), Wayne3_55 (EG), Wheelie_53 (EG), Wilca_61 (EG), Zhafia_56 (EG), Zipp_67 (DE4),

Start 195:
• Found in 30 of 941 ( 3.2% ) of genes in pham

• Manual Annotations of this start: 6 of 839
• Called 30.0% of time when present
• Phage (with cluster) where this start called: ChrisnMich_6 (B4), GinPorsche_6 (B4), Knocker_12 (B9), LittleDigger_6 (B4), Lolalove_7 (B4), Nanao_6 (B4), Poster_6 (B4), QueenPie_7 (B4), Renkei_6 (B4),

Start 196:
• Found in 34 of 941 ( 3.6% ) of genes in pham
• Manual Annotations of this start: 24 of 839
• Called 94.1% of time when present
• Phage (with cluster) where this start called: AksarBAT_6 (DR), AnClar_5 (DR), AnarQue_8 (DR), Axumite_6 (DR), BiggityBass_5 (DR), Blackpen_8 (DR), BobRoss2024_5 (DR), CaiB_8 (DR), CharlottesWeb_6 (DR), CloverMinnie_8 (DR), Coco2012_6 (DR), Coldpizza_8 (DR), Evaa_7 (DR), FelixTres_8 (DR), Finch_5 (singleton), Fresco_6 (DR), JellyBelly_6 (DR), Ligma_6 (DR), LittleMunchkin_7 (DR), MakoManhole_8 (DR), Mariokart_6 (DR), MossRose_8 (DR), NHagos_6 (DR), Pine5_08 (singleton), Shatter_6 (DR), Sisko_5 (DR), Sour_9 (DR), TPA2_15 (singleton), TraderJ_8 (DR), Wooper_8 (DR), Yago84_5 (DR), Yeshua_8 (DR),

Start 199:
• Found in 405 of 941 ( 43.0% ) of genes in pham
• Manual Annotations of this start: 359 of 839
• Called 94.8% of time when present
• Phage (with cluster) where this start called: 32HC_71 (Z), ABU_6 (B1), Abinghost_8 (B3), AbsoluteMadLad_6 (B1), Adriana_6 (B1), Aelin_6 (B1), Akoma_8 (B3), Aleia_6 (B1), Allegro_9 (B2), AltPhacts_6 (B1), Altwerkus_6 (B1), Anderson_6 (B1), AngelCake_6 (B1), Antonia_6 (B1), Aonishiki_6 (B1), Apizium_6 (B1), Ares_9 (B2), Audrey_8 (B3), Azuria_6 (B1), Badfish_6 (B1), Baloo_8 (B3), Bananafish_9 (B2), Banjo_6 (B1), Basato_7 (B1), BatteryCK_6 (B1), Beaglebox_6 (B1), Ben11_7 (B3), Bernardo_8 (B3), Bishoperium_6 (B1), BlackStallion_6 (B1), BlacksBerry_6 (B1), Blocker23_9 (B2), BlueHusk_6 (B1), Bluephacebaby_6 (B1), Boehler_6 (B1), BoogieWoogie_6 (B1), Boyle_9 (B2), Brilliant_6 (B1), Brownie5_9 (B2), Buckeye_6 (B1), Burr_6 (B1), CRB2_9 (B9), Calamitous_9 (B2), CamL_6 (B1), CampRoach_6 (B1), Cannibal_6 (B1), Carthage_6 (B1), Casbah_7 (B3), Caspiboi_6 (B1), ChaChing_8 (B3), Chaelin_6 (B1), Chah_6 (B1), Chalmers_8 (B3), Chandler_8 (B3), CharlieGBrown_6 (B1), CheetO_6 (B1), Chentzyk_7 (B3), Cher_6 (B1), Childish_6 (B1), Chipette_7 (B1), Chorkpop_6 (B1), Chuni_6 (B1), Chunky_6 (B1), Chute_6 (B1), Cobra_6 (B1), Coffee_9 (B2), Colbert_6 (B1), Coletti_6 (B1), Compostia_8 (B3), Cornbread_6 (B1), Cornobble_6 (B1), Corofin_8 (B3), Cosmolli16_6 (B1), Craff_6 (B1), Crownjwl_7 (B1), DaddyDaniels_6 (B1), Daffy_6 (B1), Dati_6 (B1), Deenasa_8 (B3), DelRivs_6 (B1), Derpp_6 (B1), Devonte_8 (B3), Dice_6 (B1), Dingo_6 (B1), Dione_6 (B1), DirtJuice_6 (B1), Doddsville_6 (B1), DoesntMatter_6 (B1), DolOn_8 (B1), DonSanchon_6 (B1), DuchessDung_6 (B1), Duggie_6 (B1), Durga_6 (B1), Eaglehorse_9 (B2), ElvisPhasley_6 (B1), Emiris_6 (B1), EmpTee_6 (B1), Eremos_6 (B1), Eugenia_6 (B1), Fang_6 (B1), Faze9_9 (B2), Flake_6 (B1), FleetyMac_6 (B1), Fozzie_6 (B1), Frankicide_6 (B1), FrenchFry_9 (B2), Freya_6 (B1), FriarPreacher_6 (B1), Fringe_6 (B1), FugateOSU_6 (B1), Gadjet_9 (B3), Gareth_6 (B1), GeneCoco_6 (B1), Gervas_8 (B3), Giraffe_6 (B1), Glass_9 (B2), GlenHope_9 (B3), Glubnar_8 (B3), Godines_9 (B2), Gophee_6 (B1), Grand2040_6 (B1), GreenChile_7 (B1), Gwennie1_6 (B1), Gwilliam_6 (B1), Gyarad_006 (B1), HSavage_6 (B1), Haimas_6 (B1), Haleema_6 (B1), Halfpint_7 (B3), Hamish_6 (B1), Happabalu_6 (B1), Hartsy_6 (B1), HarveySr_8 (B3), Harvey_6 (B1), Hashim76_11 (B13), Heathcliff_8 (B3), Hedgerow_9 (B2), Hekos_6 (B1), Held_6 (B1), HenryJackson_6 (B1), Hertubise_6

(B1), Hetaeria_6 (B1), HighStump_6 (B1), Hocus_6 (B1), HogWash_6 (B1), Holeinone_9 (B2), Horchata_6 (B1), Inchworm_6 (B1), Inverness_6 (B1), Iridessa_6 (B1), Iridoclysis_6 (B1), IsaacEli_6 (B1), ItsyBitsy1_9 (B2), JDog_6 (B1), JakeO_6 (B1), JangoPhett_6 (B1), Jesabah_6 (B1), Jillium_6 (B1), Jiminy_6 (B1), Jiraiya_6 (B1), KLucky39_6 (B1), Kahve_6 (B1), Kailash_6 (B1), Kamiyu_8 (B3), Keitherie_6 (B1), Kheth_9 (B2), Kikipoo_6 (B1), Kimbrough_6 (B1), KingTut_6 (B1), KingVeVeVe_6 (B1), Kiwot_6 (B1), KlimbOn_6 (B1), Kloppinator_6 (B1), Kolhan_9 (B2), Kronus_7 (B3), Kwadwo_6 (B1), Kwksand96_6 (B1), Labeouficaum_6 (B1), Lars_9 (B2), Larson_7 (B1), LasagnaCat_6 (B1), Lasso_6 (B1), Laurie_9 (B2), LeeLot_6 (B1), Lego3393_6 (B1), Legolas_6 (B1), LeiMonet_6 (B1), LemonSlice_6 (B1), Lephleur_9 (B2), LestyG_8 (B3), LilSmirk_9 (B2), LittleMinkey_12 (B13), LizLemon_9 (B2), Longacauda_6 (B1), Lopsy_6 (B1), LostAndPhound_6 (B1), LuckyMarjie_6 (B1), Lulumae_6 (B1), Lulwa_6 (B1), Lumine_6 (B1), MRabcd_6 (B1), Mag7_6 (B1), Magic8_6 (B1), Mana_6 (B1), Manad_6 (B1), Marley1013_8 (B3), Marlia_8 (B3), Maru_6 (B1), MasterPo_9 (B2), Matalotodo_6 (B1), Mcshane_6 (B1), Mecca_6 (B1), Megamind20_7 (B1), Megatron_6 (B1), Melc17_6 (B1), MelsMeow_6 (B1), Mesh1_6 (B1), Mesmerelda_6 (B1), MichaelPhcott_6 (B1), Mikota_6 (B1), MiniBoss_6 (B1), MitKao_6 (B1), MmasiCarm_8 (B3), Morgushi_6 (B1), Mortcellus_7 (B3), Morty007_8 (B3), Morty_6 (B1), Mosaic_6 (B1), Mulan_6 (B1), Mulaychimus_8 (B3), Murdoc_6 (B1), Mutante_6 (B1), Nacho_006 (B1), Nathan_6 (B1), Nehme_6 (B1), Neos5_8 (B3), Newman_6 (B1), NiaNia_6 (B1), Nicole21_6 (B1), Nova1_6 (B1), Nozo_8 (B3), Numberten_6 (B1), Nyala_6 (B1), OSmaximus_6 (B1), Obutu_8 (B3), Olak_6 (B1), Oline_6 (B1), OliverWalter_6 (B1), Olivio_7 (B3), Omniscient_6 (B1), OneBrain_6 (B1), Oosterbaan_6 (B1), Opia_9 (B2), Orfeu_6 (B1), Orion_6 (B1), Orwigg_6 (B1), PG1_6 (B1), Pacifista_6 (B1), PallasAthena_6 (B1), PenguinLover67_10 (B9), Phamished_6 (B1), Phantasmagoria_9 (B2), Phareon_6 (B1), PhatCats2014_6 (B1), PhatLouie_6 (B1), Phayeta_8 (B3), PhenghisKhan_6 (B1), Pherdinand_6 (B1), Phergie_6 (B1), Phipps_6 (B1), Phleuron_6 (B1), PhrankReynolds_6 (B1), PhrodoBaggins_6 (B1), Phunky_6 (B1), Piglet_006 (B1), PinheadLarry_6 (B1), Pinkman_6 (B1), Pipsqueak_6 (B1), Placalicious_6 (B1), Plata_6 (B1), Plmatters_6 (B1), Podrick_6 (B1), Pops_6 (B1), Potter_6 (B1), PrinceCharming_9 (B2), ProfessorX_6 (B1), Puhltonio_6 (B1), QueenBeane_6 (B1), Quesadilla_9 (B9), Quisquiliae_6 (B1), RagingRooster_8 (B3), RedMaple_6 (B1), RedRaider89_7 (B1), Rem711_70 (Z), Rhinoforte_9 (B2), Ricotta_6 (B1), Riggan_6 (B1), Rita1961_8 (B3), Riverton_6 (B1), Robyn_6 (B1), Roliet_6 (B1), Roscoe_7 (B1), Roy17_6 (B1), SDcharge11_6 (B1), Sabella_9 (B2), Saguaro_9 (B7), Salazzle_6 (B1), Samaymay_6 (B1), SassyCat97_6 (B1), Schadenfreude_6 (B1), Scoot17C_6 (B1), Scrick_6 (B1), Selr12_6 (B1), Septica_6 (B1), Serendipity_6 (B1), Serpentine_006 (B1), ShadowBud_6 (B1), Sheila_6 (B1), Shenandoah_8 (B3), ShiVal_6 (B1), Sigman_6 (B1), SilverBell_6 (B1), Simielle_6 (B1), Skippy_6 (B1), Slatt_6 (B1), SlippinJimmy_8 (B3), Soile_6 (B1), Solosis_6 (B1), Sophia_6 (B1), Soto_6 (B1), Spartan300_6 (B1), Squid_6 (B1), Squiggle_6 (B1), Struggle_6 (B1), Suffolk_6 (B1), Surely_6 (B1), SwainyDoc_8 (B3), Swish_6 (B1), SynergyX_8 (B3), TallGrassMM_6 (B1), Telesworld_6 (B1), Thonko_3 (B8), Thora_6 (B1), ThreeOh3D2_6 (B1), Timmi_6 (B1), Tinciduntsolum_10 (B2), TinyTerror_8 (B3), TomBombadil_6 (B1), Tomlarah_6 (B1), Toni_6 (B1), TooFast2Furius_7 (B1), Tooj_6 (B1), Tres_9 (B2), Triad_6 (B1), True_6 (B1), Trypo_6 (B1), TyrionL_6 (B1), UAch1_6 (B1), UncleHowie_6 (B1), Usavi_6 (B1), Vaishali24_6 (B1), Valjean_6 (B1), Vaticameos_6 (B1), Vectra_6 (B1), Veritas_6 (B1), Vic9_00009 (B2), Virapocalypse_6 (B1), Virgeve_6 (B1), Vista_6 (B1), Vivaldi_6 (B1), Vortex_6 (B1), Wallhey_6 (B1), Waterdiva_6 (B1), Weher20_6 (B1), West99_9 (B2), Windsor_6 (B1), Xavier_6 (B1), Yinz_8 (B3), Yoshand_6 (B1), YouGoGlencoco_6 (B1), Zaider_7 (B1), Zelda_6 (B1), Zenteno07_11 (B13), Zonia_6 (B1),

Start 200:
• Found in 72 of 941 ( 7.7% ) of genes in pham
• Manual Annotations of this start: 35 of 839
• Called 79.2% of time when present
• Phage (with cluster) where this start called: 39HC_05 (B6), 40BC_05 (B6), Acadian_8 (B5), Ahwei_6 (B4), AlanGrant_8 (B4), Antihero_6 (B4), Apex_6 (B4), Austelle_7 (B4), Baee_8 (B5), BobbyK_7 (B4), BrownCNA_7 (B4), DigitDog_8 (B5), Donny_8 (B5), E3_gp158 (singleton), EastView9101_8 (B5), Epah_6 (B4), Fanaw_7 (B4), ForDig_5 (B6), Funsized_11 (B9), Hally898_6 (B4), Hangman_7 (B4), Heath_7 (B4), Hosp_03 (B6), Hydro_7 (B4), Imvubu_3 (B10), JAMaL_6 (B4), JaguarMi_7 (B4), Jolie1_05 (B6), JoyceMaria_7 (B4), KarasumaRum_8 (B5), KayaCho_5 (B6), Lambano_6 (B4), LilMcDreamy_8 (B12), Magpie_7 (B4), Minnow_5 (B6), Mudslide_7 (B4), Mysterious_8 (B5), Nangang_8 (B5), Nehemiah_7 (B5), Nigel_5 (B4), Phelemich_8 (B5), Prince_7 (B4), RawrgerThat_7 (B4), Reccee_8 (B5), Reprobate_8 (B5), Rich_8 (B5), Rita130_8 (B5), Serendipitous_8 (B5), Shenyu_8 (B5), SirJeffery_8 (B5), Stinger_5 (B4), StinkyVeggy_8 (B5), Suigeneris_8 (B5), Vincenzo_8 (B4), VioletZ_7 (B4), Waleliano_7 (B4), Xincheng_7 (B4),

Start 207:
• Found in 2 of 941 ( 0.2% ) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SPB78_53 (BA),

Start 211:
• Found in 83 of 941 ( 8.8% ) of genes in pham
• Manual Annotations of this start: 3 of 839
• Called 3.6% of time when present
• Phage (with cluster) where this start called: FremontTroll_6 (B1), JacAttac_6 (B1), Olive_6 (B1),

Start 213:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NovoPizza_79 (Q),

Start 216:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BRock_166 (BS),

Start 217:
• Found in 4 of 941 ( 0.4% ) of genes in pham
• Manual Annotations of this start: 4 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rabbs_53 (G1), Sneeze_52 (G1), Taheera_49 (G1), Terror_49 (G1),

Start 218:
• Found in 340 of 941 ( 36.1% ) of genes in pham

• Manual Annotations of this start: 20 of 839
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Antuna_38 (GA), Appa_37 (GA), Blett_37 (GA), Bush_38 (GA), Carrillo_39 (GA), CookieDog_37 (GA), Dropshot_37 (GA), Guzman_37 (GA), Jakelyne_39 (GA), Losacky_38 (GA), Mariel_38 (GA), MenE_38 (GA), NCRodriguez_38 (GA), PhillyJawn_38 (GA), Phingu_40 (GA), Phonegingi_37 (GA), Pickles13_36 (GA), Pipp_79 (CV), ScoobySnack_34 (GA), Sleepyhead_61 (singleton), Violeta_39 (GA), Warren_37 (GA), Whack_67 (singleton), Winchester007_39 (GA),

Start 220:
• Found in 8 of 941 ( 0.9% ) of genes in pham
• Manual Annotations of this start: 7 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_175 (BS), Beleetus_173 (BS), Fudan_172 (BS), Garnacho_165 (BS), GiJojo_163 (BS), LuckySocke_173 (BS), Park1214_177 (BS), Talos_175 (BS),

Start 221:
• Found in 2 of 941 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Eyre_59 (singleton),

Start 222:
• Found in 28 of 941 ( 3.0% ) of genes in pham
• Manual Annotations of this start: 17 of 839
• Called 60.7% of time when present
• Phage (with cluster) where this start called: Amochick_75 (Q), Amymech_74 (Q), BlingBling_70 (CV), BloominB_73 (Q), Clown_76 (DC2), DeepSoil15_74 (Q), Ein37_74 (Q), Evanesce_73 (Q), Gancho_73 (Q), HH92_73 (Q), JuJu_82 (CV), Kinbote_72 (Q), LilHazelnut_74 (Q), Lysidious_76 (CV), OBUpride_73 (Q), Ubuntu_74 (Q), Webster2_74 (Q),

Start 225:
• Found in 147 of 941 ( 15.6% ) of genes in pham
• Manual Annotations of this start: 73 of 839
• Called 53.1% of time when present
• Phage (with cluster) where this start called: Archis_77 (CV), Arri_64 (DC1), Azula_80 (CV), Bakery_68 (DC1), Barb_65 (DC1), Barco_72 (CV), Begonia_73 (CV), Blino_77 (CV), Blueberry_79 (CV), CaptainKirk2_75 (CV), CarolAnn_76 (CV), CheeseSpider_84 (CV), CherryCola_64 (DC1), ClamChowder_65 (DC1), CoveyB_64 (DC1), Danyall_64 (DC1), Delian_78 (CV), Egi03_63 (DC1), Evamon_62 (DC1), Fairfaxidum_77 (CV), Fenry_74 (CV), Fireball_66 (DC1), Frokostdame_79 (CV), Fugax_66 (DC1), Gambino_82 (CV), Gezellig_61 (DC1), Guacamole_73 (CV), Halo3_62 (DC1), Hitter_73 (CV), Jalammah_78 (CV), Jambalaya_62 (DC1), JasperJr_73 (CV), JohnPork_66 (DC1), KappaFarmDelta_74 (CV), KimmyK_64 (DC1), Malachai_73 (CV), Melba_74 (CV), Mellie_72 (CV), MintFen_75 (CV), MissRona_80 (CV), Murp_73 (CV), Mutzi_62 (DC1), Nubi_63 (DC1), Obliviate_74 (CV), PCoral7_74 (CV), Petra_80 (CV), Phlop_61 (DC1), PhrostedPhlake_81 (CV), PinkCoffee_65 (DC1), Portcullis_65 (DC1), PrincePatrick_76 (CV), PullumCavea_62 (DC1), RogerDodger_66 (DC1), Salvador_62 (DC1), Samba_75 (CV), Savbucketdawg_62 (DC1), Sendy_64 (DC1), Shinji_62 (DC1), Sixsevenium_66

(DC1), SmokingBunny_63 (DC1), Soilmate_79 (CV), TillyBobJoe_63 (DC1), Toast_74 (CV), Togo_62 (DC1), Twister6_65 (DC1), UmaThurman_76 (CV), Utz_66 (CV), Valary_64 (DC1), VanDeWege_65 (DC1), Walrus_73 (CV), William_77 (CV), Wisp_71 (CV), Wizard_61 (DC1), Wocket_74 (CV), YungMoney_63 (DC1), Zarbodnamra_79 (CV), ZiggyZoo_76 (CV), Zilla_72 (CV),

Start 227:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SharkTale_70 (DC1),

Start 229:
• Found in 11 of 941 ( 1.2% ) of genes in pham
• Manual Annotations of this start: 11 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_59 (BG), Asis_60 (BG), BabyGotBac_61 (BG), BayC_60 (BG), Maih_59 (BG), Mischief19_67 (BG), RainyPolka_58 (BG), Salete_60 (BG), TP1604_60 (BG), Xkcd426_61 (BG), YDN12_59 (BG),

Start 236:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lemuria_53 (G4),

Start 238:
• Found in 110 of 941 ( 11.7% ) of genes in pham
• Manual Annotations of this start: 85 of 839
• Called 82.7% of time when present
• Phage (with cluster) where this start called: AizenPogi_50 (G1), Angel_51 (G1), Annihilator_51 (G1), Antsirabe_51 (G5), Aroostook_51 (G1), AuntGwenStacy_84 (Y), Avocado_52 (G2), Avrafan_51 (G1), AzulaCat_51 (G1), BPs_51 (G1), BQuat_51 (G1), Barkley26_50 (G1), Bipper_88 (Y), BruceB_51 (G1), CLED96_51 (G1), Cambiare_51 (G2), Camri_51 (G1), CassieYates_51 (G1), Cedasite_51 (G1), Chance64_51 (G1), Cherrybomb426_51 (G1), Cloudyecho_52 (G3), Coleslaw_51 (G1), Cracklewink_89 (Y), Crespo_50 (G1), DMoney_50 (G1), DNAIII_0049 (G1), Darionha_51 (G1), DingDing_51 (G1), ECartman_49 (G1), Faiyaz_85 (Y), FlagStaff_49 (G2), ForeverHowLong_49 (G1), Frosty24_51 (G1), Gideon_52 (G1), GodSpeed_48 (G2), GoldenAsh_50 (G1), Gomashi_50 (G1), Grizzly_51 (G1), Halo_51 (G1), Hilltopfarm_84 (Y), Hope_51 (G1), Hotshotbaby7_51 (G1), Jane_51 (G1), Jeilious_51 (G), Jolene_51 (G1), Jolie2_51 (G4), Jonghyun_49 (G1), JorRay_51 (G1), Kareem_51 (G1), Kasen3_51 (G1), Liefie_50 (G1), LouisV14_53 (G1), MOOREtheMARYer_53 (G3), MZKinsey_51 (G1), Maliketh_51 (G1), Marmie_51 (G1), Mercurio_53 (G4), Mowgli_51 (G1), Neoh_52 (G), OctaviousRex_50 (G1), Olga_51 (G1), Pace1224_50 (G2), Paito_53 (G1), Peeb_50 (G1), Periodt_51 (G1), Phish_50 (G1), Phloodle_51 (G1), Phreak_51 (G1), PinkYoshi_51 (G1), Pinnie_50 (G3), Plagueis_51 (G1), Primanti_49 (G1), Rattrick_51 (G1), Remy19_51 (G1), Renaissance_51 (G1), Richarlison_51 (G1), Ruriko_51 (G1), Schiebel_51 (G1), ShaboiShabazz_50 (G1), Sizemore_51 (G1), Stargaze_52 (G5), Sweets_50 (G1), Terralys_48 (G1), TinaBug_51 (G1), TomBrady_51 (G1), Typha_83 (Y), Wendigo_51 (G1), YangYin_52 (G5), ZoMa_49 (G1), Zombie_50 (G1),

Start 239:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA6_97 (DQ),

Start 241:
• Found in 3 of 941 ( 0.3% ) of genes in pham
• Manual Annotations of this start: 2 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cantare_75 (singleton), DalanDe_97 (DQ), Thales_94 (DQ),

Start 243:
• Found in 2 of 941 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JrWilcox_109 (GL), ValentiniPuff_108 (GL),

Start 245:
• Found in 33 of 941 ( 3.5% ) of genes in pham
• Manual Annotations of this start: 14 of 839
• Called 69.7% of time when present
• Phage (with cluster) where this start called: Aloki_114 (DQ), Amoonguss_113 (DQ), Argena_114 (DQ), Beted_111 (DQ), Chidiebere_115 (DQ), ChisanaKitsune_114 (DQ), EmoNemo_108 (DQ), Farrylious_115 (DQ), FlyingTortilla_112 (DQ), FruityLoops_115 (DQ), Gray_112 (DQ), Hanem_114 (DQ), Kabocha_116 (DQ), Lenoshki_111 (DQ), Mikronejon_116 (DQ), MintFritos_112 (DQ), Oogie_115 (DQ), Pakusa_109 (DQ), ScarletRaider_113 (DQ), Schomber_113 (DQ), Toneprano_112 (DQ), Twin_110 (DQ), UBSmoodge_117 (DQ),

Start 248:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 839
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunfish_68 (singleton),

Start 256:
• Found in 1 of 941 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiAsp2_46 (singleton),

**Summary by clusters:**

There are 41 clusters represented in this pham: singleton, BG, BA, B11, B12, B13, B10, BS, DR, DQ, G5, Z, G3, G2, G1, G, AI, AH, EG, Q, G4, GA, Y, GL, DC2, CV, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AH:
•Start number 122 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AI:
•Start number 190 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 199 was manually annotated 278 times for cluster B1.
•Start number 211 was manually annotated 3 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 200 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 188 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 200 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 188 was manually annotated 1 time for cluster B13.
•Start number 199 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 133 was manually annotated 3 times for cluster B2.
•Start number 146 was manually annotated 1 time for cluster B2.
•Start number 199 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 157 was manually annotated 4 times for cluster B3.
•Start number 159 was manually annotated 7 times for cluster B3.
•Start number 199 was manually annotated 41 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 174 was manually annotated 4 times for cluster B4.
•Start number 195 was manually annotated 5 times for cluster B4.
•Start number 200 was manually annotated 19 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 200 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 200 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 199 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 199 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 169 was manually annotated 1 time for cluster B9.
•Start number 195 was manually annotated 1 time for cluster B9.
•Start number 199 was manually annotated 3 times for cluster B9.
•Start number 200 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BG:
•Start number 229 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster BS:
•Start number 216 was manually annotated 1 time for cluster BS.
•Start number 220 was manually annotated 7 times for cluster BS.

Info for manual annotations of cluster CV:
•Start number 218 was manually annotated 1 time for cluster CV.
•Start number 222 was manually annotated 3 times for cluster CV.
•Start number 225 was manually annotated 41 times for cluster CV.

Info for manual annotations of cluster DC1:
•Start number 225 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 222 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:
•Start number 128 was manually annotated 1 time for cluster DE1.
•Start number 157 was manually annotated 1 time for cluster DE1.
•Start number 172 was manually annotated 3 times for cluster DE1.
•Start number 192 was manually annotated 44 times for cluster DE1.
•Start number 194 was manually annotated 4 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 191 was manually annotated 6 times for cluster DE2.
•Start number 194 was manually annotated 3 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 194 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 192 was manually annotated 3 times for cluster DE4.
•Start number 194 was manually annotated 10 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 189 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DQ:
•Start number 241 was manually annotated 1 time for cluster DQ.
•Start number 245 was manually annotated 14 times for cluster DQ.

Info for manual annotations of cluster DR:
•Start number 196 was manually annotated 23 times for cluster DR.

Info for manual annotations of cluster EG:
•Start number 186 was manually annotated 6 times for cluster EG.
•Start number 194 was manually annotated 49 times for cluster EG.

Info for manual annotations of cluster G:

•Start number 238 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 217 was manually annotated 4 times for cluster G1.
•Start number 238 was manually annotated 66 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 238 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 238 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 236 was manually annotated 1 time for cluster G4.
•Start number 238 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 238 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster GA:
•Start number 218 was manually annotated 17 times for cluster GA.

Info for manual annotations of cluster GL:
•Start number 243 was manually annotated 1 time for cluster GL.

Info for manual annotations of cluster Q:
•Start number 178 was manually annotated 10 times for cluster Q.
•Start number 213 was manually annotated 1 time for cluster Q.
•Start number 222 was manually annotated 13 times for cluster Q.

Info for manual annotations of cluster Y:
•Start number 238 was manually annotated 6 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 199 was manually annotated 1 time for cluster Z.

### *Gene Information:*

Gene: 32HC_71 Start: 43501, Stop: 44121, Start Num: 199
Candidate Starts for 32HC_71:
(Start: 199 @43501 has 359 MA's), (204, 43510), (205, 43513), (224, 43552), (255, 43591), (304, 43657), (310, 43675), (335, 43726), (400, 43900), (432, 43969), (438, 43978),

Gene: 39HC_05 Start: 4719, Stop: 4141, Start Num: 200
Candidate Starts for 39HC_05:
(Start: 200 @4719 has 35 MA's), (272, 4596), (280, 4587), (297, 4545), (315, 4503), (333, 4470), (349, 4428), (358, 4404), (372, 4377), (376, 4365), (377, 4362), (400, 4290), (423, 4263), (427, 4236), (432, 4221), (433, 4218), (455, 4185), (470, 4161),

Gene: 40BC_05 Start: 4719, Stop: 4141, Start Num: 200
Candidate Starts for 40BC_05:

(Start: 200 @4719 has 35 MA's), (272, 4596), (280, 4587), (297, 4545), (315, 4503), (333, 4470), (349, 4428), (358, 4404), (372, 4377), (376, 4365), (377, 4362), (400, 4290), (423, 4263), (427, 4236), (432, 4221), (433, 4218), (455, 4185), (470, 4161),

Gene: ABU_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for ABU_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: APunk_66 Start: 49707, Stop: 50354, Start Num: 194
Candidate Starts for APunk_66:
(164, 49656), (Start: 194 @49707 has 73 MA's), (Start: 238 @49785 has 85 MA's), (261, 49827), (265, 49833), (303, 49899), (350, 50001), (354, 50016), (380, 50076), (383, 50085), (401, 50151), (405, 50160), (441, 50238), (453, 50265), (493, 50343),

Gene: Abblin_66 Start: 50003, Stop: 50650, Start Num: 194
Candidate Starts for Abblin_66:
(110, 49841), (112, 49847), (118, 49865), (164, 49952), (Start: 194 @50003 has 73 MA's), (Start: 238 @50081 has 85 MA's), (261, 50123), (265, 50129), (303, 50195), (313, 50213), (350, 50297), (354, 50312), (380, 50372), (383, 50381), (401, 50447), (405, 50456), (441, 50534), (453, 50561), (493, 50639),

Gene: Abinghost_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Abinghost_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: AbsoluteMadLad_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for AbsoluteMadLad_6:
(Start: 199 @3914 has 359 MA's), (Start: 211 @3884 has 3 MA's), (Start: 218 @3869 has 20 MA's), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: Abt2graduatex2_59 Start: 48650, Stop: 49240, Start Num: 229
Candidate Starts for Abt2graduatex2_59:
(Start: 229 @48650 has 11 MA's), (272, 48701), (284, 48725), (292, 48752), (303, 48776), (316, 48809), (331, 48836), (332, 48839), (342, 48869), (358, 48908), (367, 48923), (376, 48950), (377, 48953), (403, 49043), (419, 49064), (432, 49112), (450, 49142), (467, 49178),

Gene: Acadian_8 Start: 6215, Stop: 5649, Start Num: 200
Candidate Starts for Acadian_8:
(Start: 200 @6215 has 35 MA's), (230, 6158), (297, 6056), (333, 5978), (349, 5936), (358, 5912), (372, 5885), (376, 5873), (400, 5798), (423, 5771), (451, 5699), (455, 5693),

Gene: Adriana_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Adriana_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Aelin_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Aelin_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Affeca_69 Start: 51998, Stop: 52636, Start Num: 192
Candidate Starts for Affeca_69:
(Start: 192 @51998 has 47 MA's), (287, 52148), (334, 52238), (350, 52277), (354, 52292), (375, 52340), (377, 52346), (394, 52406), (405, 52439), (438, 52520), (462, 52577),

Gene: Ahwei_6 Start: 5143, Stop: 4583, Start Num: 200
Candidate Starts for Ahwei_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Ailee_66 Start: 51033, Stop: 51671, Start Num: 192
Candidate Starts for Ailee_66:
(85, 50802), (90, 50826), (Start: 128 @50931 has 1 MA's), (Start: 157 @50979 has 5 MA's), (Start: 172 @51000 has 3 MA's), (Start: 192 @51033 has 47 MA's), (287, 51183), (334, 51273), (350, 51312), (354, 51327), (375, 51375), (377, 51381), (405, 51474), (438, 51555), (462, 51612),

Gene: AizenPogi_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for AizenPogi_50:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Akoma_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Akoma_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: AksarBAT_6 Start: 4853, Stop: 4311, Start Num: 196
Candidate Starts for AksarBAT_6:
(61, 5168), (Start: 196 @4853 has 24 MA's), (224, 4802), (281, 4754), (333, 4643), (369, 4559), (372, 4550), (374, 4544), (383, 4520), (397, 4475), (402, 4460), (432, 4391),

Gene: AlanGrant_8 Start: 6947, Stop: 6363, Start Num: 200
Candidate Starts for AlanGrant_8:
(Start: 200 @6947 has 35 MA's), (258, 6842), (297, 6773), (333, 6695), (349, 6653), (353, 6641), (358, 6629), (372, 6602), (377, 6587), (397, 6527), (414, 6494), (429, 6452), (444, 6428),

Gene: Aleia_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Aleia_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Ali17_61 Start: 48704, Stop: 49351, Start Num: 191
Candidate Starts for Ali17_61:
(Start: 191 @48704 has 6 MA's), (Start: 238 @48782 has 85 MA's), (265, 48830), (275, 48845), (297, 48902), (303, 48914), (309, 48932), (331, 48974), (350, 49025), (376, 49091), (377, 49094), (399, 49160), (401, 49166), (432, 49238), (453, 49280), (462, 49301),

