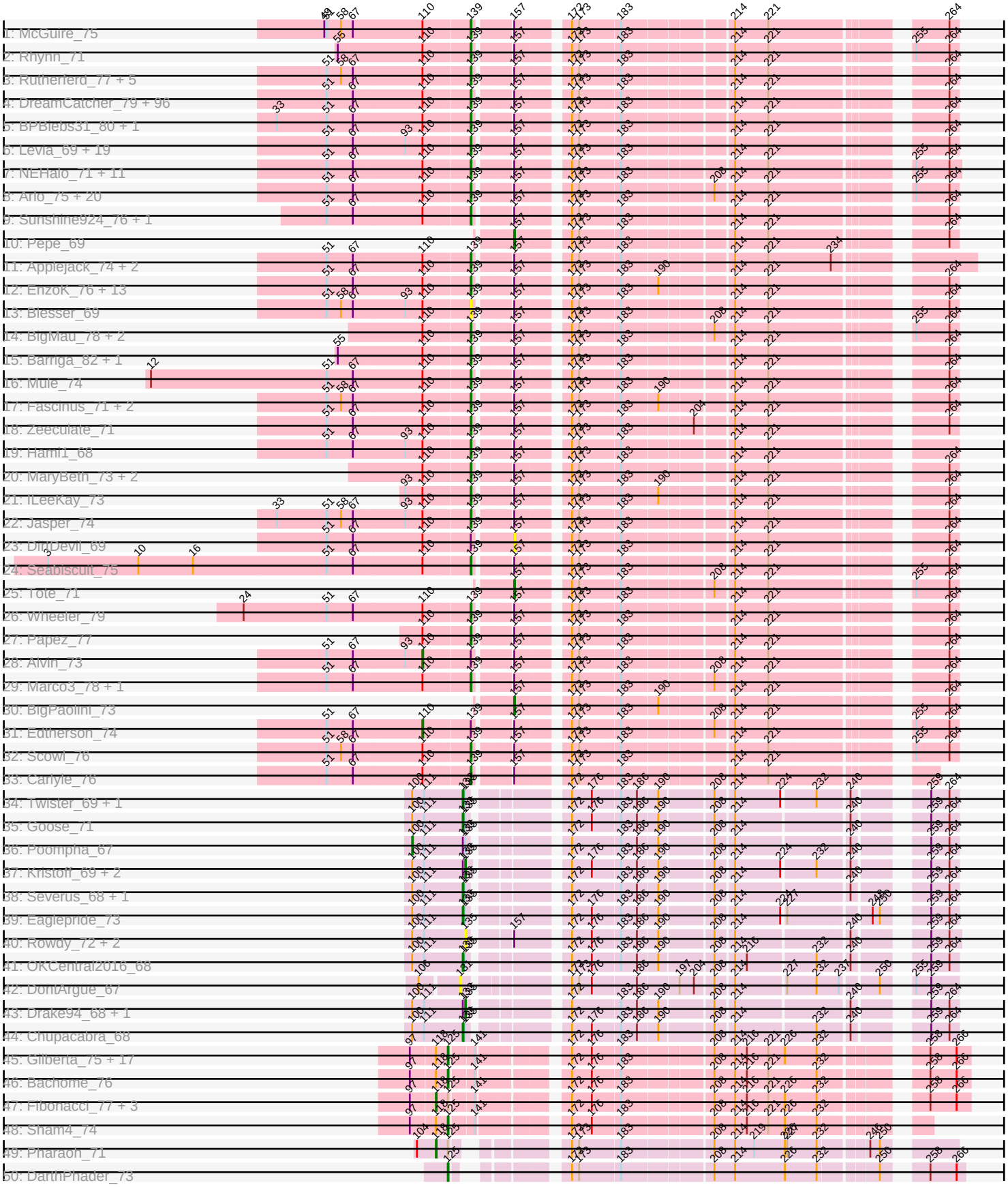
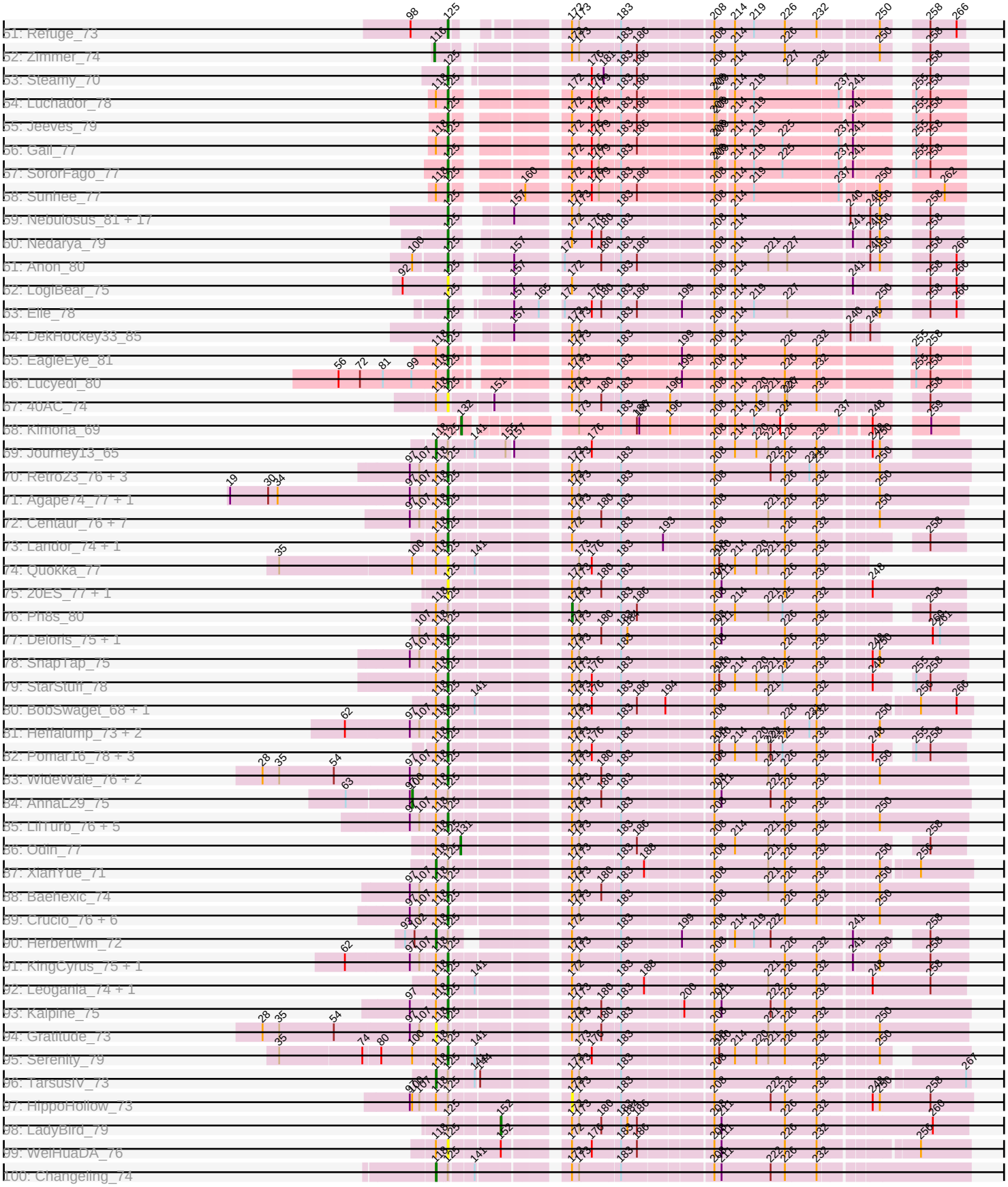
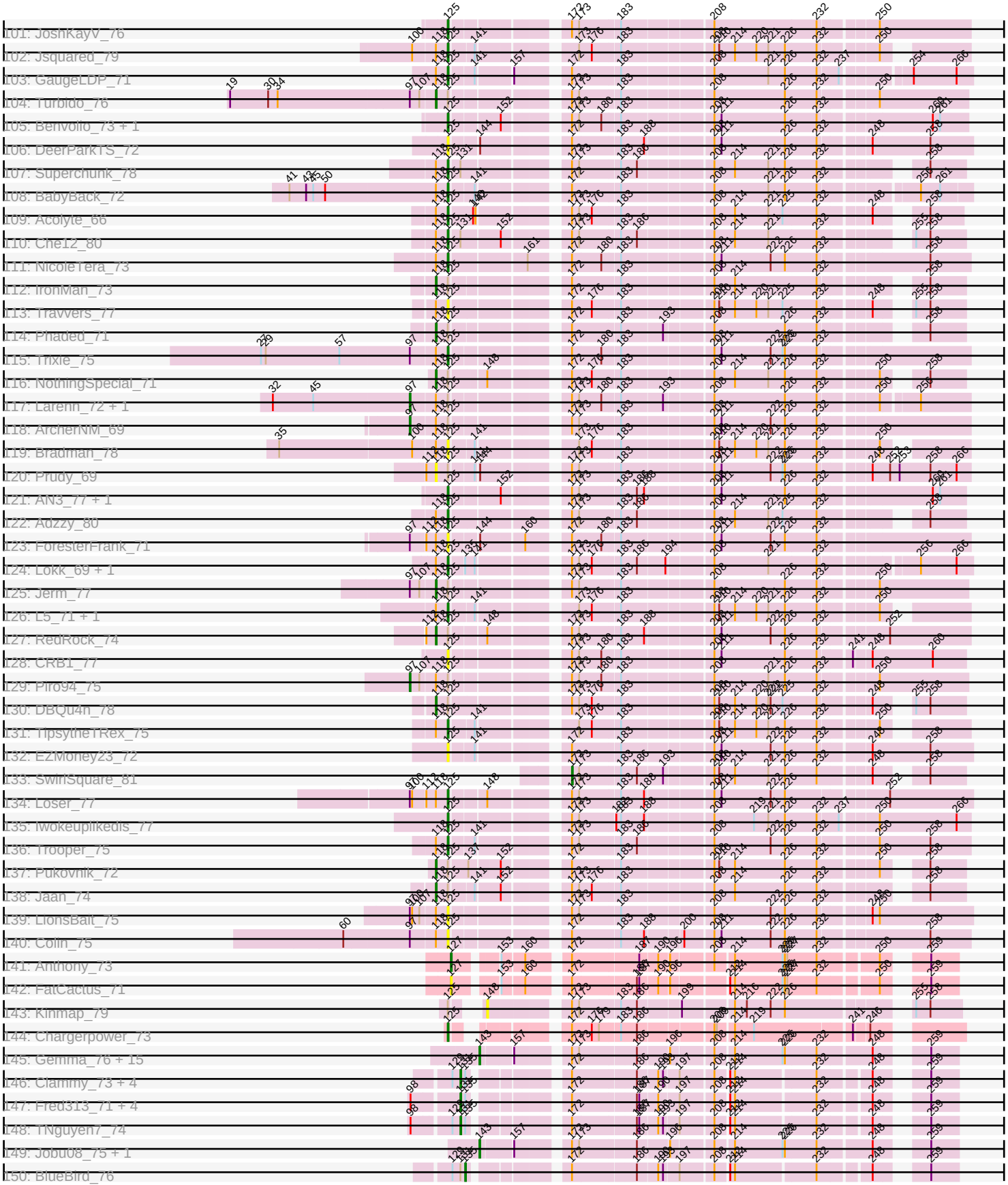
Pham 330286


1: McGuire_75
2: Rhynn_71
3: Rutherford_77 + 5
4: DreamCatcher_79 + 96
5: BPBlebs31_80 + 1
6: Levia_69 + 19
7: NEHalo_71 + 11
8: Arlo_75 + 20
9: Sunshine924_76 + 1
10: Pepe_69
11: Applejack_74 + 2
12: EnzoK_76 + 13
13: Blesser_69
14: BigMau_78 + 2
15: Barriga_82 + 1
16: Mule_74
17: Fascinus_71 + 2
18: Zeeculate_71
19: Hamn1_68
20: MaryBeth_73 + 2
21: ILeeKay_73
22: Jasper_74
23: DirtDevil_69
24: Seabiscuit_75
25: Tote_71
26: Wheeler_79
27: Papez_77
28: Alvin_73
29: Marco3_78 + 1
30: BigPaolini_73
31: Edtherson_74
32: Scowl_76
33: Carlyle_76
34: Twister_69 + 1
35: Goose_71
36: Poompha_67
37: Kristoff_69 + 2
38: Severus_68 + 1
39: Eaglepride_73
40: Rowdy_72 + 2
41: OKCentral2016_68
42: DontArgue_67
43: Drake94_68 + 1
44: Chupacabra_68
45: Gilberta_75 + 17
46: Bachome_76
47: Fibonacci_77 + 3
48: Sham4_74
49: Pharaoh_71
50: DarthPhader_73

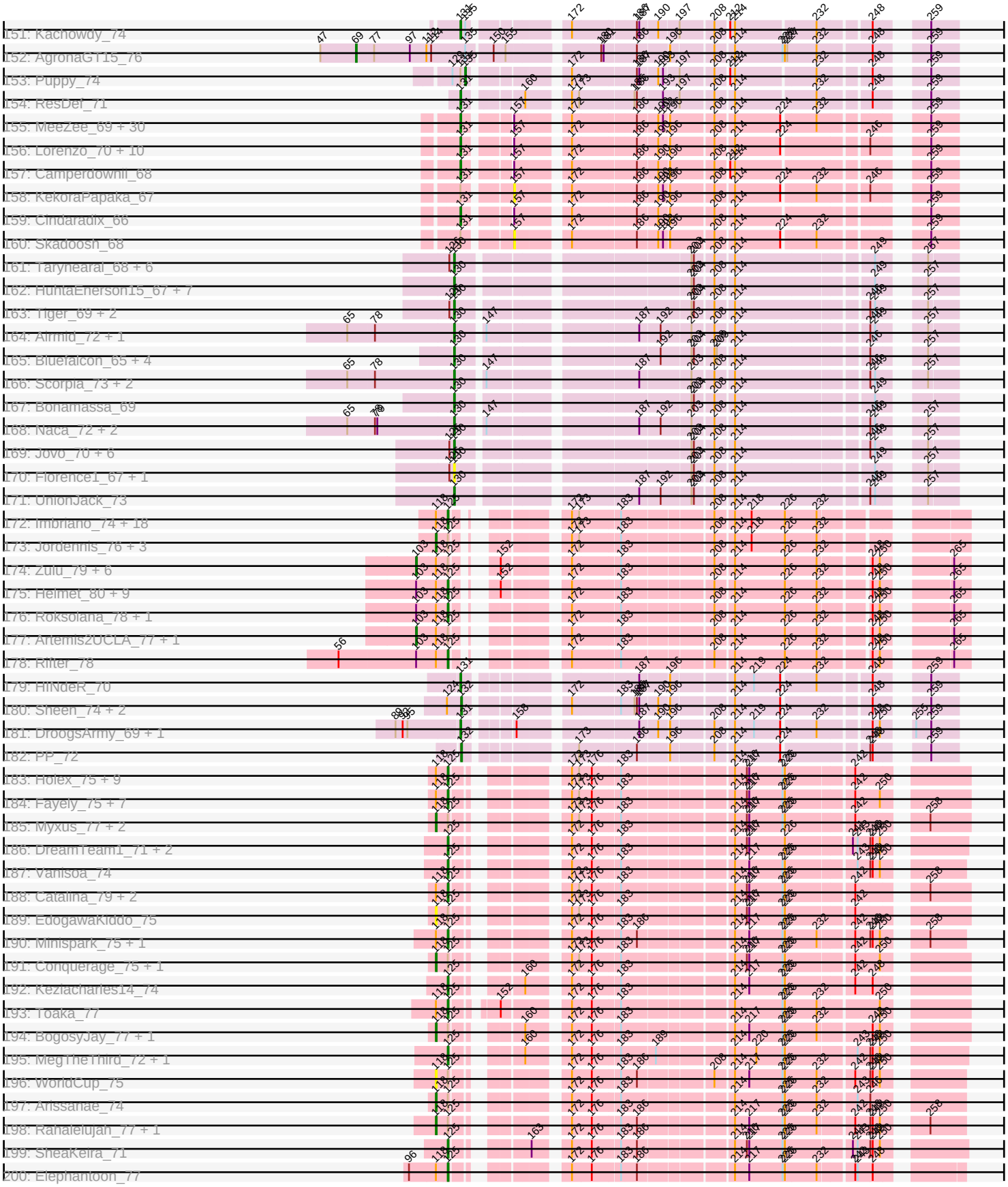
Pham 330286


51: Refuge_73
52: Zimmer_74
53: Steamy_70
54: Luchador_78
55: Jeeves_79
56: Gail_77
57: SororFago_77
58: Sunnee_77
59: Nebulosus_81 + 17
60: Nedarya_79
61: Anon_80
62: LogiBear_75
63: Elle_78
64: DekHockey33_85
65: EagleEye_81
66: Lucyedi_80
67: 40AC_74
68: Kimona_69
69: Journey13_65
70: Retro23_76 + 3
71: Agape74_77 + 1
72: Centaur_76 + 7
73: Landor_74 + 1
74: Quokka_77
75: 20ES_77 + 1
76: Ph8s_80
77: Deloris_75 + 1
78: SnapTap_75
79: StarStuff_78
80: BobSwaget_68 + 1
81: Heffalump_73 + 2
82: Pomar16_78 + 3
83: WideWale_76 + 2
84: AnnaL29_75
85: LilTurb_76 + 5
86: Odin_77
87: XianYue_71
88: Baehexic_74
89: Crucio_76 + 6
90: Herbertwm_72
91: KingCyrus_75 + 1
92: Leogarna_74 + 1
93: Kalpine_75
94: Gratitude_73
95: Serenity_79
96: TarsusIV_73
97: HippoHollow_73
98: LadyBird_79
99: WeiHuaDA_76
100: Changeling_74

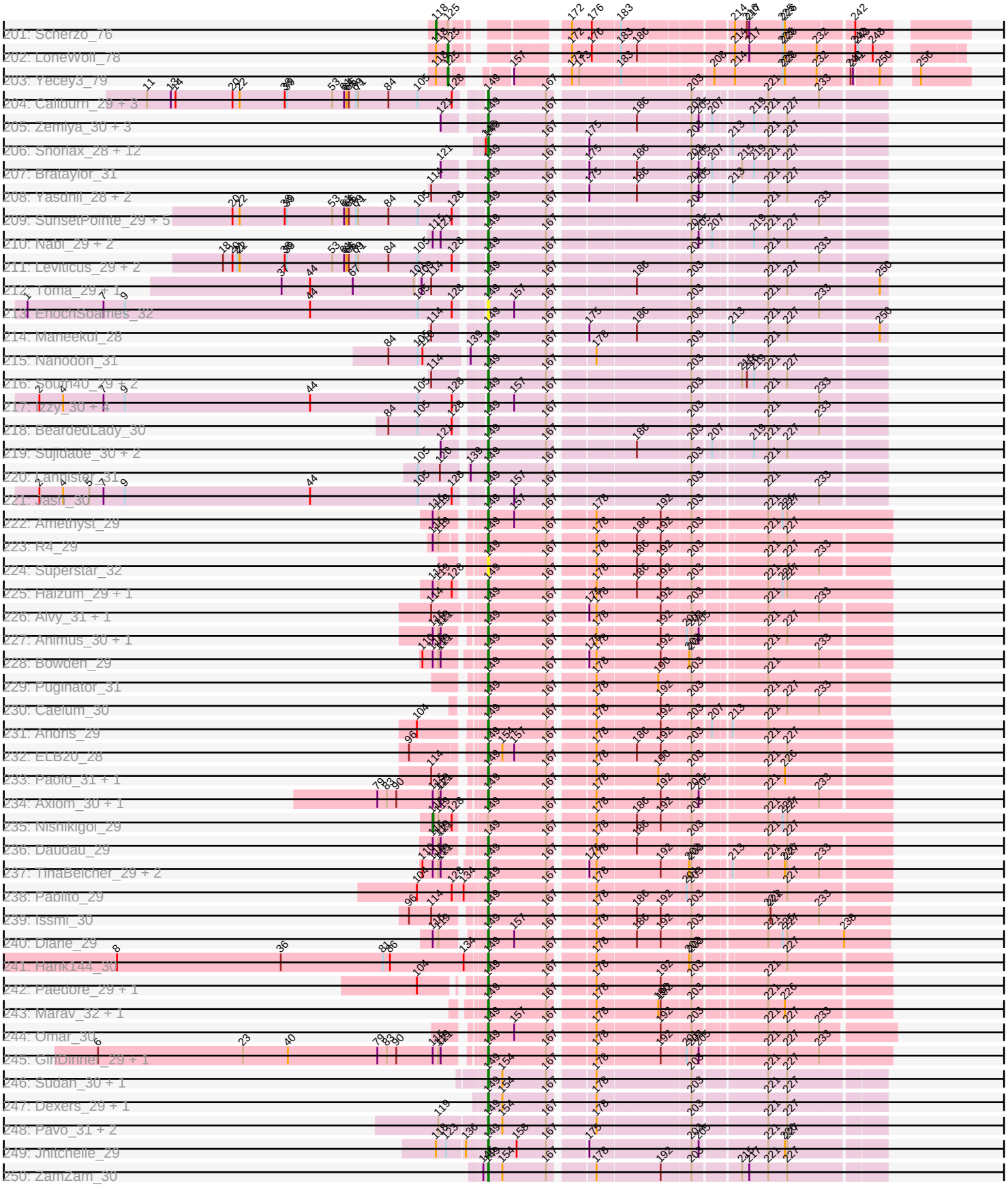
Pham 330286


101: JoshKayV_76
102: Jsquared_79
103: GaugeLDP_71
104: Turbido_76
105: Benvolio_73 + 1
106: DeerParkTS_72
107: Superchunk_78
108: BabyBack_72
109: Acolyte_66
110: Che12_80
111: NicoleTera_73
112: IronMan_73
113: Travvers_77
114: Phaded_71
115: Trixie_75
116: NothingSpecial_71
117: Larenn_72 + 1
118: ArcherNM_69
119: Bradman_78
120: Prudy_69
121: AN3_77 + 1
122: Adzzy_80
123: ForesterFrank_71
124: Lokk_69 + 1
125: Jerm_77
126: L5_71 + 1
127: RedRock_74
128: CRB1_77
129: Piro94_75
130: DBQu4n_78
131: TipsytheTRex_75
132: EZMoney23_72
133: SwimSquare_81
134: Loser_77
135: Iwokeuplikedis_77
136: Trooper_75
137: Pukovnik_72
138: Jaan_74
139: LionsBait_75
140: Colin_75
141: Anthony_73
142: FatCactus_71
143: Kinmap_79
144: Chargerpower_73
145: Gemma_76 + 15
146: Clammy_73 + 4
147: Fred313_71 + 4
148: TNguyen7_74
149: Jobu08_75 + 1
150: BlueBird_76

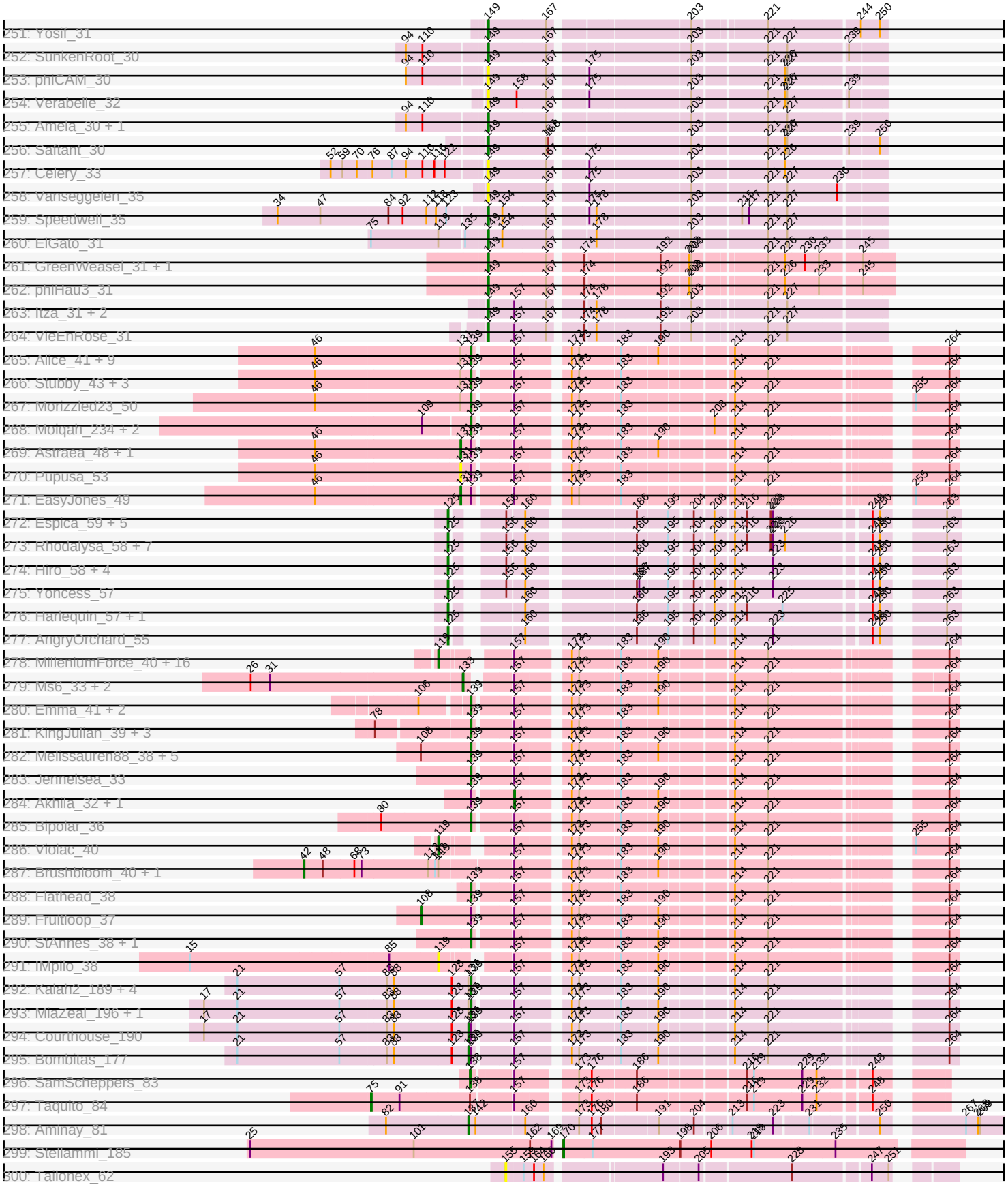
Pham 330286


151: Kachowdy_74
152: AgronaGT15_76
153: Puppy_74
154: ResDel_71
155: MeeZee_69 + 30
156: Lorenzo_70 + 10
157: Camperdownii_68
158: KekoraPapaka_67
159: Cindaradix_66
160: Skadoosh_68
161: Taryhearai_68 + 6
162: HuntaEnerson15_67 + 7
163: Tiger_69 + 2
164: Airmid_72 + 1
165: Bluefalcon_65 + 4
166: Scorpia_73 + 2
167: Bonamassa_69
168: Naca_72 + 2
169: Jovo_70 + 6
170: Florence1_67 + 1
171: UnionJack_73
172: Imbriano_74 + 18
173: Jordennis_76 + 3
174: Zulu_79 + 6
175: Helmet_80 + 9
176: Roksolana_78 + 1
177: Artemis2UCLA_77 + 1
178: Riffer_78
179: HiNdeR_70
180: Sheen_74 + 2
181: DroogsArmy_69 + 1
182: PP_72
183: Holex_75 + 9
184: Fayely_75 + 7
185: Myxus_77 + 2
186: DreamTeam1_71 + 2
187: Vanisoa_74
188: Catalina_79 + 2
189: EdogawaKiddo_75
190: Minispark_75 + 1
191: Conquerage_75 + 1
192: KeziaCharles14_74
193: Toaka_77
194: BogosyJay_77 + 1
195: MegTheThird_72 + 1
196: WorldCup_75
197: Anissanae_74
198: Rahalelujah_77 + 1
199: SheaKeira_71
200: Elephantoon_77

Pham 330286


201: Scherzo_76
202: LoneWolf_78
203: Yecey3_79
204: Calburn_29 + 3
205: Zemiya_30 + 3
206: Shonax_28 + 12
207: Brataylor_31
208: Yasumi_28 + 2
209: SunsetPointe_29 + 5
210: Nabi_29 + 2
211: Leviticus_29 + 2
212: Toma_29 + 1
213: EnochSoames_32
214: Maneekui_28
215: Nanodon_31
216: South40_29 + 2
217: Izzy_30 + 1
218: BeardedLady_30
219: Sujidade_30 + 2
220: Lanhistar_31
221: Jash_30
222: Amethyst_29
223: R4_29
224: Superstar_32
225: Haizum_29 + 1
226: Alvy_31 + 1
227: Animus_30 + 1
228: Bowden_29
229: Puginator_31
230: Caelum_30
231: Andris_29
232: ELB20_28
233: Pablo_31 + 1
234: Axiom_30 + 1
235: Nishikigoi_29
236: Daudau_29
237: TinaBelcher_29 + 2
238: Pablito_29
239: Issmi_30
240: Diane_29
241: Hank144_30
242: Paedore_29 + 1
243: Marav_32 + 1
244: Omar_30
245: GinDinnel_29 + 1
246: Sudan_30 + 1
247: Dexers_29 + 1
248: Pavo_31 + 2
249: Jnitchelle_29
250: ZamZam_30

Pham 330286


251: Yosif_31
252: SunkenRoot_30
253: phiCAM_30
254: Verabelle_32
255: Amela_30 + 1
256: Saltant_30
257: Celery_33
258: Vanseggelen_35
259: Speedwell_35
260: ElGato_31
261: GreenWeasel_31 + 1
262: phiHau3_31
263: Itza_31 + 2
264: VieEnRose_31
265: Alice_41 + 9
266: Stubby_43 + 3
267: Morizzied23_50
268: Molqah_234 + 2
269: Astraea_48 + 1
270: Pupusa_53
271: EasyJones_49
272: Espica_59 + 5
273: Rhodalysa_58 + 7
274: Hiro_58 + 4
275: Yoncess_57
276: Harlequin_57 + 1
277: AngryOrchard_55
278: MillenniumForce_40 + 16
279: Ms6_33 + 2
280: Emma_41 + 2
281: KingJulian_39 + 3
282: Melissauren88_38 + 5
283: Jennelsea_33
284: Akhila_32 + 1
285: Bipolar_36
286: Violac_40
287: Brushbloom_40 + 1
288: Flathead_38
289: Fruitloop_37
290: StAnnes_38 + 1
291: MPilo_38
292: Kalah2_189 + 4
293: MiaZeal_196 + 1
294: Courthouse_190
295: Bombitas_177
296: SamScheppers_83
297: Taquito_84
298: Aminay_81
299: Stellammi_185
300: Tallonex_62

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 330286 Report

This analysis was run 09/05/26 on database version 662.

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 330286 has 847 members, 88 are drafts.

Phages represented in each track:
• Track 1 : McGuire_75
• Track 2 : Rhynn_71
• Track 3 : Rutherferd_77, SwissCheese_79, KSSJEB_72, Mkhuseli_72, Bruns_78, Corvo_77
• Track 4 : DreamCatcher_79, Adahisdi_71, Iqorha_67, Dreamboat_75, JackSparrow_76, Pari_80, JC27_76, Ashballer_77, Ichabod_78, Hermia_70, Magnar_71, Killigrew_72, StrongArm_71, GrecoEtereo_79, Perseus_75, Rufus_78, Ringer_75, Rajelicia_77, McSinger_74, Raid_72, Marcell_68, Aldrich_67, GroundGoblin_69, Bexan_70, IgnatiusPatJac_75, Espresso_69, Fushigi_69, Bones_71, ShortQueendom_70, Rubeus_76, KikiBouba_71, Blackflame_71, Acme_79, Slagathor_76, Gwendoluna_79, Squee_76, HarryOW_76, Anglerfish_77, ChristmasHams_66, STLscum_81, Noxious_71, Tripl3t_78, Fajezeel_78, BluSpix_73, Eyeball_74, SpikeBT_72, Briton15_78, GMonster_73, QTRlifeCrisis_74, Parliament_76, Ruotula_79, Lopton_74, Greg_78, Big3_76, Inyanga_67, BarrowTuph_78, Buttons_72, BeesKnees_76, Bigchungi_76, Francis47_77, Dulcie_76, Doom_68, Fenn_78, Licorice_76, MrGordo_76, Marchy_67, Michley_76, Jorgensen_82, Agaliana_73, PherrisBueller_74, Gompeii16_76, Nerujay_79, Euphoria_76, Sanya_74, Smeagol_78, MilleFeuille_75, Dynamix_75, Beatrix_72, Atkinbua_81, CatBus_67, U2_69, Sorpresa_74, Target_75, GageAP_78, Zeuska_77, PascalRango_73, Violet_70, TheloniousMonk_77, Tasp14_74, Naira_77, Watermelon_78, Gandalf20_74, Sandaddy_73, MPlant7149_75, Sagefire_72, Bxb1_69, BaconJack_77
• Track 5 : BPBiebs31_80, Bethlehem_78
• Track 6 : Levia_69, Homines_63, Nhonho_71, Teodoridan_72, Ciao_72, Ajay_72, ProMouse_75, AFIS_72, Paraselene_73, PhineBark_71, Marge_72, Monet_79, PattyP_75, Seanderson_75, Zephyr_77, PowerRanger_71, Blue_72, Whitspit_68, Pippin_76, PinkPlastic_71
• Track 7 : NEHalo_71, Dexes_76, Ohno789_78, ConceptII_80, Aeneas_80, Abbyshoes_75, Dussy_74, Marsha_75, Niza_75, Molly_75, Pinto_75, Sumter_72
• Track 8 : Arlo_75, Treddle_77, Kanely_77, Petp2012_76, Bob3_76, Forsytheast_77, JuliaChild_76, KyMonks1A_81, Lamina13_79, Sibs6_75, TwoPeat_75, Altman_78, Swole_76, Pita2_76, Snazzy_76, Moose_77, Mryolo_70, Pelly_78, Burton_76, Hope4ever_76, Rohr_78

• Track 9 : Sunshine924_76, DrFeelGood_71
• Track 10 : Pepe_69
• Track 11 : Applejack_74, KBG_73, StewieG_70
• Track 12 : EnzoK_76, Paphu_70, DD5_73, Traft412_75, Lockley_72, CartmannCramer_71, Topgun_71, Oogway_74, BillKnuckles_69, Solon_71, Wilkins_72, Puppet_71, Kugel_77, Graduation_78
• Track 13 : Blesser_69
• Track 14 : BigMau_78, Jerm2_77, HermioneGrange_79
• Track 15 : Barriga_82, Kykar_75
• Track 16 : Mule_74
• Track 17 : Fascinus_71, Phlippers_73, CactusRose_78
• Track 18 : Zeeculate_71
• Track 19 : Hami1_68
• Track 20 : MaryBeth_73, MetalQZJ_72, LilBib_72
• Track 21 : ILeeKay_73
• Track 22 : Jasper_74
• Track 23 : DirtDevil_69
• Track 24 : Seabiscuit_75
• Track 25 : Tote_71
• Track 26 : Wheeler_79
• Track 27 : Papez_77
• Track 28 : Alvin_73
• Track 29 : Marco3_78, Lesedi_72
• Track 30 : BigPaolini_73
• Track 31 : Edtherson_74
• Track 32 : Scowl_76
• Track 33 : Carlyle_76
• Track 34 : Twister_69, Edison31_67
• Track 35 : Goose_71
• Track 36 : Poompha_67
• Track 37 : Kristoff_69, Rebeuca_71, WalterMcMickey_69
• Track 38 : Severus_68, KittenMittens_67
• Track 39 : Eaglepride_73
• Track 40 : Rowdy_72, Shapes_72, DustyMartin_72
• Track 41 : OKCentral2016_68
• Track 42 : DontArgue_67
• Track 43 : Drake94_68, PeaceMeal1_68
• Track 44 : Chupacabra_68
• Track 45 : Gilberta_75, Et2Brutus_77, Flaverint_79, Joselito_77, Saskia_76, Petersenfast_74, Mabel_78, Timothy_78, Lucivia_79, Kimba_76, Aneem_79, Insomnia_77, Snape_78, Salz_73, Jabith_77, Wolpertinger_77, MaCh_78, Ebony_78
• Track 46 : Bachome_76
• Track 47 : Fibonacci_77, Bud_73, Mulciber_76, Munch_78
• Track 48 : Sham4_74
• Track 49 : Pharaoh_71
• Track 50 : DarthPhader_73
• Track 51 : Refuge_73
• Track 52 : Zimmer_74
• Track 53 : Steamy_70
• Track 54 : Luchador_78
• Track 55 : Jeeves_79
• Track 56 : Gail_77
• Track 57 : SororFago_77

• Track 58 : Sunhee_77
• Track 59 : Nebulosus_81, Looper_83, MinecraftSteve_84, Soups_83, Epsocamisio_81, Rosalind_82, Battleship_86, Remus_84, Ravana_85, JSwag_84, Warrior24_84, LastResort_82, Anaysia_84, KatherineG_84, Waits_83, ReMo_82, Strosahl_84, Oofda_83
• Track 60 : Nedarya_79
• Track 61 : Anon_80
• Track 62 : LogiBear_75
• Track 63 : Elle_78
• Track 64 : DekHockey33_85
• Track 65 : EagleEye_81
• Track 66 : Lucyedi_80
• Track 67 : 40AC_74
• Track 68 : Kimona_69
• Track 69 : Journey13_65
• Track 70 : Retro23_76, Dalmatian_76, Anselm_77, DudeLittle_74
• Track 71 : Agape74_77, AbbyPaige_77
• Track 72 : Centaur_76, Terrific_76, NaSiaTalie_76, Drake55_77, HarryHoudini_76, Flare16_76, Sknot_76, MiculUcigas_76
• Track 73 : Landor_74, Bactobuster_68
• Track 74 : Quokka_77
• Track 75 : 20ES_77, First_0076
• Track 76 : Ph8s_80
• Track 77 : Deloris_75, BengiVuitton_75
• Track 78 : SnapTap_75
• Track 79 : StarStuff_78
• Track 80 : BobSwaget_68, Miko_69
• Track 81 : Heffalump_73, Fameo_74, QueenB2_73
• Track 82 : Pomar16_78, Tomathan_78, Duplo_78, Kerberos_78
• Track 83 : WideWale_76, Equemioh13_75, Updawg_76
• Track 84 : AnnaL29_75
• Track 85 : LilTurb_76, Bugsy_77, Dignity_77, Leviathan_77, Smeagan_78, Whabigail7_76
• Track 86 : Odin_77
• Track 87 : XianYue_71
• Track 88 : Baehexic_74
• Track 89 : Crucio_76, QueenBeesly_76, Georgie2_77, FiringLine_76, Power_75, SemperFi_76, SweetiePie_75
• Track 90 : Herbertwm_72
• Track 91 : KingCyrus_75, EvilGenius_75
• Track 92 : Leogania_74, BiancaTri92_74
• Track 93 : Kalpine_75
• Track 94 : Gratitude_73
• Track 95 : Serenity_79
• Track 96 : TarsusIV_73
• Track 97 : HippoHollow_73
• Track 98 : LadyBird_79
• Track 99 : WeiHuaDA_76
• Track 100 : Changeling_74
• Track 101 : JoshKayV_76
• Track 102 : Jsquared_79
• Track 103 : GaugeLDP_71
• Track 104 : Turbido_76

• Track 105 : Benvolio_73, Echild_76
• Track 106 : DeerParkTS_72
• Track 107 : Superchunk_78
• Track 108 : BabyBack_72
• Track 109 : Acolyte_66
• Track 110 : Che12_80
• Track 111 : NicoleTera_73
• Track 112 : IronMan_73
• Track 113 : Travvers_77
• Track 114 : Phaded_71
• Track 115 : Trixie_75
• Track 116 : NothingSpecial_71
• Track 117 : Larenn_72, Malec_73
• Track 118 : ArcherNM_69
• Track 119 : Bradman_78
• Track 120 : Prudy_69
• Track 121 : AN3_77, VA6_75
• Track 122 : Adzzy_80
• Track 123 : ForesterFrank_71
• Track 124 : Lokk_69, Rachaly_71
• Track 125 : Jerm_77
• Track 126 : L5_71, Koduck_77
• Track 127 : RedRock_74
• Track 128 : CRB1_77
• Track 129 : Piro94_75
• Track 130 : DBQu4n_78
• Track 131 : TipsytheTRex_75
• Track 132 : EZMoney23_72
• Track 133 : SwirlSquare_81
• Track 134 : Loser_77
• Track 135 : Iwokeuplikedis_77
• Track 136 : Trooper_75
• Track 137 : Pukovnik_72
• Track 138 : Jaan_74
• Track 139 : LionsBait_75
• Track 140 : Colin_75
• Track 141 : Anthony_73
• Track 142 : FatCactus_71
• Track 143 : Kinmap_79
• Track 144 : Chargerpower_73
• Track 145 : Gemma_76, Kalnoky_79, PurpleHaze_78, JeppNRM_79, ClownCar_78, Marius_79, Heliosoles_76, Pawn_77, HaveUMetTed_79, PhishRPhriends_75, OlanP_77, Groupthink_79, Reba_74, Manu_78, Calvinny_78, ACFishhook_76
• Track 146 : Clammy_73, Bugatti_73, SaturnRing_73, Idleandcovert_74, Giroux_76
• Track 147 : Fred313_71, DropBear_74, HelDan_73, Roimos_71, Scout_72
• Track 148 : TNguyen7_74
• Track 149 : Jobu08_75, SoilDragon_78
• Track 150 : BlueBird_76
• Track 151 : Kachowdy_74
• Track 152 : AgronaGT15_76
• Track 153 : Puppy_74
• Track 154 : ResDef_71

• Track 155 : MeeZee_69, Mazhar510_70, LochMonster_71, Avle17_70, NotAPhaseMom_69, Wander_70, Arturo_67, Ulysses_69, Kratark_69, Eris_69, Funston_69, JoongJeon_69, PeterPeter_70, Mayonnaise_67, Cocoaberry_70, Kyee_70, Scamp_70, Phighter1804_70, Maverick_69, Clarenza_69, Phacado_70, Iracema64_70, Sultana_70, Tinybot_69, DirtyDunning_69, Gadost_70, Houdini22_69, Palestino_69, Spino_69, Nemo27_69, Rosa24_67
• Track 156 : Lorenzo_70, Kampy_69, Phelipe_71, Eagle_69, TroyPia_71, Eurydice_71, BellusTerra_71, Ohfah_71, LeoAvram_69, Polymorphads_70, Nebs_71
• Track 157 : Camperdownii_68
• Track 158 : KekoraPapaka_67
• Track 159 : Cindaradix_66
• Track 160 : Skadoosh_68
• Track 161 : Tarynearal_68, George_65, Swirley_69, Cuco_68, Twigg_68, Prinashe11_67, Milcery_69
• Track 162 : HuhtaEnerson15_67, LittleCherry_68, Theia_68, Dublin_69, Micasa_69, Coog_66, MarysWell_69, Midas2_66
• Track 163 : Tiger_69, AgentM_69, Phlorence_68
• Track 164 : Airmid_72, Jabiru_71
• Track 165 : Bluefalcon_65, Ghoulboy_69, Archetta_67, Zolita_68, SydNat_69
• Track 166 : Scorpia_73, PetterN_77, Chadwick_73
• Track 167 : Bonamassa_69
• Track 168 : Naca_72, ElTiger69_75, Benedict_73
• Track 169 : Jovo_70, PickleBack_70, Lev2_70, Aragog_69, ForGetIt_70, Discoknowium_67, Conspiracy_70
• Track 170 : Florence1_67, Florence4_68
• Track 171 : UnionJack_73
• Track 172 : Imbriano_74, DaVinci_76, Kazan_79, Neeharika16_77, Candra_76, SmellyB_78, Hoot_73, EricB_77, Kipper29_78, GreedyLawyer_73, DelvinSonDorr_74, McFly_79, VohminGhazi_78, SuperCallie99_75, BABullseye_71, Cookiedough_78, Isiphiwo_75, Newrala_77, Chartreuse_77
• Track 173 : Jordennis_76, SuperAwesome_78, Pmask_77, Dorothea_78
• Track 174 : Zulu_79, Zaka_78, Hammer_78, Blue7_79, CloudWang3_78, Gruunaga_77, Gladiator_75
• Track 175 : Helmet_80, Indra_81, Garak_79, BennyP_78, BlessJoy_78, ToneTone_75, Wiks_77, Temprado_79, Tucker_78, Yokurt_77
• Track 176 : Roksolana_78, Koko_79
• Track 177 : Artemis2UCLA_77, Hexamo_77
• Track 178 : Rifter_78
• Track 179 : HINdeR_70
• Track 180 : Sheen_74, Toro_73, FlyCatcher_75
• Track 181 : DroogsArmy_69, Timshel_71
• Track 182 : PP_72
• Track 183 : Holex_75, Sachima_73, Phonnegut_77, Jiawan_74, RyeScarlet_78, Onglai_75, Hanray_75, Pioneer_77, Beemo_77, Lilleskat_74
• Track 184 : Fayely_75, Priya_75, ExplosioNervosa_75, EmyBug_74, Alma_75, Ayanochan_74, Spouty_75, Qobbit_75
• Track 185 : Myxus_77, HortumSL17_78, PackMan_76
• Track 186 : DreamTeam1_71, Charm_71, Klodlith_72
• Track 187 : Vanisoa_74
• Track 188 : Catalina_79, Tubs_77, Phaeder_77
• Track 189 : EdogawaKiddo_75
• Track 190 : Minispark_75, Bellris_77
• Track 191 : Conquerage_75, Eidsmoe_75

• Track 192 : Keziacharles14_74
• Track 193 : Toaka_77
• Track 194 : BogosyJay_77, Maminiaina_77
• Track 195 : MegTheThird_72, Celestialunch_72
• Track 196 : WorldCup_75
• Track 197 : Arissanae_74
• Track 198 : Rahalelujah_77, CogOmlette_75
• Track 199 : SheaKeira_71
• Track 200 : Elephantoon_77
• Track 201 : Scherzo_76
• Track 202 : LoneWolf_78
• Track 203 : Yecey3_79
• Track 204 : Caliburn_29, Hydra_31, Legacy_29, Ozzie_29
• Track 205 : Zemlya_30, Celeste_29, Dattran_30, Danzina_30
• Track 206 : Snorlax_28, TagePhighter_29, BarryBee_30, Hippo_28, Chucky_28, Asten_28, Werner_28, SarahRose_28, Dwayne_28, Whatever_28, OzzyJ_29, Triste_28, Emaanora_30
• Track 207 : Brataylor_31
• Track 208 : Yasdnil_28, Ejemplo_28, TuanPN_28
• Track 209 : SunsetPointe_29, Indigo_28, Esperer_29, Bovely_29, Nerdos_29, Unstoppable_29
• Track 210 : Nabi_29, Lorelei_29, Rana_29
• Track 211 : Leviticus_29, Aaronocolus_29, Phettuccine_29
• Track 212 : Toma_29, Goby_29
• Track 213 : EnochSoames_32
• Track 214 : Maneekul_28
• Track 215 : Nanodon_31
• Track 216 : South40_29, RedBear_30, Katalie_29
• Track 217 : Izzy_30, Eddasa_30, Rusticus_30, BryanRecycles_30, Oliynyk_30
• Track 218 : BeardedLady_30
• Track 219 : Sujidade_30, Lika_29, Godpower_30
• Track 220 : Lannister_31
• Track 221 : Jash_30
• Track 222 : Amethyst_29
• Track 223 : R4_29
• Track 224 : Superstar_32
• Track 225 : Haizum_29, Tefunt_29
• Track 226 : Alvy_31, BartholomewSD_31
• Track 227 : Animus_30, SqueakyClean_30
• Track 228 : Bowden_29
• Track 229 : Puginator_31
• Track 230 : Caelum_30
• Track 231 : Andris_29
• Track 232 : ELB20_28
• Track 233 : Paolo_31, Zainub_31
• Track 234 : Axiom_30, Triumph_31
• Track 235 : Nishikigoi_29
• Track 236 : Daudau_29
• Track 237 : TinaBelcher_29, Thestral_30, TrvxScott_28
• Track 238 : Pablito_29
• Track 239 : Issmi_30
• Track 240 : Diane_29
• Track 241 : Hank144_30

• Track 242 : Paedore_29, Loofah_30
• Track 243 : Marav_32, Jevington_31
• Track 244 : Omar_30
• Track 245 : GirlDinner_29, Janus_30
• Track 246 : Sudan_30, Kaine_30
• Track 247 : Dexers_29, Alsaber_31
• Track 248 : Pavo_31, Conan_31, Provolone_31
• Track 249 : Jhitchelle_29
• Track 250 : ZamZam_30
• Track 251 : Yosif_31
• Track 252 : SunkenRoot_30
• Track 253 : phiCAM_30
• Track 254 : Verabelle_32
• Track 255 : Amela_30, Verse_30
• Track 256 : Saftant_30
• Track 257 : Celery_33
• Track 258 : Vanseggelen_35
• Track 259 : Speedwell_35
• Track 260 : ElGato_31
• Track 261 : GreenWeasel_31, BroPlease_30
• Track 262 : phiHau3_31
• Track 263 : Itza_31, Celia_31, Urza_31
• Track 264 : VieEnRose_31
• Track 265 : Alice_41, Shaqnato_43, Bezza_42, Phox_45, Koguma_43, Ronan_41, Lukilu_41, JulietS_42, Yassified_45, DLane_38
• Track 266 : Stubby_43, LRRHood_44, Rabinovish_45, Pinkcreek_38
• Track 267 : Morizzled23_50
• Track 268 : Moiqah_234, Moby_234, HyRo_222
• Track 269 : Astraea_48, BadAgartude_49
• Track 270 : Pupusa_53
• Track 271 : EasyJones_49
• Track 272 : Espica_59, Belenaria_59, Shuman_59, AppleCloud_55, Natosaleda_57, RexFury_57
• Track 273 : Rhodalysa_58, Krishelle_58, StCroix_57, Naiad_57, CosmicSans_58, TWAMP_58, Alatin_57, Lillie_58
• Track 274 : Hiro_58, Partridge_57, Dinger_57, Bonanza_59, PhailMary_57
• Track 275 : Yoncess_57
• Track 276 : Harlequin_57, Jester_57
• Track 277 : AngryOrchard_55
• Track 278 : MilleniumForce_40, NewHope4_43, Ovechkin_39, Coco12_38, Donkeykong_39, KristaRAM_40, CaptainTrips_39, Phanphagia_35, Galactic_41, Shauna1_36, Moonbeam_39, MinionDave_41, Brookers_37, Byougenkin_38, XFactor_38, Jant_40, Soul22_44
• Track 279 : Ms6_33, Mova_39, Bobi_40
• Track 280 : Emma_41, Kenuha5_35, Rialto_43
• Track 281 : KingJulian_39, Corium_38, PatoPoderoso_38, Juice456_41
• Track 282 : Melissauren88_38, Enzomatic_44, LunaBlu_42, Polo2Bam_43, SeaLumen_43, Batiatus_38
• Track 283 : Jennelsea_33
• Track 284 : Akhila_32, MilanaBonita_32
• Track 285 : Bipolar_36
• Track 286 : Violac_40
• Track 287 : Brushbloom_40, PhesterPhotato_39

• Track 288 : Flathead_38
• Track 289 : Fruitloop_37
• Track 290 : StAnnes_38, Phalconet_39
• Track 291 : IMpilo_38
• Track 292 : Kalah2_189, Pound_183, Ariel_194, Squint_188, Superphikiman_191
• Track 293 : MiaZeal_196, LittleE_195
• Track 294 : Courthouse_190
• Track 295 : Bombitas_177
• Track 296 : SamScheppers_83
• Track 297 : Taquito_84
• Track 298 : Aminay_81
• Track 299 : Stellammi_185
• Track 300 : Tailonex_62

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

The start number called the most often in the published annotations is 139, it was called in 224 of the 759 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AFIS_72, Abbyshoes_75, Acme_79, Adahisdi_71, Aeneas_80, Agaliana_73, Ajay_72, Aldrich_67, Alice_41, Altman_78, Anglerfish_77, Applejack_74, Ariel_194, Arlo_75, Ashballer_77, Atkinbua_81, BPBiebs31_80, BaconJack_77, Barriga_82, BarrowTuph_78, Batiatus_38, Beatrix_72, BeesKnees_76, Bethlehem_78, Bexan_70, Bezza_42, Big3_76, BigMau_78, Bigchungi_76, BillKnuckles_69, Bipolar_36, Blackflame_71, Blesser_69, BluSpix_73, Blue_72, Bob3_76, Bones_71, Briton15_78, Bruns_78, Burton_76, Buttons_72, Bxb1_69, CactusRose_78, Carlyle_76, CartmannCramer_71, CatBus_67, ChristmasHams_66, Ciao_72, ConceptII_80, Corium_38, Corvo_77, DD5_73, DLane_38, Dexes_76, Doom_68, DrFeelGood_71, DreamCatcher_79, Dreamboat_75, Dulcie_76, Dussy_74, Dynamix_75, Emma_41, EnzoK_76, Enzomatic_44, Espresso_69, Euphoria_76, Eyeball_74, Fajezeel_78, Fascinus_71, Fenn_78, Flathead_38, Forsytheast_77, Francis47_77, Fushigi_69, GMonster_73, GageAP_78, Gandalf20_74, Gompeii16_76, Graduation_78, GrecoEtereo_79, Greg_78, GroundGoblin_69, Gwendoluna_79, Hami1_68, HarryOW_76, Hermia_70, HermioneGrange_79, Homines_63, Hope4ever_76, HyRo_222, ILeeKay_73, Ichabod_78, IgnatiusPatJac_75, Inyanga_67, Iqorha_67, JC27_76, JackSparrow_76, Jasper_74, Jennelsea_33, Jerm2_77, Jorgensen_82, Juice456_41, JuliaChild_76, JulietS_42, KBG_73, KSSJEB_72, Kalah2_189, Kanely_77, Kenuha5_35, KikiBouba_71, Killigrew_72, KingJulian_39, Koguma_43, Kugel_77, KyMonks1A_81, Kykar_75, LRRHood_44, Lamina13_79, Lesedi_72, Levia_69, Licorice_76, LilBib_72, LittleE_195, Lockley_72, Lopton_74, Lukilu_41, LunaBlu_42, MPlant7149_75, Magnar_71, Marcell_68, Marchy_67, Marco3_78, Marge_72, Marsha_75, MaryBeth_73, McGuire_75, McSinger_74, Melissauren88_38, MetalQZJ_72, MiaZeal_196, Michley_76, MilleFeuille_75, Mkhuseli_72, Moby_234, Moiqah_234, Molly_75, Monet_79, Moose_77, Morizzled23_50, MrGordo_76, Mryolo_70, Mule_74, NEHalo_71, Naira_77, Nerujay_79, Nhonho_71, Niza_75, Noxious_71, Ohno789_78, Oogway_74, Papez_77, Paphu_70, Paraselene_73, Pari_80, Parliament_76, PascalRango_73, PatoPoderoso_38, PattyP_75, Pelly_78, Perseus_75, Petp2012_76, Phalconet_39, PherrisBueller_74, PhineBark_71, Phlippers_73, Phox_45, PinkPlastic_71, Pinkcreek_38, Pinto_75, Pippin_76,

Pita2_76, Polo2Bam_43, Pound_183, PowerRanger_71, ProMouse_75, Puppet_71, QTRlifeCrisis_74, Rabinovish_45, Raid_72, Rajelicia_77, Rhynn_71, Rialto_43, Ringer_75, Rohr_78, Ronan_41, Rubeus_76, Rufus_78, Ruotula_79, Rutherferd_77, STLscum_81, Sagefire_72, Sandaddy_73, Sanya_74, Scowl_76, SeaLumen_43, Seabiscuit_75, Seanderson_75, Shaqnato_43, ShortQueendom_70, Sibs6_75, Slagathor_76, Smeagol_78, Snazzy_76, Solon_71, Sorpresa_74, SpikeBT_72, Squee_76, Squint_188, StAnnes_38, StewieG_70, StrongArm_71, Stubby_43, Sumter_72, Sunshine924_76, Superphikiman_191, SwissCheese_79, Swole_76, Target_75, Tasp14_74, Teodoridan_72, TheloniousMonk_77, Topgun_71, Traft412_75, Treddle_77, Tripl3t_78, TwoPeat_75, U2_69, Violet_70, Watermelon_78, Wheeler_79, Whitspit_68, Wilkins_72, Yassified_45, Zeeculate_71, Zephyr_77, Zeuska_77,

Genes that have the "Most Annotated" start but do not call it:
• Akhila_32, Alvin_73, Astraea_48, BadAgartude_49, Bombitas_177, Courthouse_190, DirtDevil_69, EasyJones_49, Edtherson_74, Fruitloop_37, Lannister_31, MilanaBonita_32, Nanodon_31, Pupusa_53,

Genes that do not have the "Most Annotated" start:
• 20ES_77, 40AC_74, ACFishhook_76, AN3_77, Aaronocolus_29, AbbyPaige_77, Acolyte_66, Adzzy_80, Agape74_77, AgentM_69, AgronaGT15_76, Airmid_72, Alatin_57, Alma_75, Alsaber_31, Alvy_31, Amela_30, Amethyst_29, Aminay_81, Anaysia_84, Andris_29, Aneem_79, AngryOrchard_55, Animus_30, AnnaL29_75, Anon_80, Anselm_77, Anthony_73, AppleCloud_55, Aragog_69, ArcherNM_69, Archetta_67, Arissanae_74, Artemis2UCLA_77, Arturo_67, Asten_28, Avle17_70, Axiom_30, Ayanochan_74, BABullseye_71, BabyBack_72, Bachome_76, Bactobuster_68, Baehexic_74, BarryBee_30, BartholomewSD_31, Battleship_86, BeardedLady_30, Beemo_77, Belenaria_59, Bellris_77, BellusTerra_71, Benedict_73, BengiVuitton_75, BennyP_78, Benvolio_73, BiancaTri92_74, BigPaolini_73, BlessJoy_78, Blue7_79, BlueBird_76, Bluefalcon_65, BobSwaget_68, Bobi_40, BogosyJay_77, Bonamassa_69, Bonanza_59, Bovely_29, Bowden_29, Bradman_78, Brataylor_31, BroPlease_30, Brookers_37, Brushbloom_40, BryanRecycles_30, Bud_73, Bugatti_73, Bugsy_77, Byougenkin_38, CRB1_77, Caelum_30, Caliburn_29, Calvinny_78, Camperdownii_68, Candra_76, CaptainTrips_39, Catalina_79, Celery_33, Celeste_29, Celestialunch_72, Celia_31, Centaur_76, Chadwick_73, Changeling_74, Chargerpower_73, Charm_71, Chartreuse_77, Che12_80, Chucky_28, Chupacabra_68, Cindaradix_66, Clammy_73, Clarenza_69, CloudWang3_78, ClownCar_78, Coco12_38, Cocoaberry_70, CogOmlette_75, Colin_75, Conan_31, Conquerage_75, Conspiracy_70, Coog_66, Cookiedough_78, CosmicSans_58, Crucio_76, Cuco_68, DBQu4n_78, DaVinci_76, Dalmatian_76, Danzina_30, DarthPhader_73, Dattran_30, Daudau_29, DeerParkTS_72, DekHockey33_85, Deloris_75, DelvinSonDorr_74, Dexers_29, Diane_29, Dignity_77, Dinger_57, DirtyDunning_69, Discoknowium_67, Donkeykong_39, DontArgue_67, Dorothea_78, Drake55_77, Drake94_68, DreamTeam1_71, DroogsArmy_69, DropBear_74, Dublin_69, DudeLittle_74, Duplo_78, DustyMartin_72, Dwayne_28, ELB20_28, EZMoney23_72, EagleEye_81, Eagle_69, Eaglepride_73, Ebony_78, Echild_76, Eddasa_30, Edison31_67, EdogawaKiddo_75, Eidsmoe_75, Ejemplo_28, ElGato_31, ElTiger69_75, Elephantoon_77, Elle_78, Emaanora_30, EmyBug_74, EnochSoames_32, Epsocamisio_81, Equemioh13_75, EricB_77, Eris_69, Esperer_29, Espica_59, Et2Brutus_77, Eurydice_71, EvilGenius_75, ExplosioNervosa_75, Fameo_74, FatCactus_71, Fayely_75, Fibonacci_77, FiringLine_76, First_0076, Flare16_76, Flaverint_79, Florence1_67, Florence4_68, FlyCatcher_75, ForGetIt_70,

ForesterFrank_71, Fred313_71, Funston_69, Gadost_70, Gail_77, Galactic_41, Garak_79, GaugeLDP_71, Gemma_76, George_65, Georgie2_77, Ghoulboy_69, Gilberta_75, GirlDinner_29, Giroux_76, Gladiator_75, Goby_29, Godpower_30, Goose_71, Gratitude_73, GreedyLawyer_73, GreenWeasel_31, Groupthink_79, Gruunaga_77, HINdeR_70, Haizum_29, Hammer_78, Hank144_30, Hanray_75, Harlequin_57, HarryHoudini_76, HaveUMetTed_79, Heffalump_73, HelDan_73, Heliosoles_76, Helmet_80, Herbertwm_72, Hexamo_77, HippoHollow_73, Hippo_28, Hiro_58, Holex_75, Hoot_73, HortumSL17_78, Houdini22_69, HuhtaEnerson15_67, Hydra_31, IMpilo_38, Idleandcovert_74, Imbriano_74, Indigo_28, Indra_81, Insomnia_77, Iracema64_70, IronMan_73, Isiphiwo_75, Issmi_30, Itza_31, Iwokeuplikedis_77, Izzy_30, JSwag_84, Jaan_74, Jabiru_71, Jabith_77, Jant_40, Janus_30, Jash_30, Jeeves_79, JeppNRM_79, Jerm_77, Jester_57, Jevington_31, Jhitchelle_29, Jiawan_74, Jobu08_75, JoongJeon_69, Jordennis_76, Joselito_77, JoshKayV_76, Journey13_65, Jovo_70, Jsquared_79, Kachowdy_74, Kaine_30, Kalnoky_79, Kalpine_75, Kampy_69, Katalie_29, KatherineG_84, Kazan_79, KekoraPapaka_67, Kerberos_78, Keziacharles14_74, Kimba_76, Kimona_69, KingCyrus_75, Kinmap_79, Kipper29_78, KittenMittens_67, Klodlith_72, Koduck_77, Koko_79, Kratark_69, Krishelle_58, KristaRAM_40, Kristoff_69, Kyee_70, L5_71, LadyBird_79, Landor_74, Larenn_72, LastResort_82, Legacy_29, LeoAvram_69, Leogania_74, Lev2_70, Leviathan_77, Leviticus_29, Lika_29, LilTurb_76, Lilleskat_74, Lillie_58, LionsBait_75, LittleCherry_68, LochMonster_71, LogiBear_75, Lokk_69, LoneWolf_78, Loofah_30, Looper_83, Lorelei_29, Lorenzo_70, Loser_77, Luchador_78, Lucivia_79, Lucyedi_80, MaCh_78, Mabel_78, Malec_73, Maminiaina_77, Maneekul_28, Manu_78, Marav_32, Marius_79, MarysWell_69, Maverick_69, Mayonnaise_67, Mazhar510_70, McFly_79, MeeZee_69, MegTheThird_72, Micasa_69, MiculUcigas_76, Midas2_66, Miko_69, Milcery_69, MilleniumForce_40, MinecraftSteve_84, MinionDave_41, Minispark_75, Moonbeam_39, Mova_39, Ms6_33, Mulciber_76, Munch_78, Myxus_77, NaSiaTalie_76, Nabi_29, Naca_72, Naiad_57, Natosaleda_57, Nebs_71, Nebulosus_81, Nedarya_79, Neeharika16_77, Nemo27_69, Nerdos_29, NewHope4_43, Newrala_77, NicoleTera_73, Nishikigoi_29, NotAPhaseMom_69, NothingSpecial_71, OKCentral2016_68, Odin_77, Ohfah_71, OlanP_77, Oliynyk_30, Omar_30, Onglai_75, Oofda_83, Ovechkin_39, Ozzie_29, OzzyJ_29, PP_72, Pablito_29, PackMan_76, Paedore_29, Palestino_69, Paolo_31, Partridge_57, Pavo_31, Pawn_77, PeaceMeal1_68, Pepe_69, PeterPeter_70, Petersenfast_74, PetterN_77, Ph8s_80, Phacado_70, Phaded_71, Phaeder_77, PhailMary_57, Phanphagia_35, Pharaoh_71, Phelipe_71, PhesterPhotato_39, Phettuccine_29, Phighter1804_70, PhishRPhriends_75, Phlorence_68, Phonnegut_77, PickleBack_70, Pioneer_77, Piro94_75, Pmask_77, Polymorphads_70, Pomar16_78, Poompha_67, Power_75, Prinashe11_67, Priya_75, Provolone_31, Prudy_69, Puginator_31, Pukovnik_72, Puppy_74, PurpleHaze_78, Qobbit_75, QueenB2_73, QueenBeesly_76, Quokka_77, R4_29, Rachaly_71, Rahalelujah_77, Rana_29, Ravana_85, ReMo_82, Reba_74, Rebeuca_71, RedBear_30, RedRock_74, Refuge_73, Remus_84, ResDef_71, Retro23_76, RexFury_57, Rhodalysa_58, Rifter_78, Roimos_71, Roksolana_78, Rosa24_67, Rosalind_82, Rowdy_72, Rusticus_30, RyeScarlet_78, Sachima_73, Saftant_30, Salz_73, SamScheppers_83, SarahRose_28, Saskia_76, SaturnRing_73, Scamp_70, Scherzo_76, Scorpia_73, Scout_72, SemperFi_76, Serenity_79, Severus_68, Sham4_74, Shapes_72, Shauna1_36, SheaKeira_71, Sheen_74, Shuman_59, Skadoosh_68, Sknot_76, Smeagan_78, SmellyB_78, SnapTap_75, Snape_78, Snorlax_28, SoilDragon_78, SororFago_77, Soul22_44, Soups_83, South40_29, Speedwell_35, Spino_69, Spouty_75, SqueakyClean_30, StCroix_57, StarStuff_78, Steamy_70, Stellammi_185, Strosahl_84, Sudan_30, Sujidade_30, Sultana_70, Sunhee_77,