Gene: Allegro_9 Start: 6474, Stop: 7049, Start Num: 199

Candidate Starts for Allegro_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Aloki_114 Start: 78726, Stop: 79301, Start Num: 245
Candidate Starts for Aloki_114:
(Start: 245 @78726 has 14 MA's), (251, 78735), (259, 78756), (284, 78795), (310, 78873), (320, 78891), (331, 78921), (336, 78939), (360, 78999), (388, 79074), (408, 79137), (428, 79197), (440, 79221), (443, 79230),

Gene: Alone3_175 Start: 90935, Stop: 91423, Start Num: 220
Candidate Starts for Alone3_175:
(Start: 220 @90935 has 7 MA's), (298, 91070), (307, 91091), (309, 91097), (333, 91151), (349, 91193), (359, 91220), (397, 91319), (432, 91400),

Gene: AltPhacts_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for AltPhacts_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: Altheas_57 Start: 42348, Stop: 41770, Start Num: 194
Candidate Starts for Altheas_57:
(Start: 194 @42348 has 73 MA's), (276, 42237), (367, 42027), (383, 41982), (385, 41976), (397, 41937), (402, 41922), (428, 41868), (470, 41793),

Gene: Altwerkus_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Altwerkus_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: AluminumJesus_52 Start: 41548, Stop: 40976, Start Num: 194
Candidate Starts for AluminumJesus_52:
(Start: 194 @41548 has 73 MA's), (228, 41482), (319, 41344), (324, 41335), (331, 41317), (374, 41209), (379, 41194), (383, 41185), (397, 41140), (400, 41128), (439, 41053), (455, 41023), (470, 40999),

Gene: Amochick_75 Start: 48792, Stop: 49403, Start Num: 222
Candidate Starts for Amochick_75:
(70, 48474), (Start: 178 @48711 has 10 MA's), (181, 48720), (206, 48762), (Start: 222 @48792 has 17 MA's), (266, 48873), (303, 48957), (311, 48981), (316, 48990), (332, 49020), (344, 49053), (372, 49119), (385, 49155), (396, 49209), (403, 49233), (405, 49236), (421, 49251), (427, 49278), (432, 49293), (438, 49302), (449, 49320), (455, 49335),

Gene: Amoonguss_113 Start: 79363, Stop: 79938, Start Num: 245
Candidate Starts for Amoonguss_113:
(Start: 245 @79363 has 14 MA's), (251, 79372), (259, 79393), (284, 79432), (310, 79510), (320, 79528), (331, 79558), (336, 79576), (360, 79636), (388, 79711), (408, 79774), (428, 79834), (440, 79858), (443, 79867),

Gene: Amymech_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Amymech_74:

(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: AnClar_5 Start: 5209, Stop: 4682, Start Num: 196
Candidate Starts for AnClar_5:
(Start: 196 @5209 has 24 MA's), (267, 5134), (363, 4939), (365, 4936), (374, 4915), (383, 4891), (385, 4885), (397, 4846), (402, 4831), (414, 4813), (428, 4777), (432, 4765), (474, 4702),

Gene: AnarQue_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for AnarQue_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (480, 5832),

Gene: Anderson_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Anderson_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Angel_51 Start: 36899, Stop: 37489, Start Num: 238
Candidate Starts for Angel_51:
(15, 36227), (16, 36230), (69, 36521), (109, 36650), (139, 36722), (208, 36845), (219, 36866), (Start: 225 @36872 has 73 MA's), (Start: 238 @36899 has 85 MA's), (265, 36947), (306, 37043), (317, 37070), (330, 37091), (332, 37097), (339, 37121), (376, 37208), (387, 37238), (394, 37271), (397, 37280), (410, 37319), (426, 37358), (432, 37385), (469, 37454),

Gene: AngelCake_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for AngelCake_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Angelicage_67 Start: 51950, Stop: 52588, Start Num: 192
Candidate Starts for Angelicage_67:
(Start: 192 @51950 has 47 MA's), (287, 52100), (334, 52190), (350, 52229), (354, 52244), (375, 52292), (377, 52298), (394, 52358), (405, 52391), (438, 52472), (462, 52529),

Gene: Annihilator_51 Start: 36905, Stop: 37495, Start Num: 238
Candidate Starts for Annihilator_51:
(15, 36233), (16, 36236), (69, 36527), (109, 36656), (139, 36728), (208, 36851), (219, 36872), (Start: 225 @36878 has 73 MA's), (Start: 238 @36905 has 85 MA's), (265, 36953), (306, 37049), (317, 37076), (330, 37097), (332, 37103), (339, 37127), (376, 37214), (387, 37244), (394, 37277), (397, 37286), (410, 37325), (426, 37364), (432, 37391), (469, 37460),

Gene: Antihero_6 Start: 5143, Stop: 4583, Start Num: 200
Candidate Starts for Antihero_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Antonia_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Antonia_6:

(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Antsirabe_51 Start: 38179, Stop: 38778, Start Num: 238
Candidate Starts for Antsirabe_51:
(198, 38131), (210, 38140), (Start: 238 @38179 has 85 MA's), (253, 38206), (265, 38227), (309, 38332), (317, 38350), (331, 38374), (332, 38377), (387, 38518), (394, 38551), (395, 38554), (397, 38560), (426, 38635), (432, 38662), (487, 38764),

Gene: Antuna_38 Start: 22691, Stop: 23254, Start Num: 218
Candidate Starts for Antuna_38:
(Start: 218 @22691 has 20 MA's), (228, 22703), (246, 22721), (288, 22784), (300, 22826), (315, 22862), (316, 22865), (336, 22916), (343, 22931), (348, 22943), (360, 22976), (363, 22982), (395, 23072), (397, 23078), (400, 23090), (428, 23144),

Gene: Aonishiki_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Aonishiki_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Apex_6 Start: 5787, Stop: 5203, Start Num: 200
Candidate Starts for Apex_6:
(166, 5847), (Start: 174 @5838 has 4 MA's), (Start: 195 @5796 has 6 MA's), (Start: 200 @5787 has 35 MA's), (258, 5682), (262, 5679), (280, 5655), (297, 5613), (303, 5601), (331, 5538), (349, 5490), (377, 5424), (397, 5364), (423, 5325), (427, 5298), (429, 5292), (432, 5283), (433, 5280), (455, 5247), (468, 5226),

Gene: Apizium_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Apizium_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Appa_37 Start: 22568, Stop: 23131, Start Num: 218
Candidate Starts for Appa_37:
(Start: 218 @22568 has 20 MA's), (228, 22580), (246, 22598), (288, 22661), (300, 22703), (315, 22739), (316, 22742), (336, 22793), (343, 22808), (348, 22820), (360, 22853), (363, 22859), (395, 22949), (397, 22955), (400, 22967), (428, 23021),

Gene: Arbiter_9 Start: 6447, Stop: 7139, Start Num: 133
Candidate Starts for Arbiter_9:
(123, 6429), (Start: 133 @6447 has 3 MA's), (144, 6468), (Start: 146 @6471 has 1 MA's), (Start: 199 @6564 has 359 MA's), (228, 6621), (244, 6633), (254, 6651), (303, 6744), (306, 6753), (333, 6807), (346, 6843), (347, 6846), (349, 6849), (366, 6885), (379, 6921), (383, 6930), (397, 6975), (398, 6978), (400, 6987), (429, 7047), (431, 7053), (432, 7056), (455, 7092), (470, 7116), (477, 7125),

Gene: Archis_77 Start: 45860, Stop: 46450, Start Num: 225
Candidate Starts for Archis_77:
(Start: 225 @45860 has 73 MA's), (335, 46082), (339, 46094), (342, 46100), (362, 46145), (371, 46163), (376, 46181), (377, 46184), (389, 46223), (390, 46226), (432, 46352),

Gene: Ares_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Ares_9:

(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Argena_114 Start: 79779, Stop: 80354, Start Num: 245
Candidate Starts for Argena_114:
(Start: 245 @79779 has 14 MA's), (251, 79788), (259, 79809), (284, 79848), (310, 79926), (320, 79944), (331, 79974), (336, 79992), (360, 80052), (388, 80127), (408, 80190), (428, 80250), (440, 80274), (443, 80283),

Gene: Aroostook_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Aroostook_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Arri_64 Start: 47218, Stop: 47817, Start Num: 225
Candidate Starts for Arri_64:
(Start: 225 @47218 has 73 MA's), (377, 47533), (383, 47548), (394, 47593), (422, 47650), (428, 47683), (431, 47692), (449, 47722), (453, 47734), (473, 47770), (488, 47800),

Gene: Ashertheman_67 Start: 50107, Stop: 50742, Start Num: 194
Candidate Starts for Ashertheman_67:
(148, 50029), (Start: 194 @50107 has 73 MA's), (334, 50344), (350, 50383), (354, 50398), (370, 50428), (375, 50446), (445, 50644),

Gene: Asis_60 Start: 48756, Stop: 49346, Start Num: 229
Candidate Starts for Asis_60:
(161, 48633), (Start: 229 @48756 has 11 MA's), (272, 48807), (284, 48831), (292, 48858), (303, 48882), (316, 48915), (331, 48942), (332, 48945), (342, 48975), (358, 49014), (367, 49029), (376, 49056), (377, 49059), (403, 49149), (416, 49164), (419, 49170), (432, 49218), (450, 49248), (467, 49284),

Gene: Athena_9 Start: 6248, Stop: 5625, Start Num: 159
Candidate Starts for Athena_9:
(Start: 159 @6248 has 7 MA's), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Audrey_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Audrey_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: AuntGwenStacy_84 Start: 54897, Stop: 55466, Start Num: 238
Candidate Starts for AuntGwenStacy_84:
(173, 54768), (175, 54771), (193, 54807), (Start: 238 @54897 has 85 MA's), (277, 54963), (310, 55053), (311, 55056), (331, 55086), (332, 55089), (354, 55146), (367, 55170), (372, 55185), (375, 55194), (376, 55197), (377, 55200), (381, 55212), (397, 55260), (413, 55281), (436, 55347), (449, 55368), (462, 55401), (477, 55422), (484, 55434),

Gene: Austelle_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Austelle_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Avocado_52 Start: 39158, Stop: 39742, Start Num: 238
Candidate Starts for Avocado_52:
(58, 38822), (132, 39035), (136, 39038), (Start: 238 @39158 has 85 MA's), (277, 39224), (319, 39332), (331, 39353), (339, 39380), (358, 39422), (375, 39461), (387, 39494), (394, 39527), (407, 39563), (426, 39611), (432, 39638), (466, 39704),

Gene: Avrafan_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Avrafan_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Axumite_6 Start: 4904, Stop: 4362, Start Num: 196
Candidate Starts for Axumite_6:
(31, 5378), (61, 5207), (Start: 196 @4904 has 24 MA's), (226, 4850), (279, 4811), (331, 4697), (385, 4565), (397, 4526), (400, 4514), (402, 4511), (422, 4487), (427, 4460), (456, 4406), (474, 4382),

Gene: Azula_80 Start: 50046, Stop: 50630, Start Num: 225
Candidate Starts for Azula_80:
(1, 48945), (2, 48966), (7, 49161), (12, 49203), (14, 49221), (21, 49341), (38, 49608), (54, 49704), (Start: 225 @50046 has 73 MA's), (270, 50127), (273, 50130), (304, 50199), (331, 50250), (332, 50253), (333, 50256), (350, 50295), (357, 50316), (389, 50403), (397, 50442), (400, 50454), (411, 50463), (432, 50523), (449, 50550),

Gene: AzulaCat_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for AzulaCat_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Azuria_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Azuria_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: BPs_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for BPs_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: BQuat_51 Start: 37351, Stop: 37941, Start Num: 238
Candidate Starts for BQuat_51:

(15, 36679), (16, 36682), (69, 36973), (109, 37102), (139, 37174), (208, 37297), (219, 37318), (Start: 225 @37324 has 73 MA's), (Start: 238 @37351 has 85 MA's), (265, 37399), (306, 37495), (317, 37522), (330, 37543), (332, 37549), (339, 37573), (376, 37660), (387, 37690), (394, 37723), (397, 37732), (410, 37771), (426, 37810), (432, 37837), (469, 37906),

Gene: BRock_166 Start: 86321, Stop: 86812, Start Num: 216
Candidate Starts for BRock_166:
(Start: 216 @86321 has 1 MA's), (251, 86360), (269, 86399), (307, 86483), (309, 86489), (320, 86510), (331, 86537), (333, 86543), (376, 86648), (383, 86666), (415, 86741), (426, 86762), (429, 86780),

Gene: BabyDotz_53 Start: 42140, Stop: 41568, Start Num: 194
Candidate Starts for BabyDotz_53:
(141, 42227), (Start: 194 @42140 has 73 MA's), (228, 42074), (319, 41936), (324, 41927), (331, 41909), (374, 41801), (379, 41786), (383, 41777), (397, 41732), (439, 41645), (455, 41615), (470, 41591),

Gene: BabyGotBac_61 Start: 48762, Stop: 49352, Start Num: 229
Candidate Starts for BabyGotBac_61:
(Start: 229 @48762 has 11 MA's), (272, 48813), (284, 48837), (292, 48864), (303, 48888), (316, 48921), (331, 48948), (332, 48951), (342, 48981), (358, 49020), (367, 49035), (376, 49062), (377, 49065), (403, 49155), (416, 49170), (419, 49176), (432, 49224), (450, 49254), (467, 49290),

Gene: BaconCheese_57 Start: 43227, Stop: 42655, Start Num: 194
Candidate Starts for BaconCheese_57:
(Start: 194 @43227 has 73 MA's), (228, 43161), (319, 43023), (324, 43014), (331, 42996), (374, 42888), (379, 42873), (383, 42864), (397, 42819), (400, 42807), (439, 42732), (455, 42702), (470, 42678),

Gene: Baddon_65 Start: 50788, Stop: 51423, Start Num: 192
Candidate Starts for Baddon_65:
(Start: 192 @50788 has 47 MA's), (334, 51025), (350, 51064), (354, 51079), (370, 51109), (372, 51118), (375, 51127), (428, 51286), (445, 51325),

Gene: Badfish_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Badfish_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Baee_8 Start: 6221, Stop: 5655, Start Num: 200
Candidate Starts for Baee_8:
(Start: 200 @6221 has 35 MA's), (230, 6164), (297, 6062), (331, 5990), (333, 5984), (335, 5975), (349, 5942), (358, 5918), (376, 5879), (397, 5816), (400, 5804), (423, 5777), (451, 5705), (455, 5699),

Gene: Bakery_68 Start: 49465, Stop: 50097, Start Num: 225
Candidate Starts for Bakery_68:
(Start: 225 @49465 has 73 MA's), (372, 49798), (383, 49828), (393, 49867), (400, 49894), (428, 49963), (429, 49966), (431, 49972), (449, 50002), (453, 50014), (473, 50050), (488, 50080),

Gene: Baloo_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Baloo_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Bananafish_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Bananafish_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (136, 6360), (142, 6372), (144, 6378), (Start: 199 @6474 has 359 MA's), (Start: 245 @6546 has 14 MA's), (260, 6573), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Banjo_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Banjo_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Barb_65 Start: 47095, Stop: 47694, Start Num: 225
Candidate Starts for Barb_65:
(Start: 225 @47095 has 73 MA's), (377, 47410), (383, 47425), (394, 47470), (422, 47527), (428, 47560), (431, 47569), (449, 47599), (453, 47611), (488, 47677),

Gene: Barco_72 Start: 45671, Stop: 46261, Start Num: 225
Candidate Starts for Barco_72:
(83, 45398), (87, 45419), (Start: 225 @45671 has 73 MA's), (331, 45878), (335, 45893), (339, 45905), (342, 45911), (362, 45956), (377, 45995), (389, 46034), (390, 46037), (432, 46163), (471, 46235),

Gene: Barkley26_50 Start: 36819, Stop: 37409, Start Num: 238
Candidate Starts for Barkley26_50:
(22, 36237), (69, 36438), (139, 36639), (208, 36765), (219, 36786), (Start: 225 @36792 has 73 MA's), (Start: 238 @36819 has 85 MA's), (306, 36963), (330, 37011), (332, 37017), (339, 37041), (376, 37128), (387, 37158), (394, 37191), (397, 37200), (410, 37239), (426, 37278), (432, 37305), (469, 37374),

Gene: Barsten_69 Start: 51643, Stop: 52386, Start Num: 128
Candidate Starts for Barsten_69:
(43, 51355), (49, 51391), (Start: 128 @51643 has 1 MA's), (Start: 157 @51691 has 5 MA's), (Start: 172 @51712 has 3 MA's), (Start: 192 @51748 has 47 MA's), (240, 51823), (332, 51979), (334, 51988), (350, 52027), (354, 52042), (375, 52090), (405, 52189), (438, 52270), (462, 52327),

Gene: Basato_7 Start: 4152, Stop: 3598, Start Num: 199
Candidate Starts for Basato_7:
(Start: 199 @4152 has 359 MA's), (Start: 211 @4122 has 3 MA's), (Start: 218 @4107 has 20 MA's), (226, 4098), (297, 4002), (333, 3927), (346, 3891), (349, 3885), (398, 3756), (400, 3747), (457, 3636),

Gene: BatteryCK_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for BatteryCK_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Baumdotcom_65 Start: 50065, Stop: 50700, Start Num: 192
Candidate Starts for Baumdotcom_65:
(Start: 192 @50065 has 47 MA's), (334, 50302), (350, 50341), (354, 50356), (370, 50386), (372, 50395), (375, 50404), (405, 50503), (445, 50602),

Gene: BayC_60 Start: 48760, Stop: 49350, Start Num: 229
Candidate Starts for BayC_60:

(161, 48637), (Start: 229 @48760 has 11 MA's), (265, 48799), (272, 48811), (284, 48835), (292, 48862), (303, 48886), (316, 48919), (331, 48946), (332, 48949), (342, 48979), (358, 49018), (367, 49033), (376, 49060), (377, 49063), (403, 49153), (416, 49168), (419, 49174), (432, 49222), (450, 49252), (467, 49288),

Gene: Beaglebox_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Beaglebox_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Begonia_73 Start: 48471, Stop: 49061, Start Num: 225
Candidate Starts for Begonia_73:
(83, 48171), (87, 48192), (Start: 225 @48471 has 73 MA's), (335, 48693), (339, 48705), (342, 48711), (362, 48756), (371, 48774), (376, 48792), (377, 48795), (389, 48834), (390, 48837), (432, 48963),

Gene: Beleetus_173 Start: 89599, Stop: 90087, Start Num: 220
Candidate Starts for Beleetus_173:
(Start: 220 @89599 has 7 MA's), (298, 89734), (307, 89755), (309, 89761), (333, 89815), (349, 89857), (359, 89884), (376, 89920), (383, 89938), (397, 89983), (398, 89986), (432, 90064),

Gene: Belphegor_63 Start: 49802, Stop: 50470, Start Num: 194
Candidate Starts for Belphegor_63:
(95, 49589), (107, 49628), (125, 49685), (130, 49691), (131, 49694), (Start: 133 @49697 has 3 MA's), (143, 49715), (Start: 159 @49742 has 7 MA's), (Start: 194 @49802 has 73 MA's), (265, 49928), (275, 49943), (297, 50000), (303, 50012), (331, 50072), (350, 50123), (376, 50189), (377, 50192), (383, 50207), (399, 50258), (401, 50264), (432, 50336), (453, 50378),

Gene: Ben11_7 Start: 5262, Stop: 4711, Start Num: 199
Candidate Starts for Ben11_7:
(Start: 157 @5337 has 5 MA's), (167, 5319), (Start: 199 @5262 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Bernardo_8 Start: 5441, Stop: 4863, Start Num: 199
Candidate Starts for Bernardo_8:
(Start: 159 @5513 has 7 MA's), (Start: 199 @5441 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Beted_111 Start: 80639, Stop: 81214, Start Num: 245
Candidate Starts for Beted_111:
(Start: 245 @80639 has 14 MA's), (251, 80648), (284, 80708), (310, 80786), (320, 80804), (331, 80834), (336, 80852), (360, 80912), (388, 80987), (408, 81050), (428, 81110), (440, 81134), (443, 81143),

Gene: Bibwit_67 Start: 50594, Stop: 51265, Start Num: 172
Candidate Starts for Bibwit_67:
(85, 50396), (90, 50420), (Start: 128 @50525 has 1 MA's), (Start: 157 @50573 has 5 MA's), (Start: 172 @50594 has 3 MA's), (Start: 192 @50627 has 47 MA's), (287, 50777), (334, 50867), (350, 50906), (354, 50921), (375, 50969), (377, 50975), (405, 51068), (438, 51149), (462, 51206),

Gene: BigHunkinEater_67 Start: 49092, Stop: 49739, Start Num: 192
Candidate Starts for BigHunkinEater_67:

(Start: 192 @49092 has 47 MA's), (Start: 238 @49170 has 85 MA's), (261, 49212), (265, 49218), (303, 49284), (313, 49302), (350, 49386), (354, 49401), (380, 49461), (383, 49470), (401, 49536), (405, 49545), (441, 49623), (453, 49650), (493, 49728),

Gene: BiggityBass_5 Start: 4713, Stop: 4186, Start Num: 196
Candidate Starts for BiggityBass_5:
(Start: 196 @4713 has 24 MA's), (Start: 218 @4668 has 20 MA's), (282, 4629), (302, 4587), (358, 4452), (374, 4422), (383, 4398), (385, 4392), (402, 4338), (422, 4314), (427, 4287), (432, 4272),

Gene: Bipper_88 Start: 56814, Stop: 57383, Start Num: 238
Candidate Starts for Bipper_88:
(59, 56400), (60, 56403), (71, 56436), (72, 56439), (93, 56514), (103, 56547), (112, 56571), (125, 56610), (173, 56688), (175, 56691), (Start: 238 @56814 has 85 MA's), (310, 56970), (311, 56973), (318, 56982), (331, 57003), (332, 57006), (354, 57063), (367, 57087), (375, 57111), (376, 57114), (377, 57117), (381, 57129), (397, 57177), (413, 57198), (436, 57264), (441, 57273), (462, 57318), (464, 57321), (484, 57351),

Gene: BirdInFrench_61 Start: 42242, Stop: 41679, Start Num: 194
Candidate Starts for BirdInFrench_61:
(144, 42308), (149, 42299), (Start: 194 @42242 has 73 MA's), (331, 42020), (397, 41846), (398, 41843), (400, 41834), (432, 41765), (470, 41702),

Gene: BirdsNest_10 Start: 4668, Stop: 4063, Start Num: 188
Candidate Starts for BirdsNest_10:
(Start: 188 @4668 has 2 MA's), (Start: 194 @4656 has 73 MA's), (Start: 199 @4647 has 359 MA's), (260, 4554), (269, 4539), (280, 4524), (297, 4479), (333, 4401), (349, 4359), (351, 4356), (397, 4224), (398, 4221), (455, 4107), (459, 4098), (470, 4083),

Gene: Bishoperium_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Bishoperium_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Bizzy_67 Start: 49985, Stop: 50620, Start Num: 192
Candidate Starts for Bizzy_67:
(Start: 192 @49985 has 47 MA's), (334, 50222), (350, 50261), (354, 50276), (370, 50306), (372, 50315), (375, 50324), (394, 50390), (405, 50423), (428, 50483), (445, 50522),

Gene: Blab_52 Start: 41398, Stop: 40823, Start Num: 194
Candidate Starts for Blab_52:
(Start: 194 @41398 has 73 MA's), (228, 41332), (319, 41191), (324, 41182), (331, 41164), (374, 41056), (379, 41041), (383, 41032), (397, 40987), (400, 40975), (439, 40900), (455, 40870), (470, 40846),

Gene: BlackStallion_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for BlackStallion_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Blackpen_8 Start: 5864, Stop: 5313, Start Num: 196
Candidate Starts for Blackpen_8:
(151, 5924), (161, 5909), (164, 5903), (Start: 196 @5864 has 24 MA's), (Start: 218 @5819 has 20 MA's), (224, 5813), (299, 5726), (307, 5708), (319, 5684), (331, 5657), (332, 5654), (333, 5651), (374,

5552), (400, 5471), (432, 5399), (480, 5324),

Gene: BlacksBerry_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for BlacksBerry_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Blett_37 Start: 22730, Stop: 23311, Start Num: 218
Candidate Starts for Blett_37:
(Start: 218 @22730 has 20 MA's), (246, 22760), (300, 22883), (310, 22910), (321, 22931), (336, 22973), (343, 22988), (348, 23000), (365, 23042), (395, 23129), (397, 23135), (400, 23147), (428, 23201),

Gene: BlingBling_70 Start: 45443, Stop: 46036, Start Num: 222
Candidate Starts for BlingBling_70:
(Start: 222 @45443 has 17 MA's), (335, 45668), (339, 45680), (342, 45686), (362, 45731), (371, 45749), (376, 45767), (377, 45770), (390, 45812), (432, 45938), (471, 46010),

Gene: Blino_77 Start: 51275, Stop: 51865, Start Num: 225
Candidate Starts for Blino_77:
(Start: 225 @51275 has 73 MA's), (311, 51452), (335, 51497), (339, 51509), (342, 51515), (362, 51560), (371, 51578), (376, 51596), (377, 51599), (389, 51638), (390, 51641), (432, 51767), (471, 51839),

Gene: Blocker23_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Blocker23_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (142, 6489), (144, 6495), (Start: 199 @6591 has 359 MA's), (Start: 245 @6663 has 14 MA's), (260, 6690), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: BloominB_73 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for BloominB_73:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: BlueHusk_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for BlueHusk_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Blueberry_79 Start: 50046, Stop: 50630, Start Num: 225
Candidate Starts for Blueberry_79:
(1, 48945), (2, 48966), (7, 49161), (12, 49203), (14, 49221), (21, 49341), (38, 49608), (54, 49704), (Start: 225 @50046 has 73 MA's), (270, 50127), (273, 50130), (304, 50199), (331, 50250), (332, 50253), (333, 50256), (350, 50295), (357, 50316), (389, 50403), (397, 50442), (400, 50454), (411, 50463), (432, 50523), (449, 50550),

Gene: Bluephacebaby_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Bluephacebaby_6:

(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: BobBob_69 Start: 51250, Stop: 51888, Start Num: 192
Candidate Starts for BobBob_69:
(Start: 192 @51250 has 47 MA's), (240, 51325), (287, 51400), (332, 51481), (334, 51490), (350, 51529), (354, 51544), (375, 51592), (394, 51658), (405, 51691), (438, 51772), (462, 51829),

Gene: BobRoss2024_5 Start: 4729, Stop: 4181, Start Num: 196
Candidate Starts for BobRoss2024_5:
(Start: 196 @4729 has 24 MA's), (299, 4591), (332, 4522), (333, 4519), (372, 4426), (374, 4420), (375, 4417), (378, 4408), (402, 4336), (432, 4267),

Gene: BobbyK_7 Start: 6240, Stop: 5677, Start Num: 200
Candidate Starts for BobbyK_7:
(166, 6300), (Start: 174 @6291 has 4 MA's), (Start: 195 @6249 has 6 MA's), (Start: 200 @6240 has 35 MA's), (297, 6084), (303, 6072), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (372, 5913), (376, 5901), (397, 5838), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (455, 5721), (468, 5700),

Gene: Boehler_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Boehler_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: BoogieWoogie_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for BoogieWoogie_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Boyle_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Boyle_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (Start: 245 @6663 has 14 MA's), (260, 6690), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (428, 7071), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Brandonk123_73 Start: 51642, Stop: 52280, Start Num: 192
Candidate Starts for Brandonk123_73:
(Start: 192 @51642 has 47 MA's), (287, 51792), (332, 51873), (334, 51882), (350, 51921), (354, 51936), (375, 51984), (405, 52083), (438, 52164), (462, 52221),

Gene: Brawn1_66 Start: 50768, Stop: 51406, Start Num: 192
Candidate Starts for Brawn1_66:
(90, 50567), (105, 50612), (Start: 128 @50666 has 1 MA's), (Start: 157 @50714 has 5 MA's), (Start: 172 @50735 has 3 MA's), (Start: 192 @50768 has 47 MA's), (287, 50918), (334, 51008), (350, 51047), (354, 51062), (375, 51110), (377, 51116), (405, 51209), (438, 51290), (462, 51347),

Gene: Briakila_8 Start: 6278, Stop: 5625, Start Num: 157
Candidate Starts for Briakila_8:
(Start: 157 @6278 has 5 MA's), (167, 6260), (Start: 199 @6203 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455,

5672), (470, 5645),

Gene: Brilliant_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Brilliant_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: BrownCNA_7 Start: 6240, Stop: 5680, Start Num: 200
Candidate Starts for BrownCNA_7:
(132, 6360), (135, 6357), (Start: 200 @6240 has 35 MA's), (297, 6084), (303, 6072), (306, 6063), (331, 6015), (349, 5967), (353, 5955), (358, 5943), (372, 5916), (376, 5904), (414, 5808), (427, 5775), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Brownie5_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Brownie5_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: BruceB_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for BruceB_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Buckeye_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Buckeye_6:
(152, 4003), (185, 3943), (Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Burr_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Burr_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Bush_38 Start: 22678, Stop: 23259, Start Num: 218
Candidate Starts for Bush_38:
(97, 22423), (Start: 218 @22678 has 20 MA's), (246, 22708), (300, 22831), (310, 22858), (321, 22879), (336, 22921), (343, 22936), (348, 22948), (365, 22990), (395, 23077), (397, 23083), (400, 23095), (428, 23149),

Gene: CLED96_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for CLED96_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: CRB2_9 Start: 6920, Stop: 6342, Start Num: 199
Candidate Starts for CRB2_9:

(Start: 199 @6920 has 359 MA's), (226, 6866), (269, 6818), (297, 6755), (333, 6680), (346, 6644), (349, 6638), (358, 6614), (376, 6575), (388, 6542), (397, 6503), (398, 6500), (400, 6491), (423, 6464), (429, 6431), (470, 6362),

Gene: CaiB_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for CaiB_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (449, 5886), (480, 5832),

Gene: Calamitous_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Calamitous_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: CamL_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for CamL_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Cambiare_51 Start: 38958, Stop: 39542, Start Num: 238
Candidate Starts for Cambiare_51:
(58, 38583), (132, 38796), (136, 38799), (210, 38916), (Start: 238 @38958 has 85 MA's), (277, 39024), (319, 39132), (331, 39153), (332, 39156), (333, 39159), (339, 39180), (358, 39222), (375, 39261), (387, 39294), (394, 39327), (407, 39363), (426, 39411), (432, 39438), (466, 39504),

Gene: CampRoach_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for CampRoach_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Camri_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Camri_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: CandC_60 Start: 41891, Stop: 41328, Start Num: 194
Candidate Starts for CandC_60:
(66, 42188), (Start: 194 @41891 has 73 MA's), (295, 41747), (398, 41492), (400, 41483), (432, 41414), (470, 41351),

Gene: Cannibal_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Cannibal_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Cantare_75 Start: 61854, Stop: 62366, Start Num: 241
Candidate Starts for Cantare_75:

(Start: 241 @61854 has 2 MA's), (266, 61902), (278, 61914), (297, 61965), (337, 62064), (350, 62094), (358, 62118), (372, 62148), (373, 62151), (412, 62265), (426, 62286), (435, 62319),

Gene: CaptainKirk2_75 Start: 45228, Stop: 45818, Start Num: 225
Candidate Starts for CaptainKirk2_75:
(83, 44955), (87, 44976), (Start: 225 @45228 has 73 MA's), (331, 45435), (335, 45450), (339, 45462), (342, 45468), (362, 45513), (371, 45531), (376, 45549), (377, 45552), (389, 45591), (390, 45594), (432, 45720), (471, 45792),

Gene: CarolAnn_76 Start: 51274, Stop: 51864, Start Num: 225
Candidate Starts for CarolAnn_76:
(Start: 225 @51274 has 73 MA's), (311, 51451), (335, 51496), (339, 51508), (342, 51514), (362, 51559), (371, 51577), (376, 51595), (377, 51598), (389, 51637), (390, 51640), (432, 51766), (471, 51838),

Gene: Carrillo_39 Start: 22669, Stop: 23232, Start Num: 218
Candidate Starts for Carrillo_39:
(Start: 218 @22669 has 20 MA's), (228, 22681), (246, 22699), (288, 22762), (300, 22804), (315, 22840), (316, 22843), (336, 22894), (343, 22909), (348, 22921), (360, 22954), (363, 22960), (395, 23050), (397, 23056), (400, 23068), (428, 23122),

Gene: Carthage_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Carthage_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Casbah_7 Start: 5262, Stop: 4711, Start Num: 199
Candidate Starts for Casbah_7:
(Start: 159 @5334 has 7 MA's), (Start: 199 @5262 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Casend_54 Start: 41950, Stop: 41372, Start Num: 194
Candidate Starts for Casend_54:
(80, 42193), (138, 42031), (Start: 194 @41950 has 73 MA's), (276, 41839), (324, 41734), (367, 41629), (383, 41584), (385, 41578), (397, 41539), (402, 41524), (428, 41470), (470, 41395),

Gene: Caspiboi_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Caspiboi_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: CassieYates_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for CassieYates_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Causa_14 Start: 8926, Stop: 8369, Start Num: 190
Candidate Starts for Causa_14:
(Start: 190 @8926 has 2 MA's), (Start: 218 @8872 has 20 MA's), (230, 8857), (297, 8770), (310, 8737), (335, 8692), (341, 8677), (384, 8575), (397, 8533), (468, 8392), (470, 8389),