SunkenRoot_30, SunsetPointe_29, SuperAwesome_78, SuperCallie99_75, Superchunk_78, Superstar_32, SweetiePie_75, SwirlSquare_81, Swirley_69, SydNat_69, TNguyen7_74, TWAMP_58, TagePhighter_29, Tailonex_62, Taquito_84, TarsusIV_73, Tarynearal_68, Tefunt_29, Temprado_79, Terrific_76, Theia_68, Thestral_30, Tiger_69, Timothy_78, Timshel_71, TinaBelcher_29, Tinybot_69, TipsytheTRex_75, Toaka_77, Toma_29, Tomathan_78, ToneTone_75, Toro_73, Tote_71, Travvers_77, Triste_28, Triumph_31, Trixie_75, Trooper_75, TroyPia_71, TrvxScott_28, TuanPN_28, Tubs_77, Tucker_78, Turbido_76, Twigg_68, Twister_69, Ulysses_69, UnionJack_73, Unstoppable_29, Updawg_76, Urza_31, VA6_75, Vanisoa_74, Vanseggelen_35, Verabelle_32, Verse_30, VieEnRose_31, Violac_40, VohminGhazi_78, Waits_83, WalterMcMickey_69, Wander_70, Warrior24_84, WeiHuaDA_76, Werner_28, Whabigail7_76, Whatever_28, WideWale_76, Wiks_77, Wolpertinger_77, WorldCup_75, XFactor_38, XianYue_71, Yasdnil_28, Yecey3_79, Yokurt_77, Yoncess_57, Yosif_31, Zainub_31, Zaka_78, ZamZam_30, Zemlya_30, Zimmer_74, Zolita_68, Zulu_79, phiCAM_30, phiHau3_31,

Summary by start number:

Start 42:
• Found in 2 of 847 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brushbloom_40 (F1), PhesterPhotato_39 (F1),

Start 69:
• Found in 14 of 847 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 7.1% of time when present
• Phage (with cluster) where this start called: AgronaGT15_76 (A3),

Start 75:
• Found in 2 of 847 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Taquito_84 (K4),

Start 97:
• Found in 77 of 847 (9.1%) of genes in pham
• Manual Annotations of this start: 4 of 759
• Called 5.2% of time when present
• Phage (with cluster) where this start called: ArcherNM_69 (A2), Larenn_72 (A2), Malec_73 (A2), Piro94_75 (A2),

Start 100:
• Found in 26 of 847 (3.1%) of genes in pham
• Manual Annotations of this start: 2 of 759
• Called 7.7% of time when present
• Phage (with cluster) where this start called: AnnaL29_75 (A2), Poompha_67 (A10),

Start 103:
• Found in 22 of 847 (2.6%) of genes in pham
• Manual Annotations of this start: 9 of 759

• Called 40.9% of time when present
• Phage (with cluster) where this start called: Artemis2UCLA_77 (A6), Blue7_79 (A6), CloudWang3_78 (A6), Gladiator_75 (A6), Gruunaga_77 (A6), Hammer_78 (A6), Hexamo_77 (A6), Zaka_78 (A6), Zulu_79 (A6),

Start 108:
• Found in 7 of 847 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Fruitloop_37 (F1),

Start 110:
• Found in 216 of 847 (25.5%) of genes in pham
• Manual Annotations of this start: 2 of 759
• Called 0.9% of time when present
• Phage (with cluster) where this start called: Alvin_73 (A1), Edtherson_74 (A1),

Start 115:
• Found in 20 of 847 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Nishikigoi_29 (BD2),

Start 116:
• Found in 2 of 847 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Zimmer_74 (A12),

Start 118:
• Found in 217 of 847 (25.6%) of genes in pham
• Manual Annotations of this start: 33 of 759
• Called 17.5% of time when present
• Phage (with cluster) where this start called: Arissanae_74 (A9), BogosyJay_77 (A9), Bud_73 (A11), Changeling_74 (A2), CogOmlette_75 (A9), Conquerage_75 (A9), DBQu4n_78 (A2), Dorothea_78 (A6), EdogawaKiddo_75 (A9), Eidsmoe_75 (A9), Fibonacci_77 (A11), Gratitude_73 (A2), Herbertwm_72 (A2), HortumSL17_78 (A9), IronMan_73 (A2), Jaan_74 (A2), Jerm_77 (A2), Jordennis_76 (A6), Journey13_65 (A2), Maminiaina_77 (A9), Mulciber_76 (A11), Munch_78 (A11), Myxus_77 (A9), NothingSpecial_71 (A2), PackMan_76 (A9), Phaded_71 (A2), Pharaoh_71 (A12), Pmask_77 (A6), Prudy_69 (A2), Pukovnik_72 (A2), Rahalelujah_77 (A9), RedRock_74 (A2), Scherzo_76 (A9), SuperAwesome_78 (A6), TarsusIV_73 (A2), Turbido_76 (A2), WorldCup_75 (A9), XianYue_71 (A2),

Start 119:
• Found in 42 of 847 (5.0%) of genes in pham
• Manual Annotations of this start: 17 of 759
• Called 45.2% of time when present
• Phage (with cluster) where this start called: Brookers_37 (F1), Byougenkin_38 (F1), CaptainTrips_39 (F1), Coco12_38 (F1), Donkeykong_39 (F1), Galactic_41 (F1), IMpilo_38 (F1), Jant_40 (F1), KristaRAM_40 (F1), MilleniumForce_40 (F1), MinionDave_41 (F1), Moonbeam_39 (F1), NewHope4_43 (F1), Ovechkin_39 (F1), Phanphagia_35 (F1), Shauna1_36 (F1), Soul22_44 (F2), Violac_40 (F1), XFactor_38

(F1),

Start 125:
• Found in 288 of 847 (34.0%) of genes in pham
• Manual Annotations of this start: 201 of 759
• Called 80.2% of time when present
• Phage (with cluster) where this start called: 20ES_77 (A2), 40AC_74 (A17), AN3_77 (A2), AbbyPaige_77 (A2), Acolyte_66 (A2), Adzzy_80 (A2), Agape74_77 (A2), Alatin_57 (CA), Alma_75 (A9), Anaysia_84 (A15), Aneem_79 (A11), AngryOrchard_55 (CA), Anon_80 (A15), Anselm_77 (A2), AppleCloud_55 (CA), Ayanochan_74 (A9), BABullseye_71 (A6), BabyBack_72 (A2), Bachome_76 (A11), Bactobuster_68 (A2), Baehexic_74 (A2), Battleship_86 (A15), Beemo_77 (A9), Belenaria_59 (CA), Bellris_77 (A9), BengiVuitton_75 (A2), BennyP_78 (A6), Benvolio_73 (A2), BiancaTri92_74 (A2), BlessJoy_78 (A6), BobSwaget_68 (A2), Bonanza_59 (CA), Bradman_78 (A2), Bugsy_77 (A2), CRB1_77 (A2), Candra_76 (A6), Catalina_79 (A9), Celestialunch_72 (A9), Centaur_76 (A2), Chargerpower_73 (A22), Charm_71 (A9), Chartreuse_77 (A6), Che12_80 (A2), Colin_75 (A2), Cookiedough_78 (A6), CosmicSans_58 (CA), Crucio_76 (A2), DaVinci_76 (A6), Dalmatian_76 (A2), DarthPhader_73 (A12), DeerParkTS_72 (A2), DekHockey33_85 (A15), Deloris_75 (A2), DelvinSonDorr_74 (A6), Dignity_77 (A2), Dinger_57 (CA), Drake55_77 (A2), DreamTeam1_71 (A9), DudeLittle_74 (A2), Duplo_78 (A2), EZMoney23_72 (A2), EagleEye_81 (A16), Ebony_78 (A11), Echild_76 (A2), Elephantoon_77 (A9), Elle_78 (A15), EmyBug_74 (A9), Epsocamisio_81 (A15), Equemioh13_75 (A2), EricB_77 (A6), Espica_59 (CA), Et2Brutus_77 (A11), EvilGenius_75 (A2), ExplosioNervosa_75 (A9), Fameo_74 (A2), Fayely_75 (A9), FiringLine_76 (A2), First_0076 (A2), Flare16_76 (A2), Flaverint_79 (A11), ForesterFrank_71 (A2), Gail_77 (A14), Garak_79 (A6), GaugeLDP_71 (A2), Georgie2_77 (A2), Gilberta_75 (A11), GreedyLawyer_73 (A6), Hanray_75 (A9), Harlequin_57 (CA), HarryHoudini_76 (A2), Heffalump_73 (A2), Helmet_80 (A6), Hiro_58 (CA), Holex_75 (A9), Hoot_73 (A6), Imbriano_74 (A6), Indra_81 (A6), Insomnia_77 (A11), Isiphiwo_75 (A6), Iwokeuplikedis_77 (A2), JSwag_84 (A15), Jabith_77 (A11), Jeeves_79 (A14), Jester_57 (CA), Jiawan_74 (A9), Joselito_77 (A11), JoshKayV_76 (A2), Jsquared_79 (A2), Kalpine_75 (A2), KatherineG_84 (A15), Kazan_79 (A6), Kerberos_78 (A2), Keziacharles14_74 (A9), Kimba_76 (A11), KingCyrus_75 (A2), Kipper29_78 (A6), Klodlith_72 (A9), Koduck_77 (A2), Koko_79 (A6), Krishelle_58 (CA), L5_71 (A2), Landor_74 (A2), LastResort_82 (A15), Leogania_74 (A2), Leviathan_77 (A2), LilTurb_76 (A2), Lilleskat_74 (A9), Lillie_58 (CA), LionsBait_75 (A2), LogiBear_75 (A15), Lokk_69 (A2), LoneWolf_78 (A9), Looper_83 (A15), Loser_77 (A2), Luchador_78 (A14), Lucivia_79 (A11), Lucyedi_80 (A16), MaCh_78 (A11), Mabel_78 (A11), McFly_79 (A6), MegTheThird_72 (A9), MiculUcigas_76 (A2), Miko_69 (A2), MinecraftSteve_84 (A15), Minispark_75 (A9), NaSiaTalie_76 (A2), Naiad_57 (CA), Natosaleda_57 (CA), Nebulosus_81 (A15), Nedarya_79 (A15), Neeharika16_77 (A6), Newrala_77 (A6), NicoleTera_73 (A2), Onglai_75 (A9), Oofda_83 (A15), Partridge_57 (CA), Petersenfast_74 (A11), Phaeder_77 (A9), PhailMary_57 (CA), Phonnegut_77 (A9), Pioneer_77 (A9), Pomar16_78 (A2), Power_75 (A2), Priya_75 (A9), Qobbit_75 (A9), QueenB2_73 (A2), QueenBeesly_76 (A2), Quokka_77 (A2), Rachaly_71 (A2), Ravana_85 (A15), ReMo_82 (A15), Refuge_73 (A12), Remus_84 (A15), Retro23_76 (A2), RexFury_57 (CA), Rhodalysa_58 (CA), Rifter_78 (A6), Roksolana_78 (A6), Rosalind_82 (A15), RyeScarlet_78 (A9), Sachima_73 (A9), Salz_73 (A11), Saskia_76 (A11), SemperFi_76 (A2), Serenity_79 (A2), Sham4_74 (A11), SheaKeira_71 (A9), Shuman_59 (CA), Sknot_76 (A2), Smeagan_78 (A2), SmellyB_78 (A6), SnapTap_75 (A2), Snape_78 (A11), SororFago_77 (A14), Soups_83 (A15), Spouty_75 (A9),

StCroix_57 (CA), StarStuff_78 (A2), Steamy_70 (A12), Strosahl_84 (A15), Sunhee_77 (A14), SuperCallie99_75 (A6), Superchunk_78 (A2), SweetiePie_75 (A2), TWAMP_58 (CA), Temprado_79 (A6), Terrific_76 (A2), Timothy_78 (A11), TipsytheTRex_75 (A2), Toaka_77 (A9), Tomathan_78 (A2), ToneTone_75 (A6), Travvers_77 (A2), Trixie_75 (A2), Trooper_75 (A2), Tubs_77 (A9), Tucker_78 (A6), Updawg_76 (A2), VA6_75 (A2), Vanisoa_74 (A9), VohminGhazi_78 (A6), Waits_83 (A15), Warrior24_84 (A15), WeiHuaDA_76 (A2), Whabigail7_76 (A2), WideWale_76 (A2), Wiks_77 (A6), Wolpertinger_77 (A11), Yecey3_79 (A9), Yokurt_77 (A6), Yoncess_57 (CA),

Start 127:
• Found in 2 of 847 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anthony_73 (A20), FatCactus_71 (A20),

Start 130:
• Found in 42 of 847 (5.0%) of genes in pham
• Manual Annotations of this start: 39 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_69 (A5), Airmid_72 (A5), Aragog_69 (A5), Archetta_67 (A5), Benedict_73 (A5), Bluefalcon_65 (A5), Bonamassa_69 (A5), Chadwick_73 (A5), Conspiracy_70 (A5), Coog_66 (A5), Cuco_68 (A5), Discoknowium_67 (A5), Dublin_69 (A5), ElTiger69_75 (A5), Florence1_67 (A5), Florence4_68 (A5), ForGetIt_70 (A5), George_65 (A5), Ghoulboy_69 (A5), HuhtaEnerson15_67 (A5), Jabiru_71 (A5), Jovo_70 (A5), Lev2_70 (A5), LittleCherry_68 (A5), MarysWell_69 (A5), Micasa_69 (A5), Midas2_66 (A5), Milcery_69 (A5), Naca_72 (A5), PetterN_77 (A5), Phlorence_68 (A5), PickleBack_70 (A5), Prinashe11_67 (A5), Scorpia_73 (A5), Swirley_69 (A5), SydNat_69 (A5), Tarynearal_68 (A5), Theia_68 (A5), Tiger_69 (A5), Twigg_68 (A5), UnionJack_73 (A5), Zolita_68 (A5),

Start 131:
• Found in 87 of 847 (10.3%) of genes in pham
• Manual Annotations of this start: 59 of 759
• Called 75.9% of time when present
• Phage (with cluster) where this start called: Arturo_67 (A4), Astraea_48 (C1), Avle17_70 (A4), BadAgartude_49 (C1), BellusTerra_71 (A4), Bugatti_73 (A3), Camperdownii_68 (A4), Cindaradix_66 (A4), Clammy_73 (A3), Clarenza_69 (A4), Cocoaberry_70 (A4), DirtyDunning_69 (A4), DontArgue_67 (A10), DroogsArmy_69 (A7), DropBear_74 (A3), Eagle_69 (A4), EasyJones_49 (C1), Eris_69 (A4), Eurydice_71 (A4), Fred313_71 (A3), Funston_69 (A4), Gadost_70 (A4), Giroux_76 (A3), HINdeR_70 (A7), HelDan_73 (A3), Houdini22_69 (A4), Idleandcovert_74 (A3), Iracema64_70 (A4), JoongJeon_69 (A4), Kachowdy_74 (A3), Kampy_69 (A4), Kratark_69 (A4), Kyee_70 (A4), LeoAvram_69 (A4), LochMonster_71 (A4), Lorenzo_70 (A4), Maverick_69 (A4), Mayonnaise_67 (A4), Mazhar510_70 (A4), MeeZee_69 (A4), Nebs_71 (A4), Nemo27_69 (A4), NotAPhaseMom_69 (A4), Odin_77 (A2), Ohfah_71 (A4), Palestino_69 (A4), PeterPeter_70 (A4), Phacado_70 (A4), Phelipe_71 (A4), Phighter1804_70 (A4), Polymorphads_70 (A4), Pupusa_53 (C1), ResDef_71 (A3), Roimos_71 (A3), Rosa24_67 (A4), SaturnRing_73 (A3), Scamp_70 (A4), Scout_72 (A3), Spino_69 (A4), Sultana_70 (A4), TNguyen7_74 (A3), Timshel_71 (A7), Tinybot_69 (A4), TroyPia_71 (A4), Ulysses_69 (A4), Wander_70 (A4),

Start 132:
• Found in 5 of 847 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyCatcher_75 (A7), Kimona_69 (A19), PP_72 (A7), Sheen_74 (A7), Toro_73 (A7),

Start 133:
• Found in 17 of 847 (2.0%) of genes in pham
• Manual Annotations of this start: 10 of 759
• Called 64.7% of time when present
• Phage (with cluster) where this start called: Bobi_40 (F1), Chupacabra_68 (A10), Eaglepride_73 (A10), Edison31_67 (A10), Goose_71 (A10), KittenMittens_67 (A10), Mova_39 (F1), Ms6_33 (F1), OKCentral2016_68 (A10), Severus_68 (A10), Twister_69 (A10),

Start 135:
• Found in 35 of 847 (4.1%) of genes in pham
• Manual Annotations of this start: 7 of 759
• Called 28.6% of time when present
• Phage (with cluster) where this start called: BlueBird_76 (A3), Drake94_68 (A10), DustyMartin_72 (A10), Kristoff_69 (A10), PeaceMeal1_68 (A10), Puppy_74 (A3), Rebeuca_71 (A10), Rowdy_72 (A10), Shapes_72 (A10), WalterMcMickey_69 (A10),

Start 137:
• Found in 11 of 847 (1.3%) of genes in pham
• Manual Annotations of this start: 3 of 759
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Aminay_81 (K7), Bombitas_177 (J), Courthouse_190 (J),

Start 138:
• Found in 2 of 847 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SamScheppers_83 (K4),

Start 139:
• Found in 260 of 847 (30.7%) of genes in pham
• Manual Annotations of this start: 224 of 759
• Called 94.6% of time when present
• Phage (with cluster) where this start called: AFIS_72 (A1), Abbyshoes_75 (A1), Acme_79 (A1), Adahisdi_71 (A1), Aeneas_80 (A1), Agaliana_73 (A1), Ajay_72 (A1), Aldrich_67 (A1), Alice_41 (C1), Altman_78 (A1), Anglerfish_77 (A1), Applejack_74 (A1), Ariel_194 (J), Arlo_75 (A1), Ashballer_77 (A1), Atkinbua_81 (A1), BPBiebs31_80 (A1), BaconJack_77 (A1), Barriga_82 (A1), BarrowTuph_78 (A1), Batiatus_38 (F1), Beatrix_72 (A1), BeesKnees_76 (A1), Bethlehem_78 (A1), Bexan_70 (A1), Bezza_42 (C1), Big3_76 (A1), BigMau_78 (A1), Bigchungi_76 (A1), BillKnuckles_69 (A1), Bipolar_36 (F1), Blackflame_71 (A1), Blesser_69 (A1), BluSpix_73 (A1), Blue_72 (A1), Bob3_76 (A1), Bones_71 (A1), Briton15_78 (A1), Bruns_78 (A1), Burton_76 (A1), Buttons_72 (A1), Bxb1_69 (A1), CactusRose_78 (A1), Carlyle_76 (A1), CartmannCramer_71 (A1), CatBus_67 (A1),

ChristmasHams_66 (A1), Ciao_72 (A1), ConceptII_80 (A1), Corium_38 (F1), Corvo_77 (A1), DD5_73 (A1), DLane_38 (F1), Dexes_76 (A1), Doom_68 (A1), DrFeelGood_71 (A1), DreamCatcher_79 (A1), Dreamboat_75 (A1), Dulcie_76 (A1), Dussy_74 (A1), Dynamix_75 (A1), Emma_41 (F1), EnzoK_76 (A1), Enzomatic_44 (F1), Espresso_69 (A1), Euphoria_76 (A1), Eyeball_74 (A1), Fajezeel_78 (A1), Fascinus_71 (A1), Fenn_78 (A1), Flathead_38 (F1), Forsytheast_77 (A1), Francis47_77 (A1), Fushigi_69 (A1), GMonster_73 (A1), GageAP_78 (A1), Gandalf20_74 (A1), Gompeii16_76 (A1), Graduation_78 (A1), GrecoEtereo_79 (A1), Greg_78 (A1), GroundGoblin_69 (A1), Gwendoluna_79 (A1), Hami1_68 (A1), HarryOW_76 (A1), Hermia_70 (A1), HermioneGrange_79 (A1), Homines_63 (A1), Hope4ever_76 (A1), HyRo_222 (C1), ILeeKay_73 (A1), Ichabod_78 (A1), IgnatiusPatJac_75 (A1), Inyanga_67 (A1), Iqorha_67 (A1), JC27_76 (A1), JackSparrow_76 (A1), Jasper_74 (A1), Jennelsea_33 (F1), Jerm2_77 (A1), Jorgensen_82 (A1), Juice456_41 (F1), JuliaChild_76 (A1), JulietS_42 (C1), KBG_73 (A1), KSSJEB_72 (A1), Kalah2_189 (J), Kanely_77 (A1), Kenuha5_35 (F1), KikiBouba_71 (A1), Killigrew_72 (A1), KingJulian_39 (F1), Koguma_43 (C1), Kugel_77 (A1), KyMonks1A_81 (A1), Kykar_75 (A1), LRRHood_44 (C1), Lamina13_79 (A1), Lesedi_72 (A1), Levia_69 (A1), Licorice_76 (A1), LilBib_72 (A1), LittleE_195 (J), Lockley_72 (A1), Lopton_74 (A1), Lukilu_41 (C1), LunaBlu_42 (F1), MPlant7149_75 (A1), Magnar_71 (A1), Marcell_68 (A1), Marchy_67 (A1), Marco3_78 (A1), Marge_72 (A1), Marsha_75 (A1), MaryBeth_73 (A1), McGuire_75 (A1), McSinger_74 (A1), Melissauren88_38 (F1), MetalQZJ_72 (A1), MiaZeal_196 (J), Michley_76 (A1), MilleFeuille_75 (A1), Mkhuseli_72 (A1), Moby_234 (C1), Moiqah_234 (C1), Molly_75 (A1), Monet_79 (A1), Moose_77 (A1), Morizzled23_50 (C1), MrGordo_76 (A1), Mryolo_70 (A1), Mule_74 (A1), NEHalo_71 (A1), Naira_77 (A1), Nerujay_79 (A1), Nhonho_71 (A1), Niza_75 (A1), Noxious_71 (A1), Ohno789_78 (A1), Oogway_74 (A1), Papez_77 (A1), Paphu_70 (A1), Paraselene_73 (A1), Pari_80 (A1), Parliament_76 (A1), PascalRango_73 (A1), PatoPoderoso_38 (F1), PattyP_75 (A1), Pelly_78 (A1), Perseus_75 (A1), Petp2012_76 (A1), Phalconet_39 (F1), PherrisBueller_74 (A1), PhineBark_71 (A1), Phlippers_73 (A1), Phox_45 (C1), PinkPlastic_71 (A1), Pinkcreek_38 (C1), Pinto_75 (A1), Pippin_76 (A1), Pita2_76 (A1), Polo2Bam_43 (F1), Pound_183 (J), PowerRanger_71 (A1), ProMouse_75 (A1), Puppet_71 (A1), QTRlifeCrisis_74 (A1), Rabinovish_45 (C1), Raid_72 (A1), Rajelicia_77 (A1), Rhynn_71 (A1), Rialto_43 (F1), Ringer_75 (A1), Rohr_78 (A1), Ronan_41 (C1), Rubeus_76 (A1), Rufus_78 (A1), Ruotula_79 (A1), Rutherferd_77 (A1), STLscum_81 (A1), Sagefire_72 (A1), Sandaddy_73 (A1), Sanya_74 (A1), Scowl_76 (A1), SeaLumen_43 (F1), Seabiscuit_75 (A1), Seanderson_75 (A1), Shaqnato_43 (C1), ShortQueendom_70 (A1), Sibs6_75 (A1), Slagathor_76 (A1), Smeagol_78 (A1), Snazzy_76 (A1), Solon_71 (A1), Sorpresa_74 (A1), SpikeBT_72 (A1), Squee_76 (A1), Squint_188 (J), StAnnes_38 (F1), StewieG_70 (A1), StrongArm_71 (A1), Stubby_43 (C1), Sumter_72 (A1), Sunshine924_76 (A1), Superphikiman_191 (J), SwissCheese_79 (A1), Swole_76 (A1), Target_75 (A1), Tasp14_74 (A1), Teodoridan_72 (A1), TheloniousMonk_77 (A1), Topgun_71 (A1), Traft412_75 (A1), Treddle_77 (A1), Tripl3t_78 (A1), TwoPeat_75 (A1), U2_69 (A1), Violet_70 (A1), Watermelon_78 (A1), Wheeler_79 (A1), Whitspit_68 (A1), Wilkins_72 (A1), Yassified_45 (C1), Zeeculate_71 (A1), Zephyr_77 (A1), Zeuska_77 (A1),

Start 143:
• Found in 18 of 847 (2.1%) of genes in pham
• Manual Annotations of this start: 18 of 759
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ACFishhook_76 (A3), Calvinny_78 (A3), ClownCar_78 (A3), Gemma_76 (A3), Groupthink_79 (A3), HaveUMetTed_79 (A3), Heliosoles_76 (A3), JeppNRM_79 (A3), Jobu08_75 (A3), Kalnoky_79 (A3), Manu_78 (A3), Marius_79 (A3), OlanP_77 (A3), Pawn_77 (A3), PhishRPhriends_75 (A3), PurpleHaze_78 (A3), Reba_74 (A3), SoilDragon_78 (A3),

Start 148:
• Found in 4 of 847 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Kinmap_79 (A21),

Start 149:
• Found in 117 of 847 (13.8%) of genes in pham
• Manual Annotations of this start: 110 of 759
• Called 99.1% of time when present
• Phage (with cluster) where this start called: Aaronocolus_29 (BD1), Alsaber_31 (BD3), Alvy_31 (BD2), Amela_30 (BD3), Amethyst_29 (BD2), Andris_29 (BD2), Animus_30 (BD2), Asten_28 (BD1), Axiom_30 (BD2), BarryBee_30 (BD1), BartholomewSD_31 (BD2), BeardedLady_30 (BD1), Bovely_29 (BD1), Bowden_29 (BD2), Brataylor_31 (BD1), BroPlease_30 (BD4), BryanRecycles_30 (BD1), Caelum_30 (BD2), Caliburn_29 (BD1), Celery_33 (BD3), Celeste_29 (BD1), Celia_31 (BD6), Chucky_28 (BD1), Conan_31 (BD3), Danzina_30 (BD1), Dattran_30 (BD1), Daudau_29 (BD2), Dexers_29 (BD3), Diane_29 (BD2), Dwayne_28 (BD1), ELB20_28 (BD2), Eddasa_30 (BD1), Ejemplo_28 (BD1), ElGato_31 (BD3), Emaanora_30 (BD1), EnochSoames_32 (BD1), Esperer_29 (BD1), GirlDinner_29 (BD2), Goby_29 (BD1), Godpower_30 (BD1), GreenWeasel_31 (BD4), Haizum_29 (BD2), Hank144_30 (BD2), Hippo_28 (BD1), Hydra_31 (BD1), Indigo_28 (BD1), Issmi_30 (BD2), Itza_31 (BD6), Izzy_30 (BD1), Janus_30 (BD2), Jash_30 (BD1), Jevington_31 (BD2), Jhitchelle_29 (BD3), Kaine_30 (BD3), Katalie_29 (BD1), Lannister_31 (BD1), Legacy_29 (BD1), Leviticus_29 (BD1), Lika_29 (BD1), Loofah_30 (BD2), Lorelei_29 (BD1), Maneekul_28 (BD1), Marav_32 (BD2), Nabi_29 (BD1), Nanodon_31 (BD1), Nerdos_29 (BD1), Oliynyk_30 (BD1), Omar_30 (BD2), Ozzie_29 (BD1), OzzyJ_29 (BD1), Pablito_29 (BD2), Paedore_29 (BD2), Paolo_31 (BD2), Pavo_31 (BD3), Phettuccine_29 (BD1), Provolone_31 (BD3), Puginator_31 (BD2), R4_29 (BD2), Rana_29 (BD1), RedBear_30 (BD1), Rusticus_30 (BD1), Saftant_30 (BD3), SarahRose_28 (BD1), Snorlax_28 (BD1), South40_29 (BD1), Speedwell_35 (BD3), SqueakyClean_30 (BD2), Sudan_30 (BD3), Sujidade_30 (BD1), SunkenRoot_30 (BD3), SunsetPointe_29 (BD1), Superstar_32 (BD2), TagePhighter_29 (BD1), Tefunt_29 (BD2), Thestral_30 (BD2), TinaBelcher_29 (BD2), Toma_29 (BD1), Triste_28 (BD1), Triumph_31 (BD2), TrvxScott_28 (BD2), TuanPN_28 (BD1), Unstoppable_29 (BD1), Urza_31 (BD6), Vanseggelen_35 (BD3), Verabelle_32 (BD3), Verse_30 (BD3), VieEnRose_31 (BD6), Werner_28 (BD1), Whatever_28 (BD1), Yasdnil_28 (BD1), Yosif_31 (BD3), Zainub_31 (BD2), ZamZam_30 (BD3), Zemlya_30 (BD1), phiCAM_30 (BD3), phiHau3_31 (BD4),

Start 152:
• Found in 27 of 847 (3.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 3.7% of time when present
• Phage (with cluster) where this start called: LadyBird_79 (A2),

Start 155:

• Found in 3 of 847 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Tailonex_62 (singleton),

Start 157:
• Found in 394 of 847 (46.5%) of genes in pham
• Manual Annotations of this start: 5 of 759
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Akhila_32 (F1), BigPaolini_73 (A1), DirtDevil_69 (A1), KekoraPapaka_67 (A4), MilanaBonita_32 (F1), Pepe_69 (A1), Skadoosh_68 (A4), Tote_71 (A1),

Start 170:
• Found in 1 of 847 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_185 (UNK),

Start 172:
• Found in 643 of 847 (75.9%) of genes in pham
• Manual Annotations of this start: 2 of 759
• Called 0.5% of time when present
• Phage (with cluster) where this start called: HippoHollow_73 (A2), Ph8s_80 (A2), SwirlSquare_81 (A2),

Summary by clusters:

There are 33 clusters represented in this pham: singleton, K7, K4, A15, A14, A17, A16, A11, A10, A12, A19, A1, BD4, A3, A2, BD1, A4, BD3, BD2, A9, A5, C1, A7, A21, CA, J, F2, UNK, A20, F1, A22, BD6, A6,

Info for manual annotations of cluster A1:
•Start number 110 was manually annotated 2 times for cluster A1.
•Start number 139 was manually annotated 188 times for cluster A1.
•Start number 157 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 100 was manually annotated 1 time for cluster A10.
•Start number 133 was manually annotated 8 times for cluster A10.
•Start number 135 was manually annotated 5 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 118 was manually annotated 4 times for cluster A11.
•Start number 125 was manually annotated 19 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 116 was manually annotated 1 time for cluster A12.
•Start number 118 was manually annotated 1 time for cluster A12.
•Start number 125 was manually annotated 3 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 125 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 125 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 125 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A19:
•Start number 132 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 97 was manually annotated 4 times for cluster A2.
•Start number 100 was manually annotated 1 time for cluster A2.
•Start number 118 was manually annotated 14 times for cluster A2.
•Start number 125 was manually annotated 73 times for cluster A2.
•Start number 131 was manually annotated 1 time for cluster A2.
•Start number 152 was manually annotated 1 time for cluster A2.
•Start number 172 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 127 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:
•Start number 125 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 69 was manually annotated 1 time for cluster A3.
•Start number 131 was manually annotated 9 times for cluster A3.
•Start number 135 was manually annotated 2 times for cluster A3.
•Start number 143 was manually annotated 18 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 131 was manually annotated 43 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 130 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 103 was manually annotated 9 times for cluster A6.
•Start number 118 was manually annotated 4 times for cluster A6.
•Start number 125 was manually annotated 28 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 131 was manually annotated 3 times for cluster A7.
•Start number 132 was manually annotated 2 times for cluster A7.

Info for manual annotations of cluster A9:
•Start number 118 was manually annotated 10 times for cluster A9.
•Start number 125 was manually annotated 25 times for cluster A9.