Gene: Cedasite_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Cedasite_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: ChaChing_8 Start: 5429, Stop: 4860, Start Num: 199
Candidate Starts for ChaChing_8:
(Start: 157 @5504 has 5 MA's), (167, 5486), (Start: 199 @5429 has 359 MA's), (265, 5330), (281, 5303), (297, 5264), (310, 5231), (316, 5219), (384, 5066), (397, 5024), (414, 4991), (427, 4958), (455, 4907), (470, 4880),

Gene: ChadMasterC_68 Start: 53124, Stop: 53762, Start Num: 192
Candidate Starts for ChadMasterC_68:
(43, 52734), (49, 52770), (52, 52788), (101, 52938), (Start: 128 @53022 has 1 MA's), (Start: 157 @53070 has 5 MA's), (Start: 172 @53091 has 3 MA's), (Start: 192 @53124 has 47 MA's), (240, 53199), (287, 53274), (334, 53364), (350, 53403), (354, 53418), (375, 53466), (377, 53472), (394, 53532), (400, 53553), (405, 53565), (438, 53646), (462, 53703),

Gene: Chaelin_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Chaelin_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511),

Gene: Chah_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Chah_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Chalmers_8 Start: 6203, Stop: 5625, Start Num: 199
Candidate Starts for Chalmers_8:
(Start: 159 @6275 has 7 MA's), (Start: 199 @6203 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Chance64_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Chance64_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Chandler_8 Start: 6176, Stop: 5625, Start Num: 199
Candidate Starts for Chandler_8:
(Start: 159 @6248 has 7 MA's), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: CharlieGBrown_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for CharlieGBrown_6:

(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: CharlottesWeb_6 Start: 4909, Stop: 4358, Start Num: 196
Candidate Starts for CharlottesWeb_6:
(Start: 196 @4909 has 24 MA's), (263, 4828), (266, 4822), (279, 4804), (282, 4795), (331, 4693), (365, 4609), (383, 4564), (385, 4558), (397, 4519), (400, 4507), (402, 4504), (422, 4480), (427, 4453), (428, 4450), (474, 4378),

Gene: Charming_72 Start: 50994, Stop: 51632, Start Num: 192
Candidate Starts for Charming_72:
(Start: 192 @50994 has 47 MA's), (287, 51144), (332, 51225), (334, 51234), (350, 51273), (354, 51288), (375, 51336), (405, 51435), (438, 51516), (462, 51573),

Gene: CheeseSpider_84 Start: 49892, Stop: 50476, Start Num: 225
Candidate Starts for CheeseSpider_84:
(Start: 225 @49892 has 73 MA's), (261, 49958), (270, 49973), (304, 50045), (332, 50099), (333, 50102), (350, 50141), (357, 50162), (389, 50249), (397, 50288), (400, 50300), (411, 50309), (432, 50369),

Gene: CheetO_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for CheetO_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Chentzyk_7 Start: 5289, Stop: 4711, Start Num: 199
Candidate Starts for Chentzyk_7:
(Start: 159 @5361 has 7 MA's), (Start: 199 @5289 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Cher_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Cher_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: CherryCola_64 Start: 47836, Stop: 48438, Start Num: 225
Candidate Starts for CherryCola_64:
(Start: 225 @47836 has 73 MA's), (344, 48076), (377, 48154), (383, 48169), (394, 48214), (400, 48235), (428, 48304), (431, 48313), (449, 48343), (453, 48355), (488, 48421),

Gene: Cherrybomb426_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Cherrybomb426_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Chickadee_62 Start: 45756, Stop: 46382, Start Num: 194
Candidate Starts for Chickadee_62:
(Start: 194 @45756 has 73 MA's), (226, 45813), (275, 45897), (315, 45969), (331, 45999), (371, 46098), (401, 46200), (428, 46260), (453, 46314), (460, 46329),

Gene: Chidiebere_115 Start: 79856, Stop: 80431, Start Num: 245
Candidate Starts for Chidiebere_115:
(Start: 245 @79856 has 14 MA's), (251, 79865), (259, 79886), (284, 79925), (310, 80003), (320, 80021), (331, 80051), (336, 80069), (360, 80129), (388, 80204), (408, 80267), (428, 80327), (440, 80351), (443, 80360),

Gene: Childish_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Childish_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Chipette_7 Start: 4153, Stop: 3599, Start Num: 199
Candidate Starts for Chipette_7:
(Start: 199 @4153 has 359 MA's), (Start: 211 @4123 has 3 MA's), (Start: 218 @4108 has 20 MA's), (226, 4099), (297, 4003), (333, 3928), (346, 3892), (349, 3886), (398, 3757), (400, 3748), (457, 3637),

Gene: ChisanaKitsune_114 Start: 78857, Stop: 79432, Start Num: 245
Candidate Starts for ChisanaKitsune_114:
(Start: 245 @78857 has 14 MA's), (251, 78866), (320, 79022), (331, 79052), (336, 79070), (337, 79073), (360, 79130), (388, 79205), (428, 79328), (429, 79331), (440, 79352), (443, 79361),

Gene: Chorkpop_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Chorkpop_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: ChrisnMich_6 Start: 5152, Stop: 4583, Start Num: 195
Candidate Starts for ChrisnMich_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (455, 4627), (468, 4606),

Gene: Chuni_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Chuni_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511),

Gene: Chunky_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Chunky_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Chute_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Chute_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: ClamChowder_65 Start: 47095, Stop: 47694, Start Num: 225
Candidate Starts for ClamChowder_65:
(Start: 225 @47095 has 73 MA's), (377, 47410), (383, 47425), (394, 47470), (422, 47527), (428, 47560), (431, 47569), (449, 47599), (453, 47611), (488, 47677),

Gene: Cloudyecho_52 Start: 38916, Stop: 39503, Start Num: 238

Candidate Starts for Cloudyecho_52:
(160, 38832), (Start: 196 @38877 has 24 MA's), (Start: 238 @38916 has 85 MA's), (265, 38964), (309, 39069), (331, 39111), (332, 39114), (394, 39288), (395, 39291), (426, 39372), (432, 39399), (441, 39414), (481, 39486),

Gene: CloverMinnie_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for CloverMinnie_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (480, 5832),

Gene: Clown_76 Start: 51335, Stop: 51934, Start Num: 222
Candidate Starts for Clown_76:
(176, 51254), (Start: 222 @51335 has 17 MA's), (235, 51353), (372, 51635), (380, 51656), (383, 51665), (400, 51731), (431, 51809), (434, 51818), (449, 51839), (453, 51851), (488, 51917),

Gene: Cobra_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Cobra_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Coco2012_6 Start: 4909, Stop: 4358, Start Num: 196
Candidate Starts for Coco2012_6:
(Start: 196 @4909 has 24 MA's), (263, 4828), (266, 4822), (279, 4804), (282, 4795), (331, 4693), (365, 4609), (383, 4564), (385, 4558), (397, 4519), (400, 4507), (402, 4504), (422, 4480), (427, 4453), (428, 4450), (474, 4378),

Gene: Coffee_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Coffee_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (142, 6489), (144, 6495), (Start: 199 @6591 has 359 MA's), (Start: 245 @6663 has 14 MA's), (260, 6690), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Colbert_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Colbert_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Coldpizza_8 Start: 6798, Stop: 6247, Start Num: 196
Candidate Starts for Coldpizza_8:
(185, 6816), (Start: 196 @6798 has 24 MA's), (294, 6669), (325, 6606), (328, 6597), (332, 6591), (333, 6588), (348, 6549), (358, 6522), (376, 6483), (384, 6462), (414, 6387), (433, 6336),

Gene: Coleslaw_51 Start: 37351, Stop: 37941, Start Num: 238
Candidate Starts for Coleslaw_51:
(15, 36679), (16, 36682), (69, 36973), (109, 37102), (139, 37174), (208, 37297), (219, 37318), (Start: 225 @37324 has 73 MA's), (Start: 238 @37351 has 85 MA's), (265, 37399), (306, 37495), (317, 37522), (330, 37543), (332, 37549), (339, 37573), (376, 37660), (387, 37690), (394, 37723), (397, 37732), (410, 37771), (426, 37810), (432, 37837), (469, 37906),

Gene: Coletti_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Coletti_6:

(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Compostia_8 Start: 5421, Stop: 4870, Start Num: 199
Candidate Starts for Compostia_8:
(Start: 159 @5493 has 7 MA's), (Start: 199 @5421 has 359 MA's), (265, 5340), (281, 5313), (297, 5274), (310, 5241), (316, 5229), (384, 5076), (397, 5034), (414, 5001), (427, 4968), (455, 4917), (470, 4890),

Gene: CookieDog_37 Start: 22669, Stop: 23232, Start Num: 218
Candidate Starts for CookieDog_37:
(126, 22498), (Start: 218 @22669 has 20 MA's), (228, 22681), (246, 22699), (300, 22804), (315, 22840), (316, 22843), (336, 22894), (343, 22909), (348, 22921), (363, 22960), (395, 23050), (397, 23056), (400, 23068), (428, 23122), (441, 23149),

Gene: Cornbread_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Cornbread_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Cornobble_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Cornobble_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Corofin_8 Start: 5438, Stop: 4860, Start Num: 199
Candidate Starts for Corofin_8:
(Start: 159 @5510 has 7 MA's), (Start: 199 @5438 has 359 MA's), (265, 5330), (281, 5303), (297, 5264), (310, 5231), (316, 5219), (384, 5066), (397, 5024), (414, 4991), (427, 4958), (455, 4907), (470, 4880),

Gene: Cosmolli16_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Cosmolli16_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: CoveyB_64 Start: 46929, Stop: 47531, Start Num: 225
Candidate Starts for CoveyB_64:
(Start: 225 @46929 has 73 MA's), (344, 47169), (377, 47247), (383, 47262), (394, 47307), (400, 47328), (428, 47397), (429, 47400), (431, 47406), (449, 47436), (453, 47448), (488, 47514),

Gene: Cracklewink_89 Start: 56009, Stop: 56578, Start Num: 238
Candidate Starts for Cracklewink_89:
(209, 55973), (Start: 238 @56009 has 85 MA's), (310, 56165), (311, 56168), (318, 56177), (331, 56198), (332, 56201), (354, 56258), (367, 56282), (375, 56306), (376, 56309), (377, 56312), (381, 56324), (397, 56372), (413, 56393), (436, 56459), (441, 56468), (462, 56513), (464, 56516), (484, 56546),

Gene: Craff_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Craff_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Crespo_50 Start: 36915, Stop: 37505, Start Num: 238
Candidate Starts for Crespo_50:
(15, 36243), (16, 36246), (69, 36537), (109, 36666), (139, 36738), (208, 36861), (219, 36882), (Start: 225 @36888 has 73 MA's), (Start: 238 @36915 has 85 MA's), (265, 36963), (306, 37059), (317, 37086), (330, 37107), (332, 37113), (339, 37137), (376, 37224), (387, 37254), (394, 37287), (397, 37296), (410, 37335), (426, 37374), (432, 37401), (469, 37470),

Gene: Crownjwl_7 Start: 4153, Stop: 3599, Start Num: 199
Candidate Starts for Crownjwl_7:
(Start: 199 @4153 has 359 MA's), (Start: 218 @4108 has 20 MA's), (226, 4099), (297, 4003), (333, 3928), (346, 3892), (349, 3886), (398, 3757), (400, 3748),

Gene: DMoney_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for DMoney_50:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: DNAIII_0049 Start: 35449, Stop: 36039, Start Num: 238
Candidate Starts for DNAIII_0049:
(13, 34744), (15, 34777), (16, 34780), (69, 35071), (109, 35200), (139, 35272), (208, 35395), (219, 35416), (Start: 225 @35422 has 73 MA's), (Start: 238 @35449 has 85 MA's), (265, 35497), (306, 35593), (317, 35620), (330, 35641), (332, 35647), (339, 35671), (376, 35758), (387, 35788), (394, 35821), (397, 35830), (410, 35869), (426, 35908), (432, 35935), (469, 36004),

Gene: DaddyDaniels_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for DaddyDaniels_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Daegal_76 Start: 49270, Stop: 49962, Start Num: 178
Candidate Starts for Daegal_76:
(70, 49033), (Start: 178 @49270 has 10 MA's), (181, 49279), (206, 49321), (Start: 222 @49351 has 17 MA's), (266, 49432), (303, 49516), (311, 49540), (316, 49549), (332, 49579), (344, 49612), (372, 49678), (385, 49714), (396, 49768), (403, 49792), (405, 49795), (421, 49810), (427, 49837), (432, 49852), (438, 49861), (449, 49879), (455, 49894),

Gene: Daffy_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Daffy_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Daisy_8 Start: 5492, Stop: 4866, Start Num: 157
Candidate Starts for Daisy_8:
(Start: 157 @5492 has 5 MA's), (167, 5474), (Start: 199 @5417 has 359 MA's), (265, 5336), (281, 5309), (297, 5270), (310, 5237), (316, 5225), (384, 5072), (397, 5030), (414, 4997), (427, 4964), (455, 4913), (470, 4886),

Gene: DalanDe_97 Start: 77200, Stop: 77709, Start Num: 241
Candidate Starts for DalanDe_97:
(215, 77146), (Start: 241 @77200 has 2 MA's), (251, 77215), (254, 77221), (289, 77290), (314, 77362), (323, 77380), (326, 77389), (328, 77398), (331, 77404), (333, 77410), (344, 77440), (349, 77452),

(387, 77551), (396, 77587), (397, 77590), (412, 77626), (426, 77647), (428, 77662), (437, 77680), (448, 77704),

Gene: Danyall_64 Start: 47189, Stop: 47788, Start Num: 225
Candidate Starts for Danyall_64:
(Start: 225 @47189 has 73 MA's), (383, 47519), (394, 47564), (422, 47621), (428, 47654), (431, 47663), (449, 47693), (453, 47705), (488, 47771),

Gene: Darionha_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Darionha_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Dati_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Dati_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Deenasa_8 Start: 6176, Stop: 5625, Start Num: 199
Candidate Starts for Deenasa_8:
(Start: 159 @6248 has 7 MA's), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: DeepSoil15_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for DeepSoil15_74:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: DelRivs_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for DelRivs_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Delian_78 Start: 45226, Stop: 45816, Start Num: 225
Candidate Starts for Delian_78:
(83, 44953), (87, 44974), (Start: 225 @45226 has 73 MA's), (331, 45433), (335, 45448), (339, 45460), (342, 45466), (362, 45511), (371, 45529), (376, 45547), (377, 45550), (389, 45589), (390, 45592), (432, 45718), (471, 45790),

Gene: Delrey21_65 Start: 50949, Stop: 51596, Start Num: 194
Candidate Starts for Delrey21_65:
(110, 50787), (112, 50793), (118, 50811), (164, 50898), (Start: 194 @50949 has 73 MA's), (Start: 238 @51027 has 85 MA's), (261, 51069), (265, 51075), (275, 51090), (303, 51141), (331, 51192), (354, 51258), (401, 51393), (405, 51402), (441, 51480), (453, 51507), (493, 51585),

Gene: Derg_61 Start: 48781, Stop: 49416, Start Num: 192
Candidate Starts for Derg_61:

(Start: 192 @48781 has 47 MA's), (334, 49018), (350, 49057), (354, 49072), (370, 49102), (372, 49111), (375, 49120), (438, 49300), (445, 49318),

Gene: Derpp_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Derpp_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Devonte_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Devonte_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Dewey_67 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Dewey_67:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Dexdert_63 Start: 45910, Stop: 46542, Start Num: 194
Candidate Starts for Dexdert_63:
(Start: 194 @45910 has 73 MA's), (275, 46051), (331, 46153), (350, 46204), (354, 46219), (380, 46279), (401, 46354), (428, 46414), (441, 46441), (453, 46468), (460, 46483), (489, 46531),

Gene: Dice_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Dice_6:
(Start: 199 @3917 has 359 MA's), (Start: 211 @3887 has 3 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: DigitDog_8 Start: 6203, Stop: 5640, Start Num: 200
Candidate Starts for DigitDog_8:
(Start: 200 @6203 has 35 MA's), (230, 6146), (297, 6047), (333, 5969), (349, 5927), (358, 5903), (376, 5864), (397, 5801), (398, 5798), (400, 5789), (423, 5762), (451, 5690), (455, 5684), (468, 5663), (477, 5651),

Gene: DingDing_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for DingDing_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Dingo_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Dingo_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Dione_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Dione_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: DirtJuice_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for DirtJuice_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: DoctorFroggo_65 Start: 50949, Stop: 51596, Start Num: 194
Candidate Starts for DoctorFroggo_65:
(110, 50787), (112, 50793), (118, 50811), (164, 50898), (Start: 194 @50949 has 73 MA's), (Start: 238 @51027 has 85 MA's), (261, 51069), (265, 51075), (275, 51090), (303, 51141), (331, 51192), (354, 51258), (401, 51393), (405, 51402), (441, 51480), (453, 51507), (493, 51585),

Gene: Doddsville_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Doddsville_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: DoesntMatter_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for DoesntMatter_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: DolOn_8 Start: 4153, Stop: 3599, Start Num: 199
Candidate Starts for DolOn_8:
(Start: 199 @4153 has 359 MA's), (Start: 211 @4123 has 3 MA's), (Start: 218 @4108 has 20 MA's), (226, 4099), (297, 4003), (333, 3928), (346, 3892), (349, 3886), (398, 3757), (400, 3748), (457, 3637),

Gene: DonSanchon_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for DonSanchon_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: DonaldDuck_53 Start: 41299, Stop: 40721, Start Num: 194
Candidate Starts for DonaldDuck_53:
(80, 41542), (138, 41380), (Start: 194 @41299 has 73 MA's), (276, 41188), (324, 41083), (367, 40978), (383, 40933), (385, 40927), (397, 40888), (402, 40873), (428, 40819), (470, 40744),

Gene: Donny_8 Start: 6217, Stop: 5651, Start Num: 200
Candidate Starts for Donny_8:
(Start: 200 @6217 has 35 MA's), (230, 6160), (297, 6058), (333, 5980), (349, 5938), (358, 5914), (372, 5887), (376, 5875), (400, 5800), (423, 5773), (451, 5701), (455, 5695),

Gene: Dropshot_37 Start: 22403, Stop: 22966, Start Num: 218
Candidate Starts for Dropshot_37:
(Start: 218 @22403 has 20 MA's), (228, 22415), (246, 22433), (288, 22496), (300, 22538), (316, 22577), (322, 22589), (336, 22628), (343, 22643), (348, 22655), (360, 22688), (363, 22694), (395, 22784), (397, 22790), (400, 22802), (428, 22856),

Gene: DuchessDung_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for DuchessDung_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Duggie_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Duggie_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Durga_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for Durga_6:
(Start: 199 @3914 has 359 MA's), (Start: 218 @3869 has 20 MA's), (226, 3860), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: E3_gp158 Start: 109470, Stop: 110030, Start Num: 200
Candidate Starts for E3_gp158:
(127, 109350), (158, 109401), (184, 109449), (Start: 200 @109470 has 35 MA's), (204, 109476), (269, 109545), (275, 109551), (311, 109629), (331, 109668), (332, 109671), (333, 109674), (377, 109782), (397, 109842), (442, 109935),

Gene: ECartman_49 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for ECartman_49:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: EMoore_63 Start: 50022, Stop: 50669, Start Num: 194
Candidate Starts for EMoore_63:
(Start: 194 @50022 has 73 MA's), (265, 50148), (275, 50163), (297, 50220), (303, 50232), (309, 50250), (331, 50292), (350, 50343), (356, 50361), (376, 50409), (377, 50412), (399, 50478), (401, 50484), (432, 50556), (453, 50598), (462, 50619),

Gene: Eaglehorse_9 Start: 6492, Stop: 7067, Start Num: 199
Candidate Starts for Eaglehorse_9:
(123, 6357), (Start: 133 @6375 has 3 MA's), (144, 6396), (Start: 146 @6399 has 1 MA's), (Start: 199 @6492 has 359 MA's), (228, 6549), (244, 6561), (254, 6579), (303, 6672), (306, 6681), (333, 6735), (346, 6771), (347, 6774), (349, 6777), (366, 6813), (379, 6849), (383, 6858), (397, 6903), (398, 6906), (400, 6915), (429, 6975), (431, 6981), (432, 6984), (455, 7020), (470, 7044), (477, 7053),

Gene: EastView9101_8 Start: 6217, Stop: 5651, Start Num: 200
Candidate Starts for EastView9101_8:
(Start: 200 @6217 has 35 MA's), (230, 6160), (297, 6058), (333, 5980), (349, 5938), (358, 5914), (372, 5887), (376, 5875), (400, 5800), (423, 5773), (451, 5701), (455, 5695),

Gene: EdmundFerry_59 Start: 44985, Stop: 45611, Start Num: 194
Candidate Starts for EdmundFerry_59:
(Start: 194 @44985 has 73 MA's), (275, 45126), (331, 45228), (371, 45327), (401, 45429), (428, 45489), (453, 45543), (460, 45558),

Gene: Egi03_63 Start: 46955, Stop: 47554, Start Num: 225
Candidate Starts for Egi03_63:
(Start: 225 @46955 has 73 MA's), (342, 47189), (383, 47285), (394, 47330), (422, 47387), (428, 47420), (431, 47429), (449, 47459), (453, 47471), (473, 47507), (488, 47537),

Gene: Ein37_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Ein37_74:

(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: ElvisPhasley_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for ElvisPhasley_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: Emiris_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Emiris_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: EmoNemo_108 Start: 78928, Stop: 79503, Start Num: 245
Candidate Starts for EmoNemo_108:
(Start: 245 @78928 has 14 MA's), (251, 78937), (259, 78958), (320, 79093), (331, 79123), (336, 79141), (360, 79201), (388, 79276), (408, 79339), (428, 79399), (440, 79423), (443, 79432),

Gene: EmpTee_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for EmpTee_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Epah_6 Start: 5143, Stop: 4583, Start Num: 200
Candidate Starts for Epah_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Eremos_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Eremos_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Eugenia_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Eugenia_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Evaa_7 Start: 6193, Stop: 5651, Start Num: 196
Candidate Starts for Evaa_7:
(61, 6520), (Start: 196 @6193 has 24 MA's), (294, 6064), (313, 6022), (325, 6001), (331, 5989), (333, 5983), (348, 5944), (372, 5890), (376, 5878), (384, 5857), (397, 5815), (432, 5734),

Gene: Evamon_62 Start: 46633, Stop: 47232, Start Num: 225
Candidate Starts for Evamon_62:
(Start: 225 @46633 has 73 MA's), (377, 46948), (383, 46963), (394, 47008), (422, 47065), (425, 47080), (428, 47098), (431, 47107), (434, 47116), (449, 47137), (453, 47149), (488, 47215),

Gene: Evanesce_73 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Evanesce_73:

(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: EverythinBagel_52 Start: 41660, Stop: 41082, Start Num: 194
Candidate Starts for EverythinBagel_52:
(78, 41912), (80, 41903), (138, 41741), (Start: 194 @41660 has 73 MA's), (276, 41549), (324, 41444), (367, 41339), (383, 41294), (385, 41288), (397, 41249), (402, 41234), (428, 41180), (470, 41105),

Gene: Eyre_59 Start: 38628, Stop: 39218, Start Num: 221
Candidate Starts for Eyre_59:
(177, 38547), (197, 38586), (Start: 221 @38628 has 1 MA's), (231, 38640), (282, 38730), (311, 38805), (318, 38814), (331, 38835), (335, 38850), (339, 38862), (400, 39042), (432, 39117), (483, 39207),

Gene: Fairfaxidum_77 Start: 47701, Stop: 48291, Start Num: 225
Candidate Starts for Fairfaxidum_77:
(Start: 225 @47701 has 73 MA's), (335, 47923), (339, 47935), (342, 47941), (362, 47986), (390, 48067), (432, 48193), (453, 48232),

Gene: Faiyaz_85 Start: 54903, Stop: 55472, Start Num: 238
Candidate Starts for Faiyaz_85:
(173, 54774), (175, 54777), (193, 54813), (Start: 238 @54903 has 85 MA's), (277, 54969), (310, 55059), (311, 55062), (331, 55092), (332, 55095), (354, 55152), (367, 55176), (372, 55191), (375, 55200), (376, 55203), (377, 55206), (381, 55218), (397, 55266), (413, 55287), (436, 55353), (449, 55374), (462, 55407), (477, 55428), (484, 55440),

Gene: Fanaw_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Fanaw_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (468, 5703),

Gene: Fang_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Fang_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Farrylious_115 Start: 79534, Stop: 80109, Start Num: 245
Candidate Starts for Farrylious_115:
(Start: 245 @79534 has 14 MA's), (251, 79543), (259, 79564), (310, 79681), (320, 79699), (331, 79729), (336, 79747), (360, 79807), (388, 79882), (408, 79945), (428, 80005), (440, 80029), (443, 80038),

Gene: Faze9_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Faze9_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (142, 6489), (144, 6495), (Start: 199 @6591 has 359 MA's), (Start: 245 @6663 has 14 MA's), (260, 6690), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: FelixTres_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for FelixTres_8:

(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (449, 5886), (480, 5832),

Gene: Fenry_74 Start: 47299, Stop: 47889, Start Num: 225
Candidate Starts for Fenry_74:
(Start: 225 @47299 has 73 MA's), (335, 47521), (339, 47533), (342, 47539), (362, 47584), (371, 47602), (376, 47620), (377, 47623), (389, 47662), (390, 47665), (432, 47791),

Gene: Finch_5 Start: 2997, Stop: 3599, Start Num: 196
Candidate Starts for Finch_5:
(137, 2898), (Start: 196 @2997 has 24 MA's), (249, 3066), (308, 3171), (329, 3213), (333, 3222), (357, 3285), (370, 3309), (373, 3321), (378, 3336), (397, 3390), (398, 3393), (423, 3429), (427, 3456), (430, 3465), (470, 3531),

Gene: Fireball_66 Start: 47491, Stop: 48090, Start Num: 225
Candidate Starts for Fireball_66:
(108, 47263), (Start: 225 @47491 has 73 MA's), (377, 47806), (383, 47821), (394, 47866), (422, 47923), (428, 47956), (431, 47965), (449, 47995), (453, 48007), (473, 48043), (488, 48073),

Gene: Fitzgerald_67 Start: 51775, Stop: 52413, Start Num: 192
Candidate Starts for Fitzgerald_67:
(85, 51544), (90, 51568), (Start: 128 @51673 has 1 MA's), (Start: 157 @51721 has 5 MA's), (Start: 172 @51742 has 3 MA's), (Start: 192 @51775 has 47 MA's), (287, 51925), (334, 52015), (350, 52054), (354, 52069), (375, 52117), (377, 52123), (405, 52216), (438, 52297), (462, 52354),

Gene: Fizzles_56 Start: 42284, Stop: 41706, Start Num: 194
Candidate Starts for Fizzles_56:
(Start: 194 @42284 has 73 MA's), (276, 42173), (306, 42104), (307, 42101), (324, 42068), (360, 41975), (383, 41918), (397, 41873), (402, 41858), (428, 41804), (470, 41729),

Gene: FlagStaff_49 Start: 37465, Stop: 38049, Start Num: 238
Candidate Starts for FlagStaff_49:
(Start: 238 @37465 has 85 MA's), (277, 37531), (319, 37639), (331, 37660), (332, 37663), (333, 37666), (339, 37687), (375, 37768), (387, 37801), (394, 37834), (397, 37843), (426, 37918), (432, 37945),

Gene: Flake_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Flake_6:
(Start: 199 @3917 has 359 MA's), (Start: 211 @3887 has 3 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Flatwoods_67 Start: 49662, Stop: 50297, Start Num: 192
Candidate Starts for Flatwoods_67:
(Start: 192 @49662 has 47 MA's), (334, 49899), (350, 49938), (354, 49953), (370, 49983), (372, 49992), (375, 50001), (405, 50100), (428, 50160), (445, 50199),

Gene: FleetyMac_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for FleetyMac_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511),

Gene: FlyingTortilla_112 Start: 82708, Stop: 83283, Start Num: 245

Candidate Starts for FlyingTortilla_112:
(Start: 245 @82708 has 14 MA's), (290, 82792), (297, 82822), (331, 82903), (336, 82921), (337, 82924), (353, 82966), (370, 82999), (387, 83053), (388, 83056), (428, 83179), (443, 83212), (448, 83224),

Gene: ForDig_5 Start: 4719, Stop: 4141, Start Num: 200
Candidate Starts for ForDig_5:
(Start: 200 @4719 has 35 MA's), (224, 4671), (272, 4596), (280, 4587), (297, 4545), (315, 4503), (333, 4470), (349, 4428), (358, 4404), (397, 4302), (400, 4290), (423, 4263), (427, 4236), (432, 4221), (433, 4218), (449, 4200), (455, 4185), (470, 4161),

Gene: ForeverHowLong_49 Start: 36909, Stop: 37499, Start Num: 238
Candidate Starts for ForeverHowLong_49:
(15, 36237), (16, 36240), (69, 36531), (109, 36660), (139, 36732), (208, 36855), (219, 36876), (Start: 225 @36882 has 73 MA's), (Start: 238 @36909 has 85 MA's), (265, 36957), (306, 37053), (317, 37080), (330, 37101), (332, 37107), (339, 37131), (376, 37218), (387, 37248), (394, 37281), (397, 37290), (410, 37329), (426, 37368), (432, 37395), (469, 37464),

Gene: Forge_67 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Forge_67:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Fortunato_7 Start: 6288, Stop: 5677, Start Num: 174
Candidate Starts for Fortunato_7:
(166, 6297), (Start: 174 @6288 has 4 MA's), (Start: 195 @6246 has 6 MA's), (Start: 200 @6237 has 35 MA's), (297, 6081), (303, 6069), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (358, 5940), (372, 5913), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (451, 5727), (455, 5721), (468, 5700),

Gene: Fosterous_71 Start: 51988, Stop: 52626, Start Num: 192
Candidate Starts for Fosterous_71:
(Start: 192 @51988 has 47 MA's), (287, 52138), (332, 52219), (334, 52228), (350, 52267), (354, 52282), (375, 52330), (405, 52429), (438, 52510), (462, 52567),

Gene: Fozzie_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Fozzie_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: FrankDeliGuy_50 Start: 41277, Stop: 40702, Start Num: 186
Candidate Starts for FrankDeliGuy_50:
(Start: 186 @41277 has 6 MA's), (228, 41208), (319, 41070), (324, 41061), (331, 41043), (374, 40935), (379, 40920), (383, 40911), (397, 40866), (400, 40854), (439, 40779), (455, 40749), (470, 40725),

Gene: Frankicide_6 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for Frankicide_6:
(Start: 199 @3920 has 359 MA's), (Start: 211 @3890 has 3 MA's), (Start: 218 @3875 has 20 MA's), (226, 3866), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Fransoyer_57 Start: 43875, Stop: 43294, Start Num: 194

Candidate Starts for Fransoyer_57:
(51, 44238), (Start: 194 @43875 has 73 MA's), (252, 43794), (271, 43773), (306, 43698), (324, 43662), (335, 43629), (375, 43533), (377, 43527), (383, 43512), (398, 43461), (470, 43320), (478, 43308),

Gene: Frederick_7 Start: 6294, Stop: 5680, Start Num: 174
Candidate Starts for Frederick_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: FremontTroll_6 Start: 3886, Stop: 3362, Start Num: 211
Candidate Starts for FremontTroll_6:
(Start: 199 @3916 has 359 MA's), (Start: 211 @3886 has 3 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: FrenchFry_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for FrenchFry_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (333, 6834), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Fresco_6 Start: 4904, Stop: 4362, Start Num: 196
Candidate Starts for Fresco_6:
(31, 5378), (61, 5207), (Start: 196 @4904 has 24 MA's), (226, 4850), (279, 4811), (331, 4697), (385, 4565), (397, 4526), (400, 4514), (402, 4511), (422, 4487), (427, 4460), (456, 4406), (474, 4382),

Gene: Freya_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Freya_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: FriarPreacher_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for FriarPreacher_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Fringe_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Fringe_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Frokostdame_79 Start: 49511, Stop: 50095, Start Num: 225
Candidate Starts for Frokostdame_79:
(54, 49172), (Start: 225 @49511 has 73 MA's), (270, 49592), (273, 49595), (304, 49664), (331, 49715), (332, 49718), (333, 49721), (350, 49760), (357, 49781), (389, 49868), (393, 49892), (397, 49907), (400, 49919), (411, 49928), (432, 49988), (483, 50078),

Gene: Frosty24_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Frosty24_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317,

37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: FruityLoops_115 Start: 82214, Stop: 82789, Start Num: 245
Candidate Starts for FruityLoops_115:
(Start: 245 @82214 has 14 MA's), (290, 82298), (297, 82328), (331, 82409), (336, 82427), (337, 82430), (353, 82472), (370, 82505), (387, 82559), (388, 82562), (428, 82685), (443, 82718), (448, 82730),

Gene: Fudan_172 Start: 89491, Stop: 89979, Start Num: 220
Candidate Starts for Fudan_172:
(Start: 220 @89491 has 7 MA's), (298, 89626), (307, 89647), (309, 89653), (333, 89707), (349, 89749), (359, 89776), (397, 89875), (432, 89956),

Gene: FuegoCuervo_70 Start: 51013, Stop: 51651, Start Num: 192
Candidate Starts for FuegoCuervo_70:
(Start: 157 @50959 has 5 MA's), (Start: 172 @50980 has 3 MA's), (Start: 192 @51013 has 47 MA's), (287, 51163), (334, 51253), (350, 51292), (354, 51307), (375, 51355), (377, 51361), (405, 51454), (438, 51535), (462, 51592),

Gene: FugateOSU_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for FugateOSU_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Fugax_66 Start: 47087, Stop: 47686, Start Num: 225
Candidate Starts for Fugax_66:
(Start: 225 @47087 has 73 MA's), (377, 47402), (383, 47417), (394, 47462), (422, 47519), (428, 47552), (431, 47561), (449, 47591), (453, 47603), (488, 47669),

Gene: Funsized_11 Start: 8078, Stop: 7494, Start Num: 200
Candidate Starts for Funsized_11:
(187, 8102), (Start: 200 @8078 has 35 MA's), (204, 8072), (258, 7973), (272, 7955), (297, 7904), (331, 7829), (335, 7814), (349, 7781), (353, 7769), (372, 7730), (374, 7724), (376, 7718), (377, 7715), (397, 7655), (432, 7574), (433, 7571), (449, 7553), (455, 7538), (468, 7517), (470, 7514),

Gene: GMA6_97 Start: 70563, Stop: 71153, Start Num: 239
Candidate Starts for GMA6_97:
(239, 70563), (259, 70602), (266, 70614), (284, 70647), (308, 70719), (336, 70791), (337, 70794), (373, 70881), (414, 71004), (428, 71049), (448, 71094), (459, 71121), (476, 71148),

Gene: GTE6_62 Start: 46212, Stop: 46838, Start Num: 194
Candidate Starts for GTE6_62:
(Start: 194 @46212 has 73 MA's), (226, 46269), (275, 46353), (331, 46455), (371, 46554), (401, 46656), (428, 46716), (453, 46770), (460, 46785),

Gene: Gadjet_9 Start: 5418, Stop: 4867, Start Num: 199
Candidate Starts for Gadjet_9:
(Start: 157 @5493 has 5 MA's), (167, 5475), (Start: 199 @5418 has 359 MA's), (265, 5337), (281, 5310), (297, 5271), (310, 5238), (316, 5226), (384, 5073), (397, 5031), (414, 4998), (427, 4965), (455, 4914), (470, 4887),

Gene: Gaea_67 Start: 49891, Stop: 50526, Start Num: 194

Candidate Starts for Gaea_67:
(148, 49813), (Start: 194 @49891 has 73 MA's), (287, 50038), (334, 50128), (350, 50167), (354, 50182), (374, 50227), (377, 50236), (394, 50296), (405, 50329), (445, 50428),

Gene: Galadriel_68 Start: 51942, Stop: 52580, Start Num: 192
Candidate Starts for Galadriel_68:
(Start: 192 @51942 has 47 MA's), (287, 52092), (334, 52182), (350, 52221), (354, 52236), (375, 52284), (377, 52290), (405, 52383), (438, 52464), (462, 52521),

Gene: Gambino_82 Start: 50046, Stop: 50630, Start Num: 225
Candidate Starts for Gambino_82:
(1, 48945), (2, 48966), (7, 49161), (12, 49203), (14, 49221), (21, 49341), (38, 49608), (54, 49704), (Start: 225 @50046 has 73 MA's), (270, 50127), (273, 50130), (304, 50199), (331, 50250), (332, 50253), (333, 50256), (350, 50295), (357, 50316), (389, 50403), (397, 50442), (400, 50454), (411, 50463), (432, 50523), (449, 50550),

Gene: Gancho_73 Start: 48020, Stop: 48631, Start Num: 222
Candidate Starts for Gancho_73:
(Start: 178 @47939 has 10 MA's), (181, 47948), (206, 47990), (Start: 222 @48020 has 17 MA's), (266, 48101), (303, 48185), (311, 48209), (316, 48218), (332, 48248), (344, 48281), (372, 48347), (385, 48383), (396, 48437), (403, 48461), (405, 48464), (421, 48479), (427, 48506), (432, 48521), (438, 48530), (449, 48548), (455, 48563),

Gene: Gareth_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Gareth_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Garnacho_165 Start: 89272, Stop: 89760, Start Num: 220
Candidate Starts for Garnacho_165:
(Start: 220 @89272 has 7 MA's), (251, 89302), (298, 89407), (301, 89413), (307, 89428), (308, 89431), (309, 89434), (316, 89449), (319, 89455), (333, 89488), (349, 89530), (359, 89557), (397, 89656),

Gene: Gazebo_53 Start: 41824, Stop: 41252, Start Num: 194
Candidate Starts for Gazebo_53:
(150, 41884), (Start: 194 @41824 has 73 MA's), (228, 41758), (319, 41620), (324, 41611), (331, 41593), (374, 41485), (379, 41470), (383, 41461), (397, 41416), (400, 41404), (439, 41329), (455, 41299), (470, 41275),

Gene: GeneCoco_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for GeneCoco_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Geodirt_67 Start: 52126, Stop: 52818, Start Num: 157
Candidate Starts for Geodirt_67:
(43, 51799), (49, 51835), (Start: 128 @52078 has 1 MA's), (Start: 157 @52126 has 5 MA's), (Start: 172 @52147 has 3 MA's), (Start: 192 @52180 has 47 MA's), (240, 52255), (287, 52330), (334, 52420), (350, 52459), (354, 52474), (375, 52522), (377, 52528), (400, 52609), (405, 52621), (438, 52702), (462, 52759),

Gene: Gervas_8 Start: 5408, Stop: 4863, Start Num: 199
Candidate Starts for Gervas_8:

(Start: 159 @5480 has 7 MA's), (Start: 199 @5408 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Gezellig_61 Start: 47082, Stop: 47684, Start Num: 225
Candidate Starts for Gezellig_61:
(Start: 225 @47082 has 73 MA's), (344, 47322), (377, 47400), (383, 47415), (394, 47460), (400, 47481), (428, 47550), (429, 47553), (431, 47559), (449, 47589), (453, 47601), (488, 47667),

Gene: GiJojo_163 Start: 90051, Stop: 90533, Start Num: 220
Candidate Starts for GiJojo_163:
(Start: 220 @90051 has 7 MA's), (298, 90183), (309, 90210), (333, 90264), (349, 90306), (397, 90432), (400, 90444), (432, 90513),

Gene: Gideon_52 Start: 37361, Stop: 37951, Start Num: 238
Candidate Starts for Gideon_52:
(15, 36689), (16, 36692), (69, 36983), (109, 37112), (139, 37184), (208, 37307), (219, 37328), (Start: 225 @37334 has 73 MA's), (Start: 238 @37361 has 85 MA's), (265, 37409), (306, 37505), (317, 37532), (330, 37553), (332, 37559), (339, 37583), (376, 37670), (387, 37700), (394, 37733), (397, 37742), (410, 37781), (426, 37820), (432, 37847), (469, 37916),

Gene: Giles_67 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Giles_67:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: GinPorsche_6 Start: 5152, Stop: 4583, Start Num: 195
Candidate Starts for GinPorsche_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Giraffe_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Giraffe_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Glass_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Glass_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (333, 6834), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: GlenHope_9 Start: 5427, Stop: 4876, Start Num: 199
Candidate Starts for GlenHope_9:
(Start: 159 @5499 has 7 MA's), (Start: 199 @5427 has 359 MA's), (265, 5346), (281, 5319), (297, 5280), (310, 5247), (316, 5235), (384, 5082), (397, 5040), (414, 5007), (427, 4974), (455, 4923), (470, 4896),

Gene: Glubnar_8 Start: 5417, Stop: 4866, Start Num: 199

Candidate Starts for Glubnar_8:
(Start: 159 @5489 has 7 MA's), (Start: 199 @5417 has 359 MA's), (265, 5336), (281, 5309), (297, 5270), (310, 5237), (316, 5225), (384, 5072), (397, 5030), (414, 4997), (427, 4964), (455, 4913), (470, 4886),

Gene: GodSpeed_48 Start: 37283, Stop: 37867, Start Num: 238
Candidate Starts for GodSpeed_48:
(210, 37244), (Start: 238 @37283 has 85 MA's), (277, 37349), (319, 37457), (331, 37478), (332, 37481), (333, 37484), (339, 37505), (375, 37586), (387, 37619), (394, 37652), (398, 37664), (426, 37736), (432, 37763),

Gene: Godines_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Godines_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (Start: 245 @6546 has 14 MA's), (260, 6573), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: GoldenAsh_50 Start: 36899, Stop: 37489, Start Num: 238
Candidate Starts for GoldenAsh_50:
(15, 36227), (16, 36230), (69, 36521), (109, 36650), (139, 36722), (208, 36845), (219, 36866), (Start: 225 @36872 has 73 MA's), (Start: 238 @36899 has 85 MA's), (265, 36947), (306, 37043), (317, 37070), (330, 37091), (332, 37097), (339, 37121), (376, 37208), (387, 37238), (394, 37271), (397, 37280), (410, 37319), (426, 37358), (432, 37385), (469, 37454),

Gene: Gomashi_50 Start: 36915, Stop: 37505, Start Num: 238
Candidate Starts for Gomashi_50:
(15, 36243), (16, 36246), (69, 36537), (109, 36666), (139, 36738), (208, 36861), (219, 36882), (Start: 225 @36888 has 73 MA's), (Start: 238 @36915 has 85 MA's), (265, 36963), (306, 37059), (317, 37086), (330, 37107), (332, 37113), (339, 37137), (376, 37224), (387, 37254), (394, 37287), (397, 37296), (410, 37335), (426, 37374), (432, 37401), (469, 37470),

Gene: Gophee_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Gophee_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Grand2040_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Grand2040_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Grassboy_56 Start: 41958, Stop: 41386, Start Num: 194
Candidate Starts for Grassboy_56:
(141, 42045), (Start: 194 @41958 has 73 MA's), (228, 41892), (319, 41754), (324, 41745), (331, 41727), (374, 41619), (379, 41604), (383, 41595), (397, 41550), (400, 41538), (439, 41463), (455, 41433), (470, 41409),

Gene: Gravaillia_68 Start: 48220, Stop: 48912, Start Num: 178
Candidate Starts for Gravaillia_68:
(70, 47983), (Start: 178 @48220 has 10 MA's), (181, 48229), (206, 48271), (Start: 222 @48301 has 17 MA's), (266, 48382), (303, 48466), (311, 48490), (316, 48499), (332, 48529), (344, 48562), (372, 48628), (385, 48664), (396, 48718), (403, 48742), (405, 48745), (421, 48760), (427, 48787), (432,

48802), (438, 48811), (449, 48829), (455, 48844),

Gene: Gray_112 Start: 79189, Stop: 79764, Start Num: 245
Candidate Starts for Gray_112:
(Start: 245 @79189 has 14 MA's), (251, 79198), (259, 79219), (284, 79258), (310, 79336), (320, 79354), (331, 79384), (336, 79402), (360, 79462), (388, 79537), (408, 79600), (428, 79660), (440, 79684), (443, 79693),

Gene: GreenChile_7 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for GreenChile_7:
(Start: 199 @3920 has 359 MA's), (Start: 211 @3890 has 3 MA's), (Start: 218 @3875 has 20 MA's), (226, 3866), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Grizzly_51 Start: 36986, Stop: 37576, Start Num: 238
Candidate Starts for Grizzly_51:
(69, 36608), (139, 36809), (208, 36932), (219, 36953), (Start: 225 @36959 has 73 MA's), (Start: 238 @36986 has 85 MA's), (306, 37130), (330, 37178), (332, 37184), (339, 37208), (376, 37295), (387, 37325), (394, 37358), (397, 37367), (410, 37406), (426, 37445), (432, 37472), (469, 37541),

Gene: Guacamole_73 Start: 46646, Stop: 47236, Start Num: 225
Candidate Starts for Guacamole_73:
(83, 46373), (87, 46394), (Start: 225 @46646 has 73 MA's), (331, 46853), (335, 46868), (339, 46880), (342, 46886), (362, 46931), (371, 46949), (376, 46967), (377, 46970), (389, 47009), (390, 47012), (432, 47138), (471, 47210),

Gene: Gustavo_68 Start: 50864, Stop: 51499, Start Num: 192
Candidate Starts for Gustavo_68:
(Start: 192 @50864 has 47 MA's), (334, 51101), (350, 51140), (354, 51155), (370, 51185), (372, 51194), (375, 51203), (405, 51302), (428, 51362), (445, 51401),

Gene: Guzman_37 Start: 22667, Stop: 23230, Start Num: 218
Candidate Starts for Guzman_37:
(79, 22346), (126, 22496), (Start: 218 @22667 has 20 MA's), (228, 22679), (246, 22697), (300, 22802), (315, 22838), (316, 22841), (336, 22892), (343, 22907), (348, 22919), (363, 22958), (395, 23048), (397, 23054), (400, 23066), (428, 23120), (441, 23147),

Gene: Gwennie1_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Gwennie1_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Gwilliam_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Gwilliam_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Gyarad_006 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Gyarad_006:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: HH92_73 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for HH92_73:

(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: HSavage_6 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for HSavage_6:
(Start: 199 @3920 has 359 MA's), (Start: 211 @3890 has 3 MA's), (Start: 218 @3875 has 20 MA's), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Hadrien_71 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Hadrien_71:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Hail_67 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Hail_67:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Haimas_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Haimas_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Haleema_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Haleema_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Halfpint_7 Start: 5262, Stop: 4711, Start Num: 199
Candidate Starts for Halfpint_7:
(Start: 159 @5334 has 7 MA's), (Start: 199 @5262 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Hally898_6 Start: 5143, Stop: 4583, Start Num: 200
Candidate Starts for Hally898_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Halo_51 Start: 36909, Stop: 37499, Start Num: 238
Candidate Starts for Halo_51:
(15, 36237), (16, 36240), (69, 36531), (109, 36660), (139, 36732), (208, 36855), (219, 36876), (Start: 225 @36882 has 73 MA's), (Start: 238 @36909 has 85 MA's), (265, 36957), (306, 37053), (317, 37080), (330, 37101), (332, 37107), (339, 37131), (376, 37218), (387, 37248), (394, 37281), (397, 37290), (410, 37329), (426, 37368), (432, 37395), (469, 37464),

Gene: Halo3_62 Start: 47667, Stop: 48269, Start Num: 225
Candidate Starts for Halo3_62:
(Start: 225 @47667 has 73 MA's), (344, 47907), (377, 47985), (383, 48000), (394, 48045), (400, 48066), (428, 48135), (429, 48138), (431, 48144), (449, 48174), (453, 48186), (473, 48222), (488, 48252),

Gene: Hamish_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Hamish_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Hanem_114 Start: 78726, Stop: 79301, Start Num: 245
Candidate Starts for Hanem_114:
(Start: 245 @78726 has 14 MA's), (251, 78735), (259, 78756), (284, 78795), (310, 78873), (320, 78891), (331, 78921), (336, 78939), (360, 78999), (388, 79074), (408, 79137), (428, 79197), (440, 79221), (443, 79230),

Gene: Hangman_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Hangman_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Hans_66 Start: 49390, Stop: 50037, Start Num: 191
Candidate Starts for Hans_66:
(Start: 191 @49390 has 6 MA's), (265, 49516), (275, 49531), (297, 49588), (303, 49600), (307, 49612), (309, 49618), (331, 49660), (337, 49681), (350, 49711), (376, 49777), (377, 49780), (399, 49846), (401, 49852), (432, 49924), (453, 49966), (462, 49987),

Gene: Happabalu_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for Happabalu_6:
(Start: 199 @3914 has 359 MA's), (Start: 218 @3869 has 20 MA's), (226, 3860), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: Hartsy_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Hartsy_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Harvey_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Harvey_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: HarveySr_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for HarveySr_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Hashim76_11 Start: 5067, Stop: 4489, Start Num: 199
Candidate Starts for Hashim76_11:

(Start: 188 @5088 has 2 MA's), (Start: 194 @5076 has 73 MA's), (Start: 199 @5067 has 359 MA's), (269, 4962), (280, 4947), (297, 4905), (333, 4827), (349, 4785), (397, 4650), (398, 4647), (455, 4533), (459, 4524), (470, 4509),

Gene: Heath_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Heath_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Heathcliff_8 Start: 5408, Stop: 4863, Start Num: 199
Candidate Starts for Heathcliff_8:
(Start: 159 @5480 has 7 MA's), (Start: 199 @5408 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Hedgerow_9 Start: 6573, Stop: 7148, Start Num: 199
Candidate Starts for Hedgerow_9:
(123, 6438), (Start: 133 @6456 has 3 MA's), (144, 6477), (Start: 146 @6480 has 1 MA's), (Start: 199 @6573 has 359 MA's), (228, 6630), (244, 6642), (254, 6660), (303, 6753), (306, 6762), (346, 6852), (347, 6855), (349, 6858), (366, 6894), (379, 6930), (383, 6939), (397, 6984), (398, 6987), (400, 6996), (429, 7056), (431, 7062), (432, 7065), (455, 7101), (470, 7125), (477, 7134),

Gene: Hekos_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Hekos_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Held_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Held_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: HenryJackson_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for HenryJackson_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Hertubise_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Hertubise_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Hetaeria_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Hetaeria_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: HighStump_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for HighStump_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Hilltopfarm_84 Start: 54597, Stop: 55166, Start Num: 238
Candidate Starts for Hilltopfarm_84:
(173, 54468), (175, 54471), (193, 54507), (Start: 238 @54597 has 85 MA's), (277, 54663), (310, 54753), (311, 54756), (331, 54786), (332, 54789), (354, 54846), (367, 54870), (372, 54885), (375, 54894), (376, 54897), (377, 54900), (381, 54912), (397, 54960), (413, 54981), (436, 55047), (449, 55068), (462, 55101), (477, 55122), (484, 55134),

Gene: Hitter_73 Start: 44905, Stop: 45495, Start Num: 225
Candidate Starts for Hitter_73:
(Start: 225 @44905 has 73 MA's), (335, 45127), (339, 45139), (342, 45145), (362, 45190), (371, 45208), (376, 45226), (377, 45229), (389, 45268), (390, 45271), (432, 45397),

Gene: Hocus_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Hocus_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: HogWash_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for HogWash_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Holeinone_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Holeinone_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Hope_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Hope_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Horchata_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Horchata_6:
(Start: 199 @3917 has 359 MA's), (Start: 211 @3887 has 3 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Hosp_03 Start: 2921, Stop: 2343, Start Num: 200
Candidate Starts for Hosp_03:
(Start: 200 @2921 has 35 MA's), (272, 2798), (280, 2789), (297, 2747), (315, 2705), (333, 2672), (349, 2630), (358, 2606), (372, 2579), (376, 2567), (377, 2564), (400, 2492), (423, 2465), (427, 2438), (432, 2423), (433, 2420), (455, 2387), (470, 2363),

Gene: Hotshotbaby7_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Hotshotbaby7_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397,

37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Hydro_7 Start: 6240, Stop: 5677, Start Num: 200
Candidate Starts for Hydro_7:
(166, 6300), (Start: 174 @6291 has 4 MA's), (Start: 195 @6249 has 6 MA's), (Start: 200 @6240 has 35 MA's), (297, 6084), (303, 6072), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (372, 5913), (376, 5901), (397, 5838), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (455, 5721), (468, 5700),

Gene: Hyperion_53 Start: 41601, Stop: 41029, Start Num: 194
Candidate Starts for Hyperion_53:
(30, 42087), (56, 41916), (63, 41895), (68, 41886), (92, 41799), (109, 41751), (150, 41661), (Start: 194 @41601 has 73 MA's), (228, 41535), (319, 41397), (324, 41388), (331, 41370), (374, 41262), (379, 41247), (383, 41238), (400, 41181), (439, 41106), (455, 41076), (470, 41052),

Gene: Imvubu_3 Start: 3042, Stop: 2464, Start Num: 200
Candidate Starts for Imvubu_3:
(Start: 200 @3042 has 35 MA's), (258, 2937), (272, 2919), (297, 2868), (310, 2835), (333, 2793), (349, 2751), (372, 2700), (397, 2625), (432, 2544), (449, 2523), (455, 2508), (470, 2484),

Gene: Inchworm_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Inchworm_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Indlovu_7 Start: 5906, Stop: 5328, Start Num: 188
Candidate Starts for Indlovu_7:
(36, 6362), (46, 6290), (84, 6149), (86, 6143), (98, 6107), (179, 5927), (Start: 188 @5906 has 2 MA's), (Start: 199 @5885 has 359 MA's), (297, 5735), (298, 5732), (303, 5723), (307, 5711), (349, 5624), (358, 5600), (374, 5567), (376, 5561), (451, 5378),

Gene: Inspectinfecti_65 Start: 49553, Stop: 50200, Start Num: 191
Candidate Starts for Inspectinfecti_65:
(Start: 191 @49553 has 6 MA's), (Start: 238 @49631 has 85 MA's), (265, 49679), (275, 49694), (297, 49751), (303, 49763), (309, 49781), (331, 49823), (350, 49874), (376, 49940), (377, 49943), (399, 50009), (401, 50015), (432, 50087), (453, 50129), (462, 50150),

Gene: Inverness_6 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for Inverness_6:
(Start: 199 @3920 has 359 MA's), (Start: 218 @3875 has 20 MA's), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Iridessa_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Iridessa_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Iridoclysis_6 Start: 3922, Stop: 3368, Start Num: 199
Candidate Starts for Iridoclysis_6:
(Start: 199 @3922 has 359 MA's), (Start: 211 @3892 has 3 MA's), (Start: 218 @3877 has 20 MA's), (297, 3772), (333, 3697), (346, 3661), (349, 3655), (398, 3526), (400, 3517), (457, 3406),

Gene: IsaacEli_6 Start: 3915, Stop: 3361, Start Num: 199

Candidate Starts for IsaacEli_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: ItsyBitsy1_9 Start: 6465, Stop: 7040, Start Num: 199
Candidate Starts for ItsyBitsy1_9:
(123, 6330), (Start: 133 @6348 has 3 MA's), (136, 6351), (144, 6369), (Start: 146 @6372 has 1 MA's), (Start: 199 @6465 has 359 MA's), (228, 6522), (244, 6534), (260, 6564), (303, 6645), (306, 6654), (346, 6744), (347, 6747), (349, 6750), (366, 6786), (379, 6822), (383, 6831), (397, 6876), (398, 6879), (400, 6888), (429, 6948), (431, 6954), (432, 6957), (455, 6993), (470, 7017), (477, 7026),

Gene: JAMaL_6 Start: 5764, Stop: 5204, Start Num: 200
Candidate Starts for JAMaL_6:
(Start: 200 @5764 has 35 MA's), (297, 5608), (346, 5497), (349, 5491), (353, 5479), (358, 5467), (376, 5428), (377, 5425), (397, 5365), (427, 5299), (428, 5296), (432, 5284), (433, 5281), (451, 5254), (455, 5248),

Gene: JDog_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for JDog_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: JKSyngboy_65 Start: 50739, Stop: 51374, Start Num: 192
Candidate Starts for JKSyngboy_65:
(Start: 192 @50739 has 47 MA's), (202, 50751), (334, 50976), (350, 51015), (354, 51030), (370, 51060), (372, 51069), (375, 51078), (405, 51177), (438, 51258), (462, 51315),

Gene: Jabberwocky_67 Start: 52034, Stop: 52672, Start Num: 192
Candidate Starts for Jabberwocky_67:
(90, 51833), (105, 51878), (Start: 128 @51932 has 1 MA's), (Start: 157 @51980 has 5 MA's), (Start: 172 @52001 has 3 MA's), (Start: 192 @52034 has 47 MA's), (287, 52184), (334, 52274), (350, 52313), (354, 52328), (375, 52376), (377, 52382), (405, 52475), (438, 52556), (462, 52613),

Gene: JacAttac_6 Start: 3885, Stop: 3361, Start Num: 211
Candidate Starts for JacAttac_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Jackstina_7 Start: 5402, Stop: 4752, Start Num: 159
Candidate Starts for Jackstina_7:
(Start: 159 @5402 has 7 MA's), (Start: 199 @5330 has 359 MA's), (265, 5222), (281, 5195), (297, 5156), (310, 5123), (316, 5111), (384, 4958), (397, 4916), (414, 4883), (427, 4850), (455, 4799), (470, 4772),

Gene: JaguarMi_7 Start: 5906, Stop: 5340, Start Num: 200
Candidate Starts for JaguarMi_7:
(Start: 122 @6038 has 1 MA's), (132, 6020), (166, 5966), (171, 5960), (Start: 186 @5930 has 6 MA's), (Start: 200 @5906 has 35 MA's), (233, 5846), (280, 5792), (297, 5750), (333, 5669), (349, 5627), (358, 5603), (368, 5588), (376, 5564), (377, 5561), (397, 5501), (427, 5435), (428, 5432), (432, 5420), (433, 5417), (468, 5363),

Gene: JakeO_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for JakeO_6:

(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Jakelyne_39 Start: 22799, Stop: 23371, Start Num: 218
Candidate Starts for Jakelyne_39:
(126, 22637), (Start: 218 @22799 has 20 MA's), (242, 22823), (246, 22829), (300, 22943), (310, 22970), (321, 22991), (336, 23033), (343, 23048), (348, 23060), (365, 23102), (395, 23189), (397, 23195), (400, 23207), (428, 23261),

Gene: Jalammah_78 Start: 48811, Stop: 49401, Start Num: 225
Candidate Starts for Jalammah_78:
(Start: 225 @48811 has 73 MA's), (335, 49033), (339, 49045), (342, 49051), (362, 49096), (371, 49114), (376, 49132), (377, 49135), (389, 49174), (390, 49177), (432, 49303), (471, 49375),

Gene: Jambalaya_62 Start: 46938, Stop: 47537, Start Num: 225
Candidate Starts for Jambalaya_62:
(3, 45984), (4, 45990), (5, 45996), (6, 46002), (8, 46008), (10, 46032), (108, 46710), (Start: 225 @46938 has 73 MA's), (342, 47172), (383, 47268), (394, 47313), (422, 47370), (428, 47403), (431, 47412), (449, 47442), (453, 47454), (488, 47520),

Gene: Jane_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Jane_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: JangoPhett_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for JangoPhett_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: JasperJr_73 Start: 46646, Stop: 47236, Start Num: 225
Candidate Starts for JasperJr_73:
(83, 46373), (87, 46394), (Start: 225 @46646 has 73 MA's), (331, 46853), (335, 46868), (339, 46880), (342, 46886), (362, 46931), (371, 46949), (376, 46967), (377, 46970), (389, 47009), (390, 47012), (432, 47138), (471, 47210),

Gene: Jehoshaphat_55 Start: 42218, Stop: 41640, Start Num: 194
Candidate Starts for Jehoshaphat_55:
(80, 42461), (138, 42299), (Start: 194 @42218 has 73 MA's), (276, 42107), (324, 42002), (367, 41897), (383, 41852), (385, 41846), (397, 41807), (402, 41792), (428, 41738), (470, 41663),

Gene: Jeilious_51 Start: 36913, Stop: 37503, Start Num: 238
Candidate Starts for Jeilious_51:
(15, 36241), (16, 36244), (69, 36535), (109, 36664), (139, 36736), (208, 36859), (219, 36880), (Start: 225 @36886 has 73 MA's), (Start: 238 @36913 has 85 MA's), (265, 36961), (306, 37057), (317, 37084), (330, 37105), (332, 37111), (339, 37135), (376, 37222), (387, 37252), (394, 37285), (397, 37294), (410, 37333), (426, 37372), (432, 37399), (469, 37468),

Gene: JellyBelly_6 Start: 4909, Stop: 4358, Start Num: 196
Candidate Starts for JellyBelly_6:

(Start: 196 @4909 has 24 MA's), (263, 4828), (266, 4822), (279, 4804), (282, 4795), (331, 4693), (365, 4609), (383, 4564), (385, 4558), (397, 4519), (400, 4507), (402, 4504), (422, 4480), (427, 4453), (428, 4450), (474, 4378),

Gene: Jesabah_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Jesabah_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Jillium_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Jillium_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Jiminy_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Jiminy_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Jiraiya_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Jiraiya_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: JohnPork_66 Start: 47219, Stop: 47821, Start Num: 225
Candidate Starts for JohnPork_66:
(Start: 225 @47219 has 73 MA's), (344, 47459), (377, 47537), (383, 47552), (394, 47597), (400, 47618), (428, 47687), (429, 47690), (431, 47696), (449, 47726), (453, 47738), (473, 47774), (488, 47804),

Gene: Jolene_51 Start: 37076, Stop: 37666, Start Num: 238
Candidate Starts for Jolene_51:
(Start: 238 @37076 has 85 MA's), (265, 37124), (306, 37220), (330, 37268), (332, 37274), (339, 37298), (376, 37385), (387, 37415), (394, 37448), (397, 37457), (410, 37496), (426, 37535), (432, 37562), (469, 37631),

Gene: Jolie1_05 Start: 4719, Stop: 4141, Start Num: 200
Candidate Starts for Jolie1_05:
(Start: 200 @4719 has 35 MA's), (224, 4671), (272, 4596), (280, 4587), (297, 4545), (303, 4533), (315, 4503), (333, 4470), (349, 4428), (358, 4404), (377, 4362), (397, 4302), (400, 4290), (423, 4263), (432, 4221), (433, 4218), (449, 4200), (455, 4185), (470, 4161),

Gene: Jolie2_51 Start: 38020, Stop: 38622, Start Num: 238
Candidate Starts for Jolie2_51:
(136, 37849), (139, 37858), (165, 37903), (183, 37936), (Start: 238 @38020 has 85 MA's), (306, 38164), (332, 38218), (367, 38302), (376, 38329), (394, 38392), (397, 38401), (426, 38491), (432, 38518),

Gene: Jonghyun_49 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Jonghyun_49:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397,

37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: JorRay_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for JorRay_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: JoyceMaria_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for JoyceMaria_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: JrWilcox_109 Start: 59782, Stop: 60369, Start Num: 243
Candidate Starts for JrWilcox_109:
(181, 59659), (Start: 243 @59782 has 1 MA's), (306, 59902), (345, 59992), (367, 60037), (382, 60082), (394, 60127), (395, 60130), (398, 60139), (406, 60157), (417, 60160), (432, 60211), (447, 60235), (453, 60250),

Gene: JuJu_82 Start: 50269, Stop: 50862, Start Num: 222
Candidate Starts for JuJu_82:
(Start: 222 @50269 has 17 MA's), (335, 50494), (339, 50506), (342, 50512), (362, 50557), (371, 50575), (377, 50596), (390, 50638), (432, 50764), (471, 50836),

Gene: Judebell_56 Start: 41864, Stop: 41286, Start Num: 194
Candidate Starts for Judebell_56:
(Start: 194 @41864 has 73 MA's), (267, 41765), (276, 41753), (324, 41648), (383, 41498), (397, 41453), (402, 41438), (470, 41309),

Gene: JustASigh_69 Start: 44678, Stop: 45514, Start Num: 122
Candidate Starts for JustASigh_69:
(Start: 122 @44678 has 1 MA's), (201, 44810), (223, 44855), (232, 44867), (304, 45023), (311, 45044), (344, 45128), (362, 45170), (367, 45179), (392, 45257), (418, 45365), (420, 45368), (432, 45416), (438, 45425), (482, 45503),

Gene: KLucky39_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for KLucky39_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Kabocha_116 Start: 80669, Stop: 81244, Start Num: 245
Candidate Starts for Kabocha_116:
(Start: 245 @80669 has 14 MA's), (251, 80678), (259, 80699), (284, 80738), (310, 80816), (320, 80834), (331, 80864), (336, 80882), (360, 80942), (388, 81017), (408, 81080), (428, 81140), (440, 81164), (443, 81173),

Gene: Kahve_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Kahve_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Kailash_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Kailash_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Kaleb_9 Start: 6498, Stop: 7166, Start Num: 146
Candidate Starts for Kaleb_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (333, 6834), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Kamashten_67 Start: 51068, Stop: 51706, Start Num: 192
Candidate Starts for Kamashten_67:
(Start: 192 @51068 has 47 MA's), (287, 51218), (332, 51299), (334, 51308), (350, 51347), (354, 51362), (375, 51410), (405, 51509), (438, 51590), (462, 51647),

Gene: Kamiyu_8 Start: 5408, Stop: 4863, Start Num: 199
Candidate Starts for Kamiyu_8:
(Start: 159 @5480 has 7 MA's), (Start: 199 @5408 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: KappaFarmDelta_74 Start: 46258, Stop: 46848, Start Num: 225
Candidate Starts for KappaFarmDelta_74:
(Start: 225 @46258 has 73 MA's), (335, 46480), (339, 46492), (342, 46498), (362, 46543), (371, 46561), (376, 46579), (377, 46582), (389, 46621), (390, 46624), (432, 46750),

Gene: KarasumaRum_8 Start: 6203, Stop: 5637, Start Num: 200
Candidate Starts for KarasumaRum_8:
(25, 6839), (27, 6767), (33, 6701), (137, 6317), (166, 6263), (171, 6257), (Start: 186 @6227 has 6 MA's), (Start: 200 @6203 has 35 MA's), (297, 6044), (333, 5966), (349, 5924), (358, 5900), (372, 5873), (397, 5798), (398, 5795), (451, 5687), (455, 5681), (468, 5660), (477, 5648),

Gene: Kareem_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Kareem_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Kasen3_51 Start: 36900, Stop: 37490, Start Num: 238
Candidate Starts for Kasen3_51:
(15, 36228), (16, 36231), (69, 36522), (109, 36651), (139, 36723), (208, 36846), (219, 36867), (Start: 225 @36873 has 73 MA's), (Start: 238 @36900 has 85 MA's), (265, 36948), (306, 37044), (317, 37071), (330, 37092), (332, 37098), (339, 37122), (376, 37209), (387, 37239), (394, 37272), (397, 37281), (410, 37320), (426, 37359), (432, 37386), (469, 37455),