Info for manual annotations of cluster BD1:

•Start number 149 was manually annotated 55 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 115 was manually annotated 1 time for cluster BD2.
•Start number 149 was manually annotated 32 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 149 was manually annotated 16 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 149 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 149 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster C1:
•Start number 131 was manually annotated 3 times for cluster C1.
•Start number 139 was manually annotated 15 times for cluster C1.

Info for manual annotations of cluster CA:
•Start number 125 was manually annotated 23 times for cluster CA.

Info for manual annotations of cluster F1:
•Start number 42 was manually annotated 2 times for cluster F1.
•Start number 108 was manually annotated 1 time for cluster F1.
•Start number 119 was manually annotated 16 times for cluster F1.
•Start number 133 was manually annotated 2 times for cluster F1.
•Start number 139 was manually annotated 14 times for cluster F1.
•Start number 157 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 119 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster J:
•Start number 137 was manually annotated 2 times for cluster J.
•Start number 139 was manually annotated 7 times for cluster J.

Info for manual annotations of cluster K4:
•Start number 75 was manually annotated 1 time for cluster K4.
•Start number 138 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K7:
•Start number 137 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster UNK:
•Start number 170 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: 20ES_77 Start: 45500, Stop: 44928, Start Num: 125
Candidate Starts for 20ES_77:

(Start: 125 @45500 has 201 MA's), (Start: 172 @45383 has 2 MA's), (173, 45374), (180, 45347), (183, 45326), (208, 45224), (211, 45215), (226, 45137), (232, 45098), (248, 45044),

Gene: 40AC_74 Start: 45910, Stop: 45359, Start Num: 125
Candidate Starts for 40AC_74:
(Start: 118 @45922 has 33 MA's), (Start: 125 @45910 has 201 MA's), (151, 45862), (Start: 172 @45793 has 2 MA's), (173, 45784), (180, 45757), (183, 45736), (196, 45682), (208, 45634), (214, 45610), (220, 45583), (221, 45568), (226, 45547), (227, 45544), (232, 45508), (258, 45409),

Gene: ACFishhook_76 Start: 44888, Stop: 44379, Start Num: 143
Candidate Starts for ACFishhook_76:
(Start: 143 @44888 has 18 MA's), (Start: 157 @44852 has 5 MA's), (Start: 172 @44801 has 2 MA's), (173, 44792), (186, 44726), (196, 44690), (208, 44642), (214, 44621), (225, 44561), (226, 44558), (232, 44519), (248, 44456), (259, 44411),

Gene: AFIS_72 Start: 46954, Stop: 46442, Start Num: 139
Candidate Starts for AFIS_72:
(51, 47128), (67, 47095), (93, 47032), (Start: 110 @47011 has 2 MA's), (Start: 139 @46954 has 224 MA's), (Start: 157 @46912 has 5 MA's), (Start: 172 @46861 has 2 MA's), (173, 46852), (183, 46804), (214, 46681), (221, 46639), (264, 46453),

Gene: AN3_77 Start: 44285, Stop: 43713, Start Num: 125
Candidate Starts for AN3_77:
(Start: 125 @44285 has 201 MA's), (Start: 152 @44231 has 1 MA's), (Start: 172 @44168 has 2 MA's), (173, 44159), (183, 44111), (186, 44093), (188, 44084), (208, 44009), (211, 44000), (226, 43922), (232, 43883), (260, 43754), (261, 43745),

Gene: Aaronocolus_29 Start: 22593, Stop: 23045, Start Num: 149
Candidate Starts for Aaronocolus_29:
(18, 22284), (20, 22296), (21, 22302), (22, 22305), (38, 22362), (39, 22365), (53, 22422), (61, 22437), (64, 22440), (66, 22443), (Start: 69 @22452 has 1 MA's), (71, 22455), (84, 22491), (105, 22524), (128, 22566), (Start: 149 @22593 has 110 MA's), (167, 22665), (203, 22824), (221, 22905), (233, 22968),

Gene: AbbyPaige_77 Start: 45770, Stop: 45195, Start Num: 125
Candidate Starts for AbbyPaige_77:
(19, 46034), (30, 45986), (34, 45974), (Start: 97 @45812 has 4 MA's), (107, 45800), (Start: 118 @45782 has 33 MA's), (Start: 125 @45770 has 201 MA's), (Start: 172 @45653 has 2 MA's), (173, 45644), (183, 45596), (208, 45494), (226, 45407), (232, 45368), (250, 45305),

Gene: Abbyshoes_75 Start: 46207, Stop: 45695, Start Num: 139
Candidate Starts for Abbyshoes_75:
(51, 46381), (67, 46348), (Start: 110 @46264 has 2 MA's), (Start: 139 @46207 has 224 MA's), (Start: 157 @46165 has 5 MA's), (Start: 172 @46114 has 2 MA's), (173, 46105), (183, 46057), (214, 45934), (221, 45892), (255, 45748), (264, 45706),

Gene: Acme_79 Start: 48278, Stop: 47766, Start Num: 139
Candidate Starts for Acme_79:
(51, 48452), (67, 48419), (Start: 110 @48335 has 2 MA's), (Start: 139 @48278 has 224 MA's), (Start: 157 @48236 has 5 MA's), (Start: 172 @48185 has 2 MA's), (173, 48176), (183, 48128), (214, 48005), (221, 47963), (264, 47777),

Gene: Acolyte_66 Start: 43348, Stop: 42803, Start Num: 125
Candidate Starts for Acolyte_66:

(Start: 118 @43360 has 33 MA's), (Start: 125 @43348 has 201 MA's), (140, 43321), (142, 43318), (Start: 172 @43231 has 2 MA's), (173, 43222), (176, 43207), (183, 43174), (208, 43072), (214, 43048), (221, 43006), (225, 42988), (232, 42946), (248, 42889), (258, 42844),

Gene: Adahisdi_71 Start: 46277, Stop: 45765, Start Num: 139
Candidate Starts for Adahisdi_71:
(51, 46451), (67, 46418), (Start: 110 @46334 has 2 MA's), (Start: 139 @46277 has 224 MA's), (Start: 157 @46235 has 5 MA's), (Start: 172 @46184 has 2 MA's), (173, 46175), (183, 46127), (214, 46004), (221, 45962), (264, 45776),

Gene: Adzzy_80 Start: 45187, Stop: 44639, Start Num: 125
Candidate Starts for Adzzy_80:
(Start: 118 @45199 has 33 MA's), (Start: 125 @45187 has 201 MA's), (Start: 172 @45070 has 2 MA's), (173, 45061), (183, 45013), (186, 44995), (208, 44911), (214, 44887), (221, 44845), (225, 44827), (232, 44785), (258, 44683),

Gene: Aeneas_80 Start: 48566, Stop: 48054, Start Num: 139
Candidate Starts for Aeneas_80:
(51, 48740), (67, 48707), (Start: 110 @48623 has 2 MA's), (Start: 139 @48566 has 224 MA's), (Start: 157 @48524 has 5 MA's), (Start: 172 @48473 has 2 MA's), (173, 48464), (183, 48416), (214, 48293), (221, 48251), (255, 48107), (264, 48065),

Gene: Agaliana_73 Start: 45095, Stop: 44583, Start Num: 139
Candidate Starts for Agaliana_73:
(51, 45269), (67, 45236), (Start: 110 @45152 has 2 MA's), (Start: 139 @45095 has 224 MA's), (Start: 157 @45053 has 5 MA's), (Start: 172 @45002 has 2 MA's), (173, 44993), (183, 44945), (214, 44822), (221, 44780), (264, 44594),

Gene: Agape74_77 Start: 45765, Stop: 45190, Start Num: 125
Candidate Starts for Agape74_77:
(19, 46029), (30, 45981), (34, 45969), (Start: 97 @45807 has 4 MA's), (107, 45795), (Start: 118 @45777 has 33 MA's), (Start: 125 @45765 has 201 MA's), (Start: 172 @45648 has 2 MA's), (173, 45639), (183, 45591), (208, 45489), (226, 45402), (232, 45363), (250, 45300),

Gene: AgentM_69 Start: 43551, Stop: 43021, Start Num: 130
Candidate Starts for AgentM_69:
(126, 43557), (Start: 130 @43551 has 39 MA's), (203, 43299), (204, 43296), (208, 43275), (214, 43254), (246, 43101), (249, 43095), (257, 43056),

Gene: AgronaGT15_76 Start: 45013, Stop: 44345, Start Num: 69
Candidate Starts for AgronaGT15_76:
(47, 45058), (Start: 69 @45013 has 1 MA's), (77, 44992), (Start: 97 @44947 has 4 MA's), (112, 44926), (114, 44920), (Start: 135 @44878 has 7 MA's), (150, 44848), (155, 44833), (180, 44731), (181, 44728), (186, 44692), (196, 44656), (208, 44608), (214, 44587), (225, 44527), (226, 44524), (227, 44521), (232, 44485), (248, 44422), (259, 44377),

Gene: Airmid_72 Start: 44380, Stop: 43850, Start Num: 130
Candidate Starts for Airmid_72:
(65, 44512), (78, 44479), (Start: 130 @44380 has 39 MA's), (147, 44350), (187, 44188), (192, 44164), (203, 44128), (208, 44104), (214, 44083), (246, 43930), (249, 43924), (257, 43885),

Gene: Ajay_72 Start: 45478, Stop: 44966, Start Num: 139
Candidate Starts for Ajay_72:

(51, 45652), (67, 45619), (93, 45556), (Start: 110 @45535 has 2 MA's), (Start: 139 @45478 has 224 MA's), (Start: 157 @45436 has 5 MA's), (Start: 172 @45385 has 2 MA's), (173, 45376), (183, 45328), (214, 45205), (221, 45163), (264, 44977),

Gene: Akhila_32 Start: 27185, Stop: 26715, Start Num: 157
Candidate Starts for Akhila_32:
(Start: 139 @27227 has 224 MA's), (Start: 157 @27185 has 5 MA's), (Start: 172 @27134 has 2 MA's), (173, 27125), (183, 27077), (190, 27035), (214, 26954), (221, 26912), (264, 26726),

Gene: Alatin_57 Start: 40202, Stop: 39678, Start Num: 125
Candidate Starts for Alatin_57:
(Start: 125 @40202 has 201 MA's), (156, 40157), (160, 40139), (186, 40025), (195, 39989), (204, 39962), (208, 39941), (214, 39920), (216, 39905), (222, 39875), (223, 39872), (226, 39857), (248, 39761), (250, 39752), (263, 39695),

Gene: Aldrich_67 Start: 44779, Stop: 44267, Start Num: 139
Candidate Starts for Aldrich_67:
(51, 44953), (67, 44920), (Start: 110 @44836 has 2 MA's), (Start: 139 @44779 has 224 MA's), (Start: 157 @44737 has 5 MA's), (Start: 172 @44686 has 2 MA's), (173, 44677), (183, 44629), (214, 44506), (221, 44464), (264, 44278),

Gene: Alice_41 Start: 14045, Stop: 14557, Start Num: 139
Candidate Starts for Alice_41:
(46, 13856), (Start: 131 @14033 has 59 MA's), (Start: 139 @14045 has 224 MA's), (Start: 157 @14087 has 5 MA's), (Start: 172 @14138 has 2 MA's), (173, 14147), (183, 14195), (190, 14237), (214, 14318), (221, 14360), (264, 14546),

Gene: Alma_75 Start: 44677, Stop: 44141, Start Num: 125
Candidate Starts for Alma_75:
(Start: 118 @44689 has 33 MA's), (Start: 125 @44677 has 201 MA's), (Start: 172 @44581 has 2 MA's), (173, 44572), (176, 44557), (183, 44524), (214, 44401), (216, 44386), (217, 44383), (225, 44341), (226, 44338), (242, 44260), (250, 44230),

Gene: Alsaber_31 Start: 24299, Stop: 24754, Start Num: 149
Candidate Starts for Alsaber_31:
(Start: 149 @24299 has 110 MA's), (154, 24317), (167, 24371), (178, 24419), (203, 24530), (221, 24617), (227, 24641),

Gene: Altman_78 Start: 47286, Stop: 46774, Start Num: 139
Candidate Starts for Altman_78:
(51, 47460), (67, 47427), (Start: 110 @47343 has 2 MA's), (Start: 139 @47286 has 224 MA's), (Start: 157 @47244 has 5 MA's), (Start: 172 @47193 has 2 MA's), (173, 47184), (183, 47136), (208, 47034), (214, 47013), (221, 46971), (255, 46827), (264, 46785),

Gene: Alvin_73 Start: 45755, Stop: 45186, Start Num: 110
Candidate Starts for Alvin_73:
(51, 45872), (67, 45839), (93, 45776), (Start: 110 @45755 has 2 MA's), (Start: 139 @45698 has 224 MA's), (Start: 157 @45656 has 5 MA's), (Start: 172 @45605 has 2 MA's), (173, 45596), (183, 45548), (214, 45425), (221, 45383), (264, 45197),

Gene: Alvy_31 Start: 23614, Stop: 24072, Start Num: 149
Candidate Starts for Alvy_31:

(114, 23557), (Start: 149 @23614 has 110 MA's), (167, 23686), (175, 23725), (178, 23734), (192, 23809), (203, 23845), (221, 23926), (233, 23989),

Gene: Amela_30 Start: 25135, Stop: 25590, Start Num: 149
Candidate Starts for Amela_30:
(94, 25042), (Start: 110 @25063 has 2 MA's), (Start: 149 @25135 has 110 MA's), (167, 25207), (203, 25366), (221, 25453), (227, 25477),

Gene: Amethyst_29 Start: 23241, Stop: 23708, Start Num: 149
Candidate Starts for Amethyst_29:
(Start: 115 @23196 has 1 MA's), (Start: 119 @23202 has 17 MA's), (Start: 149 @23241 has 110 MA's), (Start: 157 @23274 has 5 MA's), (167, 23313), (178, 23361), (192, 23436), (203, 23472), (221, 23556), (225, 23574), (227, 23580),

Gene: Aminay_81 Start: 51706, Stop: 52278, Start Num: 137
Candidate Starts for Aminay_81:
(82, 51604), (Start: 137 @51706 has 3 MA's), (142, 51715), (160, 51769), (173, 51817), (176, 51832), (180, 51844), (191, 51907), (204, 51946), (213, 51985), (223, 52036), (231, 52075), (250, 52147), (267, 52228), (268, 52243), (269, 52246),

Gene: Anaysia_84 Start: 45925, Stop: 45386, Start Num: 125
Candidate Starts for Anaysia_84:
(Start: 125 @45925 has 201 MA's), (Start: 157 @45880 has 5 MA's), (Start: 172 @45811 has 2 MA's), (173, 45802), (183, 45754), (208, 45652), (214, 45631), (240, 45493), (246, 45475), (250, 45463), (258, 45427),

Gene: Andris_29 Start: 23238, Stop: 23696, Start Num: 149
Candidate Starts for Andris_29:
(104, 23172), (Start: 149 @23238 has 110 MA's), (167, 23310), (178, 23358), (192, 23433), (203, 23469), (207, 23490), (213, 23508), (221, 23550),

Gene: Aneem_79 Start: 45350, Stop: 44799, Start Num: 125
Candidate Starts for Aneem_79:
(Start: 97 @45392 has 4 MA's), (Start: 118 @45362 has 33 MA's), (Start: 125 @45350 has 201 MA's), (141, 45323), (Start: 172 @45233 has 2 MA's), (176, 45209), (183, 45176), (208, 45074), (214, 45050), (216, 45035), (221, 45008), (226, 44987), (232, 44948), (258, 44849), (266, 44816),

Gene: Anglerfish_77 Start: 47609, Stop: 47097, Start Num: 139
Candidate Starts for Anglerfish_77:
(51, 47783), (67, 47750), (Start: 110 @47666 has 2 MA's), (Start: 139 @47609 has 224 MA's), (Start: 157 @47567 has 5 MA's), (Start: 172 @47516 has 2 MA's), (173, 47507), (183, 47459), (214, 47336), (221, 47294), (264, 47108),

Gene: AngryOrchard_55 Start: 40257, Stop: 39733, Start Num: 125
Candidate Starts for AngryOrchard_55:
(Start: 125 @40257 has 201 MA's), (160, 40194), (186, 40080), (195, 40044), (204, 40017), (208, 39996), (214, 39975), (223, 39927), (248, 39816), (250, 39807), (263, 39750),

Gene: Animus_30 Start: 23553, Stop: 24011, Start Num: 149
Candidate Starts for Animus_30:
(Start: 115 @23508 has 1 MA's), (Start: 119 @23514 has 17 MA's), (121, 23517), (Start: 149 @23553 has 110 MA's), (167, 23625), (178, 23673), (192, 23748), (201, 23778), (203, 23784), (205, 23793), (221, 23865), (227, 23889),

Gene: AnnaL29_75 Start: 45761, Stop: 45144, Start Num: 100
Candidate Starts for AnnaL29_75:
(63, 45839), (Start: 97 @45764 has 4 MA's), (Start: 100 @45761 has 2 MA's), (Start: 118 @45734 has 33 MA's), (Start: 125 @45722 has 201 MA's), (Start: 172 @45605 has 2 MA's), (173, 45596), (180, 45569), (183, 45548), (208, 45446), (211, 45437), (222, 45377), (226, 45359), (232, 45320),

Gene: Anon_80 Start: 45240, Stop: 44707, Start Num: 125
Candidate Starts for Anon_80:
(Start: 100 @45279 has 2 MA's), (Start: 125 @45240 has 201 MA's), (Start: 157 @45183 has 5 MA's), (171, 45141), (180, 45096), (183, 45075), (186, 45057), (208, 44973), (214, 44952), (221, 44910), (227, 44886), (246, 44796), (250, 44784), (258, 44748), (266, 44715),

Gene: Anselm_77 Start: 45836, Stop: 45258, Start Num: 125
Candidate Starts for Anselm_77:
(Start: 97 @45878 has 4 MA's), (107, 45866), (Start: 118 @45848 has 33 MA's), (Start: 125 @45836 has 201 MA's), (Start: 172 @45719 has 2 MA's), (173, 45710), (183, 45662), (208, 45560), (222, 45491), (226, 45473), (231, 45443), (232, 45434), (250, 45371),

Gene: Anthony_73 Start: 44766, Stop: 44242, Start Num: 127
Candidate Starts for Anthony_73:
(Start: 127 @44766 has 1 MA's), (153, 44721), (160, 44697), (Start: 172 @44658 has 2 MA's), (187, 44580), (190, 44559), (196, 44547), (208, 44499), (214, 44478), (225, 44418), (226, 44415), (227, 44412), (232, 44376), (250, 44310), (259, 44274),

Gene: AppleCloud_55 Start: 39917, Stop: 39393, Start Num: 125
Candidate Starts for AppleCloud_55:
(Start: 125 @39917 has 201 MA's), (156, 39872), (160, 39854), (186, 39740), (195, 39704), (204, 39677), (208, 39656), (214, 39635), (216, 39620), (222, 39590), (223, 39587), (248, 39476), (250, 39467), (263, 39410),

Gene: Applejack_74 Start: 44460, Stop: 43924, Start Num: 139
Candidate Starts for Applejack_74:
(51, 44634), (67, 44601), (Start: 110 @44517 has 2 MA's), (Start: 139 @44460 has 224 MA's), (Start: 157 @44418 has 5 MA's), (Start: 172 @44367 has 2 MA's), (173, 44358), (183, 44310), (214, 44187), (221, 44145), (234, 44067),

Gene: Aragog_69 Start: 43571, Stop: 43041, Start Num: 130
Candidate Starts for Aragog_69:
(126, 43577), (Start: 130 @43571 has 39 MA's), (203, 43319), (204, 43316), (208, 43295), (214, 43274), (246, 43121), (249, 43115), (257, 43076),

Gene: ArcherNM_69 Start: 45032, Stop: 44412, Start Num: 97
Candidate Starts for ArcherNM_69:
(Start: 97 @45032 has 4 MA's), (Start: 118 @45002 has 33 MA's), (Start: 125 @44990 has 201 MA's), (Start: 172 @44873 has 2 MA's), (173, 44864), (183, 44816), (208, 44714), (211, 44705), (222, 44645), (226, 44627), (232, 44588),

Gene: Archetta_67 Start: 43517, Stop: 42987, Start Num: 130
Candidate Starts for Archetta_67:
(Start: 130 @43517 has 39 MA's), (192, 43301), (203, 43265), (204, 43262), (208, 43241), (209, 43238), (214, 43220), (246, 43067), (257, 43022),

Gene: Ariel_194 Start: 94262, Stop: 93750, Start Num: 139
Candidate Starts for Ariel_194:
(21, 94553), (57, 94424), (83, 94367), (88, 94358), (128, 94286), (Start: 137 @94265 has 3 MA's), (Start: 139 @94262 has 224 MA's), (Start: 157 @94220 has 5 MA's), (Start: 172 @94169 has 2 MA's), (173, 94160), (183, 94112), (190, 94070), (214, 93989), (221, 93947), (264, 93761),

Gene: Arissanae_74 Start: 45012, Stop: 44470, Start Num: 118
Candidate Starts for Arissanae_74:
(Start: 118 @45012 has 33 MA's), (Start: 125 @45000 has 201 MA's), (Start: 172 @44904 has 2 MA's), (176, 44880), (183, 44847), (214, 44724), (225, 44664), (226, 44661), (232, 44622), (243, 44580), (246, 44565),

Gene: Arlo_75 Start: 47001, Stop: 46489, Start Num: 139
Candidate Starts for Arlo_75:
(51, 47175), (67, 47142), (Start: 110 @47058 has 2 MA's), (Start: 139 @47001 has 224 MA's), (Start: 157 @46959 has 5 MA's), (Start: 172 @46908 has 2 MA's), (173, 46899), (183, 46851), (208, 46749), (214, 46728), (221, 46686), (255, 46542), (264, 46500),

Gene: Artemis2UCLA_77 Start: 43914, Stop: 43363, Start Num: 103
Candidate Starts for Artemis2UCLA_77:
(Start: 103 @43914 has 9 MA's), (Start: 118 @43890 has 33 MA's), (Start: 125 @43878 has 201 MA's), (Start: 172 @43791 has 2 MA's), (183, 43734), (208, 43632), (214, 43611), (226, 43548), (232, 43509), (248, 43455), (250, 43446), (265, 43383),

Gene: Arturo_67 Start: 44298, Stop: 43786, Start Num: 131
Candidate Starts for Arturo_67:
(Start: 131 @44298 has 59 MA's), (Start: 157 @44250 has 5 MA's), (Start: 172 @44199 has 2 MA's), (186, 44124), (190, 44100), (193, 44094), (196, 44088), (208, 44037), (214, 44016), (224, 43959), (232, 43920), (259, 43818),

Gene: Ashballer_77 Start: 47054, Stop: 46542, Start Num: 139
Candidate Starts for Ashballer_77:
(51, 47228), (67, 47195), (Start: 110 @47111 has 2 MA's), (Start: 139 @47054 has 224 MA's), (Start: 157 @47012 has 5 MA's), (Start: 172 @46961 has 2 MA's), (173, 46952), (183, 46904), (214, 46781), (221, 46739), (264, 46553),

Gene: Asten_28 Start: 22871, Stop: 23323, Start Num: 149
Candidate Starts for Asten_28:
(146, 22868), (Start: 149 @22871 has 110 MA's), (167, 22943), (175, 22982), (203, 23102), (213, 23141), (221, 23183), (227, 23207),

Gene: Astraea_48 Start: 15429, Stop: 15953, Start Num: 131
Candidate Starts for Astraea_48:
(46, 15252), (Start: 131 @15429 has 59 MA's), (Start: 139 @15441 has 224 MA's), (Start: 157 @15483 has 5 MA's), (Start: 172 @15534 has 2 MA's), (173, 15543), (183, 15591), (190, 15633), (214, 15714), (221, 15756), (264, 15942),

Gene: Atkinbua_81 Start: 47613, Stop: 47101, Start Num: 139
Candidate Starts for Atkinbua_81:
(51, 47787), (67, 47754), (Start: 110 @47670 has 2 MA's), (Start: 139 @47613 has 224 MA's), (Start: 157 @47571 has 5 MA's), (Start: 172 @47520 has 2 MA's), (173, 47511), (183, 47463), (214, 47340), (221, 47298), (264, 47112),

Gene: Avle17_70 Start: 44165, Stop: 43653, Start Num: 131
Candidate Starts for Avle17_70:
(Start: 131 @44165 has 59 MA's), (Start: 157 @44117 has 5 MA's), (Start: 172 @44066 has 2 MA's), (186, 43991), (190, 43967), (193, 43961), (196, 43955), (208, 43904), (214, 43883), (224, 43826), (232, 43787), (259, 43685),

Gene: Axiom_30 Start: 23436, Stop: 23894, Start Num: 149
Candidate Starts for Axiom_30:
(79, 23322), (83, 23334), (90, 23346), (Start: 115 @23391 has 1 MA's), (Start: 119 @23397 has 17 MA's), (121, 23400), (Start: 149 @23436 has 110 MA's), (167, 23508), (178, 23556), (192, 23631), (203, 23667), (205, 23676), (221, 23748), (233, 23811),

Gene: Ayanochan_74 Start: 44460, Stop: 43924, Start Num: 125
Candidate Starts for Ayanochan_74:
(Start: 118 @44472 has 33 MA's), (Start: 125 @44460 has 201 MA's), (Start: 172 @44364 has 2 MA's), (173, 44355), (176, 44340), (183, 44307), (214, 44184), (216, 44169), (217, 44166), (225, 44124), (226, 44121), (242, 44043), (250, 44013),

Gene: BABullseye_71 Start: 42519, Stop: 42004, Start Num: 125
Candidate Starts for BABullseye_71:
(Start: 118 @42531 has 33 MA's), (Start: 125 @42519 has 201 MA's), (Start: 172 @42432 has 2 MA's), (173, 42423), (183, 42375), (208, 42273), (214, 42252), (218, 42231), (226, 42189), (232, 42150),

Gene: BPBiebs31_80 Start: 48113, Stop: 47601, Start Num: 139
Candidate Starts for BPBiebs31_80:
(33, 48350), (51, 48287), (67, 48254), (Start: 110 @48170 has 2 MA's), (Start: 139 @48113 has 224 MA's), (Start: 157 @48071 has 5 MA's), (Start: 172 @48020 has 2 MA's), (173, 48011), (183, 47963), (214, 47840), (221, 47798), (264, 47612),

Gene: BabyBack_72 Start: 45412, Stop: 44843, Start Num: 125
Candidate Starts for BabyBack_72:
(41, 45607), (43, 45586), (45, 45577), (50, 45562), (Start: 118 @45424 has 33 MA's), (Start: 125 @45412 has 201 MA's), (141, 45385), (Start: 172 @45295 has 2 MA's), (183, 45238), (208, 45136), (221, 45070), (226, 45049), (232, 45010), (256, 44905), (261, 44881),

Gene: Bachome_76 Start: 44229, Stop: 43678, Start Num: 125
Candidate Starts for Bachome_76:
(Start: 97 @44271 has 4 MA's), (Start: 118 @44241 has 33 MA's), (Start: 125 @44229 has 201 MA's), (141, 44202), (Start: 172 @44112 has 2 MA's), (176, 44088), (183, 44055), (208, 43953), (214, 43929), (216, 43914), (221, 43887), (232, 43827), (258, 43728), (266, 43695),

Gene: BaconJack_77 Start: 48268, Stop: 47756, Start Num: 139
Candidate Starts for BaconJack_77:
(51, 48442), (67, 48409), (Start: 110 @48325 has 2 MA's), (Start: 139 @48268 has 224 MA's), (Start: 157 @48226 has 5 MA's), (Start: 172 @48175 has 2 MA's), (173, 48166), (183, 48118), (214, 47995), (221, 47953), (264, 47767),

Gene: Bactobuster_68 Start: 45050, Stop: 44505, Start Num: 125
Candidate Starts for Bactobuster_68:
(Start: 118 @45062 has 33 MA's), (Start: 125 @45050 has 201 MA's), (Start: 172 @44933 has 2 MA's), (183, 44876), (193, 44828), (208, 44774), (226, 44687), (232, 44648), (258, 44549),

Gene: BadAgartude_49 Start: 16114, Stop: 16638, Start Num: 131
Candidate Starts for BadAgartude_49:
(46, 15937), (Start: 131 @16114 has 59 MA's), (Start: 139 @16126 has 224 MA's), (Start: 157 @16168 has 5 MA's), (Start: 172 @16219 has 2 MA's), (173, 16228), (183, 16276), (190, 16318), (214, 16399), (221, 16441), (264, 16627),

Gene: Baehexic_74 Start: 45162, Stop: 44587, Start Num: 125
Candidate Starts for Baehexic_74:
(Start: 97 @45204 has 4 MA's), (107, 45192), (Start: 118 @45174 has 33 MA's), (Start: 125 @45162 has 201 MA's), (Start: 172 @45045 has 2 MA's), (173, 45036), (180, 45009), (183, 44988), (208, 44886), (221, 44820), (226, 44799), (232, 44760), (250, 44697),

Gene: Barriga_82 Start: 47008, Stop: 46496, Start Num: 139
Candidate Starts for Barriga_82:
(55, 47167), (Start: 110 @47065 has 2 MA's), (Start: 139 @47008 has 224 MA's), (Start: 157 @46966 has 5 MA's), (Start: 172 @46915 has 2 MA's), (173, 46906), (183, 46858), (214, 46735), (221, 46693), (264, 46507),

Gene: BarrowTuph_78 Start: 47314, Stop: 46802, Start Num: 139
Candidate Starts for BarrowTuph_78:
(51, 47488), (67, 47455), (Start: 110 @47371 has 2 MA's), (Start: 139 @47314 has 224 MA's), (Start: 157 @47272 has 5 MA's), (Start: 172 @47221 has 2 MA's), (173, 47212), (183, 47164), (214, 47041), (221, 46999), (264, 46813),

Gene: BarryBee_30 Start: 22881, Stop: 23333, Start Num: 149
Candidate Starts for BarryBee_30:
(146, 22878), (Start: 149 @22881 has 110 MA's), (167, 22953), (175, 22992), (203, 23112), (213, 23151), (221, 23193), (227, 23217),

Gene: BartholomewSD_31 Start: 23614, Stop: 24072, Start Num: 149
Candidate Starts for BartholomewSD_31:
(114, 23557), (Start: 149 @23614 has 110 MA's), (167, 23686), (175, 23725), (178, 23734), (192, 23809), (203, 23845), (221, 23926), (233, 23989),

Gene: Batiatus_38 Start: 31135, Stop: 30623, Start Num: 139
Candidate Starts for Batiatus_38:
(Start: 108 @31195 has 1 MA's), (Start: 139 @31135 has 224 MA's), (Start: 157 @31093 has 5 MA's), (Start: 172 @31042 has 2 MA's), (173, 31033), (183, 30985), (190, 30943), (214, 30862), (221, 30820), (264, 30634),

Gene: Battleship_86 Start: 45780, Stop: 45259, Start Num: 125
Candidate Starts for Battleship_86:
(Start: 125 @45780 has 201 MA's), (Start: 157 @45735 has 5 MA's), (Start: 172 @45684 has 2 MA's), (173, 45675), (183, 45627), (208, 45525), (214, 45504), (240, 45366), (246, 45348), (250, 45336), (258, 45300),

Gene: BeardedLady_30 Start: 22846, Stop: 23298, Start Num: 149
Candidate Starts for BeardedLady_30:
(84, 22744), (105, 22777), (128, 22819), (Start: 149 @22846 has 110 MA's), (167, 22918), (203, 23077), (221, 23158), (233, 23221),

Gene: Beatrix_72 Start: 46273, Stop: 45761, Start Num: 139
Candidate Starts for Beatrix_72:

(51, 46447), (67, 46414), (Start: 110 @46330 has 2 MA's), (Start: 139 @46273 has 224 MA's), (Start: 157 @46231 has 5 MA's), (Start: 172 @46180 has 2 MA's), (173, 46171), (183, 46123), (214, 46000), (221, 45958), (264, 45772),

Gene: Beemo_77 Start: 44717, Stop: 44181, Start Num: 125
Candidate Starts for Beemo_77:
(Start: 118 @44729 has 33 MA's), (Start: 125 @44717 has 201 MA's), (Start: 172 @44621 has 2 MA's), (173, 44612), (176, 44597), (183, 44564), (214, 44441), (216, 44426), (217, 44423), (225, 44381), (226, 44378), (242, 44300),

Gene: BeesKnees_76 Start: 45376, Stop: 44864, Start Num: 139
Candidate Starts for BeesKnees_76:
(51, 45550), (67, 45517), (Start: 110 @45433 has 2 MA's), (Start: 139 @45376 has 224 MA's), (Start: 157 @45334 has 5 MA's), (Start: 172 @45283 has 2 MA's), (173, 45274), (183, 45226), (214, 45103), (221, 45061), (264, 44875),