Gene: KayaCho_5 Start: 4722, Stop: 4144, Start Num: 200
Candidate Starts for KayaCho_5:
(Start: 200 @4722 has 35 MA's), (272, 4599), (280, 4590), (297, 4548), (315, 4506), (333, 4473), (349, 4431), (358, 4407), (372, 4380), (376, 4368), (377, 4365), (397, 4305), (400, 4293), (423, 4266), (427,

4239), (432, 4224), (433, 4221), (470, 4164),

Gene: Keitabear_67 Start: 52547, Stop: 53185, Start Num: 192
Candidate Starts for Keitabear_67:
(85, 52316), (90, 52340), (Start: 128 @52445 has 1 MA's), (Start: 157 @52493 has 5 MA's), (Start: 172 @52514 has 3 MA's), (Start: 192 @52547 has 47 MA's), (287, 52697), (334, 52787), (350, 52826), (354, 52841), (375, 52889), (377, 52895), (405, 52988), (438, 53069), (462, 53126),

Gene: Keitherie_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for Keitherie_6:
(Start: 199 @3914 has 359 MA's), (Start: 211 @3884 has 3 MA's), (Start: 218 @3869 has 20 MA's), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: Kelcole_59 Start: 42119, Stop: 41556, Start Num: 194
Candidate Starts for Kelcole_59:
(Start: 194 @42119 has 73 MA's), (295, 41975), (398, 41720), (400, 41711), (432, 41642), (470, 41579),

Gene: Kewpiedoll_67 Start: 51909, Stop: 52547, Start Num: 192
Candidate Starts for Kewpiedoll_67:
(85, 51678), (90, 51702), (Start: 128 @51807 has 1 MA's), (Start: 157 @51855 has 5 MA's), (Start: 172 @51876 has 3 MA's), (Start: 192 @51909 has 47 MA's), (240, 51984), (350, 52188), (354, 52203), (375, 52251), (405, 52350), (438, 52431), (462, 52488),

Gene: Kheth_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Kheth_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Kikipoo_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Kikipoo_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: KillerQueen_62 Start: 42369, Stop: 41806, Start Num: 194
Candidate Starts for KillerQueen_62:
(Start: 194 @42369 has 73 MA's), (295, 42225), (353, 42087), (398, 41970), (400, 41961), (432, 41892), (470, 41829),

Gene: Kimbrough_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Kimbrough_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: KimmyK_64 Start: 47529, Stop: 48128, Start Num: 225
Candidate Starts for KimmyK_64:
(Start: 225 @47529 has 73 MA's), (377, 47844), (383, 47859), (394, 47904), (422, 47961), (428, 47994), (431, 48003), (449, 48033), (453, 48045), (488, 48111),

Gene: Kinbote_72 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Kinbote_72:

(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: KingTut_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for KingTut_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: KingVeVeVe_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for KingVeVeVe_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: Kiwot_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Kiwot_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: KlimbOn_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for KlimbOn_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Kloppinator_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Kloppinator_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Knocker_12 Start: 8689, Stop: 8117, Start Num: 195
Candidate Starts for Knocker_12:
(20, 9412), (35, 9166), (40, 9124), (44, 9094), (62, 9013), (73, 8980), (81, 8956), (88, 8923), (89, 8920), (106, 8872), (115, 8842), (129, 8809), (134, 8800), (137, 8797), (140, 8788), (163, 8749), (Start: 169 @8740 has 1 MA's), (Start: 195 @8689 has 6 MA's), (Start: 200 @8680 has 35 MA's), (230, 8623), (272, 8572), (280, 8563), (297, 8521), (331, 8452), (349, 8404), (353, 8392), (364, 8371), (372, 8353), (374, 8347), (377, 8338), (397, 8278), (399, 8272), (432, 8197), (449, 8176), (455, 8161), (468, 8140),

Gene: Kolhan_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Kolhan_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (136, 6360), (142, 6372), (144, 6378), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Kronus_7 Start: 6024, Stop: 5473, Start Num: 199
Candidate Starts for Kronus_7:
(Start: 157 @6099 has 5 MA's), (167, 6081), (Start: 199 @6024 has 359 MA's), (265, 5943), (281, 5916), (297, 5877), (310, 5844), (316, 5832), (384, 5679), (397, 5637), (414, 5604), (427, 5571), (455, 5520), (470, 5493),

Gene: Kroos_66 Start: 50537, Stop: 51172, Start Num: 192
Candidate Starts for Kroos_66:

(Start: 192 @50537 has 47 MA's), (287, 50684), (334, 50774), (350, 50813), (374, 50873), (377, 50882), (405, 50975), (445, 51074),

Gene: Kwadwo_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Kwadwo_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Kwekel_62 Start: 45669, Stop: 46295, Start Num: 194
Candidate Starts for Kwekel_62:
(Start: 194 @45669 has 73 MA's), (226, 45726), (275, 45810), (315, 45882), (331, 45912), (371, 46011), (401, 46113), (428, 46173), (453, 46227), (460, 46242),

Gene: Kwksand96_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Kwksand96_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Kwobi_70 Start: 51148, Stop: 51783, Start Num: 192
Candidate Starts for Kwobi_70:
(Start: 192 @51148 has 47 MA's), (334, 51385), (350, 51424), (354, 51439), (370, 51469), (372, 51478), (375, 51487), (405, 51586), (428, 51646), (445, 51685),

Gene: Kyva_56 Start: 42015, Stop: 41443, Start Num: 194
Candidate Starts for Kyva_56:
(141, 42102), (Start: 194 @42015 has 73 MA's), (228, 41949), (319, 41811), (324, 41802), (331, 41784), (374, 41676), (383, 41652), (397, 41607), (400, 41595), (439, 41520), (455, 41490), (470, 41466),

Gene: Labeouficaum_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Labeouficaum_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Lambano_6 Start: 5143, Stop: 4583, Start Num: 200
Candidate Starts for Lambano_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Lars_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Lars_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Larson_7 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Larson_7:
(Start: 199 @3917 has 359 MA's), (Start: 211 @3887 has 3 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: LasagnaCat_6 Start: 3915, Stop: 3361, Start Num: 199

Candidate Starts for LasagnaCat_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Lasso_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Lasso_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Laurie_9 Start: 6475, Stop: 7050, Start Num: 199
Candidate Starts for Laurie_9:
(Start: 199 @6475 has 359 MA's), (Start: 245 @6547 has 14 MA's), (260, 6574), (303, 6655), (306, 6664), (346, 6754), (347, 6757), (349, 6760), (366, 6796), (379, 6832), (383, 6841), (397, 6886), (398, 6889), (400, 6898), (428, 6955), (429, 6958), (431, 6964), (432, 6967), (455, 7003), (470, 7027), (477, 7036),

Gene: LeeLot_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for LeeLot_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Lego3393_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Lego3393_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Legolas_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Legolas_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: LeiMonet_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for LeiMonet_6:
(Start: 199 @3914 has 359 MA's), (Start: 218 @3869 has 20 MA's), (226, 3860), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: LemonSlice_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for LemonSlice_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Lemuria_53 Start: 39211, Stop: 39813, Start Num: 236
Candidate Starts for Lemuria_53:
(202, 39169), (Start: 236 @39211 has 1 MA's), (277, 39277), (306, 39355), (332, 39409), (339, 39433), (367, 39493), (376, 39520), (387, 39550), (394, 39583), (397, 39592), (432, 39709),

Gene: Lennon_68 Start: 52663, Stop: 53334, Start Num: 172
Candidate Starts for Lennon_68:
(85, 52465), (90, 52489), (Start: 128 @52594 has 1 MA's), (Start: 157 @52642 has 5 MA's), (Start: 172 @52663 has 3 MA's), (Start: 192 @52696 has 47 MA's), (287, 52846), (334, 52936), (350, 52975), (354, 52990), (375, 53038), (377, 53044), (405, 53137), (438, 53218), (462, 53275),

Gene: Lenoshki_111 Start: 80639, Stop: 81214, Start Num: 245

Candidate Starts for Lenoshki_111:
(Start: 245 @80639 has 14 MA's), (251, 80648), (284, 80708), (310, 80786), (320, 80804), (331, 80834), (336, 80852), (360, 80912), (388, 80987), (408, 81050), (428, 81110), (440, 81134), (443, 81143),

Gene: Leonard_64 Start: 49616, Stop: 50263, Start Num: 191
Candidate Starts for Leonard_64:
(Start: 191 @49616 has 6 MA's), (Start: 238 @49694 has 85 MA's), (265, 49742), (275, 49757), (297, 49814), (303, 49826), (309, 49844), (331, 49886), (350, 49937), (376, 50003), (377, 50006), (399, 50072), (401, 50078), (432, 50150), (453, 50192), (462, 50213),

Gene: Lephleur_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Lephleur_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: LestyG_8 Start: 5417, Stop: 4866, Start Num: 199
Candidate Starts for LestyG_8:
(Start: 159 @5489 has 7 MA's), (Start: 199 @5417 has 359 MA's), (265, 5336), (281, 5309), (297, 5270), (310, 5237), (316, 5225), (384, 5072), (397, 5030), (414, 4997), (427, 4964), (455, 4913), (470, 4886),

Gene: Liefie_50 Start: 37020, Stop: 37610, Start Num: 238
Candidate Starts for Liefie_50:
(113, 36801), (114, 36804), (Start: 238 @37020 has 85 MA's), (265, 37068), (306, 37164), (317, 37191), (330, 37212), (332, 37218), (339, 37242), (376, 37329), (387, 37359), (394, 37392), (397, 37401), (410, 37440), (426, 37479), (432, 37506), (469, 37575),

Gene: Ligma_6 Start: 4904, Stop: 4362, Start Num: 196
Candidate Starts for Ligma_6:
(31, 5378), (61, 5207), (Start: 196 @4904 has 24 MA's), (226, 4850), (279, 4811), (331, 4697), (385, 4565), (397, 4526), (400, 4514), (402, 4511), (422, 4487), (427, 4460), (456, 4406), (474, 4382),

Gene: LilCahh_52 Start: 41288, Stop: 40710, Start Num: 194
Candidate Starts for LilCahh_52:
(78, 41540), (80, 41531), (138, 41369), (Start: 194 @41288 has 73 MA's), (276, 41177), (324, 41072), (367, 40967), (383, 40922), (385, 40916), (397, 40877), (402, 40862), (428, 40808), (470, 40733),

Gene: LilHam_61 Start: 47760, Stop: 48395, Start Num: 194
Candidate Starts for LilHam_61:
(104, 47580), (148, 47682), (Start: 194 @47760 has 73 MA's), (287, 47907), (334, 47997), (350, 48036), (354, 48051), (374, 48096), (377, 48105), (394, 48165), (405, 48198), (445, 48297),

Gene: LilHazelnut_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for LilHazelnut_74:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: LilMcDreamy_8 Start: 6993, Stop: 6421, Start Num: 200

Candidate Starts for LilMcDreamy_8:
(Start: 200 @6993 has 35 MA's), (258, 6897), (297, 6828), (333, 6750), (349, 6708), (353, 6696), (358, 6684), (372, 6657), (374, 6651), (400, 6570), (432, 6501), (455, 6465),

Gene: LilSmirk_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for LilSmirk_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Lilbeanie_66 Start: 45819, Stop: 46490, Start Num: 189
Candidate Starts for Lilbeanie_66:
(164, 45774), (182, 45807), (Start: 189 @45819 has 1 MA's), (332, 46077), (338, 46098), (342, 46107), (375, 46188), (405, 46287), (418, 46317), (432, 46368), (458, 46422), (490, 46482),

Gene: LittleDigger_6 Start: 5153, Stop: 4584, Start Num: 195
Candidate Starts for LittleDigger_6:
(Start: 195 @5153 has 6 MA's), (Start: 200 @5144 has 35 MA's), (297, 4988), (331, 4919), (346, 4877), (349, 4871), (353, 4859), (397, 4745), (414, 4712), (427, 4679), (428, 4676), (432, 4664), (433, 4661), (455, 4628), (468, 4607),

Gene: LittleMinkey_12 Start: 5267, Stop: 4686, Start Num: 199
Candidate Starts for LittleMinkey_12:
(Start: 188 @5288 has 2 MA's), (Start: 194 @5276 has 73 MA's), (Start: 199 @5267 has 359 MA's), (204, 5258), (260, 5174), (269, 5159), (297, 5102), (333, 5024), (335, 5015), (349, 4982), (358, 4958), (397, 4847), (398, 4844), (455, 4730), (470, 4706),

Gene: LittleMunchkin_7 Start: 6182, Stop: 5655, Start Num: 196
Candidate Starts for LittleMunchkin_7:
(45, 6563), (61, 6491), (183, 6197), (Start: 196 @6182 has 24 MA's), (Start: 218 @6137 has 20 MA's), (224, 6131), (282, 6098), (302, 6056), (322, 6014), (331, 5993), (332, 5990), (358, 5921), (383, 5867), (385, 5861), (397, 5822), (402, 5807), (422, 5783), (427, 5756), (432, 5741),

Gene: LizLemon_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for LizLemon_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Llemily_53 Start: 40994, Stop: 40416, Start Num: 194
Candidate Starts for Llemily_53:
(80, 41237), (138, 41075), (Start: 194 @40994 has 73 MA's), (276, 40883), (324, 40778), (367, 40673), (383, 40628), (385, 40622), (397, 40583), (402, 40568), (428, 40514), (470, 40439),

Gene: Lolalove_7 Start: 6249, Stop: 5677, Start Num: 195
Candidate Starts for Lolalove_7:
(166, 6300), (Start: 174 @6291 has 4 MA's), (Start: 195 @6249 has 6 MA's), (Start: 200 @6240 has 35 MA's), (297, 6084), (303, 6072), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (372, 5913), (376, 5901), (397, 5838), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (455, 5721), (468, 5700),

Gene: Lonelysoil_52 Start: 41197, Stop: 40625, Start Num: 194
Candidate Starts for Lonelysoil_52:
(150, 41257), (Start: 194 @41197 has 73 MA's), (228, 41131), (319, 40993), (324, 40984), (331, 40966), (374, 40858), (379, 40843), (383, 40834), (397, 40789), (400, 40777), (439, 40702), (455, 40672), (470, 40648),

Gene: Longacauda_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Longacauda_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Lopsy_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Lopsy_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Losacky_38 Start: 22833, Stop: 23396, Start Num: 218
Candidate Starts for Losacky_38:
(126, 22662), (Start: 218 @22833 has 20 MA's), (228, 22845), (246, 22863), (300, 22968), (315, 23004), (316, 23007), (336, 23058), (343, 23073), (348, 23085), (363, 23124), (395, 23214), (397, 23220), (400, 23232), (428, 23286), (441, 23313),

Gene: LostAndPhound_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for LostAndPhound_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: LouisV14_53 Start: 39179, Stop: 39769, Start Num: 238
Candidate Starts for LouisV14_53:
(15, 38507), (16, 38510), (69, 38801), (109, 38930), (139, 39002), (208, 39125), (219, 39146), (Start: 225 @39152 has 73 MA's), (Start: 238 @39179 has 85 MA's), (265, 39227), (306, 39323), (317, 39350), (330, 39371), (332, 39377), (339, 39401), (376, 39488), (387, 39518), (394, 39551), (397, 39560), (410, 39599), (426, 39638), (432, 39665), (469, 39734),

Gene: Love_73 Start: 52438, Stop: 53076, Start Num: 192
Candidate Starts for Love_73:
(Start: 192 @52438 has 47 MA's), (287, 52588), (334, 52678), (350, 52717), (354, 52732), (375, 52780), (377, 52786), (394, 52846), (405, 52879), (438, 52960), (462, 53017),

Gene: LuckyMarjie_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for LuckyMarjie_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: LuckySocke_173 Start: 89440, Stop: 89928, Start Num: 220
Candidate Starts for LuckySocke_173:
(Start: 220 @89440 has 7 MA's), (298, 89575), (307, 89596), (309, 89602), (333, 89656), (349, 89698), (359, 89725), (397, 89824), (432, 89905),

Gene: Luke_71 Start: 48119, Stop: 48811, Start Num: 178
Candidate Starts for Luke_71:
(70, 47882), (Start: 178 @48119 has 10 MA's), (181, 48128), (206, 48170), (Start: 222 @48200 has 17 MA's), (266, 48281), (303, 48365), (311, 48389), (316, 48398), (332, 48428), (344, 48461), (372,

48527), (385, 48563), (396, 48617), (403, 48641), (405, 48644), (421, 48659), (427, 48686), (432, 48701), (438, 48710), (449, 48728), (455, 48743),

Gene: Lulumae_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Lulumae_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Lulwa_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Lulwa_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Lumine_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Lumine_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Luna22_67 Start: 48148, Stop: 48840, Start Num: 178
Candidate Starts for Luna22_67:
(70, 47911), (Start: 178 @48148 has 10 MA's), (181, 48157), (206, 48199), (Start: 222 @48229 has 17 MA's), (266, 48310), (303, 48394), (311, 48418), (316, 48427), (332, 48457), (344, 48490), (372, 48556), (385, 48592), (396, 48646), (403, 48670), (405, 48673), (421, 48688), (427, 48715), (432, 48730), (438, 48739), (449, 48757), (455, 48772),

Gene: Lysidious_76 Start: 47074, Stop: 47670, Start Num: 222
Candidate Starts for Lysidious_76:
(145, 46966), (Start: 157 @46984 has 5 MA's), (Start: 190 @47026 has 2 MA's), (Start: 222 @47074 has 17 MA's), (335, 47299), (339, 47311), (342, 47317), (376, 47398), (377, 47401), (390, 47443), (432, 47569),

Gene: MOOREtheMARYer_53 Start: 38622, Stop: 39209, Start Num: 238
Candidate Starts for MOOREtheMARYer_53:
(34, 38118), (124, 38466), (147, 38505), (Start: 238 @38622 has 85 MA's), (265, 38670), (309, 38775), (331, 38817), (332, 38820), (394, 38994), (395, 38997), (397, 39003), (426, 39078), (432, 39105), (441, 39120),

Gene: MRabcd_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for MRabcd_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: MZKinsey_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for MZKinsey_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Mag7_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Mag7_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Magic8_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Magic8_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Magpie_7 Start: 6237, Stop: 5677, Start Num: 200
Candidate Starts for Magpie_7:
(Start: 122 @6369 has 1 MA's), (132, 6351), (166, 6297), (171, 6291), (Start: 186 @6261 has 6 MA's), (Start: 200 @6237 has 35 MA's), (297, 6081), (303, 6069), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (358, 5940), (372, 5913), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (451, 5727), (455, 5721), (468, 5700),

Gene: Maih_59 Start: 48773, Stop: 49363, Start Num: 229
Candidate Starts for Maih_59:
(161, 48650), (Start: 229 @48773 has 11 MA's), (272, 48824), (284, 48848), (292, 48875), (303, 48899), (316, 48932), (331, 48959), (332, 48962), (342, 48992), (358, 49031), (367, 49046), (376, 49073), (377, 49076), (403, 49166), (416, 49181), (419, 49187), (432, 49235), (450, 49265), (467, 49301),

Gene: MakoManhole_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for MakoManhole_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (449, 5886), (480, 5832),

Gene: Malachai_73 Start: 48471, Stop: 49061, Start Num: 225
Candidate Starts for Malachai_73:
(83, 48171), (87, 48192), (Start: 225 @48471 has 73 MA's), (335, 48693), (339, 48705), (342, 48711), (362, 48756), (371, 48774), (376, 48792), (377, 48795), (389, 48834), (390, 48837), (432, 48963),

Gene: Maliketh_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Maliketh_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Mana_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Mana_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Manad_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Manad_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Marcie_66 Start: 43018, Stop: 42455, Start Num: 194
Candidate Starts for Marcie_66:
(Start: 194 @43018 has 73 MA's), (295, 42874), (398, 42619), (400, 42610), (432, 42541), (470, 42478),

Gene: Mariel_38 Start: 23134, Stop: 23700, Start Num: 218
Candidate Starts for Mariel_38:
(102, 22897), (126, 22972), (Start: 218 @23134 has 20 MA's), (246, 23161), (310, 23299), (321, 23320), (324, 23326), (343, 23377), (348, 23389), (365, 23431), (395, 23518), (397, 23524), (400, 23536), (428, 23590), (446, 23626),

Gene: Mariokart_6 Start: 4909, Stop: 4358, Start Num: 196
Candidate Starts for Mariokart_6:
(Start: 196 @4909 has 24 MA's), (263, 4828), (266, 4822), (279, 4804), (282, 4795), (331, 4693), (365, 4609), (383, 4564), (385, 4558), (397, 4519), (400, 4507), (402, 4504), (422, 4480), (427, 4453), (428, 4450), (474, 4378),

Gene: Marley1013_8 Start: 6203, Stop: 5625, Start Num: 199
Candidate Starts for Marley1013_8:
(Start: 159 @6275 has 7 MA's), (Start: 199 @6203 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Marlia_8 Start: 5408, Stop: 4863, Start Num: 199
Candidate Starts for Marlia_8:
(Start: 159 @5480 has 7 MA's), (Start: 199 @5408 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Marmie_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Marmie_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Maru_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Maru_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Mashley_52 Start: 41380, Stop: 40808, Start Num: 194
Candidate Starts for Mashley_52:
(63, 41674), (68, 41665), (92, 41578), (109, 41530), (150, 41440), (Start: 194 @41380 has 73 MA's), (228, 41314), (319, 41176), (324, 41167), (331, 41149), (374, 41041), (379, 41026), (383, 41017), (397, 40972), (400, 40960), (439, 40885), (455, 40855), (470, 40831),

Gene: MasterPo_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for MasterPo_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (136, 6360), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Matalotodo_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Matalotodo_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: McCrothy_67 Start: 52527, Stop: 53165, Start Num: 192
Candidate Starts for McCrothy_67:
(Start: 192 @52527 has 47 MA's), (287, 52677), (334, 52767), (350, 52806), (354, 52821), (375, 52869), (377, 52875), (405, 52968), (438, 53049), (462, 53106),

Gene: McKinley_69 Start: 51576, Stop: 52214, Start Num: 192
Candidate Starts for McKinley_69:
(32, 51108), (43, 51195), (49, 51231), (Start: 128 @51474 has 1 MA's), (Start: 157 @51522 has 5 MA's), (Start: 172 @51543 has 3 MA's), (Start: 192 @51576 has 47 MA's), (287, 51726), (334, 51816), (350, 51855), (354, 51870), (375, 51918), (377, 51924), (405, 52017), (438, 52098), (462, 52155),

Gene: Mcshane_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Mcshane_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Mecca_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Mecca_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Megamind20_7 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Megamind20_7:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Megatron_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Megatron_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: MelBins_67 Start: 50181, Stop: 50828, Start Num: 194
Candidate Starts for MelBins_67:
(Start: 194 @50181 has 73 MA's), (Start: 238 @50259 has 85 MA's), (265, 50307), (275, 50322), (297, 50379), (303, 50391), (350, 50502), (376, 50568), (377, 50571), (399, 50637), (401, 50643), (432, 50715), (453, 50757), (462, 50778),

Gene: Melba_74 Start: 45340, Stop: 45930, Start Num: 225
Candidate Starts for Melba_74:
(83, 45037), (87, 45058), (Start: 225 @45340 has 73 MA's), (335, 45562), (339, 45574), (342, 45580), (376, 45661), (377, 45664), (390, 45706), (432, 45832),

Gene: Melc17_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Melc17_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Mellie_72 Start: 45623, Stop: 46213, Start Num: 225
Candidate Starts for Mellie_72:
(38, 45134), (49, 45209), (76, 45299), (Start: 225 @45623 has 73 MA's), (266, 45698), (335, 45845), (339, 45857), (342, 45863), (376, 45944), (390, 45989), (432, 46115), (471, 46187),

Gene: MelsMeow_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for MelsMeow_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: MenE_38 Start: 22713, Stop: 23276, Start Num: 218
Candidate Starts for MenE_38:
(Start: 218 @22713 has 20 MA's), (228, 22725), (246, 22743), (288, 22806), (300, 22848), (315, 22884), (316, 22887), (336, 22938), (343, 22953), (348, 22965), (360, 22998), (363, 23004), (395, 23094), (397, 23100), (400, 23112), (428, 23166),

Gene: Mentos_56 Start: 42766, Stop: 42194, Start Num: 194
Candidate Starts for Mentos_56:
(141, 42853), (Start: 194 @42766 has 73 MA's), (228, 42700), (319, 42562), (324, 42553), (331, 42535), (374, 42427), (379, 42412), (383, 42403), (397, 42358), (400, 42346), (439, 42271), (455, 42241), (470, 42217),

Gene: Mercurio_53 Start: 39622, Stop: 40209, Start Num: 238
Candidate Starts for Mercurio_53:
(42, 39133), (212, 39583), (Start: 225 @39598 has 73 MA's), (Start: 238 @39622 has 85 MA's), (265, 39670), (268, 39676), (306, 39766), (332, 39820), (340, 39841), (376, 39928), (394, 39991), (397, 40000), (432, 40105), (469, 40174), (485, 40201),

Gene: Mesh1_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Mesh1_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Mesmerelda_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Mesmerelda_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: MichaelPhcott_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for MichaelPhcott_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Mikota_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Mikota_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Mikronejon_116 Start: 79206, Stop: 79781, Start Num: 245
Candidate Starts for Mikronejon_116:
(Start: 245 @79206 has 14 MA's), (251, 79215), (259, 79236), (284, 79275), (310, 79353), (320, 79371), (331, 79401), (336, 79419), (360, 79479), (388, 79554), (408, 79617), (428, 79677), (440, 79701), (443, 79710),

Gene: Mila11_56 Start: 42848, Stop: 42276, Start Num: 194
Candidate Starts for Mila11_56:
(30, 43334), (56, 43163), (150, 42908), (Start: 194 @42848 has 73 MA's), (228, 42782), (319, 42644), (324, 42635), (331, 42617), (374, 42509), (379, 42494), (383, 42485), (397, 42440), (400, 42428),

(439, 42353), (455, 42323), (470, 42299),

Gene: MiniBoss_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for MiniBoss_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Minnow_5 Start: 4722, Stop: 4144, Start Num: 200
Candidate Starts for Minnow_5:
(Start: 200 @4722 has 35 MA's), (272, 4599), (280, 4590), (297, 4548), (315, 4506), (333, 4473), (349, 4431), (358, 4407), (372, 4380), (376, 4368), (377, 4365), (397, 4305), (400, 4293), (423, 4266), (427, 4239), (432, 4224), (433, 4221), (470, 4164),

Gene: MintFen_75 Start: 45842, Stop: 46432, Start Num: 225
Candidate Starts for MintFen_75:
(83, 45569), (87, 45590), (Start: 225 @45842 has 73 MA's), (331, 46049), (335, 46064), (339, 46076), (342, 46082), (362, 46127), (371, 46145), (376, 46163), (377, 46166), (389, 46205), (390, 46208), (432, 46334), (471, 46406),

Gene: MintFritos_112 Start: 79684, Stop: 80259, Start Num: 245
Candidate Starts for MintFritos_112:
(Start: 245 @79684 has 14 MA's), (251, 79693), (259, 79714), (284, 79753), (310, 79831), (320, 79849), (331, 79879), (336, 79897), (360, 79957), (388, 80032), (408, 80095), (428, 80155), (440, 80179), (443, 80188),

Gene: Mischief19_67 Start: 58954, Stop: 59559, Start Num: 229
Candidate Starts for Mischief19_67:
(182, 58867), (Start: 229 @58954 has 11 MA's), (Start: 238 @58978 has 85 MA's), (242, 58987), (285, 59062), (309, 59128), (333, 59176), (358, 59242), (360, 59245), (367, 59257), (385, 59308), (394, 59347), (419, 59398), (426, 59419), (432, 59446),

Gene: MissRona_80 Start: 50047, Stop: 50631, Start Num: 225
Candidate Starts for MissRona_80:
(1, 48946), (2, 48967), (7, 49162), (12, 49204), (14, 49222), (21, 49342), (38, 49609), (54, 49705), (Start: 225 @50047 has 73 MA's), (270, 50128), (273, 50131), (304, 50200), (331, 50251), (332, 50254), (333, 50257), (350, 50296), (357, 50317), (389, 50404), (397, 50443), (400, 50455), (411, 50464), (432, 50524), (449, 50551),

Gene: MitKao_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for MitKao_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Mithril_7 Start: 6294, Stop: 5680, Start Num: 174
Candidate Starts for Mithril_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (358, 5943), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: MmasiCarm_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for MmasiCarm_8:

(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: MoontowerMania_68 Start: 52546, Stop: 53184, Start Num: 192
Candidate Starts for MoontowerMania_68:
(Start: 192 @52546 has 47 MA's), (287, 52696), (334, 52786), (350, 52825), (354, 52840), (375, 52888), (377, 52894), (394, 52954), (405, 52987), (438, 53068), (462, 53125),

Gene: Morgushi_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Morgushi_6:
(Start: 199 @3916 has 359 MA's), (Start: 211 @3886 has 3 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: MorillMayhem_54 Start: 41725, Stop: 41153, Start Num: 194
Candidate Starts for MorillMayhem_54:
(30, 42211), (56, 42040), (150, 41785), (Start: 194 @41725 has 73 MA's), (228, 41659), (319, 41521), (324, 41512), (331, 41494), (374, 41386), (379, 41371), (383, 41362), (397, 41317), (400, 41305), (439, 41230), (455, 41200), (470, 41176),

Gene: Mortcellus_7 Start: 6051, Stop: 5473, Start Num: 199
Candidate Starts for Mortcellus_7:
(Start: 159 @6123 has 7 MA's), (Start: 199 @6051 has 359 MA's), (265, 5943), (281, 5916), (297, 5877), (310, 5844), (316, 5832), (384, 5679), (397, 5637), (414, 5604), (427, 5571), (455, 5520), (470, 5493),

Gene: Morty_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Morty_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Morty007_8 Start: 6203, Stop: 5625, Start Num: 199
Candidate Starts for Morty007_8:
(Start: 159 @6275 has 7 MA's), (Start: 199 @6203 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Mosaic_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Mosaic_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: MossRose_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for MossRose_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (449, 5886), (480, 5832),

Gene: Mowgli_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Mowgli_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397,

37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Mudslide_7 Start: 6237, Stop: 5677, Start Num: 200
Candidate Starts for Mudslide_7:
(132, 6357), (135, 6354), (Start: 200 @6237 has 35 MA's), (297, 6081), (303, 6069), (306, 6060), (331, 6012), (349, 5964), (353, 5952), (358, 5940), (372, 5913), (376, 5901), (414, 5805), (427, 5772), (432, 5757), (433, 5754), (455, 5721), (468, 5700),

Gene: Mulan_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Mulan_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Mulaychimus_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Mulaychimus_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Murdoc_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Murdoc_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Murp_73 Start: 48722, Stop: 49312, Start Num: 225
Candidate Starts for Murp_73:
(38, 48254), (76, 48419), (Start: 225 @48722 has 73 MA's), (335, 48944), (339, 48956), (342, 48962), (362, 49007), (371, 49025), (376, 49043), (377, 49046), (390, 49088), (432, 49214),

Gene: Mutante_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Mutante_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Mutzi_62 Start: 48367, Stop: 48966, Start Num: 225
Candidate Starts for Mutzi_62:
(Start: 225 @48367 has 73 MA's), (377, 48682), (383, 48697), (394, 48742), (422, 48799), (428, 48832), (431, 48841), (449, 48871), (453, 48883), (473, 48919), (488, 48949),

Gene: Mysterious_8 Start: 6489, Stop: 5926, Start Num: 200
Candidate Starts for Mysterious_8:
(Start: 200 @6489 has 35 MA's), (230, 6432), (297, 6333), (333, 6255), (349, 6213), (358, 6189), (372, 6162), (376, 6150), (397, 6087), (400, 6075), (423, 6048), (451, 5976), (455, 5970), (468, 5949),

Gene: NCRodriguez_38 Start: 22872, Stop: 23453, Start Num: 218
Candidate Starts for NCRodriguez_38:
(Start: 218 @22872 has 20 MA's), (246, 22902), (300, 23025), (310, 23052), (321, 23073), (336, 23115), (343, 23130), (348, 23142), (365, 23184), (395, 23271), (397, 23277), (400, 23289), (428, 23343),

Gene: NHagos_6 Start: 4853, Stop: 4311, Start Num: 196
Candidate Starts for NHagos_6:

(Start: 196 @4853 has 24 MA's), (224, 4802), (281, 4754), (333, 4643), (369, 4559), (372, 4550), (374, 4544), (383, 4520), (397, 4475), (402, 4460), (432, 4391),

Gene: Nacho_006 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Nacho_006:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Namago_54 Start: 41139, Stop: 40564, Start Num: 186
Candidate Starts for Namago_54:
(Start: 186 @41139 has 6 MA's), (228, 41070), (319, 40932), (324, 40923), (331, 40905), (374, 40797), (379, 40782), (383, 40773), (397, 40728), (400, 40716), (439, 40641), (455, 40611), (470, 40587),

Gene: Nanao_6 Start: 5152, Stop: 4583, Start Num: 195
Candidate Starts for Nanao_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Nangang_8 Start: 6203, Stop: 5640, Start Num: 200
Candidate Starts for Nangang_8:
(Start: 200 @6203 has 35 MA's), (230, 6146), (297, 6047), (333, 5969), (349, 5927), (358, 5903), (376, 5864), (397, 5801), (398, 5798), (400, 5789), (423, 5762), (451, 5690), (455, 5684), (468, 5663), (477, 5651),

Gene: Nathan_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Nathan_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Natkenzie_66 Start: 50003, Stop: 50650, Start Num: 194
Candidate Starts for Natkenzie_66:
(110, 49841), (112, 49847), (118, 49865), (164, 49952), (Start: 194 @50003 has 73 MA's), (Start: 238 @50081 has 85 MA's), (261, 50123), (265, 50129), (303, 50195), (313, 50213), (350, 50297), (354, 50312), (380, 50372), (383, 50381), (401, 50447), (405, 50456), (441, 50534), (453, 50561), (493, 50639),

Gene: Nehemiah_7 Start: 6489, Stop: 5926, Start Num: 200
Candidate Starts for Nehemiah_7:
(Start: 200 @6489 has 35 MA's), (230, 6432), (297, 6333), (333, 6255), (349, 6213), (358, 6189), (372, 6162), (376, 6150), (397, 6087), (400, 6075), (423, 6048), (451, 5976), (455, 5970), (468, 5949),

Gene: Nehme_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Nehme_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Neoh_52 Start: 37352, Stop: 37942, Start Num: 238
Candidate Starts for Neoh_52:
(15, 36680), (16, 36683), (69, 36974), (109, 37103), (139, 37175), (208, 37298), (219, 37319), (Start: 225 @37325 has 73 MA's), (Start: 238 @37352 has 85 MA's), (265, 37400), (306, 37496), (317, 37523), (330, 37544), (332, 37550), (339, 37574), (376, 37661), (387, 37691), (394, 37724), (397, 37733), (410, 37772), (426, 37811), (432, 37838), (469, 37907),

Gene: Neos5_8 Start: 6203, Stop: 5625, Start Num: 199
Candidate Starts for Neos5_8:
(Start: 159 @6275 has 7 MA's), (Start: 199 @6203 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Newman_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Newman_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: NiaNia_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for NiaNia_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Nicole21_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Nicole21_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Nigel_5 Start: 4707, Stop: 4126, Start Num: 200
Candidate Starts for Nigel_5:
(Start: 199 @4710 has 359 MA's), (Start: 200 @4707 has 35 MA's), (258, 4602), (262, 4599), (280, 4575), (297, 4533), (303, 4521), (333, 4455), (349, 4413), (353, 4401), (397, 4287), (432, 4206), (433, 4203), (455, 4170), (468, 4149),

Gene: Nike_54 Start: 41918, Stop: 41343, Start Num: 194
Candidate Starts for Nike_54:
(141, 42005), (Start: 194 @41918 has 73 MA's), (228, 41852), (319, 41711), (324, 41702), (331, 41684), (374, 41576), (379, 41561), (383, 41552), (397, 41507), (400, 41495), (439, 41420), (455, 41390), (470, 41366),

Gene: Nordenberg_67 Start: 50558, Stop: 51196, Start Num: 192
Candidate Starts for Nordenberg_67:
(Start: 192 @50558 has 47 MA's), (287, 50708), (334, 50798), (350, 50837), (354, 50852), (375, 50900), (377, 50906), (405, 50999), (438, 51080), (462, 51137),

Gene: Nova1_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Nova1_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: NovoPizza_79 Start: 50384, Stop: 51010, Start Num: 213
Candidate Starts for NovoPizza_79:
(18, 49607), (50, 49991), (55, 50015), (77, 50075), (82, 50096), (Start: 128 @50231 has 1 MA's), (138, 50246), (152, 50273), (154, 50276), (Start: 213 @50384 has 1 MA's), (Start: 222 @50399 has 17 MA's), (252, 50453), (311, 50588), (321, 50606), (332, 50627), (344, 50660), (360, 50699), (372, 50726), (385, 50762), (387, 50768), (391, 50786), (400, 50831), (403, 50840), (405, 50843), (417, 50852), (432, 50900), (438, 50909), (445, 50921), (449, 50927),

Gene: Nozo_8 Start: 6176, Stop: 5625, Start Num: 199

Candidate Starts for Nozo_8:
(Start: 157 @6251 has 5 MA's), (167, 6233), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Nubi_63 Start: 46738, Stop: 47337, Start Num: 225
Candidate Starts for Nubi_63:
(Start: 225 @46738 has 73 MA's), (377, 47053), (383, 47068), (394, 47113), (422, 47170), (428, 47203), (431, 47212), (449, 47242), (453, 47254), (488, 47320),

Gene: Numberten_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Numberten_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Nyala_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Nyala_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: OBUpride_73 Start: 48289, Stop: 48900, Start Num: 222
Candidate Starts for OBUpride_73:
(70, 47971), (Start: 178 @48208 has 10 MA's), (181, 48217), (206, 48259), (Start: 222 @48289 has 17 MA's), (266, 48370), (303, 48454), (311, 48478), (316, 48487), (332, 48517), (344, 48550), (372, 48616), (385, 48652), (396, 48706), (403, 48730), (405, 48733), (421, 48748), (427, 48775), (432, 48790), (438, 48799), (449, 48817), (455, 48832),

Gene: OSmaximus_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for OSmaximus_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Obliviate_74 Start: 45891, Stop: 46481, Start Num: 225
Candidate Starts for Obliviate_74:
(Start: 225 @45891 has 73 MA's), (335, 46113), (339, 46125), (342, 46131), (376, 46212), (377, 46215), (390, 46257), (432, 46383),

Gene: Obutu_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Obutu_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: OctaviousRex_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for OctaviousRex_50:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Olak_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Olak_6:

(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511),

Gene: Olga_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Olga_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Oline_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Oline_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Olive_6 Start: 3885, Stop: 3361, Start Num: 211
Candidate Starts for Olive_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: OliverWalter_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for OliverWalter_6:
(Start: 199 @3914 has 359 MA's), (Start: 211 @3884 has 3 MA's), (Start: 218 @3869 has 20 MA's), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: Olivio_7 Start: 5262, Stop: 4711, Start Num: 199
Candidate Starts for Olivio_7:
(Start: 159 @5334 has 7 MA's), (Start: 199 @5262 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Omniscient_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Omniscient_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: OneBrain_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for OneBrain_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: OneinaGillian_61 Start: 42021, Stop: 41458, Start Num: 194
Candidate Starts for OneinaGillian_61:
(Start: 194 @42021 has 73 MA's), (295, 41877), (398, 41622), (400, 41613), (432, 41544), (470, 41481),

Gene: Oogie_115 Start: 80689, Stop: 81264, Start Num: 245
Candidate Starts for Oogie_115:
(Start: 245 @80689 has 14 MA's), (251, 80698), (259, 80719), (284, 80758), (310, 80836), (320, 80854), (331, 80884), (336, 80902), (360, 80962), (388, 81037), (408, 81100), (428, 81160), (440, 81184), (443, 81193),

Gene: Oosterbaan_6 Start: 3919, Stop: 3365, Start Num: 199

Candidate Starts for Oosterbaan_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Opia_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Opia_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: OrangeOswald_8 Start: 5489, Stop: 4863, Start Num: 157
Candidate Starts for OrangeOswald_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Orfeu_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Orfeu_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Orion_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Orion_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Orwigg_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Orwigg_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: PCoral7_74 Start: 46525, Stop: 47115, Start Num: 225
Candidate Starts for PCoral7_74:
(Start: 225 @46525 has 73 MA's), (311, 46702), (332, 46735), (335, 46747), (339, 46759), (342, 46765), (362, 46810), (390, 46891), (432, 47017), (453, 47056),

Gene: PG1_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for PG1_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Pace1224_50 Start: 37494, Stop: 38078, Start Num: 238
Candidate Starts for Pace1224_50:
(Start: 238 @37494 has 85 MA's), (277, 37560), (319, 37668), (331, 37689), (332, 37692), (333, 37695), (339, 37716), (375, 37797), (387, 37830), (394, 37863), (397, 37872), (426, 37947), (432, 37974),

Gene: Pacifista_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Pacifista_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Paito_53 Start: 37596, Stop: 38186, Start Num: 238
Candidate Starts for Paito_53:
(47, 37146), (69, 37230), (139, 37431), (Start: 225 @37569 has 73 MA's), (Start: 238 @37596 has 85 MA's), (306, 37740), (330, 37788), (332, 37794), (367, 37878), (376, 37905), (394, 37968), (397, 37977), (426, 38055), (432, 38082), (469, 38151),

Gene: Pakusa_109 Start: 78654, Stop: 79229, Start Num: 245
Candidate Starts for Pakusa_109:
(Start: 245 @78654 has 14 MA's), (251, 78663), (259, 78684), (284, 78723), (310, 78801), (320, 78819), (331, 78849), (336, 78867), (360, 78927), (388, 79002), (408, 79065), (428, 79125), (440, 79149), (443, 79158),

Gene: PallasAthena_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for PallasAthena_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: Paries_70 Start: 52128, Stop: 52766, Start Num: 192
Candidate Starts for Paries_70:
(Start: 192 @52128 has 47 MA's), (287, 52278), (334, 52368), (350, 52407), (354, 52422), (375, 52470), (377, 52476), (405, 52569), (438, 52650), (462, 52707),

Gene: Park1214_177 Start: 90816, Stop: 91298, Start Num: 220
Candidate Starts for Park1214_177:
(Start: 220 @90816 has 7 MA's), (298, 90951), (301, 90957), (307, 90972), (309, 90978), (331, 91026), (333, 91032), (349, 91074), (359, 91101), (397, 91200), (432, 91281),

Gene: Peeb_50 Start: 36905, Stop: 37495, Start Num: 238
Candidate Starts for Peeb_50:
(15, 36233), (16, 36236), (69, 36527), (109, 36656), (139, 36728), (208, 36851), (219, 36872), (Start: 225 @36878 has 73 MA's), (Start: 238 @36905 has 85 MA's), (265, 36953), (306, 37049), (317, 37076), (330, 37097), (332, 37103), (339, 37127), (376, 37214), (387, 37244), (394, 37277), (397, 37286), (410, 37325), (426, 37364), (432, 37391), (469, 37460),

Gene: PenguinLover67_10 Start: 7104, Stop: 6535, Start Num: 199
Candidate Starts for PenguinLover67_10:
(Start: 174 @7155 has 4 MA's), (Start: 194 @7113 has 73 MA's), (Start: 199 @7104 has 359 MA's), (293, 6942), (297, 6936), (331, 6870), (333, 6864), (349, 6822), (353, 6810), (358, 6798), (377, 6756), (397, 6696), (398, 6693), (427, 6630), (429, 6624), (432, 6615), (461, 6564), (477, 6546),

Gene: Pepe25_60 Start: 41552, Stop: 40989, Start Num: 194
Candidate Starts for Pepe25_60:
(Start: 194 @41552 has 73 MA's), (316, 41360), (374, 41225), (377, 41216), (397, 41156), (398, 41153), (400, 41144), (432, 41075), (470, 41012),

Gene: Periodt_51 Start: 37067, Stop: 37657, Start Num: 238
Candidate Starts for Periodt_51:
(Start: 238 @37067 has 85 MA's), (265, 37115), (306, 37211), (330, 37259), (332, 37265), (339, 37289), (376, 37376), (387, 37406), (394, 37439), (397, 37448), (410, 37487), (426, 37526), (432, 37553), (469, 37622),

Gene: Petra_80 Start: 48158, Stop: 48742, Start Num: 225
Candidate Starts for Petra_80:

(Start: 225 @48158 has 73 MA's), (261, 48224), (270, 48239), (304, 48311), (332, 48365), (333, 48368), (350, 48407), (357, 48428), (371, 48455), (389, 48515), (397, 48554), (400, 48566), (411, 48575), (432, 48635),

Gene: Phabia_53 Start: 41409, Stop: 40831, Start Num: 194
Candidate Starts for Phabia_53:
(80, 41652), (138, 41490), (Start: 194 @41409 has 73 MA's), (276, 41298), (324, 41193), (367, 41088), (383, 41043), (385, 41037), (397, 40998), (402, 40983), (428, 40929), (470, 40854),

Gene: Phamished_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Phamished_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Phantasmagoria_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Phantasmagoria_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Phareon_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Phareon_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: PhatCats2014_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for PhatCats2014_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: PhatLouie_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for PhatLouie_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Phauci_56 Start: 46468, Stop: 47115, Start Num: 191
Candidate Starts for Phauci_56:
(Start: 191 @46468 has 6 MA's), (265, 46594), (275, 46609), (297, 46666), (303, 46678), (307, 46690), (309, 46696), (331, 46738), (337, 46759), (350, 46789), (376, 46855), (377, 46858), (399, 46924), (401, 46930), (432, 47002), (453, 47044), (462, 47065),

Gene: Phayeta_8 Start: 5289, Stop: 4711, Start Num: 199
Candidate Starts for Phayeta_8:
(Start: 159 @5361 has 7 MA's), (Start: 199 @5289 has 359 MA's), (265, 5181), (281, 5154), (297, 5115), (310, 5082), (316, 5070), (384, 4917), (397, 4875), (414, 4842), (427, 4809), (455, 4758), (470, 4731),

Gene: Phelemich_8 Start: 6492, Stop: 5929, Start Num: 200
Candidate Starts for Phelemich_8:
(Start: 200 @6492 has 35 MA's), (226, 6441), (297, 6336), (333, 6258), (349, 6216), (358, 6192), (372, 6165), (376, 6153), (397, 6090), (400, 6078), (423, 6051), (449, 5988), (477, 5940),

Gene: PhenghisKhan_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for PhenghisKhan_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Pherdinand_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Pherdinand_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Phergie_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Phergie_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Philly_7 Start: 5375, Stop: 4752, Start Num: 159
Candidate Starts for Philly_7:
(Start: 159 @5375 has 7 MA's), (Start: 199 @5303 has 359 MA's), (265, 5222), (281, 5195), (297, 5156), (310, 5123), (316, 5111), (384, 4958), (397, 4916), (414, 4883), (427, 4850), (455, 4799), (470, 4772),

Gene: PhillyJawn_38 Start: 22565, Stop: 23128, Start Num: 218
Candidate Starts for PhillyJawn_38:
(Start: 218 @22565 has 20 MA's), (228, 22577), (246, 22595), (288, 22658), (300, 22700), (315, 22736), (316, 22739), (336, 22790), (343, 22805), (348, 22817), (360, 22850), (363, 22856), (395, 22946), (397, 22952), (400, 22964), (428, 23018),

Gene: Phinally_64 Start: 49613, Stop: 50260, Start Num: 191
Candidate Starts for Phinally_64:
(Start: 191 @49613 has 6 MA's), (Start: 238 @49691 has 85 MA's), (265, 49739), (275, 49754), (297, 49811), (303, 49823), (309, 49841), (331, 49883), (350, 49934), (376, 50000), (377, 50003), (399, 50069), (401, 50075), (432, 50147), (453, 50189), (462, 50210),

Gene: Phingu_40 Start: 22763, Stop: 23344, Start Num: 218
Candidate Starts for Phingu_40:
(Start: 218 @22763 has 20 MA's), (246, 22793), (300, 22916), (310, 22943), (321, 22964), (336, 23006), (343, 23021), (348, 23033), (365, 23075), (395, 23162), (397, 23168), (400, 23180), (428, 23234),

Gene: Phinky_62 Start: 43645, Stop: 43067, Start Num: 194
Candidate Starts for Phinky_62:
(50, 43999), (53, 43981), (57, 43963), (64, 43945), (141, 43729), (Start: 194 @43645 has 73 MA's), (204, 43630), (Start: 218 @43594 has 20 MA's), (306, 43486), (335, 43420), (346, 43393), (377, 43321), (398, 43255), (432, 43177), (470, 43114), (477, 43105),

Gene: Phipps_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Phipps_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Phish_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Phish_50:

(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Phleuron_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Phleuron_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Phloodle_51 Start: 36929, Stop: 37519, Start Num: 238
Candidate Starts for Phloodle_51:
(15, 36257), (16, 36260), (69, 36551), (109, 36680), (139, 36752), (208, 36875), (219, 36896), (Start: 225 @36902 has 73 MA's), (Start: 238 @36929 has 85 MA's), (265, 36977), (306, 37073), (317, 37100), (330, 37121), (332, 37127), (339, 37151), (376, 37238), (387, 37268), (394, 37301), (397, 37310), (410, 37349), (426, 37388), (432, 37415), (469, 37484),

Gene: Phlop_61 Start: 47095, Stop: 47694, Start Num: 225
Candidate Starts for Phlop_61:
(Start: 225 @47095 has 73 MA's), (377, 47410), (383, 47425), (394, 47470), (422, 47527), (428, 47560), (431, 47569), (449, 47599), (453, 47611), (473, 47647), (488, 47677),

Gene: Phlyer_8 Start: 6242, Stop: 5625, Start Num: 159
Candidate Starts for Phlyer_8:
(Start: 159 @6242 has 7 MA's), (Start: 199 @6170 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Phonegingi_37 Start: 22596, Stop: 23168, Start Num: 218
Candidate Starts for Phonegingi_37:
(126, 22434), (Start: 218 @22596 has 20 MA's), (246, 22626), (300, 22740), (310, 22767), (321, 22788), (336, 22830), (343, 22845), (348, 22857), (365, 22899), (395, 22986), (397, 22992), (400, 23004), (428, 23058),

Gene: PhrankReynolds_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for PhrankReynolds_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Phreak_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Phreak_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: PhrodoBaggins_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for PhrodoBaggins_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: PhrostedPhlake_81 Start: 48308, Stop: 48892, Start Num: 225
Candidate Starts for PhrostedPhlake_81:

(38, 47840), (49, 47915), (76, 48005), (Start: 225 @48308 has 73 MA's), (270, 48389), (304, 48461), (310, 48479), (331, 48512), (332, 48515), (333, 48518), (350, 48557), (357, 48578), (389, 48665), (400, 48716), (411, 48725), (432, 48785),

Gene: Phunky_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Phunky_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Pickles13_36 Start: 22875, Stop: 23438, Start Num: 218
Candidate Starts for Pickles13_36:
(126, 22707), (Start: 218 @22875 has 20 MA's), (228, 22887), (246, 22905), (288, 22968), (315, 23046), (316, 23049), (322, 23061), (343, 23115), (348, 23127), (360, 23160), (363, 23166), (395, 23256), (397, 23262), (400, 23274), (456, 23388),

Gene: Piglet_006 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Piglet_006:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Pine5_08 Start: 5560, Stop: 4889, Start Num: 196
Candidate Starts for Pine5_08:
(Start: 196 @5560 has 24 MA's), (315, 5353), (319, 5344), (331, 5323), (342, 5290), (352, 5263), (385, 5188), (430, 5059), (465, 4990), (479, 4969), (494, 4927),

Gene: PinheadLarry_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for PinheadLarry_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: PinkCoffee_65 Start: 47101, Stop: 47700, Start Num: 225
Candidate Starts for PinkCoffee_65:
(Start: 225 @47101 has 73 MA's), (377, 47416), (383, 47431), (394, 47476), (422, 47533), (428, 47566), (431, 47575), (449, 47605), (453, 47617), (473, 47653), (488, 47683),

Gene: PinkYoshi_51 Start: 36905, Stop: 37495, Start Num: 238
Candidate Starts for PinkYoshi_51:
(15, 36233), (16, 36236), (69, 36527), (109, 36656), (139, 36728), (208, 36851), (219, 36872), (Start: 225 @36878 has 73 MA's), (Start: 238 @36905 has 85 MA's), (265, 36953), (306, 37049), (317, 37076), (330, 37097), (332, 37103), (339, 37127), (376, 37214), (387, 37244), (394, 37277), (397, 37286), (410, 37325), (426, 37364), (432, 37391), (469, 37460),

Gene: Pinkman_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Pinkman_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Pinnie_50 Start: 38254, Stop: 38841, Start Num: 238
Candidate Starts for Pinnie_50:
(160, 38170), (Start: 196 @38215 has 24 MA's), (Start: 238 @38254 has 85 MA's), (265, 38302), (309, 38407), (331, 38449), (332, 38452), (394, 38626), (395, 38629), (397, 38635), (426, 38710), (432, 38737), (441, 38752),

Gene: Pipefish_8 Start: 6380, Stop: 5730, Start Num: 159
Candidate Starts for Pipefish_8:
(Start: 159 @6380 has 7 MA's), (Start: 199 @6308 has 359 MA's), (265, 6200), (281, 6173), (297, 6134), (310, 6101), (316, 6089), (384, 5936), (397, 5894), (414, 5861), (427, 5828), (455, 5777), (470, 5750),

Gene: Pipp_79 Start: 47870, Stop: 48448, Start Num: 218
Candidate Starts for Pipp_79:
(Start: 218 @47870 has 20 MA's), (Start: 221 @47873 has 1 MA's), (270, 47954), (304, 48026), (310, 48044), (331, 48077), (332, 48080), (333, 48083), (350, 48122), (357, 48143), (389, 48230), (400, 48281), (411, 48290), (432, 48350),

Gene: Pipsqueak_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Pipsqueak_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Placalicious_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Placalicious_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Plagueis_51 Start: 36734, Stop: 37324, Start Num: 238
Candidate Starts for Plagueis_51:
(15, 36062), (16, 36065), (69, 36356), (109, 36485), (139, 36557), (208, 36680), (219, 36701), (Start: 225 @36707 has 73 MA's), (Start: 238 @36734 has 85 MA's), (265, 36782), (306, 36878), (317, 36905), (330, 36926), (332, 36932), (339, 36956), (376, 37043), (387, 37073), (394, 37106), (397, 37115), (410, 37154), (426, 37193), (432, 37220), (469, 37289),

Gene: Plata_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Plata_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Plmatters_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Plmatters_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Podrick_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Podrick_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Pops_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Pops_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Portcullis_65 Start: 47219, Stop: 47821, Start Num: 225
Candidate Starts for Portcullis_65:
(Start: 225 @47219 has 73 MA's), (344, 47459), (377, 47537), (383, 47552), (394, 47597), (400, 47618), (428, 47687), (429, 47690), (431, 47696), (449, 47726), (453, 47738), (473, 47774), (488,

47804),

Gene: Poster_6 Start: 5152, Stop: 4583, Start Num: 195
Candidate Starts for Poster_6:
(Start: 195 @5152 has 6 MA's), (Start: 200 @5143 has 35 MA's), (297, 4987), (303, 4975), (331, 4918), (346, 4876), (349, 4870), (353, 4858), (372, 4819), (397, 4744), (414, 4711), (427, 4678), (428, 4675), (432, 4663), (433, 4660), (468, 4606),

Gene: Potter_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Potter_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Primanti_49 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Primanti_49:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Prince_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Prince_7:
(166, 6303), (171, 6297), (Start: 186 @6267 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: PrinceCharming_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for PrinceCharming_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (142, 6489), (144, 6495), (Start: 199 @6591 has 359 MA's), (Start: 245 @6663 has 14 MA's), (260, 6690), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: PrincePatrick_76 Start: 45859, Stop: 46449, Start Num: 225
Candidate Starts for PrincePatrick_76:
(Start: 225 @45859 has 73 MA's), (311, 46036), (332, 46069), (335, 46081), (339, 46093), (342, 46099), (362, 46144), (432, 46351), (453, 46390),

Gene: ProfessorX_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for ProfessorX_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Puhltonio_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Puhltonio_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: PullumCavea_62 Start: 47272, Stop: 47871, Start Num: 225
Candidate Starts for PullumCavea_62:
(3, 46330), (4, 46336), (5, 46342), (6, 46348), (8, 46354), (10, 46378), (19, 46501), (108, 47044), (Start: 225 @47272 has 73 MA's), (383, 47602), (394, 47647), (422, 47704), (428, 47737), (431, 47746), (449, 47776), (453, 47788), (488, 47854),

Gene: Pumpkiney_64 Start: 48159, Stop: 48824, Start Num: 194
Candidate Starts for Pumpkiney_64:
(Start: 194 @48159 has 73 MA's), (265, 48285), (275, 48300), (297, 48357), (331, 48429), (337, 48450), (350, 48480), (356, 48498), (401, 48621), (432, 48693), (453, 48735), (460, 48750), (462, 48756), (493, 48813),

Gene: Quammi_51 Start: 41109, Stop: 40531, Start Num: 194
Candidate Starts for Quammi_51:
(80, 41352), (138, 41190), (Start: 194 @41109 has 73 MA's), (276, 40998), (324, 40893), (367, 40788), (383, 40743), (385, 40737), (397, 40698), (402, 40683), (428, 40629), (470, 40554),

Gene: QueenBeane_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for QueenBeane_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: QueenPie_7 Start: 6040, Stop: 5471, Start Num: 195
Candidate Starts for QueenPie_7:
(Start: 195 @6040 has 6 MA's), (Start: 200 @6031 has 35 MA's), (297, 5875), (303, 5863), (346, 5764), (349, 5758), (353, 5746), (358, 5734), (372, 5707), (397, 5632), (414, 5599), (427, 5566), (428, 5563), (432, 5551), (433, 5548), (468, 5494),

Gene: Quesadilla_9 Start: 6920, Stop: 6357, Start Num: 199
Candidate Starts for Quesadilla_9:
(Start: 199 @6920 has 359 MA's), (265, 6821), (272, 6809), (297, 6758), (331, 6692), (333, 6686), (349, 6644), (353, 6632), (377, 6578), (397, 6518), (398, 6515), (427, 6452), (429, 6446), (468, 6380),

Gene: Quisquiliae_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Quisquiliae_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Qyrzula_9 Start: 6447, Stop: 7139, Start Num: 133
Candidate Starts for Qyrzula_9:
(123, 6429), (Start: 133 @6447 has 3 MA's), (136, 6450), (144, 6468), (Start: 146 @6471 has 1 MA's), (Start: 199 @6564 has 359 MA's), (228, 6621), (244, 6633), (254, 6651), (303, 6744), (306, 6753), (346, 6843), (347, 6846), (349, 6849), (366, 6885), (379, 6921), (383, 6930), (397, 6975), (398, 6978), (400, 6987), (429, 7047), (431, 7053), (432, 7056), (455, 7092), (470, 7116), (477, 7125),

Gene: Rabbs_53 Start: 37053, Stop: 37640, Start Num: 217
Candidate Starts for Rabbs_53:
(20, 36564), (23, 36606), (24, 36642), (139, 36975), (Start: 217 @37053 has 4 MA's), (306, 37197), (330, 37245), (332, 37251), (339, 37275), (376, 37362), (394, 37425), (397, 37434), (426, 37509), (432, 37536),

Gene: RagingRooster_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for RagingRooster_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: RainyPolka_58 Start: 48033, Stop: 48623, Start Num: 229

Candidate Starts for RainyPolka_58:
(Start: 229 @48033 has 11 MA's), (272, 48084), (284, 48108), (292, 48135), (303, 48159), (310, 48180), (316, 48192), (332, 48222), (342, 48252), (358, 48291), (367, 48306), (371, 48315), (377, 48336), (394, 48396), (416, 48441), (419, 48447), (432, 48495), (450, 48525), (467, 48561),

Gene: Rattrick_51 Start: 37067, Stop: 37657, Start Num: 238
Candidate Starts for Rattrick_51:
(Start: 238 @37067 has 85 MA's), (265, 37115), (306, 37211), (330, 37259), (332, 37265), (339, 37289), (376, 37376), (387, 37406), (394, 37439), (397, 37448), (410, 37487), (426, 37526), (432, 37553), (469, 37622),

Gene: RawrgerThat_7 Start: 6237, Stop: 5677, Start Num: 200
Candidate Starts for RawrgerThat_7:
(166, 6297), (Start: 174 @6288 has 4 MA's), (Start: 195 @6246 has 6 MA's), (Start: 200 @6237 has 35 MA's), (297, 6081), (303, 6069), (331, 6012), (346, 5970), (349, 5964), (353, 5952), (358, 5940), (372, 5913), (414, 5805), (427, 5772), (428, 5769), (432, 5757), (433, 5754), (451, 5727), (455, 5721), (468, 5700),

Gene: Reccee_8 Start: 6215, Stop: 5649, Start Num: 200
Candidate Starts for Reccee_8:
(25, 6851), (27, 6779), (33, 6713), (137, 6329), (166, 6275), (171, 6269), (Start: 186 @6239 has 6 MA's), (Start: 200 @6215 has 35 MA's), (230, 6158), (297, 6056), (333, 5978), (349, 5936), (358, 5912), (372, 5885), (377, 5870), (397, 5810), (398, 5807), (400, 5798), (423, 5771), (451, 5699), (455, 5693),

Gene: RedMaple_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for RedMaple_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: RedRaider89_7 Start: 4150, Stop: 3596, Start Num: 199
Candidate Starts for RedRaider89_7:
(Start: 199 @4150 has 359 MA's), (Start: 211 @4120 has 3 MA's), (Start: 218 @4105 has 20 MA's), (226, 4096), (297, 4000), (333, 3925), (346, 3889), (349, 3883), (398, 3754), (400, 3745), (457, 3634),

Gene: Rem711_70 Start: 43454, Stop: 44074, Start Num: 199
Candidate Starts for Rem711_70:
(Start: 199 @43454 has 359 MA's), (204, 43463), (205, 43466), (224, 43505), (255, 43544), (304, 43610), (310, 43628), (315, 43637), (335, 43679), (400, 43853), (432, 43922), (438, 43931), (464, 43985),

Gene: Remy19_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Remy19_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Renaissance_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Renaissance_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397,

37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Renkei_6 Start: 5153, Stop: 4584, Start Num: 195
Candidate Starts for Renkei_6:
(Start: 195 @5153 has 6 MA's), (Start: 200 @5144 has 35 MA's), (297, 4988), (331, 4919), (346, 4877), (349, 4871), (353, 4859), (397, 4745), (414, 4712), (427, 4679), (428, 4676), (432, 4664), (433, 4661), (455, 4628), (468, 4607),

Gene: Reprobate_8 Start: 6489, Stop: 5926, Start Num: 200
Candidate Starts for Reprobate_8:
(Start: 200 @6489 has 35 MA's), (226, 6438), (297, 6333), (333, 6255), (349, 6213), (358, 6189), (372, 6162), (376, 6150), (397, 6087), (400, 6075), (423, 6048), (449, 5985), (477, 5937),

Gene: Rhinoforte_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for Rhinoforte_9:
(123, 6456), (Start: 133 @6474 has 3 MA's), (136, 6477), (142, 6489), (144, 6495), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (428, 7071), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Ribeye_67 Start: 50020, Stop: 50655, Start Num: 192
Candidate Starts for Ribeye_67:
(Start: 192 @50020 has 47 MA's), (334, 50257), (350, 50296), (354, 50311), (370, 50341), (372, 50350), (375, 50359), (438, 50539), (445, 50557),

Gene: Rich_8 Start: 6218, Stop: 5652, Start Num: 200
Candidate Starts for Rich_8:
(Start: 200 @6218 has 35 MA's), (230, 6161), (297, 6059), (331, 5987), (333, 5981), (335, 5972), (349, 5939), (358, 5915), (376, 5876), (397, 5813), (400, 5801), (423, 5774), (451, 5702), (455, 5696),

Gene: Richarlison_51 Start: 36899, Stop: 37489, Start Num: 238
Candidate Starts for Richarlison_51:
(15, 36227), (16, 36230), (69, 36521), (109, 36650), (139, 36722), (208, 36845), (219, 36866), (Start: 225 @36872 has 73 MA's), (Start: 238 @36899 has 85 MA's), (265, 36947), (306, 37043), (317, 37070), (330, 37091), (332, 37097), (339, 37121), (376, 37208), (387, 37238), (394, 37271), (397, 37280), (410, 37319), (426, 37358), (432, 37385), (469, 37454),

Gene: Ricotta_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Ricotta_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Riggan_6 Start: 3922, Stop: 3368, Start Num: 199
Candidate Starts for Riggan_6:
(Start: 199 @3922 has 359 MA's), (Start: 211 @3892 has 3 MA's), (Start: 218 @3877 has 20 MA's), (297, 3772), (333, 3697), (346, 3661), (349, 3655), (398, 3526), (400, 3517), (457, 3406),

Gene: Rinkes_11 Start: 8103, Stop: 7489, Start Num: 169
Candidate Starts for Rinkes_11:
(28, 8601), (37, 8505), (39, 8502), (40, 8490), (48, 8439), (73, 8346), (81, 8322), (93, 8274), (96, 8271), (100, 8265), (106, 8235), (126, 8175), (129, 8172), (134, 8163), (140, 8151), (Start: 169 @8103 has 1 MA's), (Start: 195 @8064 has 6 MA's), (Start: 200 @8055 has 35 MA's), (230, 7998), (272, 7950), (280, 7941), (297, 7899), (335, 7809), (349, 7776), (353, 7764), (397, 7650), (404, 7629), (433, 7566), (449,

7548), (455, 7533), (468, 7512), (470, 7509),

Gene: Rita130_8 Start: 6217, Stop: 5651, Start Num: 200
Candidate Starts for Rita130_8:
(Start: 200 @6217 has 35 MA's), (230, 6160), (297, 6058), (333, 5980), (349, 5938), (358, 5914), (372, 5887), (376, 5875), (400, 5800), (423, 5773), (451, 5701), (455, 5695),

Gene: Rita1961_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Rita1961_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: RiverRaider_69 Start: 49606, Stop: 50229, Start Num: 192
Candidate Starts for RiverRaider_69:
(Start: 192 @49606 has 47 MA's), (Start: 200 @49615 has 35 MA's), (287, 49756), (332, 49837), (334, 49846), (350, 49885), (354, 49900), (428, 50092),

Gene: Riverton_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Riverton_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: RoadKill_59 Start: 45201, Stop: 45827, Start Num: 194
Candidate Starts for RoadKill_59:
(Start: 194 @45201 has 73 MA's), (275, 45342), (331, 45444), (371, 45543), (401, 45645), (428, 45705), (453, 45759), (460, 45774),