Gene: Belenaria_59 Start: 40065, Stop: 39541, Start Num: 125
Candidate Starts for Belenaria_59:
(Start: 125 @40065 has 201 MA's), (156, 40020), (160, 40002), (186, 39888), (195, 39852), (204, 39825), (208, 39804), (214, 39783), (216, 39768), (222, 39738), (223, 39735), (248, 39624), (250, 39615), (263, 39558),

Gene: Bellris_77 Start: 44569, Stop: 44039, Start Num: 125
Candidate Starts for Bellris_77:
(Start: 118 @44581 has 33 MA's), (Start: 125 @44569 has 201 MA's), (Start: 172 @44473 has 2 MA's), (176, 44449), (183, 44416), (186, 44398), (214, 44293), (217, 44275), (225, 44233), (226, 44230), (232, 44191), (242, 44152), (246, 44134), (248, 44131), (250, 44122), (258, 44083),

Gene: BellusTerra_71 Start: 44211, Stop: 43699, Start Num: 131
Candidate Starts for BellusTerra_71:
(Start: 131 @44211 has 59 MA's), (Start: 157 @44163 has 5 MA's), (Start: 172 @44112 has 2 MA's), (186, 44037), (190, 44013), (196, 44001), (208, 43950), (214, 43929), (224, 43872), (246, 43779), (259, 43731),

Gene: Benedict_73 Start: 44112, Stop: 43582, Start Num: 130
Candidate Starts for Benedict_73:
(65, 44244), (78, 44211), (79, 44208), (Start: 130 @44112 has 39 MA's), (147, 44082), (187, 43920), (192, 43896), (203, 43860), (208, 43836), (214, 43815), (246, 43662), (249, 43656), (257, 43617),

Gene: BengiVuitton_75 Start: 45458, Stop: 44883, Start Num: 125
Candidate Starts for BengiVuitton_75:
(107, 45488), (Start: 118 @45470 has 33 MA's), (Start: 125 @45458 has 201 MA's), (Start: 172 @45341 has 2 MA's), (173, 45332), (180, 45305), (183, 45284), (184, 45278), (208, 45182), (211, 45173), (226, 45095), (232, 45056), (260, 44927), (261, 44918),

Gene: BennyP_78 Start: 44044, Stop: 43529, Start Num: 125
Candidate Starts for BennyP_78:
(Start: 103 @44080 has 9 MA's), (Start: 118 @44056 has 33 MA's), (Start: 125 @44044 has 201 MA's), (Start: 152 @44020 has 1 MA's), (Start: 172 @43957 has 2 MA's), (183, 43900), (208, 43798), (214, 43777), (226, 43714), (232, 43675), (248, 43621), (250, 43612), (265, 43549),

Gene: Benvolio_73 Start: 45053, Stop: 44478, Start Num: 125
Candidate Starts for Benvolio_73:

(Start: 125 @45053 has 201 MA's), (Start: 152 @44999 has 1 MA's), (Start: 172 @44936 has 2 MA's), (173, 44927), (180, 44900), (183, 44879), (208, 44777), (211, 44768), (226, 44690), (232, 44651), (260, 44522), (261, 44513),

Gene: Bethlehem_78 Start: 49153, Stop: 48641, Start Num: 139
Candidate Starts for Bethlehem_78:
(33, 49390), (51, 49327), (67, 49294), (Start: 110 @49210 has 2 MA's), (Start: 139 @49153 has 224 MA's), (Start: 157 @49111 has 5 MA's), (Start: 172 @49060 has 2 MA's), (173, 49051), (183, 49003), (214, 48880), (221, 48838), (264, 48652),

Gene: Bexan_70 Start: 46047, Stop: 45535, Start Num: 139
Candidate Starts for Bexan_70:
(51, 46221), (67, 46188), (Start: 110 @46104 has 2 MA's), (Start: 139 @46047 has 224 MA's), (Start: 157 @46005 has 5 MA's), (Start: 172 @45954 has 2 MA's), (173, 45945), (183, 45897), (214, 45774), (221, 45732), (264, 45546),

Gene: Bezza_42 Start: 14556, Stop: 15068, Start Num: 139
Candidate Starts for Bezza_42:
(46, 14367), (Start: 131 @14544 has 59 MA's), (Start: 139 @14556 has 224 MA's), (Start: 157 @14598 has 5 MA's), (Start: 172 @14649 has 2 MA's), (173, 14658), (183, 14706), (190, 14748), (214, 14829), (221, 14871), (264, 15057),

Gene: BiancaTri92_74 Start: 45410, Stop: 44838, Start Num: 125
Candidate Starts for BiancaTri92_74:
(Start: 118 @45422 has 33 MA's), (Start: 125 @45410 has 201 MA's), (141, 45383), (Start: 172 @45293 has 2 MA's), (183, 45236), (188, 45209), (208, 45134), (221, 45068), (226, 45047), (232, 45008), (248, 44954), (258, 44882),

Gene: Big3_76 Start: 48080, Stop: 47568, Start Num: 139
Candidate Starts for Big3_76:
(51, 48254), (67, 48221), (Start: 110 @48137 has 2 MA's), (Start: 139 @48080 has 224 MA's), (Start: 157 @48038 has 5 MA's), (Start: 172 @47987 has 2 MA's), (173, 47978), (183, 47930), (214, 47807), (221, 47765), (264, 47579),

Gene: BigMau_78 Start: 47862, Stop: 47350, Start Num: 139
Candidate Starts for BigMau_78:
(Start: 110 @47919 has 2 MA's), (Start: 139 @47862 has 224 MA's), (Start: 157 @47820 has 5 MA's), (Start: 172 @47769 has 2 MA's), (173, 47760), (183, 47712), (208, 47610), (214, 47589), (221, 47547), (255, 47403), (264, 47361),

Gene: BigPaolini_73 Start: 45203, Stop: 44733, Start Num: 157
Candidate Starts for BigPaolini_73:
(Start: 157 @45203 has 5 MA's), (Start: 172 @45152 has 2 MA's), (173, 45143), (183, 45095), (190, 45053), (214, 44972), (221, 44930), (264, 44744),

Gene: Bigchungi_76 Start: 47688, Stop: 47176, Start Num: 139
Candidate Starts for Bigchungi_76:
(51, 47862), (67, 47829), (Start: 110 @47745 has 2 MA's), (Start: 139 @47688 has 224 MA's), (Start: 157 @47646 has 5 MA's), (Start: 172 @47595 has 2 MA's), (173, 47586), (183, 47538), (214, 47415), (221, 47373), (264, 47187),

Gene: BillKnuckles_69 Start: 46250, Stop: 45738, Start Num: 139
Candidate Starts for BillKnuckles_69:

(51, 46424), (67, 46391), (Start: 110 @46307 has 2 MA's), (Start: 139 @46250 has 224 MA's), (Start: 157 @46208 has 5 MA's), (Start: 172 @46157 has 2 MA's), (173, 46148), (183, 46100), (190, 46058), (214, 45977), (221, 45935), (264, 45749),

Gene: Bipolar_36 Start: 30223, Stop: 29711, Start Num: 139
Candidate Starts for Bipolar_36:
(80, 30334), (Start: 139 @30223 has 224 MA's), (Start: 157 @30181 has 5 MA's), (Start: 172 @30130 has 2 MA's), (173, 30121), (183, 30073), (190, 30031), (214, 29950), (221, 29908), (264, 29722),

Gene: Blackflame_71 Start: 46486, Stop: 45974, Start Num: 139
Candidate Starts for Blackflame_71:
(51, 46660), (67, 46627), (Start: 110 @46543 has 2 MA's), (Start: 139 @46486 has 224 MA's), (Start: 157 @46444 has 5 MA's), (Start: 172 @46393 has 2 MA's), (173, 46384), (183, 46336), (214, 46213), (221, 46171), (264, 45985),

Gene: BlessJoy_78 Start: 44400, Stop: 43885, Start Num: 125
Candidate Starts for BlessJoy_78:
(Start: 103 @44436 has 9 MA's), (Start: 118 @44412 has 33 MA's), (Start: 125 @44400 has 201 MA's), (Start: 152 @44376 has 1 MA's), (Start: 172 @44313 has 2 MA's), (183, 44256), (208, 44154), (214, 44133), (226, 44070), (232, 44031), (248, 43977), (250, 43968), (265, 43905),

Gene: Blesser_69 Start: 44599, Stop: 44087, Start Num: 139
Candidate Starts for Blesser_69:
(51, 44773), (58, 44755), (67, 44740), (93, 44677), (Start: 110 @44656 has 2 MA's), (Start: 139 @44599 has 224 MA's), (Start: 157 @44557 has 5 MA's), (Start: 172 @44506 has 2 MA's), (173, 44497), (183, 44449), (214, 44326), (221, 44284), (264, 44098),

Gene: BluSpix_73 Start: 41802, Stop: 41290, Start Num: 139
Candidate Starts for BluSpix_73:
(51, 41976), (67, 41943), (Start: 110 @41859 has 2 MA's), (Start: 139 @41802 has 224 MA's), (Start: 157 @41760 has 5 MA's), (Start: 172 @41709 has 2 MA's), (173, 41700), (183, 41652), (214, 41529), (221, 41487), (264, 41301),

Gene: Blue_72 Start: 46154, Stop: 45642, Start Num: 139
Candidate Starts for Blue_72:
(51, 46328), (67, 46295), (93, 46232), (Start: 110 @46211 has 2 MA's), (Start: 139 @46154 has 224 MA's), (Start: 157 @46112 has 5 MA's), (Start: 172 @46061 has 2 MA's), (173, 46052), (183, 46004), (214, 45881), (221, 45839), (264, 45653),

Gene: Blue7_79 Start: 44134, Stop: 43583, Start Num: 103
Candidate Starts for Blue7_79:
(Start: 103 @44134 has 9 MA's), (Start: 118 @44110 has 33 MA's), (Start: 125 @44098 has 201 MA's), (Start: 152 @44074 has 1 MA's), (Start: 172 @44011 has 2 MA's), (183, 43954), (208, 43852), (214, 43831), (226, 43768), (232, 43729), (248, 43675), (250, 43666), (265, 43603),

Gene: BlueBird_76 Start: 44686, Stop: 44180, Start Num: 135
Candidate Starts for BlueBird_76:
(129, 44701), (Start: 131 @44692 has 59 MA's), (Start: 135 @44686 has 7 MA's), (Start: 172 @44593 has 2 MA's), (186, 44518), (190, 44494), (193, 44488), (197, 44470), (208, 44431), (212, 44416), (214, 44410), (232, 44314), (248, 44257), (259, 44212),

Gene: Bluefalcon_65 Start: 43537, Stop: 43007, Start Num: 130
Candidate Starts for Bluefalcon_65:

(Start: 130 @43537 has 39 MA's), (192, 43321), (203, 43285), (204, 43282), (208, 43261), (209, 43258), (214, 43240), (246, 43087), (257, 43042),

Gene: Bob3_76 Start: 47130, Stop: 46618, Start Num: 139
Candidate Starts for Bob3_76:
(51, 47304), (67, 47271), (Start: 110 @47187 has 2 MA's), (Start: 139 @47130 has 224 MA's), (Start: 157 @47088 has 5 MA's), (Start: 172 @47037 has 2 MA's), (173, 47028), (183, 46980), (208, 46878), (214, 46857), (221, 46815), (255, 46671), (264, 46629),

Gene: BobSwaget_68 Start: 43285, Stop: 42713, Start Num: 125
Candidate Starts for BobSwaget_68:
(Start: 118 @43297 has 33 MA's), (Start: 125 @43285 has 201 MA's), (141, 43258), (Start: 172 @43168 has 2 MA's), (173, 43159), (176, 43144), (183, 43111), (186, 43093), (194, 43060), (208, 43009), (221, 42943), (232, 42883), (256, 42778), (266, 42733),

Gene: Bobi_40 Start: 31847, Stop: 31335, Start Num: 133
Candidate Starts for Bobi_40:
(26, 32105), (31, 32081), (Start: 133 @31847 has 10 MA's), (Start: 157 @31805 has 5 MA's), (Start: 172 @31754 has 2 MA's), (173, 31745), (183, 31697), (190, 31655), (214, 31574), (221, 31532), (264, 31346),

Gene: BogosyJay_77 Start: 44961, Stop: 44413, Start Num: 118
Candidate Starts for BogosyJay_77:
(Start: 118 @44961 has 33 MA's), (Start: 125 @44949 has 201 MA's), (160, 44892), (Start: 172 @44853 has 2 MA's), (176, 44829), (183, 44796), (214, 44673), (217, 44655), (225, 44613), (226, 44610), (232, 44571), (248, 44511), (250, 44502),

Gene: Bombitas_177 Start: 94010, Stop: 93495, Start Num: 137
Candidate Starts for Bombitas_177:
(21, 94298), (57, 94169), (83, 94112), (88, 94103), (128, 94031), (Start: 137 @94010 has 3 MA's), (Start: 139 @94007 has 224 MA's), (Start: 157 @93965 has 5 MA's), (Start: 172 @93914 has 2 MA's), (173, 93905), (183, 93857), (190, 93815), (214, 93734), (221, 93692), (264, 93506),

Gene: Bonamassa_69 Start: 43739, Stop: 43209, Start Num: 130
Candidate Starts for Bonamassa_69:
(Start: 130 @43739 has 39 MA's), (203, 43487), (204, 43484), (208, 43463), (214, 43442), (249, 43283),

Gene: Bonanza_59 Start: 40477, Stop: 39953, Start Num: 125
Candidate Starts for Bonanza_59:
(Start: 125 @40477 has 201 MA's), (156, 40432), (160, 40414), (186, 40300), (195, 40264), (204, 40237), (208, 40216), (214, 40195), (223, 40147), (248, 40036), (250, 40027), (263, 39970),

Gene: Bones_71 Start: 46436, Stop: 45924, Start Num: 139
Candidate Starts for Bones_71:
(51, 46610), (67, 46577), (Start: 110 @46493 has 2 MA's), (Start: 139 @46436 has 224 MA's), (Start: 157 @46394 has 5 MA's), (Start: 172 @46343 has 2 MA's), (173, 46334), (183, 46286), (214, 46163), (221, 46121), (264, 45935),

Gene: Bovely_29 Start: 22599, Stop: 23051, Start Num: 149
Candidate Starts for Bovely_29:
(20, 22302), (22, 22311), (38, 22368), (39, 22371), (53, 22428), (61, 22443), (64, 22446), (66, 22449), (Start: 69 @22458 has 1 MA's), (71, 22461), (84, 22497), (105, 22530), (128, 22572), (Start: 149

@22599 has 110 MA's), (167, 22671), (203, 22830), (221, 22911), (233, 22974),

Gene: Bowden_29 Start: 23529, Stop: 23987, Start Num: 149
Candidate Starts for Bowden_29:
(Start: 110 @23466 has 2 MA's), (Start: 115 @23478 has 1 MA's), (Start: 119 @23484 has 17 MA's), (121, 23487), (Start: 149 @23529 has 110 MA's), (167, 23601), (175, 23640), (178, 23649), (192, 23724), (202, 23757), (203, 23760), (221, 23841), (233, 23904),

Gene: Bradman_78 Start: 44821, Stop: 44270, Start Num: 125
Candidate Starts for Bradman_78:
(35, 45025), (Start: 100 @44860 has 2 MA's), (Start: 118 @44833 has 33 MA's), (Start: 125 @44821 has 201 MA's), (141, 44794), (173, 44695), (176, 44680), (183, 44647), (208, 44545), (210, 44539), (214, 44521), (220, 44494), (221, 44479), (226, 44458), (232, 44419), (250, 44356),

Gene: Brataylor_31 Start: 23858, Stop: 24310, Start Num: 149
Candidate Starts for Brataylor_31:
(121, 23816), (Start: 149 @23858 has 110 MA's), (167, 23930), (175, 23969), (186, 24023), (203, 24089), (205, 24098), (207, 24110), (215, 24137), (219, 24152), (221, 24170), (227, 24194),

Gene: Briton15_78 Start: 47516, Stop: 47004, Start Num: 139
Candidate Starts for Briton15_78:
(51, 47690), (67, 47657), (Start: 110 @47573 has 2 MA's), (Start: 139 @47516 has 224 MA's), (Start: 157 @47474 has 5 MA's), (Start: 172 @47423 has 2 MA's), (173, 47414), (183, 47366), (214, 47243), (221, 47201), (264, 47015),

Gene: BroPlease_30 Start: 23238, Stop: 23699, Start Num: 149
Candidate Starts for BroPlease_30:
(Start: 149 @23238 has 110 MA's), (167, 23310), (174, 23346), (192, 23433), (202, 23466), (203, 23469), (221, 23550), (226, 23571), (230, 23595), (233, 23613), (245, 23661),

Gene: Brookers_37 Start: 30105, Stop: 29569, Start Num: 119
Candidate Starts for Brookers_37:
(Start: 119 @30105 has 17 MA's), (Start: 157 @30039 has 5 MA's), (Start: 172 @29988 has 2 MA's), (173, 29979), (183, 29931), (190, 29889), (214, 29808), (221, 29766), (264, 29580),

Gene: Bruns_78 Start: 46379, Stop: 45867, Start Num: 139
Candidate Starts for Bruns_78:
(51, 46553), (58, 46535), (67, 46520), (Start: 110 @46436 has 2 MA's), (Start: 139 @46379 has 224 MA's), (Start: 157 @46337 has 5 MA's), (Start: 172 @46286 has 2 MA's), (173, 46277), (183, 46229), (214, 46106), (221, 46064), (264, 45878),

Gene: Brushbloom_40 Start: 31368, Stop: 30649, Start Num: 42
Candidate Starts for Brushbloom_40:
(Start: 42 @31368 has 2 MA's), (48, 31344), (68, 31305), (73, 31296), (113, 31215), (117, 31206), (Start: 119 @31203 has 17 MA's), (Start: 157 @31119 has 5 MA's), (Start: 172 @31068 has 2 MA's), (173, 31059), (183, 31011), (190, 30969), (214, 30888), (221, 30846), (264, 30660),

Gene: BryanRecycles_30 Start: 22949, Stop: 23401, Start Num: 149
Candidate Starts for BryanRecycles_30:
(2, 22409), (4, 22439), (7, 22490), (9, 22517), (44, 22751), (105, 22880), (128, 22922), (Start: 149 @22949 has 110 MA's), (Start: 157 @22982 has 5 MA's), (167, 23021), (203, 23180), (221, 23261), (233, 23324),

Gene: Bud_73 Start: 43799, Stop: 43236, Start Num: 118
Candidate Starts for Bud_73:
(Start: 97 @43829 has 4 MA's), (Start: 118 @43799 has 33 MA's), (Start: 125 @43787 has 201 MA's), (141, 43760), (Start: 172 @43670 has 2 MA's), (176, 43646), (183, 43613), (208, 43511), (214, 43487), (216, 43472), (221, 43445), (226, 43424), (232, 43385), (258, 43286), (266, 43253),

Gene: Bugatti_73 Start: 44692, Stop: 44180, Start Num: 131
Candidate Starts for Bugatti_73:
(129, 44701), (Start: 131 @44692 has 59 MA's), (Start: 135 @44686 has 7 MA's), (Start: 172 @44593 has 2 MA's), (186, 44518), (190, 44494), (193, 44488), (197, 44470), (208, 44431), (212, 44416), (214, 44410), (232, 44314), (248, 44257), (259, 44212),

Gene: Bugsy_77 Start: 45815, Stop: 45240, Start Num: 125
Candidate Starts for Bugsy_77:
(Start: 97 @45857 has 4 MA's), (107, 45845), (Start: 118 @45827 has 33 MA's), (Start: 125 @45815 has 201 MA's), (Start: 172 @45698 has 2 MA's), (173, 45689), (183, 45641), (208, 45539), (226, 45452), (232, 45413), (250, 45350),

Gene: Burton_76 Start: 48545, Stop: 48030, Start Num: 139
Candidate Starts for Burton_76:
(51, 48719), (67, 48686), (Start: 110 @48602 has 2 MA's), (Start: 139 @48545 has 224 MA's), (Start: 157 @48503 has 5 MA's), (Start: 172 @48452 has 2 MA's), (173, 48443), (183, 48395), (208, 48293), (214, 48272), (221, 48230), (255, 48086), (264, 48044),

Gene: Buttons_72 Start: 44646, Stop: 44134, Start Num: 139
Candidate Starts for Buttons_72:
(51, 44820), (67, 44787), (Start: 110 @44703 has 2 MA's), (Start: 139 @44646 has 224 MA's), (Start: 157 @44604 has 5 MA's), (Start: 172 @44553 has 2 MA's), (173, 44544), (183, 44496), (214, 44373), (221, 44331), (264, 44145),

Gene: Bxb1_69 Start: 44762, Stop: 44250, Start Num: 139
Candidate Starts for Bxb1_69:
(51, 44936), (67, 44903), (Start: 110 @44819 has 2 MA's), (Start: 139 @44762 has 224 MA's), (Start: 157 @44720 has 5 MA's), (Start: 172 @44669 has 2 MA's), (173, 44660), (183, 44612), (214, 44489), (221, 44447), (264, 44261),

Gene: Byougenkin_38 Start: 31250, Stop: 30714, Start Num: 119
Candidate Starts for Byougenkin_38:
(Start: 119 @31250 has 17 MA's), (Start: 157 @31184 has 5 MA's), (Start: 172 @31133 has 2 MA's), (173, 31124), (183, 31076), (190, 31034), (214, 30953), (221, 30911), (264, 30725),

Gene: CRB1_77 Start: 46002, Stop: 45430, Start Num: 125
Candidate Starts for CRB1_77:
(Start: 125 @46002 has 201 MA's), (Start: 172 @45885 has 2 MA's), (173, 45876), (180, 45849), (183, 45828), (208, 45726), (211, 45717), (226, 45639), (232, 45600), (241, 45564), (248, 45546), (260, 45471),

Gene: CactusRose_78 Start: 47360, Stop: 46848, Start Num: 139
Candidate Starts for CactusRose_78:
(51, 47534), (58, 47516), (67, 47501), (Start: 110 @47417 has 2 MA's), (Start: 139 @47360 has 224 MA's), (Start: 157 @47318 has 5 MA's), (Start: 172 @47267 has 2 MA's), (173, 47258), (183, 47210), (190, 47168), (214, 47087), (221, 47045), (264, 46859),

Gene: Caelum_30 Start: 23203, Stop: 23658, Start Num: 149
Candidate Starts for Caelum_30:
(Start: 149 @23203 has 110 MA's), (167, 23275), (178, 23323), (192, 23398), (203, 23434), (221, 23515), (227, 23539), (233, 23578),

Gene: Caliburn_29 Start: 22576, Stop: 23028, Start Num: 149
Candidate Starts for Caliburn_29:
(11, 22171), (13, 22201), (14, 22207), (20, 22279), (22, 22288), (38, 22345), (39, 22348), (53, 22405), (61, 22420), (64, 22423), (66, 22426), (Start: 69 @22435 has 1 MA's), (71, 22438), (84, 22474), (105, 22507), (128, 22549), (Start: 149 @22576 has 110 MA's), (167, 22648), (203, 22807), (221, 22888), (233, 22951),

Gene: Calvinny_78 Start: 44816, Stop: 44307, Start Num: 143
Candidate Starts for Calvinny_78:
(Start: 143 @44816 has 18 MA's), (Start: 157 @44780 has 5 MA's), (Start: 172 @44729 has 2 MA's), (173, 44720), (186, 44654), (196, 44618), (208, 44570), (214, 44549), (225, 44489), (226, 44486), (232, 44447), (248, 44384), (259, 44339),

Gene: Camperdownii_68 Start: 43842, Stop: 43330, Start Num: 131
Candidate Starts for Camperdownii_68:
(Start: 131 @43842 has 59 MA's), (Start: 157 @43794 has 5 MA's), (Start: 172 @43743 has 2 MA's), (186, 43668), (190, 43644), (196, 43632), (208, 43581), (212, 43566), (214, 43560), (259, 43362),

Gene: Candra_76 Start: 44214, Stop: 43699, Start Num: 125
Candidate Starts for Candra_76:
(Start: 118 @44226 has 33 MA's), (Start: 125 @44214 has 201 MA's), (Start: 172 @44127 has 2 MA's), (173, 44118), (183, 44070), (208, 43968), (214, 43947), (218, 43926), (226, 43884), (232, 43845),

Gene: CaptainTrips_39 Start: 31571, Stop: 31035, Start Num: 119
Candidate Starts for CaptainTrips_39:
(Start: 119 @31571 has 17 MA's), (Start: 157 @31505 has 5 MA's), (Start: 172 @31454 has 2 MA's), (173, 31445), (183, 31397), (190, 31355), (214, 31274), (221, 31232), (264, 31046),

Gene: Carlyle_76 Start: 45834, Stop: 45346, Start Num: 139
Candidate Starts for Carlyle_76:
(51, 46008), (67, 45975), (Start: 110 @45891 has 2 MA's), (Start: 139 @45834 has 224 MA's), (Start: 157 @45792 has 5 MA's), (Start: 172 @45741 has 2 MA's), (173, 45732), (183, 45684), (214, 45561), (221, 45519),

Gene: CartmannCramer_71 Start: 47289, Stop: 46777, Start Num: 139
Candidate Starts for CartmannCramer_71:
(51, 47463), (67, 47430), (Start: 110 @47346 has 2 MA's), (Start: 139 @47289 has 224 MA's), (Start: 157 @47247 has 5 MA's), (Start: 172 @47196 has 2 MA's), (173, 47187), (183, 47139), (190, 47097), (214, 47016), (221, 46974), (264, 46788),

Gene: CatBus_67 Start: 44971, Stop: 44459, Start Num: 139
Candidate Starts for CatBus_67:
(51, 45145), (67, 45112), (Start: 110 @45028 has 2 MA's), (Start: 139 @44971 has 224 MA's), (Start: 157 @44929 has 5 MA's), (Start: 172 @44878 has 2 MA's), (173, 44869), (183, 44821), (214, 44698), (221, 44656), (264, 44470),

Gene: Catalina_79 Start: 44771, Stop: 44235, Start Num: 125

Candidate Starts for Catalina_79:
(Start: 118 @44783 has 33 MA's), (Start: 125 @44771 has 201 MA's), (Start: 172 @44675 has 2 MA's), (173, 44666), (176, 44651), (183, 44618), (214, 44495), (216, 44480), (217, 44477), (225, 44435), (226, 44432), (242, 44354), (258, 44285),

Gene: Celery_33 Start: 24246, Stop: 24701, Start Num: 149
Candidate Starts for Celery_33:
(52, 24063), (59, 24078), (70, 24096), (76, 24114), (87, 24138), (94, 24156), (Start: 110 @24177 has 2 MA's), (Start: 116 @24192 has 1 MA's), (122, 24204), (Start: 149 @24246 has 110 MA's), (167, 24318), (175, 24357), (203, 24477), (221, 24564), (226, 24585),

Gene: Celeste_29 Start: 23305, Stop: 23757, Start Num: 149
Candidate Starts for Celeste_29:
(121, 23263), (Start: 149 @23305 has 110 MA's), (167, 23377), (186, 23470), (203, 23536), (205, 23545), (207, 23557), (219, 23599), (221, 23617), (227, 23641),

Gene: Celestialunch_72 Start: 43948, Stop: 43415, Start Num: 125
Candidate Starts for Celestialunch_72:
(Start: 125 @43948 has 201 MA's), (160, 43891), (Start: 172 @43852 has 2 MA's), (176, 43828), (183, 43795), (189, 43756), (214, 43672), (220, 43645), (225, 43612), (226, 43609), (243, 43528), (246, 43513), (248, 43510), (250, 43501),

Gene: Celia_31 Start: 23664, Stop: 24116, Start Num: 149
Candidate Starts for Celia_31:
(Start: 149 @23664 has 110 MA's), (Start: 157 @23697 has 5 MA's), (167, 23736), (174, 23772), (178, 23784), (192, 23859), (203, 23895), (221, 23976), (227, 24000),

Gene: Centaur_76 Start: 45368, Stop: 44799, Start Num: 125
Candidate Starts for Centaur_76:
(Start: 97 @45410 has 4 MA's), (107, 45398), (Start: 118 @45380 has 33 MA's), (Start: 125 @45368 has 201 MA's), (Start: 172 @45251 has 2 MA's), (173, 45242), (180, 45215), (183, 45194), (208, 45092), (221, 45026), (226, 45005), (232, 44966), (250, 44903),

Gene: Chadwick_73 Start: 43856, Stop: 43326, Start Num: 130
Candidate Starts for Chadwick_73:
(65, 43988), (78, 43955), (Start: 130 @43856 has 39 MA's), (147, 43826), (187, 43664), (203, 43604), (208, 43580), (214, 43559), (246, 43406), (249, 43400), (257, 43361),

Gene: Changeling_74 Start: 45726, Stop: 45136, Start Num: 118
Candidate Starts for Changeling_74:
(Start: 118 @45726 has 33 MA's), (Start: 125 @45714 has 201 MA's), (141, 45687), (Start: 172 @45597 has 2 MA's), (173, 45588), (183, 45540), (208, 45438), (211, 45429), (222, 45369), (226, 45351), (232, 45312),

Gene: Chargerpower_73 Start: 43754, Stop: 43230, Start Num: 125
Candidate Starts for Chargerpower_73:
(Start: 125 @43754 has 201 MA's), (Start: 172 @43655 has 2 MA's), (176, 43631), (179, 43622), (183, 43598), (186, 43580), (208, 43496), (209, 43493), (214, 43475), (219, 43451), (241, 43337), (246, 43322),

Gene: Charm_71 Start: 43884, Stop: 43351, Start Num: 125
Candidate Starts for Charm_71:

(Start: 125 @43884 has 201 MA's), (Start: 172 @43788 has 2 MA's), (176, 43764), (183, 43731), (214, 43608), (216, 43593), (217, 43590), (226, 43545), (241, 43470), (243, 43464), (246, 43449), (248, 43446), (250, 43437),

Gene: Chartreuse_77 Start: 43525, Stop: 43010, Start Num: 125
Candidate Starts for Chartreuse_77:
(Start: 118 @43537 has 33 MA's), (Start: 125 @43525 has 201 MA's), (Start: 172 @43438 has 2 MA's), (173, 43429), (183, 43381), (208, 43279), (214, 43258), (218, 43237), (226, 43195), (232, 43156),

Gene: Che12_80 Start: 45086, Stop: 44538, Start Num: 125
Candidate Starts for Che12_80:
(Start: 118 @45098 has 33 MA's), (Start: 125 @45086 has 201 MA's), (Start: 131 @45074 has 59 MA's), (Start: 152 @45032 has 1 MA's), (Start: 172 @44969 has 2 MA's), (173, 44960), (183, 44912), (186, 44894), (208, 44810), (214, 44786), (221, 44744), (232, 44684), (255, 44600), (258, 44582),

Gene: ChristmasHams_66 Start: 42991, Stop: 42479, Start Num: 139
Candidate Starts for ChristmasHams_66:
(51, 43165), (67, 43132), (Start: 110 @43048 has 2 MA's), (Start: 139 @42991 has 224 MA's), (Start: 157 @42949 has 5 MA's), (Start: 172 @42898 has 2 MA's), (173, 42889), (183, 42841), (214, 42718), (221, 42676), (264, 42490),

Gene: Chucky_28 Start: 22885, Stop: 23337, Start Num: 149
Candidate Starts for Chucky_28:
(146, 22882), (Start: 149 @22885 has 110 MA's), (167, 22957), (175, 22996), (203, 23116), (213, 23155), (221, 23197), (227, 23221),

Gene: Chupacabra_68 Start: 44005, Stop: 43499, Start Num: 133
Candidate Starts for Chupacabra_68:
(Start: 100 @44068 has 2 MA's), (111, 44053), (Start: 133 @44005 has 10 MA's), (Start: 135 @44002 has 7 MA's), (Start: 172 @43909 has 2 MA's), (176, 43885), (183, 43852), (186, 43834), (190, 43810), (208, 43750), (214, 43729), (232, 43633), (240, 43597), (259, 43531), (264, 43510),

Gene: Ciao_72 Start: 44955, Stop: 44443, Start Num: 139
Candidate Starts for Ciao_72:
(51, 45129), (67, 45096), (93, 45033), (Start: 110 @45012 has 2 MA's), (Start: 139 @44955 has 224 MA's), (Start: 157 @44913 has 5 MA's), (Start: 172 @44862 has 2 MA's), (173, 44853), (183, 44805), (214, 44682), (221, 44640), (264, 44454),

Gene: Cindaradix_66 Start: 44070, Stop: 43558, Start Num: 131
Candidate Starts for Cindaradix_66:
(Start: 131 @44070 has 59 MA's), (Start: 157 @44022 has 5 MA's), (Start: 172 @43971 has 2 MA's), (186, 43896), (190, 43872), (196, 43860), (208, 43809), (214, 43788), (259, 43590),

Gene: Clammy_73 Start: 44692, Stop: 44180, Start Num: 131
Candidate Starts for Clammy_73:
(129, 44701), (Start: 131 @44692 has 59 MA's), (Start: 135 @44686 has 7 MA's), (Start: 172 @44593 has 2 MA's), (186, 44518), (190, 44494), (193, 44488), (197, 44470), (208, 44431), (212, 44416), (214, 44410), (232, 44314), (248, 44257), (259, 44212),

Gene: Clarenza_69 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Clarenza_69:

(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: CloudWang3_78 Start: 44426, Stop: 43875, Start Num: 103
Candidate Starts for CloudWang3_78:
(Start: 103 @44426 has 9 MA's), (Start: 118 @44402 has 33 MA's), (Start: 125 @44390 has 201 MA's), (Start: 152 @44366 has 1 MA's), (Start: 172 @44303 has 2 MA's), (183, 44246), (208, 44144), (214, 44123), (226, 44060), (232, 44021), (248, 43967), (250, 43958), (265, 43895),

Gene: ClownCar_78 Start: 44812, Stop: 44303, Start Num: 143
Candidate Starts for ClownCar_78:
(Start: 143 @44812 has 18 MA's), (Start: 157 @44776 has 5 MA's), (Start: 172 @44725 has 2 MA's), (173, 44716), (186, 44650), (196, 44614), (208, 44566), (214, 44545), (225, 44485), (226, 44482), (232, 44443), (248, 44380), (259, 44335),

Gene: Coco12_38 Start: 31229, Stop: 30693, Start Num: 119
Candidate Starts for Coco12_38:
(Start: 119 @31229 has 17 MA's), (Start: 157 @31163 has 5 MA's), (Start: 172 @31112 has 2 MA's), (173, 31103), (183, 31055), (190, 31013), (214, 30932), (221, 30890), (264, 30704),

Gene: Cocoaberry_70 Start: 44172, Stop: 43660, Start Num: 131
Candidate Starts for Cocoaberry_70:
(Start: 131 @44172 has 59 MA's), (Start: 157 @44124 has 5 MA's), (Start: 172 @44073 has 2 MA's), (186, 43998), (190, 43974), (193, 43968), (196, 43962), (208, 43911), (214, 43890), (224, 43833), (232, 43794), (259, 43692),

Gene: CogOmlette_75 Start: 44578, Stop: 44036, Start Num: 118
Candidate Starts for CogOmlette_75:
(Start: 118 @44578 has 33 MA's), (Start: 125 @44566 has 201 MA's), (Start: 172 @44470 has 2 MA's), (176, 44446), (183, 44413), (186, 44395), (214, 44290), (217, 44272), (225, 44230), (226, 44227), (232, 44188), (242, 44149), (246, 44131), (248, 44128), (250, 44119), (258, 44080),

Gene: Colin_75 Start: 46429, Stop: 45851, Start Num: 125
Candidate Starts for Colin_75:
(60, 46552), (Start: 97 @46471 has 4 MA's), (Start: 118 @46441 has 33 MA's), (Start: 125 @46429 has 201 MA's), (Start: 172 @46312 has 2 MA's), (183, 46255), (188, 46228), (200, 46186), (208, 46153), (211, 46144), (222, 46084), (226, 46066), (232, 46027), (258, 45901),

Gene: Conan_31 Start: 24199, Stop: 24654, Start Num: 149
Candidate Starts for Conan_31:
(Start: 119 @24151 has 17 MA's), (Start: 149 @24199 has 110 MA's), (154, 24217), (167, 24271), (178, 24319), (203, 24430), (221, 24517), (227, 24541),

Gene: ConceptII_80 Start: 48387, Stop: 47875, Start Num: 139
Candidate Starts for ConceptII_80:
(51, 48561), (67, 48528), (Start: 110 @48444 has 2 MA's), (Start: 139 @48387 has 224 MA's), (Start: 157 @48345 has 5 MA's), (Start: 172 @48294 has 2 MA's), (173, 48285), (183, 48237), (214, 48114), (221, 48072), (255, 47928), (264, 47886),

Gene: Conquerage_75 Start: 44458, Stop: 43910, Start Num: 118
Candidate Starts for Conquerage_75:

(Start: 118 @44458 has 33 MA's), (Start: 125 @44446 has 201 MA's), (Start: 172 @44350 has 2 MA's), (173, 44341), (176, 44326), (183, 44293), (214, 44170), (216, 44155), (217, 44152), (225, 44110), (226, 44107), (242, 44029), (250, 43999),

Gene: Conspiracy_70 Start: 43793, Stop: 43263, Start Num: 130
Candidate Starts for Conspiracy_70:
(126, 43799), (Start: 130 @43793 has 39 MA's), (203, 43541), (204, 43538), (208, 43517), (214, 43496), (246, 43343), (249, 43337), (257, 43298),

Gene: Coog_66 Start: 43560, Stop: 43030, Start Num: 130
Candidate Starts for Coog_66:
(Start: 130 @43560 has 39 MA's), (203, 43308), (204, 43305), (208, 43284), (214, 43263), (249, 43104), (257, 43065),

Gene: Cookiedough_78 Start: 44829, Stop: 44314, Start Num: 125
Candidate Starts for Cookiedough_78:
(Start: 118 @44841 has 33 MA's), (Start: 125 @44829 has 201 MA's), (Start: 172 @44742 has 2 MA's), (173, 44733), (183, 44685), (208, 44583), (214, 44562), (218, 44541), (226, 44499), (232, 44460),

Gene: Corium_38 Start: 31351, Stop: 30839, Start Num: 139
Candidate Starts for Corium_38:
(78, 31462), (Start: 139 @31351 has 224 MA's), (Start: 157 @31309 has 5 MA's), (Start: 172 @31258 has 2 MA's), (173, 31249), (183, 31201), (214, 31078), (221, 31036), (264, 30850),

Gene: Corvo_77 Start: 48036, Stop: 47524, Start Num: 139
Candidate Starts for Corvo_77:
(51, 48210), (58, 48192), (67, 48177), (Start: 110 @48093 has 2 MA's), (Start: 139 @48036 has 224 MA's), (Start: 157 @47994 has 5 MA's), (Start: 172 @47943 has 2 MA's), (173, 47934), (183, 47886), (214, 47763), (221, 47721), (264, 47535),

Gene: CosmicSans_58 Start: 40126, Stop: 39602, Start Num: 125
Candidate Starts for CosmicSans_58:
(Start: 125 @40126 has 201 MA's), (156, 40081), (160, 40063), (186, 39949), (195, 39913), (204, 39886), (208, 39865), (214, 39844), (216, 39829), (222, 39799), (223, 39796), (226, 39781), (248, 39685), (250, 39676), (263, 39619),

Gene: Courthouse_190 Start: 94714, Stop: 94199, Start Num: 137
Candidate Starts for Courthouse_190:
(17, 95044), (21, 95002), (57, 94873), (83, 94816), (88, 94807), (128, 94735), (Start: 137 @94714 has 3 MA's), (Start: 139 @94711 has 224 MA's), (Start: 157 @94669 has 5 MA's), (Start: 172 @94618 has 2 MA's), (173, 94609), (183, 94561), (190, 94519), (214, 94438), (221, 94396), (264, 94210),

Gene: Crucio_76 Start: 45736, Stop: 45161, Start Num: 125
Candidate Starts for Crucio_76:
(Start: 97 @45778 has 4 MA's), (107, 45766), (Start: 118 @45748 has 33 MA's), (Start: 125 @45736 has 201 MA's), (Start: 172 @45619 has 2 MA's), (173, 45610), (183, 45562), (208, 45460), (226, 45373), (232, 45334), (250, 45271),

Gene: Cuco_68 Start: 43420, Stop: 42890, Start Num: 130
Candidate Starts for Cuco_68:
(126, 43426), (Start: 130 @43420 has 39 MA's), (203, 43168), (204, 43165), (208, 43144), (214, 43123), (249, 42964), (257, 42925),

Gene: DBQu4n_78 Start: 45869, Stop: 45312, Start Num: 118
Candidate Starts for DBQu4n_78:
(Start: 118 @45869 has 33 MA's), (Start: 125 @45857 has 201 MA's), (Start: 172 @45740 has 2 MA's), (173, 45731), (176, 45716), (183, 45683), (208, 45581), (210, 45575), (214, 45557), (220, 45530), (221, 45515), (222, 45512), (225, 45497), (232, 45455), (248, 45401), (255, 45374), (258, 45356),

Gene: DD5_73 Start: 46562, Stop: 46050, Start Num: 139
Candidate Starts for DD5_73:
(51, 46736), (67, 46703), (Start: 110 @46619 has 2 MA's), (Start: 139 @46562 has 224 MA's), (Start: 157 @46520 has 5 MA's), (Start: 172 @46469 has 2 MA's), (173, 46460), (183, 46412), (190, 46370), (214, 46289), (221, 46247), (264, 46061),

Gene: DLane_38 Start: 31116, Stop: 30604, Start Num: 139
Candidate Starts for DLane_38:
(46, 31305), (Start: 131 @31128 has 59 MA's), (Start: 139 @31116 has 224 MA's), (Start: 157 @31074 has 5 MA's), (Start: 172 @31023 has 2 MA's), (173, 31014), (183, 30966), (190, 30924), (214, 30843), (221, 30801), (264, 30615),

Gene: DaVinci_76 Start: 43579, Stop: 43064, Start Num: 125
Candidate Starts for DaVinci_76:
(Start: 118 @43591 has 33 MA's), (Start: 125 @43579 has 201 MA's), (Start: 172 @43492 has 2 MA's), (173, 43483), (183, 43435), (208, 43333), (214, 43312), (218, 43291), (226, 43249), (232, 43210),

Gene: Dalmatian_76 Start: 45555, Stop: 44977, Start Num: 125
Candidate Starts for Dalmatian_76:
(Start: 97 @45597 has 4 MA's), (107, 45585), (Start: 118 @45567 has 33 MA's), (Start: 125 @45555 has 201 MA's), (Start: 172 @45438 has 2 MA's), (173, 45429), (183, 45381), (208, 45279), (222, 45210), (226, 45192), (231, 45162), (232, 45153), (250, 45090),

Gene: Danzina_30 Start: 23606, Stop: 24058, Start Num: 149
Candidate Starts for Danzina_30:
(121, 23564), (Start: 149 @23606 has 110 MA's), (167, 23678), (186, 23771), (203, 23837), (205, 23846), (207, 23858), (219, 23900), (221, 23918), (227, 23942),

Gene: DarthPhader_73 Start: 45812, Stop: 45297, Start Num: 125
Candidate Starts for DarthPhader_73:
(Start: 125 @45812 has 201 MA's), (Start: 172 @45722 has 2 MA's), (173, 45713), (183, 45665), (208, 45563), (214, 45539), (226, 45476), (232, 45437), (250, 45374), (258, 45338), (266, 45305),

Gene: Dattran_30 Start: 23412, Stop: 23864, Start Num: 149
Candidate Starts for Dattran_30:
(121, 23370), (Start: 149 @23412 has 110 MA's), (167, 23484), (186, 23577), (203, 23643), (205, 23652), (207, 23664), (219, 23706), (221, 23724), (227, 23748),

Gene: Daudau_29 Start: 23269, Stop: 23727, Start Num: 149
Candidate Starts for Daudau_29:
(Start: 115 @23221 has 1 MA's), (Start: 119 @23227 has 17 MA's), (121, 23230), (Start: 149 @23269 has 110 MA's), (167, 23341), (178, 23389), (186, 23434), (203, 23500), (221, 23581), (227, 23605),

Gene: DeerParkTS_72 Start: 44448, Stop: 43867, Start Num: 125

Candidate Starts for DeerParkTS_72:
(Start: 125 @44448 has 201 MA's), (144, 44418), (Start: 172 @44331 has 2 MA's), (183, 44274), (188, 44247), (208, 44172), (211, 44163), (226, 44085), (232, 44046), (248, 43992), (258, 43920),

Gene: DekHockey33_85 Start: 45865, Stop: 45422, Start Num: 125
Candidate Starts for DekHockey33_85:
(Start: 125 @45865 has 201 MA's), (Start: 157 @45820 has 5 MA's), (Start: 172 @45769 has 2 MA's), (173, 45760), (183, 45712), (208, 45610), (214, 45589), (240, 45451), (246, 45433),

Gene: Deloris_75 Start: 45154, Stop: 44579, Start Num: 125
Candidate Starts for Deloris_75:
(107, 45184), (Start: 118 @45166 has 33 MA's), (Start: 125 @45154 has 201 MA's), (Start: 172 @45037 has 2 MA's), (173, 45028), (180, 45001), (183, 44980), (184, 44974), (208, 44878), (211, 44869), (226, 44791), (232, 44752), (260, 44623), (261, 44614),

Gene: DelvinSonDorr_74 Start: 44234, Stop: 43719, Start Num: 125
Candidate Starts for DelvinSonDorr_74:
(Start: 118 @44246 has 33 MA's), (Start: 125 @44234 has 201 MA's), (Start: 172 @44147 has 2 MA's), (173, 44138), (183, 44090), (208, 43988), (214, 43967), (218, 43946), (226, 43904), (232, 43865),

Gene: Dexers_29 Start: 24220, Stop: 24675, Start Num: 149
Candidate Starts for Dexers_29:
(Start: 149 @24220 has 110 MA's), (154, 24238), (167, 24292), (178, 24340), (203, 24451), (221, 24538), (227, 24562),

Gene: Dexes_76 Start: 48978, Stop: 48466, Start Num: 139
Candidate Starts for Dexes_76:
(51, 49152), (67, 49119), (Start: 110 @49035 has 2 MA's), (Start: 139 @48978 has 224 MA's), (Start: 157 @48936 has 5 MA's), (Start: 172 @48885 has 2 MA's), (173, 48876), (183, 48828), (214, 48705), (221, 48663), (255, 48519), (264, 48477),

Gene: Diane_29 Start: 23581, Stop: 24045, Start Num: 149
Candidate Starts for Diane_29:
(Start: 115 @23536 has 1 MA's), (Start: 119 @23542 has 17 MA's), (Start: 149 @23581 has 110 MA's), (Start: 157 @23614 has 5 MA's), (167, 23653), (178, 23701), (186, 23746), (192, 23776), (203, 23812), (221, 23896), (225, 23914), (227, 23920), (238, 23989),

Gene: Dignity_77 Start: 45853, Stop: 45278, Start Num: 125
Candidate Starts for Dignity_77:
(Start: 97 @45895 has 4 MA's), (107, 45883), (Start: 118 @45865 has 33 MA's), (Start: 125 @45853 has 201 MA's), (Start: 172 @45736 has 2 MA's), (173, 45727), (183, 45679), (208, 45577), (226, 45490), (232, 45451), (250, 45388),

Gene: Dinger_57 Start: 40270, Stop: 39746, Start Num: 125
Candidate Starts for Dinger_57:
(Start: 125 @40270 has 201 MA's), (156, 40225), (160, 40207), (186, 40093), (195, 40057), (204, 40030), (208, 40009), (214, 39988), (223, 39940), (248, 39829), (250, 39820), (263, 39763),

Gene: DirtDevil_69 Start: 44737, Stop: 44267, Start Num: 157
Candidate Starts for DirtDevil_69:
(51, 44953), (67, 44920), (Start: 110 @44836 has 2 MA's), (Start: 139 @44779 has 224 MA's), (Start: 157 @44737 has 5 MA's), (Start: 172 @44686 has 2 MA's), (173, 44677), (183, 44629), (214, 44506),

(221, 44464), (264, 44278),

Gene: DirtyDunning_69 Start: 44183, Stop: 43671, Start Num: 131
Candidate Starts for DirtyDunning_69:
(Start: 131 @44183 has 59 MA's), (Start: 157 @44135 has 5 MA's), (Start: 172 @44084 has 2 MA's), (186, 44009), (190, 43985), (193, 43979), (196, 43973), (208, 43922), (214, 43901), (224, 43844), (232, 43805), (259, 43703),

Gene: Discoknowium_67 Start: 43310, Stop: 42780, Start Num: 130
Candidate Starts for Discoknowium_67:
(126, 43316), (Start: 130 @43310 has 39 MA's), (203, 43058), (204, 43055), (208, 43034), (214, 43013), (246, 42860), (249, 42854), (257, 42815),

Gene: Donkeykong_39 Start: 31357, Stop: 30821, Start Num: 119
Candidate Starts for Donkeykong_39:
(Start: 119 @31357 has 17 MA's), (Start: 157 @31291 has 5 MA's), (Start: 172 @31240 has 2 MA's), (173, 31231), (183, 31183), (190, 31141), (214, 31060), (221, 31018), (264, 30832),

Gene: DontArgue_67 Start: 42958, Stop: 42449, Start Num: 131
Candidate Starts for DontArgue_67:
(106, 43003), (Start: 131 @42958 has 59 MA's), (Start: 172 @42862 has 2 MA's), (173, 42853), (176, 42838), (186, 42787), (197, 42739), (204, 42721), (208, 42700), (214, 42679), (227, 42619), (232, 42583), (237, 42556), (250, 42517), (255, 42499), (259, 42481),

Gene: Doom_68 Start: 45189, Stop: 44677, Start Num: 139
Candidate Starts for Doom_68:
(51, 45363), (67, 45330), (Start: 110 @45246 has 2 MA's), (Start: 139 @45189 has 224 MA's), (Start: 157 @45147 has 5 MA's), (Start: 172 @45096 has 2 MA's), (173, 45087), (183, 45039), (214, 44916), (221, 44874), (264, 44688),

Gene: Dorothea_78 Start: 44837, Stop: 44310, Start Num: 118
Candidate Starts for Dorothea_78:
(Start: 118 @44837 has 33 MA's), (Start: 125 @44825 has 201 MA's), (Start: 172 @44738 has 2 MA's), (173, 44729), (183, 44681), (208, 44579), (214, 44558), (218, 44537), (226, 44495), (232, 44456),

Gene: DrFeelGood_71 Start: 44565, Stop: 44053, Start Num: 139
Candidate Starts for DrFeelGood_71:
(51, 44739), (67, 44706), (Start: 110 @44622 has 2 MA's), (Start: 139 @44565 has 224 MA's), (Start: 157 @44523 has 5 MA's), (Start: 172 @44472 has 2 MA's), (173, 44463), (183, 44415), (214, 44292), (221, 44250), (264, 44064),

Gene: Drake55_77 Start: 45449, Stop: 44874, Start Num: 125
Candidate Starts for Drake55_77:
(Start: 97 @45491 has 4 MA's), (107, 45479), (Start: 118 @45461 has 33 MA's), (Start: 125 @45449 has 201 MA's), (Start: 172 @45332 has 2 MA's), (173, 45323), (180, 45296), (183, 45275), (208, 45173), (221, 45107), (226, 45086), (232, 45047), (250, 44984),

Gene: Drake94_68 Start: 43133, Stop: 42630, Start Num: 135
Candidate Starts for Drake94_68:
(Start: 100 @43199 has 2 MA's), (111, 43184), (Start: 133 @43136 has 10 MA's), (Start: 135 @43133 has 7 MA's), (Start: 172 @43040 has 2 MA's), (183, 42983), (186, 42965), (190, 42941), (208, 42881), (214, 42860), (240, 42728), (259, 42662), (264, 42641),

Gene: DreamCatcher_79 Start: 47366, Stop: 46854, Start Num: 139
Candidate Starts for DreamCatcher_79:
(51, 47540), (67, 47507), (Start: 110 @47423 has 2 MA's), (Start: 139 @47366 has 224 MA's), (Start: 157 @47324 has 5 MA's), (Start: 172 @47273 has 2 MA's), (173, 47264), (183, 47216), (214, 47093), (221, 47051), (264, 46865),

Gene: DreamTeam1_71 Start: 43731, Stop: 43198, Start Num: 125
Candidate Starts for DreamTeam1_71:
(Start: 125 @43731 has 201 MA's), (Start: 172 @43635 has 2 MA's), (176, 43611), (183, 43578), (214, 43455), (216, 43440), (217, 43437), (226, 43392), (241, 43317), (243, 43311), (246, 43296), (248, 43293), (250, 43284),

Gene: Dreamboat_75 Start: 44848, Stop: 44336, Start Num: 139
Candidate Starts for Dreamboat_75:
(51, 45022), (67, 44989), (Start: 110 @44905 has 2 MA's), (Start: 139 @44848 has 224 MA's), (Start: 157 @44806 has 5 MA's), (Start: 172 @44755 has 2 MA's), (173, 44746), (183, 44698), (214, 44575), (221, 44533), (264, 44347),

Gene: DroogsArmy_69 Start: 47376, Stop: 46870, Start Num: 131
Candidate Starts for DroogsArmy_69:
(89, 47454), (92, 47445), (95, 47439), (Start: 131 @47376 has 59 MA's), (158, 47328), (187, 47202), (190, 47181), (196, 47169), (208, 47121), (214, 47100), (219, 47076), (224, 47043), (232, 47004), (248, 46947), (250, 46938), (255, 46920), (259, 46902),

Gene: DropBear_74 Start: 44617, Stop: 44105, Start Num: 131
Candidate Starts for DropBear_74:
(98, 44671), (Start: 131 @44617 has 59 MA's), (Start: 135 @44611 has 7 MA's), (Start: 172 @44518 has 2 MA's), (186, 44443), (187, 44440), (190, 44419), (197, 44395), (208, 44356), (212, 44341), (214, 44335), (232, 44239), (248, 44182), (259, 44137),

Gene: Dublin_69 Start: 43699, Stop: 43169, Start Num: 130
Candidate Starts for Dublin_69:
(Start: 130 @43699 has 39 MA's), (203, 43447), (204, 43444), (208, 43423), (214, 43402), (249, 43243), (257, 43204),

Gene: DudeLittle_74 Start: 45321, Stop: 44743, Start Num: 125
Candidate Starts for DudeLittle_74:
(Start: 97 @45363 has 4 MA's), (107, 45351), (Start: 118 @45333 has 33 MA's), (Start: 125 @45321 has 201 MA's), (Start: 172 @45204 has 2 MA's), (173, 45195), (183, 45147), (208, 45045), (222, 44976), (226, 44958), (231, 44928), (232, 44919), (250, 44856),

Gene: Dulcie_76 Start: 48642, Stop: 48130, Start Num: 139
Candidate Starts for Dulcie_76:
(51, 48816), (67, 48783), (Start: 110 @48699 has 2 MA's), (Start: 139 @48642 has 224 MA's), (Start: 157 @48600 has 5 MA's), (Start: 172 @48549 has 2 MA's), (173, 48540), (183, 48492), (214, 48369), (221, 48327), (264, 48141),

Gene: Duplo_78 Start: 45914, Stop: 45369, Start Num: 125
Candidate Starts for Duplo_78:
(Start: 118 @45926 has 33 MA's), (Start: 125 @45914 has 201 MA's), (Start: 172 @45797 has 2 MA's), (173, 45788), (176, 45773), (183, 45740), (208, 45638), (210, 45632), (214, 45614), (220, 45587), (221, 45572), (222, 45569), (225, 45554), (232, 45512), (248, 45458), (255, 45431), (258,

45413),

Gene: Dussy_74 Start: 46227, Stop: 45715, Start Num: 139
Candidate Starts for Dussy_74:
(51, 46401), (67, 46368), (Start: 110 @46284 has 2 MA's), (Start: 139 @46227 has 224 MA's), (Start: 157 @46185 has 5 MA's), (Start: 172 @46134 has 2 MA's), (173, 46125), (183, 46077), (214, 45954), (221, 45912), (255, 45768), (264, 45726),

Gene: DustyMartin_72 Start: 44148, Stop: 43642, Start Num: 135
Candidate Starts for DustyMartin_72:
(Start: 100 @44214 has 2 MA's), (111, 44199), (Start: 135 @44148 has 7 MA's), (Start: 157 @44106 has 5 MA's), (Start: 172 @44055 has 2 MA's), (176, 44031), (183, 43998), (186, 43980), (190, 43956), (208, 43896), (214, 43875), (240, 43743), (259, 43677), (264, 43656),

Gene: Dwayne_28 Start: 22872, Stop: 23324, Start Num: 149
Candidate Starts for Dwayne_28:
(146, 22869), (Start: 149 @22872 has 110 MA's), (167, 22944), (175, 22983), (203, 23103), (213, 23142), (221, 23184), (227, 23208),

Gene: Dynamix_75 Start: 45282, Stop: 44770, Start Num: 139
Candidate Starts for Dynamix_75:
(51, 45456), (67, 45423), (Start: 110 @45339 has 2 MA's), (Start: 139 @45282 has 224 MA's), (Start: 157 @45240 has 5 MA's), (Start: 172 @45189 has 2 MA's), (173, 45180), (183, 45132), (214, 45009), (221, 44967), (264, 44781),

Gene: ELB20_28 Start: 23634, Stop: 24092, Start Num: 149
Candidate Starts for ELB20_28:
(96, 23559), (Start: 149 @23634 has 110 MA's), (154, 23652), (Start: 157 @23667 has 5 MA's), (167, 23706), (178, 23754), (186, 23799), (192, 23829), (203, 23865), (221, 23946), (227, 23970),

Gene: EZMoney23_72 Start: 45225, Stop: 44641, Start Num: 125
Candidate Starts for EZMoney23_72:
(Start: 125 @45225 has 201 MA's), (141, 45198), (Start: 172 @45108 has 2 MA's), (183, 45051), (208, 44949), (211, 44940), (222, 44880), (226, 44862), (232, 44823), (248, 44766), (258, 44694),

Gene: Eagle_69 Start: 44232, Stop: 43720, Start Num: 131
Candidate Starts for Eagle_69:
(Start: 131 @44232 has 59 MA's), (Start: 157 @44184 has 5 MA's), (Start: 172 @44133 has 2 MA's), (186, 44058), (190, 44034), (196, 44022), (208, 43971), (214, 43950), (224, 43893), (246, 43800), (259, 43752),

Gene: EagleEye_81 Start: 45914, Stop: 45372, Start Num: 125
Candidate Starts for EagleEye_81:
(Start: 118 @45926 has 33 MA's), (Start: 125 @45914 has 201 MA's), (Start: 172 @45809 has 2 MA's), (173, 45800), (183, 45752), (199, 45686), (208, 45650), (214, 45629), (226, 45566), (232, 45527), (255, 45437), (258, 45419),

Gene: Eaglepride_73 Start: 44100, Stop: 43594, Start Num: 133
Candidate Starts for Eaglepride_73:
(Start: 100 @44163 has 2 MA's), (111, 44148), (Start: 133 @44100 has 10 MA's), (Start: 135 @44097 has 7 MA's), (Start: 172 @44004 has 2 MA's), (176, 43980), (183, 43947), (186, 43929), (190, 43905), (208, 43845), (214, 43824), (224, 43767), (227, 43764), (248, 43671), (250, 43662), (259, 43626), (264, 43605),

Gene: EasyJones_49 Start: 15112, Stop: 15636, Start Num: 131
Candidate Starts for EasyJones_49:
(46, 14935), (Start: 131 @15112 has 59 MA's), (Start: 139 @15124 has 224 MA's), (Start: 157 @15166 has 5 MA's), (Start: 172 @15217 has 2 MA's), (173, 15226), (183, 15274), (214, 15397), (221, 15439), (255, 15583), (264, 15625),

Gene: Ebony_78 Start: 44921, Stop: 44370, Start Num: 125
Candidate Starts for Ebony_78:
(Start: 97 @44963 has 4 MA's), (Start: 118 @44933 has 33 MA's), (Start: 125 @44921 has 201 MA's), (141, 44894), (Start: 172 @44804 has 2 MA's), (176, 44780), (183, 44747), (208, 44645), (214, 44621), (216, 44606), (221, 44579), (226, 44558), (232, 44519), (258, 44420), (266, 44387),

Gene: Echild_76 Start: 45077, Stop: 44502, Start Num: 125
Candidate Starts for Echild_76:
(Start: 125 @45077 has 201 MA's), (Start: 152 @45023 has 1 MA's), (Start: 172 @44960 has 2 MA's), (173, 44951), (180, 44924), (183, 44903), (208, 44801), (211, 44792), (226, 44714), (232, 44675), (260, 44546), (261, 44537),

Gene: Eddasa_30 Start: 22949, Stop: 23401, Start Num: 149
Candidate Starts for Eddasa_30:
(2, 22409), (4, 22439), (7, 22490), (9, 22517), (44, 22751), (105, 22880), (128, 22922), (Start: 149 @22949 has 110 MA's), (Start: 157 @22982 has 5 MA's), (167, 23021), (203, 23180), (221, 23261), (233, 23324),

Gene: Edison31_67 Start: 43873, Stop: 43367, Start Num: 133
Candidate Starts for Edison31_67:
(Start: 100 @43936 has 2 MA's), (111, 43921), (Start: 133 @43873 has 10 MA's), (Start: 135 @43870 has 7 MA's), (Start: 172 @43777 has 2 MA's), (176, 43753), (183, 43720), (186, 43702), (190, 43678), (208, 43618), (214, 43597), (224, 43540), (232, 43501), (240, 43465), (259, 43399), (264, 43378),

Gene: EdogawaKiddo_75 Start: 44751, Stop: 44203, Start Num: 118
Candidate Starts for EdogawaKiddo_75:
(Start: 118 @44751 has 33 MA's), (Start: 125 @44739 has 201 MA's), (Start: 172 @44643 has 2 MA's), (173, 44634), (176, 44619), (183, 44586), (214, 44463), (216, 44448), (217, 44445), (225, 44403), (226, 44400), (242, 44322),

Gene: Edtherson_74 Start: 46515, Stop: 45946, Start Num: 110
Candidate Starts for Edtherson_74:
(51, 46632), (67, 46599), (Start: 110 @46515 has 2 MA's), (Start: 139 @46458 has 224 MA's), (Start: 157 @46416 has 5 MA's), (Start: 172 @46365 has 2 MA's), (173, 46356), (183, 46308), (208, 46206), (214, 46185), (221, 46143), (255, 45999), (264, 45957),

Gene: Eidsmoe_75 Start: 44450, Stop: 43902, Start Num: 118
Candidate Starts for Eidsmoe_75:
(Start: 118 @44450 has 33 MA's), (Start: 125 @44438 has 201 MA's), (Start: 172 @44342 has 2 MA's), (173, 44333), (176, 44318), (183, 44285), (214, 44162), (216, 44147), (217, 44144), (225, 44102), (226, 44099), (242, 44021), (250, 43991),

Gene: Ejemplo_28 Start: 22901, Stop: 23353, Start Num: 149
Candidate Starts for Ejemplo_28:
(114, 22847), (Start: 149 @22901 has 110 MA's), (167, 22973), (175, 23012), (186, 23066), (203, 23132), (205, 23141), (213, 23171), (221, 23213), (227, 23237),

Gene: ElGato_31 Start: 23859, Stop: 24314, Start Num: 149
Candidate Starts for ElGato_31:
(Start: 75 @23727 has 1 MA's), (Start: 119 @23811 has 17 MA's), (Start: 135 @23841 has 7 MA's), (Start: 149 @23859 has 110 MA's), (154, 23877), (167, 23931), (178, 23979), (203, 24090), (221, 24177), (227, 24201),

Gene: ElTiger69_75 Start: 44783, Stop: 44253, Start Num: 130
Candidate Starts for ElTiger69_75:
(65, 44915), (78, 44882), (79, 44879), (Start: 130 @44783 has 39 MA's), (147, 44753), (187, 44591), (192, 44567), (203, 44531), (208, 44507), (214, 44486), (246, 44333), (249, 44327), (257, 44288),

Gene: Elephantoon_77 Start: 44590, Stop: 44063, Start Num: 125
Candidate Starts for Elephantoon_77:
(96, 44635), (Start: 118 @44602 has 33 MA's), (Start: 125 @44590 has 201 MA's), (Start: 172 @44494 has 2 MA's), (176, 44470), (183, 44437), (186, 44419), (214, 44314), (217, 44296), (225, 44254), (226, 44251), (232, 44212), (242, 44173), (243, 44170), (248, 44152),

Gene: Elle_78 Start: 44595, Stop: 44062, Start Num: 125
Candidate Starts for Elle_78:
(Start: 125 @44595 has 201 MA's), (Start: 157 @44538 has 5 MA's), (165, 44511), (171, 44496), (176, 44463), (180, 44451), (183, 44430), (186, 44412), (199, 44364), (208, 44328), (214, 44307), (219, 44283), (227, 44241), (250, 44139), (258, 44103), (266, 44070),

Gene: Emaanora_30 Start: 22830, Stop: 23282, Start Num: 149
Candidate Starts for Emaanora_30:
(146, 22827), (Start: 149 @22830 has 110 MA's), (167, 22902), (175, 22941), (203, 23061), (213, 23100), (221, 23142), (227, 23166),

Gene: Emma_41 Start: 31756, Stop: 31244, Start Num: 139
Candidate Starts for Emma_41:
(106, 31810), (Start: 139 @31756 has 224 MA's), (Start: 157 @31714 has 5 MA's), (Start: 172 @31663 has 2 MA's), (173, 31654), (183, 31606), (190, 31564), (214, 31483), (221, 31441), (264, 31255),