Gene: RobinRose_63 Start: 42533, Stop: 41970, Start Num: 194
Candidate Starts for RobinRose_63:
(Start: 194 @42533 has 73 MA's), (295, 42389), (353, 42251), (398, 42134), (400, 42125), (432, 42056), (470, 41993),

Gene: Robyn_6 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for Robyn_6:
(Start: 199 @3920 has 359 MA's), (Start: 218 @3875 has 20 MA's), (226, 3866), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Rofo_69 Start: 51570, Stop: 52208, Start Num: 192
Candidate Starts for Rofo_69:
(Start: 192 @51570 has 47 MA's), (287, 51720), (332, 51801), (334, 51810), (350, 51849), (354, 51864), (375, 51912), (405, 52011), (438, 52092), (462, 52149),

Gene: RogerDodger_66 Start: 47394, Stop: 47993, Start Num: 225
Candidate Starts for RogerDodger_66:
(3, 46452), (4, 46458), (5, 46464), (6, 46470), (8, 46476), (10, 46500), (19, 46623), (108, 47166), (Start: 225 @47394 has 73 MA's), (342, 47628), (383, 47724), (394, 47769), (422, 47826), (428, 47859), (431, 47868), (449, 47898), (453, 47910), (473, 47946), (488, 47976),

Gene: Roliet_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Roliet_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: RomaT_8 Start: 6248, Stop: 5625, Start Num: 159
Candidate Starts for RomaT_8:
(Start: 159 @6248 has 7 MA's), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Romm_63 Start: 42530, Stop: 41967, Start Num: 194
Candidate Starts for Romm_63:
(Start: 194 @42530 has 73 MA's), (295, 42386), (353, 42248), (398, 42131), (400, 42122), (432, 42053), (470, 41990),

Gene: Roscoe_7 Start: 4153, Stop: 3599, Start Num: 199
Candidate Starts for Roscoe_7:
(Start: 199 @4153 has 359 MA's), (Start: 218 @4108 has 20 MA's), (226, 4099), (297, 4003), (333, 3928), (346, 3892), (349, 3886), (398, 3757), (400, 3748),

Gene: Rowlf_50 Start: 41057, Stop: 40485, Start Num: 194
Candidate Starts for Rowlf_50:
(75, 41321), (150, 41117), (Start: 194 @41057 has 73 MA's), (228, 40991), (319, 40853), (324, 40844), (331, 40826), (374, 40718), (379, 40703), (383, 40694), (397, 40649), (400, 40637), (439, 40562), (455, 40532), (470, 40508),

Gene: Roy17_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Roy17_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: RubyRalph_59 Start: 44213, Stop: 43635, Start Num: 194
Candidate Starts for RubyRalph_59:
(51, 44576), (Start: 194 @44213 has 73 MA's), (252, 44132), (274, 44108), (306, 44036), (324, 44000), (335, 43967), (375, 43871), (377, 43865), (383, 43850), (398, 43799), (470, 43658), (478, 43646),

Gene: Rudy_51 Start: 41145, Stop: 40567, Start Num: 194
Candidate Starts for Rudy_51:
(80, 41388), (138, 41226), (Start: 194 @41145 has 73 MA's), (276, 41034), (324, 40929), (367, 40824), (383, 40779), (385, 40773), (397, 40734), (402, 40719), (428, 40665), (470, 40590),

Gene: Ruriko_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Ruriko_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: SDcharge11_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for SDcharge11_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: SPB78_53 Start: 37096, Stop: 37713, Start Num: 207
Candidate Starts for SPB78_53:

(129, 36964), (136, 36970), (Start: 191 @37060 has 6 MA's), (207, 37096), (257, 37171), (280, 37207), (332, 37330), (339, 37354), (354, 37387), (372, 37426), (377, 37441), (397, 37501), (453, 37624), (480, 37672), (492, 37699),

Gene: Sabella_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Sabella_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: SadLad_60 Start: 45067, Stop: 44489, Start Num: 194
Candidate Starts for SadLad_60:
(Start: 194 @45067 has 73 MA's), (252, 44986), (306, 44890), (324, 44854), (335, 44821), (375, 44725), (377, 44719), (383, 44704), (398, 44653), (470, 44512), (478, 44500),

Gene: Saguaro_9 Start: 7128, Stop: 6586, Start Num: 199
Candidate Starts for Saguaro_9:
(Start: 199 @7128 has 359 MA's), (297, 6987), (305, 6969), (307, 6963), (327, 6930), (331, 6921), (333, 6915), (349, 6873), (353, 6861), (358, 6849), (397, 6747), (398, 6744), (429, 6675), (431, 6669), (468, 6609),

Gene: Salazzle_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Salazzle_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Salete_60 Start: 48760, Stop: 49350, Start Num: 229
Candidate Starts for Salete_60:
(161, 48637), (Start: 229 @48760 has 11 MA's), (265, 48799), (272, 48811), (284, 48835), (292, 48862), (303, 48886), (316, 48919), (331, 48946), (332, 48949), (342, 48979), (358, 49018), (367, 49033), (376, 49060), (377, 49063), (403, 49153), (416, 49168), (419, 49174), (432, 49222), (450, 49252), (467, 49288),

Gene: SallyK_55 Start: 42264, Stop: 41689, Start Num: 186
Candidate Starts for SallyK_55:
(Start: 186 @42264 has 6 MA's), (228, 42195), (319, 42057), (324, 42048), (331, 42030), (374, 41922), (379, 41907), (383, 41898), (397, 41853), (400, 41841), (439, 41766), (455, 41736), (470, 41712),

Gene: Salvador_62 Start: 46631, Stop: 47230, Start Num: 225
Candidate Starts for Salvador_62:
(Start: 225 @46631 has 73 MA's), (377, 46946), (383, 46961), (394, 47006), (422, 47063), (425, 47078), (428, 47096), (431, 47105), (434, 47114), (449, 47135), (453, 47147), (488, 47213),

Gene: Samaymay_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Samaymay_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Samba_75 Start: 48756, Stop: 49346, Start Num: 225
Candidate Starts for Samba_75:
(58, 48378), (87, 48474), (Start: 225 @48756 has 73 MA's), (335, 48978), (339, 48990), (342, 48996), (362, 49041), (371, 49059), (376, 49077), (377, 49080), (389, 49119), (390, 49122), (432, 49248),

Gene: Sampson_68 Start: 50154, Stop: 50801, Start Num: 194
Candidate Starts for Sampson_68:
(110, 49992), (112, 49998), (118, 50016), (164, 50103), (Start: 194 @50154 has 73 MA's), (Start: 238 @50232 has 85 MA's), (261, 50274), (265, 50280), (303, 50346), (313, 50364), (350, 50448), (354, 50463), (380, 50523), (383, 50532), (401, 50598), (405, 50607), (441, 50685), (453, 50712), (493, 50790),

Gene: Sanjuju_67 Start: 51907, Stop: 52545, Start Num: 192
Candidate Starts for Sanjuju_67:
(85, 51676), (90, 51700), (Start: 128 @51805 has 1 MA's), (Start: 157 @51853 has 5 MA's), (Start: 172 @51874 has 3 MA's), (Start: 192 @51907 has 47 MA's), (287, 52057), (334, 52147), (350, 52186), (354, 52201), (375, 52249), (377, 52255), (405, 52348), (438, 52429), (462, 52486),

Gene: Saronaya_68 Start: 50864, Stop: 51499, Start Num: 192
Candidate Starts for Saronaya_68:
(Start: 192 @50864 has 47 MA's), (334, 51101), (350, 51140), (354, 51155), (370, 51185), (372, 51194), (375, 51203), (405, 51302), (428, 51362), (445, 51401),

Gene: SassyCat97_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for SassyCat97_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Savbucketdawg_62 Start: 46938, Stop: 47537, Start Num: 225
Candidate Starts for Savbucketdawg_62:
(3, 45984), (4, 45990), (5, 45996), (6, 46002), (8, 46008), (10, 46032), (108, 46710), (Start: 225 @46938 has 73 MA's), (342, 47172), (383, 47268), (394, 47313), (422, 47370), (428, 47403), (431, 47412), (449, 47442), (453, 47454), (488, 47520),

Gene: ScarletRaider_113 Start: 81925, Stop: 82500, Start Num: 245
Candidate Starts for ScarletRaider_113:
(Start: 245 @81925 has 14 MA's), (290, 82009), (297, 82039), (331, 82120), (336, 82138), (337, 82141), (353, 82183), (370, 82216), (387, 82270), (388, 82273), (428, 82396), (443, 82429), (448, 82441),

Gene: Schadenfreude_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Schadenfreude_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Schiebel_51 Start: 36899, Stop: 37489, Start Num: 238
Candidate Starts for Schiebel_51:
(15, 36227), (16, 36230), (69, 36521), (109, 36650), (139, 36722), (208, 36845), (219, 36866), (Start: 225 @36872 has 73 MA's), (Start: 238 @36899 has 85 MA's), (265, 36947), (306, 37043), (317, 37070), (330, 37091), (332, 37097), (339, 37121), (376, 37208), (387, 37238), (394, 37271), (397, 37280), (410, 37319), (426, 37358), (432, 37385), (469, 37454),

Gene: Schomber_113 Start: 79057, Stop: 79632, Start Num: 245
Candidate Starts for Schomber_113:
(Start: 245 @79057 has 14 MA's), (251, 79066), (259, 79087), (284, 79126), (310, 79204), (320, 79222), (331, 79252), (336, 79270), (360, 79330), (388, 79405), (408, 79468), (428, 79528), (440, 79552), (443, 79561),

Gene: SchottB_64 Start: 50477, Stop: 51112, Start Num: 194
Candidate Starts for SchottB_64:
(104, 50297), (148, 50399), (Start: 194 @50477 has 73 MA's), (287, 50624), (334, 50714), (350, 50753), (354, 50768), (374, 50813), (377, 50822), (394, 50882), (405, 50915), (445, 51014),

Gene: Scioto_67 Start: 50004, Stop: 50651, Start Num: 194
Candidate Starts for Scioto_67:
(110, 49842), (112, 49848), (118, 49866), (164, 49953), (Start: 194 @50004 has 73 MA's), (Start: 238 @50082 has 85 MA's), (261, 50124), (265, 50130), (303, 50196), (313, 50214), (350, 50298), (354, 50313), (380, 50373), (383, 50382), (401, 50448), (405, 50457), (441, 50535), (453, 50562), (493, 50640),

Gene: ScoobySnack_34 Start: 22377, Stop: 22949, Start Num: 218
Candidate Starts for ScoobySnack_34:
(111, 22176), (Start: 218 @22377 has 20 MA's), (246, 22407), (300, 22521), (310, 22548), (321, 22569), (336, 22611), (343, 22626), (348, 22638), (365, 22680), (395, 22767), (397, 22773), (400, 22785), (428, 22839),

Gene: Scoot17C_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Scoot17C_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Scrick_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Scrick_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514),

Gene: Sedona_67 Start: 52480, Stop: 53118, Start Num: 192
Candidate Starts for Sedona_67:
(85, 52249), (90, 52273), (Start: 128 @52378 has 1 MA's), (Start: 157 @52426 has 5 MA's), (Start: 172 @52447 has 3 MA's), (Start: 192 @52480 has 47 MA's), (287, 52630), (334, 52720), (350, 52759), (354, 52774), (375, 52822), (377, 52828), (405, 52921), (438, 53002), (462, 53059),

Gene: Selr12_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Selr12_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Sendy_64 Start: 46939, Stop: 47538, Start Num: 225
Candidate Starts for Sendy_64:
(Start: 225 @46939 has 73 MA's), (342, 47173), (383, 47269), (394, 47314), (422, 47371), (428, 47404), (431, 47413), (449, 47443), (453, 47455), (473, 47491), (488, 47521),

Gene: Septica_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Septica_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Serendipitous_8 Start: 6269, Stop: 5706, Start Num: 200
Candidate Starts for Serendipitous_8:

(Start: 200 @6269 has 35 MA's), (297, 6113), (333, 6035), (349, 5993), (358, 5969), (372, 5942), (376, 5930), (397, 5867), (400, 5855), (423, 5828), (451, 5756), (455, 5750),

Gene: Serendipity_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Serendipity_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Serpentine_006 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Serpentine_006:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: ShaboiShabazz_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for ShaboiShabazz_50:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: ShadowBud_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for ShadowBud_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: SharkTale_70 Start: 50455, Stop: 51051, Start Num: 227
Candidate Starts for SharkTale_70:
(104, 50215), (156, 50326), (162, 50335), (201, 50404), (227, 50455), (234, 50464), (372, 50752), (383, 50782), (394, 50827), (422, 50884), (425, 50899), (428, 50917), (431, 50926), (445, 50950), (449, 50956), (488, 51034),

Gene: Shatter_6 Start: 4904, Stop: 4362, Start Num: 196
Candidate Starts for Shatter_6:
(31, 5378), (61, 5207), (Start: 196 @4904 has 24 MA's), (226, 4850), (279, 4811), (331, 4697), (385, 4565), (397, 4526), (400, 4514), (402, 4511), (422, 4487), (427, 4460), (456, 4406), (474, 4382),

Gene: Sheila_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Sheila_6:
(Start: 199 @3916 has 359 MA's), (Start: 211 @3886 has 3 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Shenandoah_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for Shenandoah_8:
(Start: 157 @5489 has 5 MA's), (167, 5471), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: Shenyu_8 Start: 6203, Stop: 5640, Start Num: 200
Candidate Starts for Shenyu_8:
(Start: 200 @6203 has 35 MA's), (230, 6146), (297, 6047), (333, 5969), (349, 5927), (358, 5903), (376, 5864), (397, 5801), (398, 5798), (400, 5789), (423, 5762), (451, 5690), (455, 5684), (468, 5663), (477, 5651),

Gene: ShiVal_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for ShiVal_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Shinji_62 Start: 46801, Stop: 47400, Start Num: 225
Candidate Starts for Shinji_62:
(Start: 225 @46801 has 73 MA's), (377, 47116), (383, 47131), (394, 47176), (422, 47233), (428, 47266), (429, 47269), (431, 47275), (449, 47305), (453, 47317), (473, 47353), (488, 47383),

Gene: Shivanishola_68 Start: 50210, Stop: 50848, Start Num: 192
Candidate Starts for Shivanishola_68:
(Start: 192 @50210 has 47 MA's), (287, 50360), (334, 50450), (350, 50489), (354, 50504), (375, 50552), (377, 50558), (394, 50618), (405, 50651), (438, 50732), (462, 50789),

Gene: Sigman_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Sigman_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Sillytadpoles_54 Start: 40982, Stop: 40404, Start Num: 194
Candidate Starts for Sillytadpoles_54:
(80, 41225), (138, 41063), (Start: 194 @40982 has 73 MA's), (276, 40871), (324, 40766), (367, 40661), (383, 40616), (385, 40610), (397, 40571), (402, 40556), (428, 40502), (470, 40427),

Gene: SilverBell_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for SilverBell_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Simielle_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Simielle_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: SirJeffery_8 Start: 6217, Stop: 5651, Start Num: 200
Candidate Starts for SirJeffery_8:
(Start: 200 @6217 has 35 MA's), (230, 6160), (297, 6058), (333, 5980), (349, 5938), (358, 5914), (372, 5887), (376, 5875), (400, 5800), (423, 5773), (451, 5701), (455, 5695),

Gene: Sisko_5 Start: 4711, Stop: 4184, Start Num: 196
Candidate Starts for Sisko_5:
(Start: 196 @4711 has 24 MA's), (267, 4636), (363, 4441), (365, 4438), (374, 4417), (383, 4393), (385, 4387), (397, 4348), (402, 4333), (414, 4315), (428, 4279), (432, 4267), (474, 4204),

Gene: Sitar_68 Start: 52372, Stop: 53043, Start Num: 172
Candidate Starts for Sitar_68:
(85, 52174), (90, 52198), (Start: 128 @52303 has 1 MA's), (Start: 157 @52351 has 5 MA's), (Start: 172 @52372 has 3 MA's), (Start: 192 @52405 has 47 MA's), (287, 52555), (334, 52645), (350, 52684), (354, 52699), (375, 52747), (377, 52753), (405, 52846), (438, 52927), (462, 52984),

Gene: Sixsevenium_66 Start: 48694, Stop: 49326, Start Num: 225
Candidate Starts for Sixsevenium_66:

(Start: 225 @48694 has 73 MA's), (372, 49027), (383, 49057), (393, 49096), (400, 49123), (428, 49192), (429, 49195), (431, 49201), (449, 49231), (453, 49243), (473, 49279), (488, 49309),

Gene: Sizemore_51 Start: 36900, Stop: 37490, Start Num: 238
Candidate Starts for Sizemore_51:
(15, 36228), (16, 36231), (69, 36522), (109, 36651), (139, 36723), (208, 36846), (219, 36867), (Start: 225 @36873 has 73 MA's), (Start: 238 @36900 has 85 MA's), (265, 36948), (306, 37044), (317, 37071), (330, 37092), (332, 37098), (339, 37122), (376, 37209), (387, 37239), (394, 37272), (397, 37281), (410, 37320), (426, 37359), (432, 37386), (469, 37455),

Gene: Skippy_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Skippy_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Slatt_6 Start: 3920, Stop: 3366, Start Num: 199
Candidate Starts for Slatt_6:
(Start: 199 @3920 has 359 MA's), (Start: 211 @3890 has 3 MA's), (Start: 218 @3875 has 20 MA's), (297, 3770), (333, 3695), (346, 3659), (349, 3653), (398, 3524), (400, 3515), (457, 3404),

Gene: Sleepyhead_61 Start: 40018, Stop: 40581, Start Num: 218
Candidate Starts for Sleepyhead_61:
(29, 39454), (65, 39658), (81, 39706), (168, 39922), (206, 39991), (Start: 218 @40018 has 20 MA's), (283, 40105), (286, 40114), (304, 40168), (322, 40207), (355, 40303), (363, 40318), (367, 40324), (377, 40354), (379, 40360), (383, 40369), (397, 40414), (400, 40426), (438, 40507), (454, 40537),

Gene: SlippinJimmy_8 Start: 6176, Stop: 5625, Start Num: 199
Candidate Starts for SlippinJimmy_8:
(Start: 157 @6251 has 5 MA's), (167, 6233), (Start: 199 @6176 has 359 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: SlySloth_55 Start: 41701, Stop: 41129, Start Num: 194
Candidate Starts for SlySloth_55:
(86, 41926), (150, 41761), (Start: 194 @41701 has 73 MA's), (228, 41635), (319, 41497), (324, 41488), (331, 41470), (374, 41362), (379, 41347), (383, 41338), (397, 41293), (400, 41281), (439, 41206), (455, 41176), (470, 41152),

Gene: SmokingBunny_63 Start: 47232, Stop: 47831, Start Num: 225
Candidate Starts for SmokingBunny_63:
(3, 46362), (4, 46368), (5, 46374), (6, 46380), (8, 46386), (108, 47004), (Start: 225 @47232 has 73 MA's), (342, 47466), (383, 47562), (394, 47607), (422, 47664), (428, 47697), (431, 47706), (449, 47736), (453, 47748), (473, 47784), (488, 47814),

Gene: Sneeze_52 Start: 37052, Stop: 37639, Start Num: 217
Candidate Starts for Sneeze_52:
(20, 36563), (23, 36605), (24, 36641), (139, 36974), (Start: 217 @37052 has 4 MA's), (306, 37196), (330, 37244), (332, 37250), (339, 37274), (376, 37361), (394, 37424), (397, 37433), (426, 37508), (432, 37535),

Gene: Soile_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Soile_6:

(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Soilmate_79 Start: 51274, Stop: 51864, Start Num: 225
Candidate Starts for Soilmate_79:
(Start: 225 @51274 has 73 MA's), (311, 51451), (335, 51496), (339, 51508), (342, 51514), (362, 51559), (371, 51577), (376, 51595), (377, 51598), (389, 51637), (390, 51640), (432, 51766), (471, 51838),

Gene: Solosis_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Solosis_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Sophia_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Sophia_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Soto_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Soto_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Sour_9 Start: 6563, Stop: 6030, Start Num: 196
Candidate Starts for Sour_9:
(Start: 196 @6563 has 24 MA's), (331, 6371), (332, 6368), (383, 6242), (385, 6236), (396, 6200), (397, 6197), (400, 6185), (427, 6131), (428, 6128),

Gene: Spartan300_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Spartan300_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Spiderpig_61 Start: 42231, Stop: 41668, Start Num: 194
Candidate Starts for Spiderpig_61:
(144, 42297), (149, 42288), (Start: 194 @42231 has 73 MA's), (331, 42009), (397, 41835), (398, 41832), (400, 41823), (432, 41754), (470, 41691),

Gene: Squash_56 Start: 41774, Stop: 41202, Start Num: 194
Candidate Starts for Squash_56:
(56, 42089), (92, 41972), (150, 41834), (Start: 194 @41774 has 73 MA's), (228, 41708), (319, 41570), (324, 41561), (331, 41543), (374, 41435), (379, 41420), (383, 41411), (397, 41366), (400, 41354), (439, 41279), (455, 41249), (470, 41225),

Gene: Squid_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Squid_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Squiggle_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Squiggle_6:

(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: StAugustine_12 Start: 8920, Stop: 8363, Start Num: 190
Candidate Starts for StAugustine_12:
(Start: 190 @8920 has 2 MA's), (Start: 218 @8866 has 20 MA's), (230, 8851), (297, 8764), (310, 8731), (335, 8686), (341, 8671), (384, 8569), (397, 8527), (468, 8386), (470, 8383),

Gene: Stargaze_52 Start: 38445, Stop: 39032, Start Num: 238
Candidate Starts for Stargaze_52:
(91, 38190), (210, 38406), (Start: 238 @38445 has 85 MA's), (265, 38493), (309, 38598), (331, 38640), (332, 38643), (375, 38751), (394, 38817), (395, 38820), (397, 38826), (426, 38901), (432, 38928),

Gene: Statler_55 Start: 41776, Stop: 41204, Start Num: 194
Candidate Starts for Statler_55:
(86, 42001), (150, 41836), (Start: 194 @41776 has 73 MA's), (228, 41710), (319, 41572), (324, 41563), (331, 41545), (374, 41437), (379, 41422), (383, 41413), (397, 41368), (400, 41356), (439, 41281), (455, 41251), (470, 41227),

Gene: Stichling_63 Start: 49536, Stop: 50171, Start Num: 194
Candidate Starts for Stichling_63:
(148, 49458), (Start: 194 @49536 has 73 MA's), (287, 49683), (334, 49773), (350, 49812), (354, 49827), (374, 49872), (377, 49881), (394, 49941), (405, 49974), (428, 50034), (445, 50073),

Gene: Stinger_5 Start: 4681, Stop: 4121, Start Num: 200
Candidate Starts for Stinger_5:
(Start: 200 @4681 has 35 MA's), (297, 4525), (303, 4513), (310, 4492), (331, 4456), (346, 4414), (349, 4408), (372, 4357), (374, 4351), (397, 4282), (427, 4216), (428, 4213), (432, 4201), (433, 4198), (468, 4144),

Gene: StinkyVeggy_8 Start: 6203, Stop: 5637, Start Num: 200
Candidate Starts for StinkyVeggy_8:
(25, 6839), (27, 6767), (33, 6701), (137, 6317), (166, 6263), (171, 6257), (Start: 186 @6227 has 6 MA's), (Start: 200 @6203 has 35 MA's), (297, 6044), (333, 5966), (349, 5924), (358, 5900), (372, 5873), (397, 5798), (398, 5795), (451, 5687), (455, 5681), (468, 5660), (477, 5648),

Gene: StorminNorm_67 Start: 50648, Stop: 51283, Start Num: 192
Candidate Starts for StorminNorm_67:
(Start: 192 @50648 has 47 MA's), (334, 50885), (350, 50924), (354, 50939), (370, 50969), (372, 50978), (375, 50987), (405, 51086), (428, 51146), (445, 51185),

Gene: StrawberryJamm_57 Start: 41442, Stop: 40867, Start Num: 186
Candidate Starts for StrawberryJamm_57:
(Start: 186 @41442 has 6 MA's), (228, 41373), (319, 41235), (324, 41226), (331, 41208), (374, 41100), (379, 41085), (383, 41076), (397, 41031), (400, 41019), (439, 40944), (455, 40914), (470, 40890),

Gene: Struggle_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Struggle_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Stultus_64 Start: 50652, Stop: 51290, Start Num: 192
Candidate Starts for Stultus_64:

(85, 50421), (90, 50445), (Start: 128 @50550 has 1 MA's), (Start: 157 @50598 has 5 MA's), (Start: 172 @50619 has 3 MA's), (Start: 192 @50652 has 47 MA's), (247, 50736), (287, 50802), (334, 50892), (350, 50931), (354, 50946), (375, 50994), (377, 51000), (405, 51093), (438, 51174), (462, 51231),

Gene: Suffolk_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Suffolk_6:
(Start: 199 @3917 has 359 MA's), (Start: 211 @3887 has 3 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Suigeneris_8 Start: 6217, Stop: 5651, Start Num: 200
Candidate Starts for Suigeneris_8:
(Start: 200 @6217 has 35 MA's), (230, 6160), (297, 6058), (333, 5980), (349, 5938), (358, 5914), (372, 5887), (376, 5875), (400, 5800), (423, 5773), (451, 5701), (455, 5695),

Gene: Sunfish_68 Start: 44153, Stop: 43554, Start Num: 248
Candidate Starts for Sunfish_68:
(Start: 248 @44153 has 1 MA's), (296, 44057), (312, 44021), (338, 43964), (342, 43955), (349, 43940), (367, 43898), (386, 43844), (387, 43835), (393, 43808), (424, 43748), (425, 43739), (429, 43718), (445, 43685), (451, 43670), (465, 43643), (479, 43631),

Gene: Surely_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Surely_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: SwainyDoc_8 Start: 5411, Stop: 4860, Start Num: 199
Candidate Starts for SwainyDoc_8:
(Start: 159 @5483 has 7 MA's), (Start: 199 @5411 has 359 MA's), (265, 5330), (281, 5303), (297, 5264), (310, 5231), (316, 5219), (384, 5066), (397, 5024), (414, 4991), (427, 4958), (455, 4907), (470, 4880),

Gene: Sweets_50 Start: 36909, Stop: 37499, Start Num: 238
Candidate Starts for Sweets_50:
(15, 36237), (16, 36240), (69, 36531), (109, 36660), (139, 36732), (208, 36855), (219, 36876), (Start: 225 @36882 has 73 MA's), (Start: 238 @36909 has 85 MA's), (265, 36957), (306, 37053), (317, 37080), (330, 37101), (332, 37107), (339, 37131), (376, 37218), (387, 37248), (394, 37281), (397, 37290), (410, 37329), (426, 37368), (432, 37395), (469, 37464),

Gene: Swish_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Swish_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: SynergyX_8 Start: 5414, Stop: 4863, Start Num: 199
Candidate Starts for SynergyX_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: TA17A_9 Start: 6357, Stop: 7049, Start Num: 133
Candidate Starts for TA17A_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (144, 6378), (Start: 146 @6381 has 1 MA's), (Start: 199 @6474 has 359 MA's), (228, 6531), (244, 6543), (254, 6561), (303, 6654), (306, 6663), (346, 6753),

(347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: TP1604_60 Start: 48765, Stop: 49355, Start Num: 229
Candidate Starts for TP1604_60:
(Start: 229 @48765 has 11 MA's), (272, 48816), (284, 48840), (292, 48867), (303, 48891), (316, 48924), (331, 48951), (332, 48954), (342, 48984), (358, 49023), (367, 49038), (376, 49065), (377, 49068), (403, 49158), (416, 49173), (419, 49179), (432, 49227), (450, 49257), (467, 49293),

Gene: TPA2_15 Start: 7500, Stop: 6925, Start Num: 196
Candidate Starts for TPA2_15:
(Start: 196 @7500 has 24 MA's), (205, 7488), (224, 7449), (232, 7440), (264, 7422), (288, 7380), (324, 7302), (330, 7287), (332, 7281), (333, 7278), (398, 7107), (426, 7056), (427, 7044), (470, 6972), (486, 6948), (491, 6936),

Gene: Taheera_49 Start: 36701, Stop: 37288, Start Num: 217
Candidate Starts for Taheera_49:
(Start: 217 @36701 has 4 MA's), (306, 36845), (330, 36893), (332, 36899), (339, 36923), (376, 37010), (394, 37073), (397, 37082), (426, 37157), (432, 37184),

Gene: TallGrassMM_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for TallGrassMM_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Talos_175 Start: 89446, Stop: 89934, Start Num: 220
Candidate Starts for Talos_175:
(Start: 220 @89446 has 7 MA's), (298, 89581), (307, 89602), (309, 89608), (333, 89662), (349, 89704), (383, 89785), (397, 89830), (432, 89911),

Gene: Tangent_71 Start: 51275, Stop: 51913, Start Num: 192
Candidate Starts for Tangent_71:
(Start: 192 @51275 has 47 MA's), (287, 51425), (332, 51506), (334, 51515), (350, 51554), (354, 51569), (375, 51617), (405, 51716), (438, 51797), (462, 51854),

Gene: Tangerine_67 Start: 50157, Stop: 50792, Start Num: 192
Candidate Starts for Tangerine_67:
(Start: 192 @50157 has 47 MA's), (334, 50394), (350, 50433), (354, 50448), (370, 50478), (372, 50487), (375, 50496), (405, 50595), (445, 50694),

Gene: Tardus_66 Start: 50008, Stop: 50655, Start Num: 194
Candidate Starts for Tardus_66:
(Start: 194 @50008 has 73 MA's), (Start: 238 @50086 has 85 MA's), (261, 50128), (265, 50134), (303, 50200), (350, 50302), (354, 50317), (362, 50332), (380, 50377), (383, 50386), (401, 50452), (405, 50461), (441, 50539), (493, 50644),

Gene: Teehee_54 Start: 42215, Stop: 41637, Start Num: 194
Candidate Starts for Teehee_54:
(80, 42458), (138, 42296), (Start: 194 @42215 has 73 MA's), (276, 42104), (324, 41999), (367, 41894), (383, 41849), (385, 41843), (397, 41804), (402, 41789), (428, 41735), (470, 41660),

Gene: Telesworld_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Telesworld_6:

(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Tempo_61 Start: 42398, Stop: 41835, Start Num: 194
Candidate Starts for Tempo_61:
(Start: 194 @42398 has 73 MA's), (295, 42254), (398, 41999), (400, 41990), (432, 41921), (470, 41858),

Gene: Terralys_48 Start: 36848, Stop: 37438, Start Num: 238
Candidate Starts for Terralys_48:
(15, 36176), (16, 36179), (69, 36470), (109, 36599), (139, 36671), (208, 36794), (219, 36815), (Start: 225 @36821 has 73 MA's), (Start: 238 @36848 has 85 MA's), (265, 36896), (306, 36992), (317, 37019), (330, 37040), (332, 37046), (339, 37070), (376, 37157), (387, 37187), (394, 37220), (397, 37229), (410, 37268), (426, 37307), (432, 37334), (469, 37403),

Gene: Terror_49 Start: 36701, Stop: 37288, Start Num: 217
Candidate Starts for Terror_49:
(Start: 217 @36701 has 4 MA's), (306, 36845), (330, 36893), (332, 36899), (339, 36923), (376, 37010), (394, 37073), (397, 37082), (426, 37157), (432, 37184),

Gene: Thales_94 Start: 75727, Stop: 76236, Start Num: 241
Candidate Starts for Thales_94:
(215, 75673), (Start: 241 @75727 has 2 MA's), (251, 75742), (254, 75748), (289, 75817), (314, 75889), (323, 75907), (326, 75916), (328, 75925), (331, 75931), (333, 75937), (344, 75967), (349, 75979), (387, 76078), (396, 76114), (397, 76117), (412, 76153), (426, 76174), (428, 76189), (437, 76207), (448, 76231),

Gene: Thing3_67 Start: 51068, Stop: 51706, Start Num: 192
Candidate Starts for Thing3_67:
(Start: 192 @51068 has 47 MA's), (287, 51218), (332, 51299), (334, 51308), (350, 51347), (354, 51362), (375, 51410), (405, 51509), (438, 51590), (462, 51647),

Gene: Thonko_3 Start: 2519, Stop: 1968, Start Num: 199
Candidate Starts for Thonko_3:
(Start: 199 @2519 has 359 MA's), (297, 2369), (351, 2252), (397, 2129), (398, 2126), (468, 1991),

Gene: Thora_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Thora_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: ThreeOh3D2_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for ThreeOh3D2_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Tiamoceli_62 Start: 46644, Stop: 47270, Start Num: 194
Candidate Starts for Tiamoceli_62:
(Start: 194 @46644 has 73 MA's), (226, 46701), (275, 46785), (315, 46857), (331, 46887), (371, 46986), (401, 47088), (428, 47148), (453, 47202), (460, 47217),

Gene: TillyBobJoe_63 Start: 47091, Stop: 47690, Start Num: 225
Candidate Starts for TillyBobJoe_63:

(3, 46149), (4, 46155), (5, 46161), (6, 46167), (8, 46173), (10, 46197), (19, 46320), (41, 46635), (108, 46863), (Start: 225 @47091 has 73 MA's), (377, 47406), (383, 47421), (394, 47466), (422, 47523), (428, 47556), (431, 47565), (449, 47595), (453, 47607), (473, 47643), (488, 47673),