Gene: EmyBug_74 Start: 44440, Stop: 43904, Start Num: 125
Candidate Starts for EmyBug_74:
(Start: 118 @44452 has 33 MA's), (Start: 125 @44440 has 201 MA's), (Start: 172 @44344 has 2 MA's), (173, 44335), (176, 44320), (183, 44287), (214, 44164), (216, 44149), (217, 44146), (225, 44104), (226, 44101), (242, 44023), (250, 43993),

Gene: EnochSoames_32 Start: 22944, Stop: 23396, Start Num: 149
Candidate Starts for EnochSoames_32:
(1, 22389), (7, 22485), (9, 22512), (44, 22746), (105, 22875), (128, 22917), (Start: 149 @22944 has 110 MA's), (Start: 157 @22977 has 5 MA's), (167, 23016), (203, 23175), (221, 23256), (233, 23319),

Gene: EnzoK_76 Start: 44568, Stop: 44056, Start Num: 139
Candidate Starts for EnzoK_76:
(51, 44742), (67, 44709), (Start: 110 @44625 has 2 MA's), (Start: 139 @44568 has 224 MA's), (Start: 157 @44526 has 5 MA's), (Start: 172 @44475 has 2 MA's), (173, 44466), (183, 44418), (190, 44376), (214, 44295), (221, 44253), (264, 44067),

Gene: Enzomatic_44 Start: 31331, Stop: 30819, Start Num: 139
Candidate Starts for Enzomatic_44:

(Start: 108 @31391 has 1 MA's), (Start: 139 @31331 has 224 MA's), (Start: 157 @31289 has 5 MA's), (Start: 172 @31238 has 2 MA's), (173, 31229), (183, 31181), (190, 31139), (214, 31058), (221, 31016), (264, 30830),

Gene: Epsocamisio_81 Start: 45155, Stop: 44634, Start Num: 125
Candidate Starts for Epsocamisio_81:
(Start: 125 @45155 has 201 MA's), (Start: 157 @45110 has 5 MA's), (Start: 172 @45059 has 2 MA's), (173, 45050), (183, 45002), (208, 44900), (214, 44879), (240, 44741), (246, 44723), (250, 44711), (258, 44675),

Gene: Equemioh13_75 Start: 45271, Stop: 44696, Start Num: 125
Candidate Starts for Equemioh13_75:
(28, 45496), (35, 45475), (54, 45406), (Start: 97 @45313 has 4 MA's), (107, 45301), (Start: 118 @45283 has 33 MA's), (Start: 125 @45271 has 201 MA's), (Start: 172 @45154 has 2 MA's), (173, 45145), (180, 45118), (183, 45097), (208, 44995), (221, 44929), (226, 44908), (232, 44869), (250, 44806),

Gene: EricB_77 Start: 44171, Stop: 43656, Start Num: 125
Candidate Starts for EricB_77:
(Start: 118 @44183 has 33 MA's), (Start: 125 @44171 has 201 MA's), (Start: 172 @44084 has 2 MA's), (173, 44075), (183, 44027), (208, 43925), (214, 43904), (218, 43883), (226, 43841), (232, 43802),

Gene: Eris_69 Start: 44183, Stop: 43671, Start Num: 131
Candidate Starts for Eris_69:
(Start: 131 @44183 has 59 MA's), (Start: 157 @44135 has 5 MA's), (Start: 172 @44084 has 2 MA's), (186, 44009), (190, 43985), (193, 43979), (196, 43973), (208, 43922), (214, 43901), (224, 43844), (232, 43805), (259, 43703),

Gene: Esperer_29 Start: 22412, Stop: 22864, Start Num: 149
Candidate Starts for Esperer_29:
(20, 22115), (22, 22124), (38, 22181), (39, 22184), (53, 22241), (61, 22256), (64, 22259), (66, 22262), (Start: 69 @22271 has 1 MA's), (71, 22274), (84, 22310), (105, 22343), (128, 22385), (Start: 149 @22412 has 110 MA's), (167, 22484), (203, 22643), (221, 22724), (233, 22787),

Gene: Espica_59 Start: 40065, Stop: 39541, Start Num: 125
Candidate Starts for Espica_59:
(Start: 125 @40065 has 201 MA's), (156, 40020), (160, 40002), (186, 39888), (195, 39852), (204, 39825), (208, 39804), (214, 39783), (216, 39768), (222, 39738), (223, 39735), (248, 39624), (250, 39615), (263, 39558),

Gene: Espresso_69 Start: 45130, Stop: 44618, Start Num: 139
Candidate Starts for Espresso_69:
(51, 45304), (67, 45271), (Start: 110 @45187 has 2 MA's), (Start: 139 @45130 has 224 MA's), (Start: 157 @45088 has 5 MA's), (Start: 172 @45037 has 2 MA's), (173, 45028), (183, 44980), (214, 44857), (221, 44815), (264, 44629),

Gene: Et2Brutus_77 Start: 44884, Stop: 44333, Start Num: 125
Candidate Starts for Et2Brutus_77:
(Start: 97 @44926 has 4 MA's), (Start: 118 @44896 has 33 MA's), (Start: 125 @44884 has 201 MA's), (141, 44857), (Start: 172 @44767 has 2 MA's), (176, 44743), (183, 44710), (208, 44608), (214, 44584), (216, 44569), (221, 44542), (226, 44521), (232, 44482), (258, 44383), (266, 44350),

Gene: Euphoria_76 Start: 47047, Stop: 46535, Start Num: 139
Candidate Starts for Euphoria_76:
(51, 47221), (67, 47188), (Start: 110 @47104 has 2 MA's), (Start: 139 @47047 has 224 MA's), (Start: 157 @47005 has 5 MA's), (Start: 172 @46954 has 2 MA's), (173, 46945), (183, 46897), (214, 46774), (221, 46732), (264, 46546),

Gene: Eurydice_71 Start: 44207, Stop: 43695, Start Num: 131
Candidate Starts for Eurydice_71:
(Start: 131 @44207 has 59 MA's), (Start: 157 @44159 has 5 MA's), (Start: 172 @44108 has 2 MA's), (186, 44033), (190, 44009), (196, 43997), (208, 43946), (214, 43925), (224, 43868), (246, 43775), (259, 43727),

Gene: EvilGenius_75 Start: 46857, Stop: 46282, Start Num: 125
Candidate Starts for EvilGenius_75:
(62, 46977), (Start: 97 @46899 has 4 MA's), (107, 46887), (Start: 118 @46869 has 33 MA's), (Start: 125 @46857 has 201 MA's), (Start: 172 @46740 has 2 MA's), (173, 46731), (183, 46683), (208, 46581), (226, 46494), (232, 46455), (241, 46419), (250, 46392), (258, 46329),

Gene: ExplosioNervosa_75 Start: 44506, Stop: 43970, Start Num: 125
Candidate Starts for ExplosioNervosa_75:
(Start: 118 @44518 has 33 MA's), (Start: 125 @44506 has 201 MA's), (Start: 172 @44410 has 2 MA's), (173, 44401), (176, 44386), (183, 44353), (214, 44230), (216, 44215), (217, 44212), (225, 44170), (226, 44167), (242, 44089), (250, 44059),

Gene: Eyeball_74 Start: 46332, Stop: 45820, Start Num: 139
Candidate Starts for Eyeball_74:
(51, 46506), (67, 46473), (Start: 110 @46389 has 2 MA's), (Start: 139 @46332 has 224 MA's), (Start: 157 @46290 has 5 MA's), (Start: 172 @46239 has 2 MA's), (173, 46230), (183, 46182), (214, 46059), (221, 46017), (264, 45831),

Gene: Fajezeel_78 Start: 47568, Stop: 47056, Start Num: 139
Candidate Starts for Fajezeel_78:
(51, 47742), (67, 47709), (Start: 110 @47625 has 2 MA's), (Start: 139 @47568 has 224 MA's), (Start: 157 @47526 has 5 MA's), (Start: 172 @47475 has 2 MA's), (173, 47466), (183, 47418), (214, 47295), (221, 47253), (264, 47067),

Gene: Fameo_74 Start: 45363, Stop: 44785, Start Num: 125
Candidate Starts for Fameo_74:
(62, 45483), (Start: 97 @45405 has 4 MA's), (107, 45393), (Start: 118 @45375 has 33 MA's), (Start: 125 @45363 has 201 MA's), (Start: 172 @45246 has 2 MA's), (173, 45237), (183, 45189), (208, 45087), (226, 45000), (231, 44970), (232, 44961), (250, 44898),

Gene: Fascinus_71 Start: 46856, Stop: 46344, Start Num: 139
Candidate Starts for Fascinus_71:
(51, 47030), (58, 47012), (67, 46997), (Start: 110 @46913 has 2 MA's), (Start: 139 @46856 has 224 MA's), (Start: 157 @46814 has 5 MA's), (Start: 172 @46763 has 2 MA's), (173, 46754), (183, 46706), (190, 46664), (214, 46583), (221, 46541), (264, 46355),

Gene: FatCactus_71 Start: 44220, Stop: 43696, Start Num: 127
Candidate Starts for FatCactus_71:
(Start: 127 @44220 has 1 MA's), (153, 44175), (160, 44151), (Start: 172 @44112 has 2 MA's), (186, 44037), (187, 44034), (190, 44013), (196, 44001), (212, 43938), (214, 43932), (225, 43872), (226, 43869), (227, 43866), (232, 43830), (250, 43764), (259, 43728),

Gene: Fayely_75 Start: 44407, Stop: 43871, Start Num: 125
Candidate Starts for Fayely_75:
(Start: 118 @44419 has 33 MA's), (Start: 125 @44407 has 201 MA's), (Start: 172 @44311 has 2 MA's), (173, 44302), (176, 44287), (183, 44254), (214, 44131), (216, 44116), (217, 44113), (225, 44071), (226, 44068), (242, 43990), (250, 43960),

Gene: Fenn_78 Start: 47387, Stop: 46875, Start Num: 139
Candidate Starts for Fenn_78:
(51, 47561), (67, 47528), (Start: 110 @47444 has 2 MA's), (Start: 139 @47387 has 224 MA's), (Start: 157 @47345 has 5 MA's), (Start: 172 @47294 has 2 MA's), (173, 47285), (183, 47237), (214, 47114), (221, 47072), (264, 46886),

Gene: Fibonacci_77 Start: 44902, Stop: 44339, Start Num: 118
Candidate Starts for Fibonacci_77:
(Start: 97 @44932 has 4 MA's), (Start: 118 @44902 has 33 MA's), (Start: 125 @44890 has 201 MA's), (141, 44863), (Start: 172 @44773 has 2 MA's), (176, 44749), (183, 44716), (208, 44614), (214, 44590), (216, 44575), (221, 44548), (226, 44527), (232, 44488), (258, 44389), (266, 44356),

Gene: FiringLine_76 Start: 45718, Stop: 45143, Start Num: 125
Candidate Starts for FiringLine_76:
(Start: 97 @45760 has 4 MA's), (107, 45748), (Start: 118 @45730 has 33 MA's), (Start: 125 @45718 has 201 MA's), (Start: 172 @45601 has 2 MA's), (173, 45592), (183, 45544), (208, 45442), (226, 45355), (232, 45316), (250, 45253),

Gene: First_0076 Start: 45400, Stop: 44828, Start Num: 125
Candidate Starts for First_0076:
(Start: 125 @45400 has 201 MA's), (Start: 172 @45283 has 2 MA's), (173, 45274), (180, 45247), (183, 45226), (208, 45124), (211, 45115), (226, 45037), (232, 44998), (248, 44944),

Gene: Flare16_76 Start: 45412, Stop: 44843, Start Num: 125
Candidate Starts for Flare16_76:
(Start: 97 @45454 has 4 MA's), (107, 45442), (Start: 118 @45424 has 33 MA's), (Start: 125 @45412 has 201 MA's), (Start: 172 @45295 has 2 MA's), (173, 45286), (180, 45259), (183, 45238), (208, 45136), (221, 45070), (226, 45049), (232, 45010), (250, 44947),

Gene: Flathead_38 Start: 31750, Stop: 31238, Start Num: 139
Candidate Starts for Flathead_38:
(Start: 139 @31750 has 224 MA's), (Start: 157 @31708 has 5 MA's), (Start: 172 @31657 has 2 MA's), (173, 31648), (183, 31600), (214, 31477), (221, 31435), (264, 31249),

Gene: Flaverint_79 Start: 45348, Stop: 44797, Start Num: 125
Candidate Starts for Flaverint_79:
(Start: 97 @45390 has 4 MA's), (Start: 118 @45360 has 33 MA's), (Start: 125 @45348 has 201 MA's), (141, 45321), (Start: 172 @45231 has 2 MA's), (176, 45207), (183, 45174), (208, 45072), (214, 45048), (216, 45033), (221, 45006), (226, 44985), (232, 44946), (258, 44847), (266, 44814),

Gene: Florence1_67 Start: 43251, Stop: 42721, Start Num: 130
Candidate Starts for Florence1_67:
(126, 43257), (Start: 130 @43251 has 39 MA's), (203, 42999), (204, 42996), (208, 42975), (214, 42954), (249, 42795), (257, 42756),

Gene: Florence4_68 Start: 43251, Stop: 42721, Start Num: 130

Candidate Starts for Florence4_68:
(126, 43257), (Start: 130 @43251 has 39 MA's), (203, 42999), (204, 42996), (208, 42975), (214, 42954), (249, 42795), (257, 42756),

Gene: FlyCatcher_75 Start: 48186, Stop: 47677, Start Num: 132
Candidate Starts for FlyCatcher_75:
(124, 48204), (Start: 132 @48186 has 3 MA's), (Start: 172 @48087 has 2 MA's), (183, 48030), (185, 48015), (186, 48012), (187, 48009), (190, 47988), (196, 47976), (214, 47907), (224, 47850), (248, 47754), (259, 47709),

Gene: ForGetIt_70 Start: 43818, Stop: 43288, Start Num: 130
Candidate Starts for ForGetIt_70:
(126, 43824), (Start: 130 @43818 has 39 MA's), (203, 43566), (204, 43563), (208, 43542), (214, 43521), (246, 43368), (249, 43362), (257, 43323),

Gene: ForesterFrank_71 Start: 45516, Stop: 44938, Start Num: 125
Candidate Starts for ForesterFrank_71:
(Start: 97 @45558 has 4 MA's), (112, 45540), (Start: 118 @45528 has 33 MA's), (Start: 125 @45516 has 201 MA's), (144, 45486), (160, 45438), (Start: 172 @45399 has 2 MA's), (180, 45363), (183, 45342), (208, 45240), (211, 45231), (222, 45171), (226, 45153), (232, 45114),

Gene: Forsytheast_77 Start: 47070, Stop: 46555, Start Num: 139
Candidate Starts for Forsytheast_77:
(51, 47244), (67, 47211), (Start: 110 @47127 has 2 MA's), (Start: 139 @47070 has 224 MA's), (Start: 157 @47028 has 5 MA's), (Start: 172 @46977 has 2 MA's), (173, 46968), (183, 46920), (208, 46818), (214, 46797), (221, 46755), (255, 46611), (264, 46569),

Gene: Francis47_77 Start: 48939, Stop: 48427, Start Num: 139
Candidate Starts for Francis47_77:
(51, 49113), (67, 49080), (Start: 110 @48996 has 2 MA's), (Start: 139 @48939 has 224 MA's), (Start: 157 @48897 has 5 MA's), (Start: 172 @48846 has 2 MA's), (173, 48837), (183, 48789), (214, 48666), (221, 48624), (264, 48438),

Gene: Fred313_71 Start: 44311, Stop: 43799, Start Num: 131
Candidate Starts for Fred313_71:
(98, 44365), (Start: 131 @44311 has 59 MA's), (Start: 135 @44305 has 7 MA's), (Start: 172 @44212 has 2 MA's), (186, 44137), (187, 44134), (190, 44113), (197, 44089), (208, 44050), (212, 44035), (214, 44029), (232, 43933), (248, 43876), (259, 43831),

Gene: Fruitloop_37 Start: 31358, Stop: 30786, Start Num: 108
Candidate Starts for Fruitloop_37:
(Start: 108 @31358 has 1 MA's), (Start: 139 @31298 has 224 MA's), (Start: 157 @31256 has 5 MA's), (Start: 172 @31205 has 2 MA's), (173, 31196), (183, 31148), (190, 31106), (214, 31025), (221, 30983), (264, 30797),

Gene: Funston_69 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Funston_69:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Fushigi_69 Start: 43388, Stop: 42876, Start Num: 139
Candidate Starts for Fushigi_69:

(51, 43562), (67, 43529), (Start: 110 @43445 has 2 MA's), (Start: 139 @43388 has 224 MA's), (Start: 157 @43346 has 5 MA's), (Start: 172 @43295 has 2 MA's), (173, 43286), (183, 43238), (214, 43115), (221, 43073), (264, 42887),

Gene: GMonster_73 Start: 46234, Stop: 45722, Start Num: 139
Candidate Starts for GMonster_73:
(51, 46408), (67, 46375), (Start: 110 @46291 has 2 MA's), (Start: 139 @46234 has 224 MA's), (Start: 157 @46192 has 5 MA's), (Start: 172 @46141 has 2 MA's), (173, 46132), (183, 46084), (214, 45961), (221, 45919), (264, 45733),

Gene: Gadost_70 Start: 44172, Stop: 43660, Start Num: 131
Candidate Starts for Gadost_70:
(Start: 131 @44172 has 59 MA's), (Start: 157 @44124 has 5 MA's), (Start: 172 @44073 has 2 MA's), (186, 43998), (190, 43974), (193, 43968), (196, 43962), (208, 43911), (214, 43890), (224, 43833), (232, 43794), (259, 43692),

Gene: GageAP_78 Start: 48292, Stop: 47780, Start Num: 139
Candidate Starts for GageAP_78:
(51, 48466), (67, 48433), (Start: 110 @48349 has 2 MA's), (Start: 139 @48292 has 224 MA's), (Start: 157 @48250 has 5 MA's), (Start: 172 @48199 has 2 MA's), (173, 48190), (183, 48142), (214, 48019), (221, 47977), (264, 47791),

Gene: Gail_77 Start: 45694, Stop: 45167, Start Num: 125
Candidate Starts for Gail_77:
(Start: 118 @45706 has 33 MA's), (Start: 125 @45694 has 201 MA's), (Start: 172 @45592 has 2 MA's), (176, 45568), (179, 45559), (183, 45535), (186, 45517), (208, 45433), (209, 45430), (214, 45412), (219, 45388), (225, 45352), (237, 45286), (241, 45274), (255, 45229), (258, 45211),

Gene: Galactic_41 Start: 32019, Stop: 31483, Start Num: 119
Candidate Starts for Galactic_41:
(Start: 119 @32019 has 17 MA's), (Start: 157 @31953 has 5 MA's), (Start: 172 @31902 has 2 MA's), (173, 31893), (183, 31845), (190, 31803), (214, 31722), (221, 31680), (264, 31494),

Gene: Gandalf20_74 Start: 46415, Stop: 45903, Start Num: 139
Candidate Starts for Gandalf20_74:
(51, 46589), (67, 46556), (Start: 110 @46472 has 2 MA's), (Start: 139 @46415 has 224 MA's), (Start: 157 @46373 has 5 MA's), (Start: 172 @46322 has 2 MA's), (173, 46313), (183, 46265), (214, 46142), (221, 46100), (264, 45914),

Gene: Garak_79 Start: 44341, Stop: 43826, Start Num: 125
Candidate Starts for Garak_79:
(Start: 103 @44377 has 9 MA's), (Start: 118 @44353 has 33 MA's), (Start: 125 @44341 has 201 MA's), (Start: 152 @44317 has 1 MA's), (Start: 172 @44254 has 2 MA's), (183, 44197), (208, 44095), (214, 44074), (226, 44011), (232, 43972), (248, 43918), (250, 43909), (265, 43846),

Gene: GaugeLDP_71 Start: 44968, Stop: 44396, Start Num: 125
Candidate Starts for GaugeLDP_71:
(Start: 118 @44980 has 33 MA's), (Start: 125 @44968 has 201 MA's), (141, 44941), (Start: 157 @44902 has 5 MA's), (Start: 172 @44851 has 2 MA's), (183, 44794), (208, 44692), (221, 44626), (226, 44605), (232, 44566), (237, 44542), (254, 44470), (266, 44416),

Gene: Gemma_76 Start: 44815, Stop: 44306, Start Num: 143
Candidate Starts for Gemma_76:

(Start: 143 @44815 has 18 MA's), (Start: 157 @44779 has 5 MA's), (Start: 172 @44728 has 2 MA's), (173, 44719), (186, 44653), (196, 44617), (208, 44569), (214, 44548), (225, 44488), (226, 44485), (232, 44446), (248, 44383), (259, 44338),

Gene: George_65 Start: 43483, Stop: 42953, Start Num: 130
Candidate Starts for George_65:
(126, 43489), (Start: 130 @43483 has 39 MA's), (203, 43231), (204, 43228), (208, 43207), (214, 43186), (249, 43027), (257, 42988),

Gene: Georgie2_77 Start: 45763, Stop: 45188, Start Num: 125
Candidate Starts for Georgie2_77:
(Start: 97 @45805 has 4 MA's), (107, 45793), (Start: 118 @45775 has 33 MA's), (Start: 125 @45763 has 201 MA's), (Start: 172 @45646 has 2 MA's), (173, 45637), (183, 45589), (208, 45487), (226, 45400), (232, 45361), (250, 45298),

Gene: Ghoulboy_69 Start: 43791, Stop: 43261, Start Num: 130
Candidate Starts for Ghoulboy_69:
(Start: 130 @43791 has 39 MA's), (192, 43575), (203, 43539), (204, 43536), (208, 43515), (209, 43512), (214, 43494), (246, 43341), (257, 43296),

Gene: Gilberta_75 Start: 44224, Stop: 43673, Start Num: 125
Candidate Starts for Gilberta_75:
(Start: 97 @44266 has 4 MA's), (Start: 118 @44236 has 33 MA's), (Start: 125 @44224 has 201 MA's), (141, 44197), (Start: 172 @44107 has 2 MA's), (176, 44083), (183, 44050), (208, 43948), (214, 43924), (216, 43909), (221, 43882), (226, 43861), (232, 43822), (258, 43723), (266, 43690),

Gene: GirlDinner_29 Start: 23214, Stop: 23672, Start Num: 149
Candidate Starts for GirlDinner_29:
(6, 22749), (23, 22932), (40, 22989), (79, 23100), (83, 23112), (90, 23124), (Start: 115 @23169 has 1 MA's), (Start: 119 @23175 has 17 MA's), (121, 23178), (Start: 149 @23214 has 110 MA's), (167, 23286), (178, 23334), (192, 23409), (201, 23439), (203, 23445), (205, 23454), (221, 23526), (227, 23550), (233, 23589),

Gene: Giroux_76 Start: 44691, Stop: 44179, Start Num: 131
Candidate Starts for Giroux_76:
(129, 44700), (Start: 131 @44691 has 59 MA's), (Start: 135 @44685 has 7 MA's), (Start: 172 @44592 has 2 MA's), (186, 44517), (190, 44493), (193, 44487), (197, 44469), (208, 44430), (212, 44415), (214, 44409), (232, 44313), (248, 44256), (259, 44211),

Gene: Gladiator_75 Start: 44280, Stop: 43729, Start Num: 103
Candidate Starts for Gladiator_75:
(Start: 103 @44280 has 9 MA's), (Start: 118 @44256 has 33 MA's), (Start: 125 @44244 has 201 MA's), (Start: 152 @44220 has 1 MA's), (Start: 172 @44157 has 2 MA's), (183, 44100), (208, 43998), (214, 43977), (226, 43914), (232, 43875), (248, 43821), (250, 43812), (265, 43749),

Gene: Goby_29 Start: 23418, Stop: 23870, Start Num: 149
Candidate Starts for Goby_29:
(37, 23181), (44, 23217), (67, 23271), (101, 23346), (109, 23352), (114, 23364), (Start: 149 @23418 has 110 MA's), (167, 23490), (186, 23583), (203, 23649), (221, 23730), (227, 23754), (250, 23862),

Gene: Godpower_30 Start: 23416, Stop: 23868, Start Num: 149
Candidate Starts for Godpower_30:

(121, 23374), (Start: 149 @23416 has 110 MA's), (167, 23488), (186, 23581), (203, 23647), (207, 23668), (219, 23710), (221, 23728), (227, 23752),

Gene: Gompeii16_76 Start: 48939, Stop: 48427, Start Num: 139
Candidate Starts for Gompeii16_76:
(51, 49113), (67, 49080), (Start: 110 @48996 has 2 MA's), (Start: 139 @48939 has 224 MA's), (Start: 157 @48897 has 5 MA's), (Start: 172 @48846 has 2 MA's), (173, 48837), (183, 48789), (214, 48666), (221, 48624), (264, 48438),

Gene: Goose_71 Start: 43816, Stop: 43310, Start Num: 133
Candidate Starts for Goose_71:
(Start: 100 @43879 has 2 MA's), (111, 43864), (Start: 133 @43816 has 10 MA's), (Start: 135 @43813 has 7 MA's), (Start: 172 @43720 has 2 MA's), (176, 43696), (183, 43663), (186, 43645), (190, 43621), (208, 43561), (214, 43540), (240, 43408), (259, 43342), (264, 43321),

Gene: Graduation_78 Start: 46915, Stop: 46403, Start Num: 139
Candidate Starts for Graduation_78:
(51, 47089), (67, 47056), (Start: 110 @46972 has 2 MA's), (Start: 139 @46915 has 224 MA's), (Start: 157 @46873 has 5 MA's), (Start: 172 @46822 has 2 MA's), (173, 46813), (183, 46765), (190, 46723), (214, 46642), (221, 46600), (264, 46414),

Gene: Gratitude_73 Start: 45283, Stop: 44696, Start Num: 118
Candidate Starts for Gratitude_73:
(28, 45496), (35, 45475), (54, 45406), (Start: 97 @45313 has 4 MA's), (107, 45301), (Start: 118 @45283 has 33 MA's), (Start: 125 @45271 has 201 MA's), (Start: 172 @45154 has 2 MA's), (173, 45145), (180, 45118), (183, 45097), (208, 44995), (221, 44929), (226, 44908), (232, 44869), (250, 44806),

Gene: GrecoEtereo_79 Start: 48044, Stop: 47532, Start Num: 139
Candidate Starts for GrecoEtereo_79:
(51, 48218), (67, 48185), (Start: 110 @48101 has 2 MA's), (Start: 139 @48044 has 224 MA's), (Start: 157 @48002 has 5 MA's), (Start: 172 @47951 has 2 MA's), (173, 47942), (183, 47894), (214, 47771), (221, 47729), (264, 47543),

Gene: GreedyLawyer_73 Start: 44144, Stop: 43629, Start Num: 125
Candidate Starts for GreedyLawyer_73:
(Start: 118 @44156 has 33 MA's), (Start: 125 @44144 has 201 MA's), (Start: 172 @44057 has 2 MA's), (173, 44048), (183, 44000), (208, 43898), (214, 43877), (218, 43856), (226, 43814), (232, 43775),

Gene: GreenWeasel_31 Start: 23247, Stop: 23708, Start Num: 149
Candidate Starts for GreenWeasel_31:
(Start: 149 @23247 has 110 MA's), (167, 23319), (174, 23355), (192, 23442), (202, 23475), (203, 23478), (221, 23559), (226, 23580), (230, 23604), (233, 23622), (245, 23670),

Gene: Greg_78 Start: 47568, Stop: 47056, Start Num: 139
Candidate Starts for Greg_78:
(51, 47742), (67, 47709), (Start: 110 @47625 has 2 MA's), (Start: 139 @47568 has 224 MA's), (Start: 157 @47526 has 5 MA's), (Start: 172 @47475 has 2 MA's), (173, 47466), (183, 47418), (214, 47295), (221, 47253), (264, 47067),

Gene: GroundGoblin_69 Start: 44921, Stop: 44409, Start Num: 139
Candidate Starts for GroundGoblin_69:

(51, 45095), (67, 45062), (Start: 110 @44978 has 2 MA's), (Start: 139 @44921 has 224 MA's), (Start: 157 @44879 has 5 MA's), (Start: 172 @44828 has 2 MA's), (173, 44819), (183, 44771), (214, 44648), (221, 44606), (264, 44420),

Gene: Groupthink_79 Start: 44816, Stop: 44307, Start Num: 143
Candidate Starts for Groupthink_79:
(Start: 143 @44816 has 18 MA's), (Start: 157 @44780 has 5 MA's), (Start: 172 @44729 has 2 MA's), (173, 44720), (186, 44654), (196, 44618), (208, 44570), (214, 44549), (225, 44489), (226, 44486), (232, 44447), (248, 44384), (259, 44339),

Gene: Gruunaga_77 Start: 44235, Stop: 43684, Start Num: 103
Candidate Starts for Gruunaga_77:
(Start: 103 @44235 has 9 MA's), (Start: 118 @44211 has 33 MA's), (Start: 125 @44199 has 201 MA's), (Start: 152 @44175 has 1 MA's), (Start: 172 @44112 has 2 MA's), (183, 44055), (208, 43953), (214, 43932), (226, 43869), (232, 43830), (248, 43776), (250, 43767), (265, 43704),

Gene: Gwendoluna_79 Start: 47881, Stop: 47369, Start Num: 139
Candidate Starts for Gwendoluna_79:
(51, 48055), (67, 48022), (Start: 110 @47938 has 2 MA's), (Start: 139 @47881 has 224 MA's), (Start: 157 @47839 has 5 MA's), (Start: 172 @47788 has 2 MA's), (173, 47779), (183, 47731), (214, 47608), (221, 47566), (264, 47380),

Gene: HINdeR_70 Start: 46802, Stop: 46296, Start Num: 131
Candidate Starts for HINdeR_70:
(Start: 131 @46802 has 59 MA's), (187, 46628), (196, 46595), (214, 46526), (219, 46502), (224, 46469), (232, 46430), (248, 46373), (259, 46328),

Gene: Haizum_29 Start: 23251, Stop: 23718, Start Num: 149
Candidate Starts for Haizum_29:
(Start: 115 @23206 has 1 MA's), (Start: 119 @23212 has 17 MA's), (128, 23227), (Start: 149 @23251 has 110 MA's), (167, 23323), (178, 23371), (186, 23416), (192, 23446), (203, 23482), (221, 23566), (225, 23584), (227, 23590),

Gene: Hami1_68 Start: 41281, Stop: 40769, Start Num: 139
Candidate Starts for Hami1_68:
(51, 41455), (67, 41422), (93, 41359), (Start: 110 @41338 has 2 MA's), (Start: 139 @41281 has 224 MA's), (Start: 157 @41239 has 5 MA's), (Start: 172 @41188 has 2 MA's), (173, 41179), (183, 41131), (214, 41008), (221, 40966),

Gene: Hammer_78 Start: 43942, Stop: 43391, Start Num: 103
Candidate Starts for Hammer_78:
(Start: 103 @43942 has 9 MA's), (Start: 118 @43918 has 33 MA's), (Start: 125 @43906 has 201 MA's), (Start: 152 @43882 has 1 MA's), (Start: 172 @43819 has 2 MA's), (183, 43762), (208, 43660), (214, 43639), (226, 43576), (232, 43537), (248, 43483), (250, 43474), (265, 43411),

Gene: Hank144_30 Start: 23619, Stop: 24077, Start Num: 149
Candidate Starts for Hank144_30:
(8, 23163), (36, 23370), (81, 23496), (86, 23505), (134, 23595), (Start: 149 @23619 has 110 MA's), (167, 23691), (178, 23739), (202, 23847), (203, 23850), (227, 23955),

Gene: Hanray_75 Start: 44771, Stop: 44235, Start Num: 125
Candidate Starts for Hanray_75:

(Start: 118 @44783 has 33 MA's), (Start: 125 @44771 has 201 MA's), (Start: 172 @44675 has 2 MA's), (173, 44666), (176, 44651), (183, 44618), (214, 44495), (216, 44480), (217, 44477), (225, 44435), (226, 44432), (242, 44354),

Gene: Harlequin_57 Start: 39912, Stop: 39388, Start Num: 125
Candidate Starts for Harlequin_57:
(Start: 125 @39912 has 201 MA's), (160, 39849), (186, 39735), (195, 39699), (204, 39672), (208, 39651), (214, 39630), (216, 39615), (225, 39570), (248, 39471), (250, 39462), (263, 39405),

Gene: HarryHoudini_76 Start: 45446, Stop: 44871, Start Num: 125
Candidate Starts for HarryHoudini_76:
(Start: 97 @45488 has 4 MA's), (107, 45476), (Start: 118 @45458 has 33 MA's), (Start: 125 @45446 has 201 MA's), (Start: 172 @45329 has 2 MA's), (173, 45320), (180, 45293), (183, 45272), (208, 45170), (221, 45104), (226, 45083), (232, 45044), (250, 44981),