Gene: Timmi_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Timmi_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: TinaBug_51 Start: 36909, Stop: 37499, Start Num: 238
Candidate Starts for TinaBug_51:
(15, 36237), (16, 36240), (69, 36531), (109, 36660), (139, 36732), (208, 36855), (219, 36876), (Start: 225 @36882 has 73 MA's), (Start: 238 @36909 has 85 MA's), (265, 36957), (306, 37053), (317, 37080), (330, 37101), (332, 37107), (339, 37131), (376, 37218), (387, 37248), (394, 37281), (397, 37290), (410, 37329), (426, 37368), (432, 37395), (469, 37464),

Gene: Tinciduntsolum_10 Start: 6590, Stop: 7165, Start Num: 199
Candidate Starts for Tinciduntsolum_10:
(123, 6455), (Start: 133 @6473 has 3 MA's), (144, 6494), (Start: 146 @6497 has 1 MA's), (Start: 199 @6590 has 359 MA's), (228, 6647), (244, 6659), (254, 6677), (303, 6770), (306, 6779), (346, 6869), (347, 6872), (349, 6875), (366, 6911), (379, 6947), (383, 6956), (397, 7001), (398, 7004), (400, 7013), (429, 7073), (431, 7079), (432, 7082), (455, 7118), (470, 7142), (477, 7151),

Gene: TinyTerror_8 Start: 5417, Stop: 4866, Start Num: 199
Candidate Starts for TinyTerror_8:
(Start: 157 @5492 has 5 MA's), (167, 5474), (Start: 199 @5417 has 359 MA's), (265, 5336), (281, 5309), (297, 5270), (310, 5237), (316, 5225), (384, 5072), (397, 5030), (414, 4997), (427, 4964), (455, 4913), (470, 4886),

Gene: Tissue_55 Start: 41854, Stop: 41282, Start Num: 194
Candidate Starts for Tissue_55:
(141, 41941), (Start: 194 @41854 has 73 MA's), (228, 41788), (319, 41650), (324, 41641), (331, 41623), (374, 41515), (379, 41500), (383, 41491), (397, 41446), (400, 41434), (439, 41359), (455, 41329), (470, 41305),

Gene: Toast_74 Start: 46525, Stop: 47115, Start Num: 225
Candidate Starts for Toast_74:
(Start: 225 @46525 has 73 MA's), (311, 46702), (332, 46735), (335, 46747), (339, 46759), (342, 46765), (362, 46810), (390, 46891), (432, 47017), (453, 47056),

Gene: Togo_62 Start: 47232, Stop: 47831, Start Num: 225
Candidate Starts for Togo_62:
(3, 46362), (4, 46368), (5, 46374), (6, 46380), (8, 46386), (108, 47004), (Start: 225 @47232 has 73 MA's), (342, 47466), (383, 47562), (394, 47607), (422, 47664), (428, 47697), (431, 47706), (449, 47736), (453, 47748), (473, 47784), (488, 47814),

Gene: TomBombadil_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for TomBombadil_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: TomBrady_51 Start: 36915, Stop: 37505, Start Num: 238
Candidate Starts for TomBrady_51:

(15, 36243), (16, 36246), (69, 36537), (109, 36666), (139, 36738), (208, 36861), (219, 36882), (Start: 225 @36888 has 73 MA's), (Start: 238 @36915 has 85 MA's), (265, 36963), (306, 37059), (317, 37086), (330, 37107), (332, 37113), (339, 37137), (376, 37224), (387, 37254), (394, 37287), (397, 37296), (410, 37335), (426, 37374), (432, 37401), (469, 37470),

Gene: Tomlarah_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Tomlarah_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513),

Gene: Toneprano_112 Start: 79377, Stop: 79952, Start Num: 245
Candidate Starts for Toneprano_112:
(Start: 245 @79377 has 14 MA's), (251, 79386), (259, 79407), (284, 79446), (310, 79524), (320, 79542), (331, 79572), (336, 79590), (360, 79650), (388, 79725), (408, 79788), (428, 79848), (440, 79872), (443, 79881),

Gene: Toni_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Toni_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (226, 3865), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: TooFast2Furius_7 Start: 4153, Stop: 3599, Start Num: 199
Candidate Starts for TooFast2Furius_7:
(Start: 199 @4153 has 359 MA's), (Start: 218 @4108 has 20 MA's), (226, 4099), (297, 4003), (333, 3928), (346, 3892), (349, 3886), (398, 3757), (400, 3748), (457, 3637),

Gene: Tooj_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Tooj_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: TraderJ_8 Start: 6369, Stop: 5818, Start Num: 196
Candidate Starts for TraderJ_8:
(151, 6429), (161, 6414), (164, 6408), (Start: 196 @6369 has 24 MA's), (Start: 218 @6324 has 20 MA's), (224, 6318), (299, 6231), (307, 6213), (319, 6189), (331, 6162), (332, 6159), (333, 6156), (374, 6057), (400, 5976), (432, 5904), (449, 5883), (480, 5829),

Gene: Tres_9 Start: 6474, Stop: 7049, Start Num: 199
Candidate Starts for Tres_9:
(123, 6339), (Start: 133 @6357 has 3 MA's), (136, 6360), (142, 6372), (144, 6378), (Start: 199 @6474 has 359 MA's), (Start: 245 @6546 has 14 MA's), (260, 6573), (303, 6654), (306, 6663), (346, 6753), (347, 6756), (349, 6759), (366, 6795), (379, 6831), (383, 6840), (397, 6885), (398, 6888), (400, 6897), (429, 6957), (431, 6963), (432, 6966), (455, 7002), (470, 7026), (477, 7035),

Gene: Triad_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Triad_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: True_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for True_6:
(Start: 199 @3916 has 359 MA's), (Start: 211 @3886 has 3 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Trypo_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Trypo_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Twin_110 Start: 79407, Stop: 79982, Start Num: 245
Candidate Starts for Twin_110:
(Start: 245 @79407 has 14 MA's), (251, 79416), (259, 79437), (284, 79476), (310, 79554), (320, 79572), (331, 79602), (336, 79620), (360, 79680), (388, 79755), (408, 79818), (428, 79878), (440, 79902), (443, 79911),

Gene: Twister6_65 Start: 46992, Stop: 47591, Start Num: 225
Candidate Starts for Twister6_65:
(9, 46068), (11, 46077), (17, 46158), (108, 46764), (Start: 225 @46992 has 73 MA's), (342, 47226), (383, 47322), (394, 47367), (422, 47424), (428, 47457), (431, 47466), (449, 47496), (453, 47508), (473, 47544), (488, 47574),

Gene: Twonlo_60 Start: 45734, Stop: 46360, Start Num: 194
Candidate Starts for Twonlo_60:
(Start: 194 @45734 has 73 MA's), (226, 45791), (275, 45875), (315, 45947), (331, 45977), (371, 46076), (401, 46178), (428, 46238), (453, 46292), (460, 46307),

Gene: Tycho_65 Start: 49973, Stop: 50608, Start Num: 192
Candidate Starts for Tycho_65:
(Start: 192 @49973 has 47 MA's), (334, 50210), (350, 50249), (354, 50264), (370, 50294), (372, 50303), (375, 50312), (428, 50471), (445, 50510),

Gene: Tydolla_8 Start: 6251, Stop: 5625, Start Num: 157
Candidate Starts for Tydolla_8:
(Start: 157 @6251 has 5 MA's), (167, 6233), (Start: 199 @6176 has 359 MA's), (Start: 211 @6146 has 3 MA's), (265, 6095), (281, 6068), (297, 6029), (310, 5996), (316, 5984), (384, 5831), (397, 5789), (414, 5756), (427, 5723), (455, 5672), (470, 5645),

Gene: Typha_83 Start: 54897, Stop: 55466, Start Num: 238
Candidate Starts for Typha_83:
(173, 54768), (175, 54771), (193, 54807), (Start: 238 @54897 has 85 MA's), (277, 54963), (310, 55053), (311, 55056), (331, 55086), (332, 55089), (354, 55146), (367, 55170), (372, 55185), (375, 55194), (376, 55197), (377, 55200), (381, 55212), (397, 55260), (413, 55281), (436, 55347), (449, 55368), (462, 55401), (477, 55422), (484, 55434),

Gene: TyrionL_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for TyrionL_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: UAch1_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for UAch1_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: UBSmoodge_117 Start: 82495, Stop: 83070, Start Num: 245
Candidate Starts for UBSmoodge_117:

(Start: 245 @82495 has 14 MA's), (290, 82579), (297, 82609), (331, 82690), (336, 82708), (337, 82711), (353, 82753), (370, 82786), (387, 82840), (388, 82843), (428, 82966), (443, 82999), (448, 83011),

Gene: Ubuntu_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Ubuntu_74:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: UmaThurman_76 Start: 46447, Stop: 47037, Start Num: 225
Candidate Starts for UmaThurman_76:
(Start: 225 @46447 has 73 MA's), (335, 46669), (339, 46681), (342, 46687), (362, 46732), (371, 46750), (376, 46768), (377, 46771), (389, 46810), (390, 46813), (432, 46939), (471, 47011),

Gene: UncleHowie_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for UncleHowie_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Usavi_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Usavi_6:
(Start: 199 @3915 has 359 MA's), (Start: 211 @3885 has 3 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Utz_66 Start: 46364, Stop: 46954, Start Num: 225
Candidate Starts for Utz_66:
(Start: 225 @46364 has 73 MA's), (335, 46586), (339, 46598), (342, 46604), (362, 46649), (371, 46667), (377, 46688), (390, 46730), (432, 46856), (471, 46928),

Gene: VWB_43 Start: 34626, Stop: 35402, Start Num: 116
Candidate Starts for VWB_43:
(85, 34524), (95, 34557), (116, 34626), (121, 34641), (149, 34692), (155, 34701), (164, 34716), (207, 34800), (Start: 218 @34818 has 20 MA's), (250, 34869), (257, 34884), (280, 34920), (290, 34944), (304, 34986), (332, 35043), (344, 35070), (349, 35082), (354, 35094), (362, 35109), (372, 35133), (397, 35208), (470, 35364),

Gene: Vaishali24_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Vaishali24_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Valary_64 Start: 47836, Stop: 48438, Start Num: 225
Candidate Starts for Valary_64:
(Start: 225 @47836 has 73 MA's), (344, 48076), (377, 48154), (383, 48169), (394, 48214), (400, 48235), (428, 48304), (429, 48307), (431, 48313), (449, 48343), (453, 48355), (488, 48421),

Gene: ValentiniPuff_108 Start: 60343, Stop: 60918, Start Num: 243
Candidate Starts for ValentiniPuff_108:
(Start: 243 @60343 has 1 MA's), (272, 60385), (291, 60430), (306, 60463), (309, 60472), (319, 60493), (333, 60520), (382, 60643), (387, 60655), (394, 60688), (395, 60691), (398, 60700), (417, 60721), (432, 60772), (447, 60796), (453, 60811),

Gene: Valjean_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Valjean_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: VanDeWege_65 Start: 47176, Stop: 47778, Start Num: 225
Candidate Starts for VanDeWege_65:
(Start: 225 @47176 has 73 MA's), (344, 47416), (377, 47494), (383, 47509), (394, 47554), (400, 47575), (428, 47644), (429, 47647), (431, 47653), (449, 47683), (453, 47695), (488, 47761),

Gene: Vaticameos_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Vaticameos_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: Vectra_6 Start: 3917, Stop: 3363, Start Num: 199
Candidate Starts for Vectra_6:
(Start: 199 @3917 has 359 MA's), (Start: 218 @3872 has 20 MA's), (226, 3863), (297, 3767), (333, 3692), (346, 3656), (349, 3650), (398, 3521), (400, 3512), (457, 3401),

Gene: Veritas_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Veritas_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Verity_65 Start: 50949, Stop: 51596, Start Num: 194
Candidate Starts for Verity_65:
(110, 50787), (112, 50793), (118, 50811), (164, 50898), (Start: 194 @50949 has 73 MA's), (Start: 238 @51027 has 85 MA's), (261, 51069), (265, 51075), (275, 51090), (303, 51141), (331, 51192), (354, 51258), (401, 51393), (405, 51402), (441, 51480), (453, 51507), (493, 51585),

Gene: ViaConlectus_65 Start: 48514, Stop: 49161, Start Num: 192
Candidate Starts for ViaConlectus_65:
(Start: 192 @48514 has 47 MA's), (Start: 238 @48592 has 85 MA's), (261, 48634), (265, 48640), (303, 48706), (350, 48808), (354, 48823), (380, 48883), (383, 48892), (401, 48958), (405, 48967), (441, 49045), (453, 49072), (493, 49150),

Gene: Vic9_00009 Start: 6917, Stop: 7492, Start Num: 199
Candidate Starts for Vic9_00009:
(123, 6782), (Start: 133 @6800 has 3 MA's), (136, 6803), (142, 6815), (144, 6821), (Start: 199 @6917 has 359 MA's), (Start: 245 @6989 has 14 MA's), (260, 7016), (303, 7097), (306, 7106), (346, 7196), (347, 7199), (349, 7202), (366, 7238), (379, 7274), (383, 7283), (397, 7328), (398, 7331), (400, 7340), (428, 7397), (429, 7400), (431, 7406), (432, 7409), (455, 7445), (470, 7469), (477, 7478),

Gene: Viceroy_52 Start: 41115, Stop: 40537, Start Num: 194
Candidate Starts for Viceroy_52:
(80, 41358), (138, 41196), (Start: 194 @41115 has 73 MA's), (276, 41004), (324, 40899), (367, 40794), (383, 40749), (385, 40743), (397, 40704), (402, 40689), (428, 40635), (470, 40560),

Gene: Vincenzo_8 Start: 6947, Stop: 6363, Start Num: 200
Candidate Starts for Vincenzo_8:

(Start: 200 @6947 has 35 MA's), (258, 6842), (297, 6773), (333, 6695), (349, 6653), (353, 6641), (358, 6629), (372, 6602), (377, 6587), (397, 6527), (414, 6494), (429, 6452), (444, 6428),

Gene: VioletZ_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for VioletZ_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (376, 5904), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Violeta_39 Start: 22660, Stop: 23223, Start Num: 218
Candidate Starts for Violeta_39:
(Start: 218 @22660 has 20 MA's), (228, 22672), (246, 22690), (288, 22753), (300, 22795), (315, 22831), (316, 22834), (336, 22885), (343, 22900), (348, 22912), (360, 22945), (363, 22951), (395, 23041), (397, 23047), (400, 23059), (428, 23113),

Gene: Virapocalypse_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Virapocalypse_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Virgeve_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Virgeve_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Vista_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Vista_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (226, 3864), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Vivaldi_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Vivaldi_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: Vivi2_73 Start: 52330, Stop: 52968, Start Num: 192
Candidate Starts for Vivi2_73:
(Start: 192 @52330 has 47 MA's), (287, 52480), (334, 52570), (350, 52609), (354, 52624), (375, 52672), (377, 52678), (405, 52771), (438, 52852), (462, 52909),

Gene: Vortex_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Vortex_6:
(Start: 199 @3919 has 359 MA's), (Start: 211 @3889 has 3 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Waleliano_7 Start: 6243, Stop: 5680, Start Num: 200
Candidate Starts for Waleliano_7:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (364, 5934), (376, 5904), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Wallhey_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Wallhey_6:

(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Walrus_73 Start: 47019, Stop: 47603, Start Num: 225
Candidate Starts for Walrus_73:
(214, 47004), (Start: 225 @47019 has 73 MA's), (261, 47085), (270, 47100), (304, 47172), (331, 47223), (332, 47226), (333, 47229), (350, 47268), (357, 47289), (389, 47376), (400, 47427), (411, 47436), (432, 47496),

Gene: Warren_37 Start: 22612, Stop: 23184, Start Num: 218
Candidate Starts for Warren_37:
(Start: 218 @22612 has 20 MA's), (246, 22642), (300, 22756), (310, 22783), (321, 22804), (336, 22846), (343, 22861), (348, 22873), (365, 22915), (395, 23002), (397, 23008), (400, 23020), (428, 23074),

Gene: Waterdiva_6 Start: 3919, Stop: 3365, Start Num: 199
Candidate Starts for Waterdiva_6:
(Start: 199 @3919 has 359 MA's), (Start: 218 @3874 has 20 MA's), (297, 3769), (333, 3694), (346, 3658), (349, 3652), (398, 3523), (400, 3514), (457, 3403),

Gene: Wayne3_55 Start: 41978, Stop: 41400, Start Num: 194
Candidate Starts for Wayne3_55:
(80, 42221), (138, 42059), (Start: 194 @41978 has 73 MA's), (276, 41867), (324, 41762), (367, 41657), (383, 41612), (385, 41606), (397, 41567), (402, 41552), (428, 41498), (470, 41423),

Gene: Webster2_74 Start: 48245, Stop: 48856, Start Num: 222
Candidate Starts for Webster2_74:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Weher20_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for Weher20_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510),

Gene: Weirdo19_69 Start: 44467, Stop: 45291, Start Num: 128
Candidate Starts for Weirdo19_69:
(67, 44290), (Start: 128 @44467 has 1 MA's), (201, 44593), (232, 44650), (280, 44746), (304, 44812), (311, 44833), (332, 44884), (344, 44917), (360, 44956), (376, 44995), (392, 45046), (409, 45130), (424, 45154), (432, 45193), (436, 45199), (482, 45280),

Gene: Wendigo_51 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Wendigo_51:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: West99_9 Start: 6591, Stop: 7166, Start Num: 199
Candidate Starts for West99_9:

(123, 6456), (Start: 133 @6474 has 3 MA's), (144, 6495), (Start: 146 @6498 has 1 MA's), (Start: 199 @6591 has 359 MA's), (228, 6648), (244, 6660), (254, 6678), (303, 6771), (306, 6780), (346, 6870), (347, 6873), (349, 6876), (366, 6912), (379, 6948), (383, 6957), (397, 7002), (398, 7005), (400, 7014), (429, 7074), (431, 7080), (432, 7083), (455, 7119), (470, 7143), (477, 7152),

Gene: Whack_67 Start: 43772, Stop: 44335, Start Num: 218
Candidate Starts for Whack_67:
(168, 43679), (180, 43697), (203, 43742), (206, 43751), (Start: 218 @43772 has 20 MA's), (283, 43859), (286, 43868), (315, 43946), (322, 43961), (327, 43973), (345, 44024), (361, 44069), (377, 44108), (400, 44180), (432, 44249), (452, 44285), (474, 44324),

Gene: WheelerS25_60 Start: 42747, Stop: 42172, Start Num: 186
Candidate Starts for WheelerS25_60:
(Start: 186 @42747 has 6 MA's), (228, 42678), (319, 42540), (324, 42531), (331, 42513), (374, 42405), (379, 42390), (383, 42381), (397, 42336), (400, 42324), (439, 42249), (455, 42219), (470, 42195),

Gene: Wheelie_53 Start: 41299, Stop: 40721, Start Num: 194
Candidate Starts for Wheelie_53:
(80, 41542), (138, 41380), (Start: 194 @41299 has 73 MA's), (276, 41188), (324, 41083), (367, 40978), (383, 40933), (385, 40927), (397, 40888), (402, 40873), (428, 40819), (470, 40744),

Gene: Wilca_61 Start: 42242, Stop: 41679, Start Num: 194
Candidate Starts for Wilca_61:
(144, 42308), (149, 42299), (Start: 194 @42242 has 73 MA's), (331, 42020), (397, 41846), (398, 41843), (400, 41834), (432, 41765), (470, 41702),

Gene: William_77 Start: 47824, Stop: 48414, Start Num: 225
Candidate Starts for William_77:
(26, 47206), (74, 47485), (99, 47560), (Start: 225 @47824 has 73 MA's), (335, 48046), (339, 48058), (342, 48064), (362, 48109), (376, 48145), (377, 48148), (390, 48190), (432, 48316),

Gene: Winchester007_39 Start: 22703, Stop: 23266, Start Num: 218
Candidate Starts for Winchester007_39:
(Start: 218 @22703 has 20 MA's), (228, 22715), (246, 22733), (288, 22796), (300, 22838), (315, 22874), (316, 22877), (336, 22928), (343, 22943), (348, 22955), (360, 22988), (363, 22994), (395, 23084), (397, 23090), (400, 23102), (428, 23156), (441, 23183),

Gene: Windsor_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Windsor_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (226, 3862), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511),

Gene: Wishmaker_67 Start: 48164, Stop: 48856, Start Num: 178
Candidate Starts for Wishmaker_67:
(70, 47927), (Start: 178 @48164 has 10 MA's), (181, 48173), (206, 48215), (Start: 222 @48245 has 17 MA's), (266, 48326), (303, 48410), (311, 48434), (316, 48443), (332, 48473), (344, 48506), (372, 48572), (385, 48608), (396, 48662), (403, 48686), (405, 48689), (421, 48704), (427, 48731), (432, 48746), (438, 48755), (449, 48773), (455, 48788),

Gene: Wisp_71 Start: 46479, Stop: 47069, Start Num: 225
Candidate Starts for Wisp_71:
(Start: 225 @46479 has 73 MA's), (335, 46701), (339, 46713), (342, 46719), (371, 46782), (376, 46800), (377, 46803), (389, 46842), (390, 46845), (432, 46971), (471, 47043),

Gene: Wizard_61 Start: 47082, Stop: 47684, Start Num: 225
Candidate Starts for Wizard_61:
(Start: 225 @47082 has 73 MA's), (344, 47322), (377, 47400), (383, 47415), (394, 47460), (400, 47481), (428, 47550), (429, 47553), (431, 47559), (449, 47589), (453, 47601), (488, 47667),

Gene: Wocket_74 Start: 46904, Stop: 47488, Start Num: 225
Candidate Starts for Wocket_74:
(Start: 225 @46904 has 73 MA's), (270, 46985), (304, 47057), (332, 47111), (333, 47114), (350, 47153), (357, 47174), (397, 47300), (400, 47312), (411, 47321), (432, 47381),

Gene: Wooper_8 Start: 6372, Stop: 5821, Start Num: 196
Candidate Starts for Wooper_8:
(151, 6432), (161, 6417), (164, 6411), (Start: 196 @6372 has 24 MA's), (Start: 218 @6327 has 20 MA's), (224, 6321), (299, 6234), (307, 6216), (319, 6192), (331, 6165), (332, 6162), (333, 6159), (374, 6060), (400, 5979), (432, 5907), (449, 5886), (480, 5832),

Gene: Xavier_6 Start: 3918, Stop: 3364, Start Num: 199
Candidate Starts for Xavier_6:
(Start: 199 @3918 has 359 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Xincheng_7 Start: 5906, Stop: 5340, Start Num: 200
Candidate Starts for Xincheng_7:
(Start: 122 @6038 has 1 MA's), (132, 6020), (166, 5966), (171, 5960), (Start: 186 @5930 has 6 MA's), (Start: 200 @5906 has 35 MA's), (233, 5846), (280, 5792), (297, 5750), (333, 5669), (349, 5627), (358, 5603), (368, 5588), (376, 5564), (377, 5561), (397, 5501), (427, 5435), (428, 5432), (432, 5420), (433, 5417), (468, 5363),

Gene: Xkcd426_61 Start: 53906, Stop: 54505, Start Num: 229
Candidate Starts for Xkcd426_61:
(117, 53699), (Start: 229 @53906 has 11 MA's), (237, 53921), (272, 53981), (303, 54056), (307, 54068), (376, 54233), (394, 54296), (417, 54344), (419, 54347), (426, 54368), (432, 54395), (441, 54410), (472, 54467),

Gene: YDN12_59 Start: 47595, Stop: 48179, Start Num: 229
Candidate Starts for YDN12_59:
(161, 47472), (Start: 229 @47595 has 11 MA's), (272, 47646), (284, 47670), (292, 47697), (303, 47721), (310, 47742), (331, 47781), (342, 47814), (358, 47853), (367, 47868), (377, 47898), (394, 47958), (395, 47961), (403, 47988), (417, 48006), (419, 48009), (426, 48030), (432, 48057), (467, 48123),

Gene: Yago84_5 Start: 4720, Stop: 4193, Start Num: 196
Candidate Starts for Yago84_5:
(Start: 196 @4720 has 24 MA's), (267, 4645), (363, 4450), (365, 4447), (374, 4426), (383, 4402), (385, 4396), (397, 4357), (402, 4342), (414, 4324), (428, 4288), (432, 4276), (474, 4213),

Gene: Yahalom_8 Start: 5486, Stop: 4863, Start Num: 159
Candidate Starts for Yahalom_8:
(Start: 159 @5486 has 7 MA's), (Start: 199 @5414 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: YangYin_52 Start: 38466, Stop: 39053, Start Num: 238
Candidate Starts for YangYin_52:
(91, 38211), (210, 38427), (Start: 238 @38466 has 85 MA's), (265, 38514), (309, 38619), (331, 38661), (332, 38664), (375, 38772), (394, 38838), (395, 38841), (397, 38847), (426, 38922), (432, 38949),

Gene: Yeshua_8 Start: 6376, Stop: 5825, Start Num: 196
Candidate Starts for Yeshua_8:
(118, 6502), (120, 6493), (131, 6472), (151, 6436), (161, 6421), (164, 6415), (Start: 196 @6376 has 24 MA's), (Start: 218 @6331 has 20 MA's), (224, 6325), (299, 6238), (307, 6220), (319, 6196), (331, 6169), (332, 6166), (333, 6163), (400, 5983), (432, 5911), (449, 5890), (480, 5836),

Gene: Yinz_8 Start: 5441, Stop: 4863, Start Num: 199
Candidate Starts for Yinz_8:
(Start: 157 @5516 has 5 MA's), (167, 5498), (Start: 199 @5441 has 359 MA's), (265, 5333), (281, 5306), (297, 5267), (310, 5234), (316, 5222), (384, 5069), (397, 5027), (414, 4994), (427, 4961), (455, 4910), (470, 4883),

Gene: YorkOnyx_68 Start: 50153, Stop: 50788, Start Num: 192
Candidate Starts for YorkOnyx_68:
(Start: 192 @50153 has 47 MA's), (287, 50300), (334, 50390), (350, 50429), (354, 50444), (374, 50489), (377, 50498), (394, 50558), (405, 50591), (445, 50690),

Gene: Yoshand_6 Start: 3916, Stop: 3362, Start Num: 199
Candidate Starts for Yoshand_6:
(Start: 199 @3916 has 359 MA's), (Start: 218 @3871 has 20 MA's), (297, 3766), (333, 3691), (346, 3655), (349, 3649), (398, 3520), (400, 3511), (457, 3400),

Gene: YouGoGlencoco_6 Start: 3915, Stop: 3361, Start Num: 199
Candidate Starts for YouGoGlencoco_6:
(Start: 199 @3915 has 359 MA's), (Start: 218 @3870 has 20 MA's), (226, 3861), (297, 3765), (333, 3690), (346, 3654), (349, 3648), (398, 3519), (400, 3510), (457, 3399),

Gene: YungMoney_63 Start: 49207, Stop: 49806, Start Num: 225
Candidate Starts for YungMoney_63:
(Start: 225 @49207 has 73 MA's), (383, 49537), (394, 49582), (422, 49639), (428, 49672), (431, 49681), (449, 49711), (453, 49723), (473, 49759), (488, 49789),

Gene: Zagie_54 Start: 41639, Stop: 41064, Start Num: 186
Candidate Starts for Zagie_54:
(Start: 186 @41639 has 6 MA's), (228, 41570), (319, 41432), (324, 41423), (331, 41405), (374, 41297), (379, 41282), (383, 41273), (397, 41228), (439, 41141), (455, 41111), (470, 41087),

Gene: Zaider_7 Start: 4148, Stop: 3594, Start Num: 199
Candidate Starts for Zaider_7:
(Start: 199 @4148 has 359 MA's), (Start: 211 @4118 has 3 MA's), (Start: 218 @4103 has 20 MA's), (297, 3998), (333, 3923), (346, 3887), (349, 3881), (398, 3752), (400, 3743), (457, 3632),

Gene: Zarbodnamra_79 Start: 46838, Stop: 47428, Start Num: 225
Candidate Starts for Zarbodnamra_79:
(83, 46565), (87, 46586), (Start: 225 @46838 has 73 MA's), (335, 47060), (339, 47072), (342, 47078), (362, 47123), (371, 47141), (377, 47162), (390, 47204), (432, 47330), (471, 47402),

Gene: Zelda_6 Start: 3918, Stop: 3364, Start Num: 199

Candidate Starts for Zelda_6:
(Start: 199 @3918 has 359 MA's), (Start: 211 @3888 has 3 MA's), (Start: 218 @3873 has 20 MA's), (297, 3768), (333, 3693), (346, 3657), (349, 3651), (398, 3522), (400, 3513), (457, 3402),

Gene: Zemanar_8 Start: 6294, Stop: 5680, Start Num: 174
Candidate Starts for Zemanar_8:
(166, 6303), (Start: 174 @6294 has 4 MA's), (Start: 195 @6252 has 6 MA's), (Start: 200 @6243 has 35 MA's), (297, 6087), (303, 6075), (331, 6015), (346, 5973), (349, 5967), (353, 5955), (372, 5916), (376, 5904), (397, 5841), (414, 5808), (427, 5775), (428, 5772), (432, 5760), (433, 5757), (455, 5724), (468, 5703),

Gene: Zenteno07_11 Start: 5106, Stop: 4525, Start Num: 199
Candidate Starts for Zenteno07_11:
(Start: 188 @5127 has 2 MA's), (Start: 194 @5115 has 73 MA's), (Start: 199 @5106 has 359 MA's), (269, 4998), (280, 4983), (297, 4941), (333, 4863), (349, 4821), (358, 4797), (397, 4686), (398, 4683), (455, 4569), (470, 4545),

Gene: ZestyBestie_51 Start: 41272, Stop: 40697, Start Num: 186
Candidate Starts for ZestyBestie_51:
(Start: 186 @41272 has 6 MA's), (228, 41203), (319, 41065), (324, 41056), (331, 41038), (374, 40930), (379, 40915), (383, 40906), (397, 40861), (400, 40849), (439, 40774), (455, 40744), (470, 40720),

Gene: Zhafia_56 Start: 41779, Stop: 41201, Start Num: 194
Candidate Starts for Zhafia_56:
(80, 42022), (138, 41860), (Start: 194 @41779 has 73 MA's), (276, 41668), (324, 41563), (367, 41458), (383, 41413), (385, 41407), (397, 41368), (402, 41353), (428, 41299), (470, 41224),

Gene: ZiggyZoo_76 Start: 48324, Stop: 48914, Start Num: 225
Candidate Starts for ZiggyZoo_76:
(Start: 225 @48324 has 73 MA's), (335, 48546), (339, 48558), (342, 48564), (362, 48609), (371, 48627), (376, 48645), (377, 48648), (389, 48687), (390, 48690), (432, 48816),

Gene: Zilla_72 Start: 45688, Stop: 46278, Start Num: 225
Candidate Starts for Zilla_72:
(83, 45415), (87, 45436), (Start: 225 @45688 has 73 MA's), (331, 45895), (335, 45910), (339, 45922), (342, 45928), (362, 45973), (377, 46012), (389, 46051), (390, 46054), (432, 46180), (471, 46252),

Gene: Zipp_67 Start: 51011, Stop: 51658, Start Num: 194
Candidate Starts for Zipp_67:
(110, 50849), (112, 50855), (118, 50873), (164, 50960), (Start: 194 @51011 has 73 MA's), (Start: 238 @51089 has 85 MA's), (261, 51131), (265, 51137), (275, 51152), (303, 51203), (350, 51305), (354, 51320), (380, 51380), (383, 51389), (401, 51455), (405, 51464), (441, 51542), (453, 51569), (493, 51647),

Gene: Zitch_68 Start: 49247, Stop: 49894, Start Num: 192
Candidate Starts for Zitch_68:
(Start: 192 @49247 has 47 MA's), (Start: 238 @49325 has 85 MA's), (261, 49367), (265, 49373), (303, 49439), (350, 49541), (354, 49556), (380, 49616), (383, 49625), (401, 49691), (405, 49700), (441, 49778), (453, 49805), (493, 49883),

Gene: ZoMa_49 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for ZoMa_49:

(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Zombie_50 Start: 36914, Stop: 37504, Start Num: 238
Candidate Starts for Zombie_50:
(15, 36242), (16, 36245), (69, 36536), (109, 36665), (139, 36737), (208, 36860), (219, 36881), (Start: 225 @36887 has 73 MA's), (Start: 238 @36914 has 85 MA's), (265, 36962), (306, 37058), (317, 37085), (330, 37106), (332, 37112), (339, 37136), (376, 37223), (387, 37253), (394, 37286), (397, 37295), (410, 37334), (426, 37373), (432, 37400), (469, 37469),

Gene: Zonia_6 Start: 3914, Stop: 3360, Start Num: 199
Candidate Starts for Zonia_6:
(Start: 199 @3914 has 359 MA's), (Start: 218 @3869 has 20 MA's), (226, 3860), (297, 3764), (333, 3689), (346, 3653), (349, 3647), (398, 3518), (400, 3509), (457, 3398),

Gene: pZL12_4c Start: 3305, Stop: 2700, Start Num: 170
Candidate Starts for pZL12_4c:
(170, 3305), (307, 3113), (430, 2810), (457, 2768),

Gene: phiAsp2_46 Start: 36920, Stop: 37414, Start Num: 256
Candidate Starts for phiAsp2_46:
(94, 36587), (119, 36665), (120, 36671), (153, 36728), (256, 36920), (258, 36929), (269, 36947), (307, 37043), (310, 37052), (334, 37094), (342, 37109), (353, 37133), (397, 37250), (432, 37328), (450, 37355), (463, 37385), (465, 37388), (475, 37403),