Gene: HarryOW_76 Start: 48092, Stop: 47580, Start Num: 139
Candidate Starts for HarryOW_76:
(51, 48266), (67, 48233), (Start: 110 @48149 has 2 MA's), (Start: 139 @48092 has 224 MA's), (Start: 157 @48050 has 5 MA's), (Start: 172 @47999 has 2 MA's), (173, 47990), (183, 47942), (214, 47819), (221, 47777), (264, 47591),

Gene: HaveUMetTed_79 Start: 44804, Stop: 44295, Start Num: 143
Candidate Starts for HaveUMetTed_79:
(Start: 143 @44804 has 18 MA's), (Start: 157 @44768 has 5 MA's), (Start: 172 @44717 has 2 MA's), (173, 44708), (186, 44642), (196, 44606), (208, 44558), (214, 44537), (225, 44477), (226, 44474), (232, 44435), (248, 44372), (259, 44327),

Gene: Heffalump_73 Start: 45831, Stop: 45253, Start Num: 125
Candidate Starts for Heffalump_73:
(62, 45951), (Start: 97 @45873 has 4 MA's), (107, 45861), (Start: 118 @45843 has 33 MA's), (Start: 125 @45831 has 201 MA's), (Start: 172 @45714 has 2 MA's), (173, 45705), (183, 45657), (208, 45555), (226, 45468), (231, 45438), (232, 45429), (250, 45366),

Gene: HelDan_73 Start: 44622, Stop: 44110, Start Num: 131
Candidate Starts for HelDan_73:
(98, 44676), (Start: 131 @44622 has 59 MA's), (Start: 135 @44616 has 7 MA's), (Start: 172 @44523 has 2 MA's), (186, 44448), (187, 44445), (190, 44424), (197, 44400), (208, 44361), (212, 44346), (214, 44340), (232, 44244), (248, 44187), (259, 44142),

Gene: Heliosoles_76 Start: 44819, Stop: 44310, Start Num: 143
Candidate Starts for Heliosoles_76:
(Start: 143 @44819 has 18 MA's), (Start: 157 @44783 has 5 MA's), (Start: 172 @44732 has 2 MA's), (173, 44723), (186, 44657), (196, 44621), (208, 44573), (214, 44552), (225, 44492), (226, 44489), (232, 44450), (248, 44387), (259, 44342),

Gene: Helmet_80 Start: 44341, Stop: 43826, Start Num: 125
Candidate Starts for Helmet_80:
(Start: 103 @44377 has 9 MA's), (Start: 118 @44353 has 33 MA's), (Start: 125 @44341 has 201 MA's), (Start: 152 @44317 has 1 MA's), (Start: 172 @44254 has 2 MA's), (183, 44197), (208, 44095), (214, 44074), (226, 44011), (232, 43972), (248, 43918), (250, 43909), (265, 43846),

Gene: Herbertwm_72 Start: 45070, Stop: 44522, Start Num: 118
Candidate Starts for Herbertwm_72:

(93, 45109), (102, 45097), (Start: 118 @45070 has 33 MA's), (Start: 125 @45058 has 201 MA's), (Start: 172 @44953 has 2 MA's), (183, 44896), (199, 44830), (208, 44794), (214, 44773), (219, 44749), (222, 44728), (241, 44632), (258, 44569),

Gene: Hermia_70 Start: 44971, Stop: 44459, Start Num: 139
Candidate Starts for Hermia_70:
(51, 45145), (67, 45112), (Start: 110 @45028 has 2 MA's), (Start: 139 @44971 has 224 MA's), (Start: 157 @44929 has 5 MA's), (Start: 172 @44878 has 2 MA's), (173, 44869), (183, 44821), (214, 44698), (221, 44656), (264, 44470),

Gene: HermioneGrange_79 Start: 48356, Stop: 47844, Start Num: 139
Candidate Starts for HermioneGrange_79:
(Start: 110 @48413 has 2 MA's), (Start: 139 @48356 has 224 MA's), (Start: 157 @48314 has 5 MA's), (Start: 172 @48263 has 2 MA's), (173, 48254), (183, 48206), (208, 48104), (214, 48083), (221, 48041), (255, 47897), (264, 47855),

Gene: Hexamo_77 Start: 43911, Stop: 43360, Start Num: 103
Candidate Starts for Hexamo_77:
(Start: 103 @43911 has 9 MA's), (Start: 118 @43887 has 33 MA's), (Start: 125 @43875 has 201 MA's), (Start: 172 @43788 has 2 MA's), (183, 43731), (208, 43629), (214, 43608), (226, 43545), (232, 43506), (248, 43452), (250, 43443), (265, 43380),

Gene: Hippo_28 Start: 22881, Stop: 23333, Start Num: 149
Candidate Starts for Hippo_28:
(146, 22878), (Start: 149 @22881 has 110 MA's), (167, 22953), (175, 22992), (203, 23112), (213, 23151), (221, 23193), (227, 23217),

Gene: HippoHollow_73 Start: 46425, Stop: 45961, Start Num: 172
Candidate Starts for HippoHollow_73:
(Start: 97 @46584 has 4 MA's), (Start: 100 @46581 has 2 MA's), (107, 46572), (Start: 118 @46554 has 33 MA's), (Start: 125 @46542 has 201 MA's), (Start: 172 @46425 has 2 MA's), (173, 46416), (183, 46368), (208, 46266), (222, 46197), (226, 46179), (232, 46140), (248, 46086), (250, 46077), (258, 46014),

Gene: Hiro_58 Start: 40386, Stop: 39862, Start Num: 125
Candidate Starts for Hiro_58:
(Start: 125 @40386 has 201 MA's), (156, 40341), (160, 40323), (186, 40209), (195, 40173), (204, 40146), (208, 40125), (214, 40104), (223, 40056), (248, 39945), (250, 39936), (263, 39879),

Gene: Holex_75 Start: 44787, Stop: 44251, Start Num: 125
Candidate Starts for Holex_75:
(Start: 118 @44799 has 33 MA's), (Start: 125 @44787 has 201 MA's), (Start: 172 @44691 has 2 MA's), (173, 44682), (176, 44667), (183, 44634), (214, 44511), (216, 44496), (217, 44493), (225, 44451), (226, 44448), (242, 44370),

Gene: Homines_63 Start: 41301, Stop: 40789, Start Num: 139
Candidate Starts for Homines_63:
(51, 41475), (67, 41442), (93, 41379), (Start: 110 @41358 has 2 MA's), (Start: 139 @41301 has 224 MA's), (Start: 157 @41259 has 5 MA's), (Start: 172 @41208 has 2 MA's), (173, 41199), (183, 41151), (214, 41028), (221, 40986), (264, 40800),

Gene: Hoot_73 Start: 42029, Stop: 41514, Start Num: 125
Candidate Starts for Hoot_73:

(Start: 118 @42041 has 33 MA's), (Start: 125 @42029 has 201 MA's), (Start: 172 @41942 has 2 MA's), (173, 41933), (183, 41885), (208, 41783), (214, 41762), (218, 41741), (226, 41699), (232, 41660),

Gene: Hope4ever_76 Start: 46572, Stop: 46060, Start Num: 139
Candidate Starts for Hope4ever_76:
(51, 46746), (67, 46713), (Start: 110 @46629 has 2 MA's), (Start: 139 @46572 has 224 MA's), (Start: 157 @46530 has 5 MA's), (Start: 172 @46479 has 2 MA's), (173, 46470), (183, 46422), (208, 46320), (214, 46299), (221, 46257), (255, 46113), (264, 46071),

Gene: HortumSL17_78 Start: 44781, Stop: 44233, Start Num: 118
Candidate Starts for HortumSL17_78:
(Start: 118 @44781 has 33 MA's), (Start: 125 @44769 has 201 MA's), (Start: 172 @44673 has 2 MA's), (173, 44664), (176, 44649), (183, 44616), (214, 44493), (216, 44478), (217, 44475), (225, 44433), (226, 44430), (242, 44352), (258, 44283),

Gene: Houdini22_69 Start: 44172, Stop: 43660, Start Num: 131
Candidate Starts for Houdini22_69:
(Start: 131 @44172 has 59 MA's), (Start: 157 @44124 has 5 MA's), (Start: 172 @44073 has 2 MA's), (186, 43998), (190, 43974), (193, 43968), (196, 43962), (208, 43911), (214, 43890), (224, 43833), (232, 43794), (259, 43692),

Gene: HuhtaEnerson15_67 Start: 43392, Stop: 42862, Start Num: 130
Candidate Starts for HuhtaEnerson15_67:
(Start: 130 @43392 has 39 MA's), (203, 43140), (204, 43137), (208, 43116), (214, 43095), (249, 42936), (257, 42897),

Gene: HyRo_222 Start: 131397, Stop: 131909, Start Num: 139
Candidate Starts for HyRo_222:
(109, 131340), (Start: 139 @131397 has 224 MA's), (Start: 157 @131439 has 5 MA's), (Start: 172 @131490 has 2 MA's), (173, 131499), (183, 131547), (208, 131649), (214, 131670), (221, 131712), (264, 131898),

Gene: Hydra_31 Start: 23124, Stop: 23576, Start Num: 149
Candidate Starts for Hydra_31:
(11, 22719), (13, 22749), (14, 22755), (20, 22827), (22, 22836), (38, 22893), (39, 22896), (53, 22953), (61, 22968), (64, 22971), (66, 22974), (Start: 69 @22983 has 1 MA's), (71, 22986), (84, 23022), (105, 23055), (128, 23097), (Start: 149 @23124 has 110 MA's), (167, 23196), (203, 23355), (221, 23436), (233, 23499),

Gene: ILeeKay_73 Start: 44882, Stop: 44370, Start Num: 139
Candidate Starts for ILeeKay_73:
(93, 44960), (Start: 110 @44939 has 2 MA's), (Start: 139 @44882 has 224 MA's), (Start: 157 @44840 has 5 MA's), (Start: 172 @44789 has 2 MA's), (173, 44780), (183, 44732), (190, 44690), (214, 44609), (221, 44567), (264, 44381),

Gene: IMpilo_38 Start: 30984, Stop: 30448, Start Num: 119
Candidate Starts for IMpilo_38:
(15, 31287), (85, 31044), (Start: 119 @30984 has 17 MA's), (Start: 157 @30918 has 5 MA's), (Start: 172 @30867 has 2 MA's), (173, 30858), (183, 30810), (190, 30768), (214, 30687), (221, 30645), (264, 30459),

Gene: Ichabod_78 Start: 47129, Stop: 46617, Start Num: 139

Candidate Starts for Ichabod_78:
(51, 47303), (67, 47270), (Start: 110 @47186 has 2 MA's), (Start: 139 @47129 has 224 MA's), (Start: 157 @47087 has 5 MA's), (Start: 172 @47036 has 2 MA's), (173, 47027), (183, 46979), (214, 46856), (221, 46814), (264, 46628),

Gene: Idleandcovert_74 Start: 44692, Stop: 44180, Start Num: 131
Candidate Starts for Idleandcovert_74:
(129, 44701), (Start: 131 @44692 has 59 MA's), (Start: 135 @44686 has 7 MA's), (Start: 172 @44593 has 2 MA's), (186, 44518), (190, 44494), (193, 44488), (197, 44470), (208, 44431), (212, 44416), (214, 44410), (232, 44314), (248, 44257), (259, 44212),

Gene: IgnatiusPatJac_75 Start: 45747, Stop: 45235, Start Num: 139
Candidate Starts for IgnatiusPatJac_75:
(51, 45921), (67, 45888), (Start: 110 @45804 has 2 MA's), (Start: 139 @45747 has 224 MA's), (Start: 157 @45705 has 5 MA's), (Start: 172 @45654 has 2 MA's), (173, 45645), (183, 45597), (214, 45474), (221, 45432), (264, 45246),

Gene: Imbriano_74 Start: 45017, Stop: 44502, Start Num: 125
Candidate Starts for Imbriano_74:
(Start: 118 @45029 has 33 MA's), (Start: 125 @45017 has 201 MA's), (Start: 172 @44930 has 2 MA's), (173, 44921), (183, 44873), (208, 44771), (214, 44750), (218, 44729), (226, 44687), (232, 44648),

Gene: Indigo_28 Start: 22592, Stop: 23044, Start Num: 149
Candidate Starts for Indigo_28:
(20, 22295), (22, 22304), (38, 22361), (39, 22364), (53, 22421), (61, 22436), (64, 22439), (66, 22442), (Start: 69 @22451 has 1 MA's), (71, 22454), (84, 22490), (105, 22523), (128, 22565), (Start: 149 @22592 has 110 MA's), (167, 22664), (203, 22823), (221, 22904), (233, 22967),

Gene: Indra_81 Start: 44342, Stop: 43827, Start Num: 125
Candidate Starts for Indra_81:
(Start: 103 @44378 has 9 MA's), (Start: 118 @44354 has 33 MA's), (Start: 125 @44342 has 201 MA's), (Start: 152 @44318 has 1 MA's), (Start: 172 @44255 has 2 MA's), (183, 44198), (208, 44096), (214, 44075), (226, 44012), (232, 43973), (248, 43919), (250, 43910), (265, 43847),

Gene: Insomnia_77 Start: 45065, Stop: 44514, Start Num: 125
Candidate Starts for Insomnia_77:
(Start: 97 @45107 has 4 MA's), (Start: 118 @45077 has 33 MA's), (Start: 125 @45065 has 201 MA's), (141, 45038), (Start: 172 @44948 has 2 MA's), (176, 44924), (183, 44891), (208, 44789), (214, 44765), (216, 44750), (221, 44723), (226, 44702), (232, 44663), (258, 44564), (266, 44531),

Gene: Inyanga_67 Start: 45075, Stop: 44563, Start Num: 139
Candidate Starts for Inyanga_67:
(51, 45249), (67, 45216), (Start: 110 @45132 has 2 MA's), (Start: 139 @45075 has 224 MA's), (Start: 157 @45033 has 5 MA's), (Start: 172 @44982 has 2 MA's), (173, 44973), (183, 44925), (214, 44802), (221, 44760), (264, 44574),

Gene: Iqorha_67 Start: 45074, Stop: 44562, Start Num: 139
Candidate Starts for Iqorha_67:
(51, 45248), (67, 45215), (Start: 110 @45131 has 2 MA's), (Start: 139 @45074 has 224 MA's), (Start: 157 @45032 has 5 MA's), (Start: 172 @44981 has 2 MA's), (173, 44972), (183, 44924), (214, 44801), (221, 44759), (264, 44573),

Gene: Iracema64_70 Start: 44435, Stop: 43923, Start Num: 131
Candidate Starts for Iracema64_70:
(Start: 131 @44435 has 59 MA's), (Start: 157 @44387 has 5 MA's), (Start: 172 @44336 has 2 MA's), (186, 44261), (190, 44237), (193, 44231), (196, 44225), (208, 44174), (214, 44153), (224, 44096), (232, 44057), (259, 43955),

Gene: IronMan_73 Start: 46531, Stop: 45974, Start Num: 118
Candidate Starts for IronMan_73:
(Start: 118 @46531 has 33 MA's), (Start: 125 @46519 has 201 MA's), (Start: 172 @46402 has 2 MA's), (183, 46345), (208, 46243), (214, 46219), (232, 46117), (258, 46018),

Gene: Isiphiwo_75 Start: 44195, Stop: 43680, Start Num: 125
Candidate Starts for Isiphiwo_75:
(Start: 118 @44207 has 33 MA's), (Start: 125 @44195 has 201 MA's), (Start: 172 @44108 has 2 MA's), (173, 44099), (183, 44051), (208, 43949), (214, 43928), (218, 43907), (226, 43865), (232, 43826),

Gene: Issmi_30 Start: 23849, Stop: 24304, Start Num: 149
Candidate Starts for Issmi_30:
(96, 23774), (114, 23801), (Start: 149 @23849 has 110 MA's), (167, 23921), (178, 23969), (186, 24014), (192, 24044), (203, 24080), (221, 24161), (222, 24164), (233, 24224),

Gene: Itza_31 Start: 23578, Stop: 24030, Start Num: 149
Candidate Starts for Itza_31:
(Start: 149 @23578 has 110 MA's), (Start: 157 @23611 has 5 MA's), (167, 23650), (174, 23686), (178, 23698), (192, 23773), (203, 23809), (221, 23890), (227, 23914),

Gene: Iwokeuplikedis_77 Start: 45892, Stop: 45314, Start Num: 125
Candidate Starts for Iwokeuplikedis_77:
(Start: 125 @45892 has 201 MA's), (Start: 172 @45775 has 2 MA's), (173, 45766), (182, 45724), (183, 45718), (188, 45691), (208, 45616), (219, 45568), (221, 45550), (226, 45529), (232, 45490), (237, 45466), (250, 45427), (266, 45331),

Gene: Izzy_30 Start: 22996, Stop: 23448, Start Num: 149
Candidate Starts for Izzy_30:
(2, 22456), (4, 22486), (7, 22537), (9, 22564), (44, 22798), (105, 22927), (128, 22969), (Start: 149 @22996 has 110 MA's), (Start: 157 @23029 has 5 MA's), (167, 23068), (203, 23227), (221, 23308), (233, 23371),

Gene: JC27_76 Start: 46157, Stop: 45645, Start Num: 139
Candidate Starts for JC27_76:
(51, 46331), (67, 46298), (Start: 110 @46214 has 2 MA's), (Start: 139 @46157 has 224 MA's), (Start: 157 @46115 has 5 MA's), (Start: 172 @46064 has 2 MA's), (173, 46055), (183, 46007), (214, 45884), (221, 45842), (264, 45656),

Gene: JSwag_84 Start: 45440, Stop: 44919, Start Num: 125
Candidate Starts for JSwag_84:
(Start: 125 @45440 has 201 MA's), (Start: 157 @45395 has 5 MA's), (Start: 172 @45344 has 2 MA's), (173, 45335), (183, 45287), (208, 45185), (214, 45164), (240, 45026), (246, 45008), (250, 44996), (258, 44960),

Gene: Jaan_74 Start: 46696, Stop: 46139, Start Num: 118
Candidate Starts for Jaan_74:

(Start: 118 @46696 has 33 MA's), (Start: 125 @46684 has 201 MA's), (141, 46657), (Start: 152 @46630 has 1 MA's), (Start: 172 @46567 has 2 MA's), (173, 46558), (176, 46543), (183, 46510), (208, 46408), (214, 46384), (226, 46321), (232, 46282), (258, 46183),

Gene: Jabiru_71 Start: 43967, Stop: 43437, Start Num: 130
Candidate Starts for Jabiru_71:
(65, 44099), (78, 44066), (Start: 130 @43967 has 39 MA's), (147, 43937), (187, 43775), (192, 43751), (203, 43715), (208, 43691), (214, 43670), (246, 43517), (249, 43511), (257, 43472),

Gene: Jabith_77 Start: 45082, Stop: 44531, Start Num: 125
Candidate Starts for Jabith_77:
(Start: 97 @45124 has 4 MA's), (Start: 118 @45094 has 33 MA's), (Start: 125 @45082 has 201 MA's), (141, 45055), (Start: 172 @44965 has 2 MA's), (176, 44941), (183, 44908), (208, 44806), (214, 44782), (216, 44767), (221, 44740), (226, 44719), (232, 44680), (258, 44581), (266, 44548),

Gene: JackSparrow_76 Start: 45982, Stop: 45470, Start Num: 139
Candidate Starts for JackSparrow_76:
(51, 46156), (67, 46123), (Start: 110 @46039 has 2 MA's), (Start: 139 @45982 has 224 MA's), (Start: 157 @45940 has 5 MA's), (Start: 172 @45889 has 2 MA's), (173, 45880), (183, 45832), (214, 45709), (221, 45667), (264, 45481),

Gene: Jant_40 Start: 31355, Stop: 30819, Start Num: 119
Candidate Starts for Jant_40:
(Start: 119 @31355 has 17 MA's), (Start: 157 @31289 has 5 MA's), (Start: 172 @31238 has 2 MA's), (173, 31229), (183, 31181), (190, 31139), (214, 31058), (221, 31016), (264, 30830),

Gene: Janus_30 Start: 23552, Stop: 24010, Start Num: 149
Candidate Starts for Janus_30:
(6, 23087), (23, 23270), (40, 23327), (79, 23438), (83, 23450), (90, 23462), (Start: 115 @23507 has 1 MA's), (Start: 119 @23513 has 17 MA's), (121, 23516), (Start: 149 @23552 has 110 MA's), (167, 23624), (178, 23672), (192, 23747), (201, 23777), (203, 23783), (205, 23792), (221, 23864), (227, 23888), (233, 23927),

Gene: Jash_30 Start: 22949, Stop: 23401, Start Num: 149
Candidate Starts for Jash_30:
(2, 22409), (4, 22439), (5, 22472), (7, 22490), (9, 22517), (44, 22751), (105, 22880), (128, 22922), (Start: 149 @22949 has 110 MA's), (Start: 157 @22982 has 5 MA's), (167, 23021), (203, 23180), (221, 23261), (233, 23324),

Gene: Jasper_74 Start: 44734, Stop: 44222, Start Num: 139
Candidate Starts for Jasper_74:
(33, 44971), (51, 44908), (58, 44890), (67, 44875), (93, 44812), (Start: 110 @44791 has 2 MA's), (Start: 139 @44734 has 224 MA's), (Start: 157 @44692 has 5 MA's), (Start: 172 @44641 has 2 MA's), (173, 44632), (183, 44584), (214, 44461), (221, 44419), (264, 44233),

Gene: Jeeves_79 Start: 44610, Stop: 44083, Start Num: 125
Candidate Starts for Jeeves_79:
(Start: 125 @44610 has 201 MA's), (Start: 172 @44508 has 2 MA's), (176, 44484), (179, 44475), (183, 44451), (186, 44433), (208, 44349), (209, 44346), (214, 44328), (219, 44304), (241, 44190), (255, 44145), (258, 44127),

Gene: Jennelsea_33 Start: 27290, Stop: 26778, Start Num: 139
Candidate Starts for Jennelsea_33:

(Start: 139 @27290 has 224 MA's), (Start: 157 @27248 has 5 MA's), (Start: 172 @27197 has 2 MA's), (173, 27188), (183, 27140), (214, 27017), (221, 26975), (264, 26789),

Gene: JeppNRM_79 Start: 44817, Stop: 44308, Start Num: 143
Candidate Starts for JeppNRM_79:
(Start: 143 @44817 has 18 MA's), (Start: 157 @44781 has 5 MA's), (Start: 172 @44730 has 2 MA's), (173, 44721), (186, 44655), (196, 44619), (208, 44571), (214, 44550), (225, 44490), (226, 44487), (232, 44448), (248, 44385), (259, 44340),

Gene: Jerm_77 Start: 45848, Stop: 45261, Start Num: 118
Candidate Starts for Jerm_77:
(Start: 97 @45878 has 4 MA's), (107, 45866), (Start: 118 @45848 has 33 MA's), (Start: 125 @45836 has 201 MA's), (Start: 172 @45719 has 2 MA's), (173, 45710), (183, 45662), (208, 45560), (226, 45473), (232, 45434), (250, 45371),

Gene: Jerm2_77 Start: 48426, Stop: 47914, Start Num: 139
Candidate Starts for Jerm2_77:
(Start: 110 @48483 has 2 MA's), (Start: 139 @48426 has 224 MA's), (Start: 157 @48384 has 5 MA's), (Start: 172 @48333 has 2 MA's), (173, 48324), (183, 48276), (208, 48174), (214, 48153), (221, 48111), (255, 47967), (264, 47925),

Gene: Jester_57 Start: 39843, Stop: 39319, Start Num: 125
Candidate Starts for Jester_57:
(Start: 125 @39843 has 201 MA's), (160, 39780), (186, 39666), (195, 39630), (204, 39603), (208, 39582), (214, 39561), (216, 39546), (225, 39501), (248, 39402), (250, 39393), (263, 39336),

Gene: Jevington_31 Start: 23905, Stop: 24363, Start Num: 149
Candidate Starts for Jevington_31:
(Start: 149 @23905 has 110 MA's), (167, 23977), (178, 24025), (190, 24097), (192, 24100), (203, 24136), (221, 24217), (226, 24238),

Gene: Jhitchelle_29 Start: 23828, Stop: 24283, Start Num: 149
Candidate Starts for Jhitchelle_29:
(Start: 118 @23771 has 33 MA's), (123, 23783), (136, 23804), (Start: 149 @23828 has 110 MA's), (158, 23864), (167, 23900), (175, 23939), (203, 24059), (205, 24068), (221, 24146), (226, 24167), (227, 24170),

Gene: Jiawan_74 Start: 44803, Stop: 44267, Start Num: 125
Candidate Starts for Jiawan_74:
(Start: 118 @44815 has 33 MA's), (Start: 125 @44803 has 201 MA's), (Start: 172 @44707 has 2 MA's), (173, 44698), (176, 44683), (183, 44650), (214, 44527), (216, 44512), (217, 44509), (225, 44467), (226, 44464), (242, 44386),

Gene: Jobu08_75 Start: 44833, Stop: 44324, Start Num: 143
Candidate Starts for Jobu08_75:
(Start: 143 @44833 has 18 MA's), (Start: 157 @44797 has 5 MA's), (Start: 172 @44746 has 2 MA's), (173, 44737), (186, 44671), (196, 44635), (208, 44587), (214, 44566), (225, 44506), (226, 44503), (232, 44464), (248, 44401), (259, 44356),

Gene: JoongJeon_69 Start: 44165, Stop: 43653, Start Num: 131
Candidate Starts for JoongJeon_69:
(Start: 131 @44165 has 59 MA's), (Start: 157 @44117 has 5 MA's), (Start: 172 @44066 has 2 MA's), (186, 43991), (190, 43967), (193, 43961), (196, 43955), (208, 43904), (214, 43883), (224, 43826),

(232, 43787), (259, 43685),

Gene: Jordennis_76 Start: 44422, Stop: 43895, Start Num: 118
Candidate Starts for Jordennis_76:
(Start: 118 @44422 has 33 MA's), (Start: 125 @44410 has 201 MA's), (Start: 172 @44323 has 2 MA's), (173, 44314), (183, 44266), (208, 44164), (214, 44143), (218, 44122), (226, 44080), (232, 44041),

Gene: Jorgensen_82 Start: 48016, Stop: 47504, Start Num: 139
Candidate Starts for Jorgensen_82:
(51, 48190), (67, 48157), (Start: 110 @48073 has 2 MA's), (Start: 139 @48016 has 224 MA's), (Start: 157 @47974 has 5 MA's), (Start: 172 @47923 has 2 MA's), (173, 47914), (183, 47866), (214, 47743), (221, 47701), (264, 47515),

Gene: Joselito_77 Start: 45102, Stop: 44551, Start Num: 125
Candidate Starts for Joselito_77:
(Start: 97 @45144 has 4 MA's), (Start: 118 @45114 has 33 MA's), (Start: 125 @45102 has 201 MA's), (141, 45075), (Start: 172 @44985 has 2 MA's), (176, 44961), (183, 44928), (208, 44826), (214, 44802), (216, 44787), (221, 44760), (226, 44739), (232, 44700), (258, 44601), (266, 44568),

Gene: JoshKayV_76 Start: 45870, Stop: 45292, Start Num: 125
Candidate Starts for JoshKayV_76:
(Start: 125 @45870 has 201 MA's), (Start: 172 @45753 has 2 MA's), (173, 45744), (183, 45696), (208, 45594), (232, 45468), (250, 45405),

Gene: Journey13_65 Start: 42021, Stop: 41458, Start Num: 118
Candidate Starts for Journey13_65:
(Start: 118 @42021 has 33 MA's), (Start: 125 @42009 has 201 MA's), (141, 41982), (155, 41949), (Start: 157 @41943 has 5 MA's), (176, 41868), (208, 41733), (214, 41709), (220, 41682), (221, 41667), (226, 41646), (232, 41607), (248, 41553), (250, 41544),

Gene: Jovo_70 Start: 44074, Stop: 43544, Start Num: 130
Candidate Starts for Jovo_70:
(126, 44080), (Start: 130 @44074 has 39 MA's), (203, 43822), (204, 43819), (208, 43798), (214, 43777), (246, 43624), (249, 43618), (257, 43579),

Gene: Jsquared_79 Start: 44953, Stop: 44402, Start Num: 125
Candidate Starts for Jsquared_79:
(Start: 100 @44992 has 2 MA's), (Start: 118 @44965 has 33 MA's), (Start: 125 @44953 has 201 MA's), (141, 44926), (173, 44827), (176, 44812), (183, 44779), (208, 44677), (210, 44671), (214, 44653), (220, 44626), (221, 44611), (226, 44590), (232, 44551), (250, 44488),

Gene: Juice456_41 Start: 32453, Stop: 31941, Start Num: 139
Candidate Starts for Juice456_41:
(78, 32564), (Start: 139 @32453 has 224 MA's), (Start: 157 @32411 has 5 MA's), (Start: 172 @32360 has 2 MA's), (173, 32351), (183, 32303), (214, 32180), (221, 32138), (264, 31952),

Gene: JuliaChild_76 Start: 46975, Stop: 46463, Start Num: 139
Candidate Starts for JuliaChild_76:
(51, 47149), (67, 47116), (Start: 110 @47032 has 2 MA's), (Start: 139 @46975 has 224 MA's), (Start: 157 @46933 has 5 MA's), (Start: 172 @46882 has 2 MA's), (173, 46873), (183, 46825), (208, 46723), (214, 46702), (221, 46660), (255, 46516), (264, 46474),

Gene: JulietS_42 Start: 13163, Stop: 13675, Start Num: 139
Candidate Starts for JulietS_42:
(46, 12974), (Start: 131 @13151 has 59 MA's), (Start: 139 @13163 has 224 MA's), (Start: 157 @13205 has 5 MA's), (Start: 172 @13256 has 2 MA's), (173, 13265), (183, 13313), (190, 13355), (214, 13436), (221, 13478), (264, 13664),

Gene: KBG_73 Start: 47323, Stop: 46787, Start Num: 139
Candidate Starts for KBG_73:
(51, 47497), (67, 47464), (Start: 110 @47380 has 2 MA's), (Start: 139 @47323 has 224 MA's), (Start: 157 @47281 has 5 MA's), (Start: 172 @47230 has 2 MA's), (173, 47221), (183, 47173), (214, 47050), (221, 47008), (234, 46930),

Gene: KSSJEB_72 Start: 45207, Stop: 44695, Start Num: 139
Candidate Starts for KSSJEB_72:
(51, 45381), (58, 45363), (67, 45348), (Start: 110 @45264 has 2 MA's), (Start: 139 @45207 has 224 MA's), (Start: 157 @45165 has 5 MA's), (Start: 172 @45114 has 2 MA's), (173, 45105), (183, 45057), (214, 44934), (221, 44892), (264, 44706),

Gene: Kachowdy_74 Start: 44658, Stop: 44146, Start Num: 131
Candidate Starts for Kachowdy_74:
(Start: 131 @44658 has 59 MA's), (Start: 135 @44652 has 7 MA's), (Start: 172 @44559 has 2 MA's), (186, 44484), (187, 44481), (190, 44460), (197, 44436), (208, 44397), (212, 44382), (214, 44376), (232, 44280), (248, 44223), (259, 44178),

Gene: Kaine_30 Start: 24008, Stop: 24463, Start Num: 149
Candidate Starts for Kaine_30:
(Start: 149 @24008 has 110 MA's), (154, 24026), (167, 24080), (178, 24128), (203, 24239), (221, 24326), (227, 24350),

Gene: Kalah2_189 Start: 98070, Stop: 97558, Start Num: 139
Candidate Starts for Kalah2_189:
(21, 98361), (57, 98232), (83, 98175), (88, 98166), (128, 98094), (Start: 137 @98073 has 3 MA's), (Start: 139 @98070 has 224 MA's), (Start: 157 @98028 has 5 MA's), (Start: 172 @97977 has 2 MA's), (173, 97968), (183, 97920), (190, 97878), (214, 97797), (221, 97755), (264, 97569),

Gene: Kalnoky_79 Start: 44813, Stop: 44304, Start Num: 143
Candidate Starts for Kalnoky_79:
(Start: 143 @44813 has 18 MA's), (Start: 157 @44777 has 5 MA's), (Start: 172 @44726 has 2 MA's), (173, 44717), (186, 44651), (196, 44615), (208, 44567), (214, 44546), (225, 44486), (226, 44483), (232, 44444), (248, 44381), (259, 44336),

Gene: Kalpine_75 Start: 45776, Stop: 45198, Start Num: 125
Candidate Starts for Kalpine_75:
(Start: 97 @45818 has 4 MA's), (Start: 118 @45788 has 33 MA's), (Start: 125 @45776 has 201 MA's), (Start: 172 @45659 has 2 MA's), (173, 45650), (180, 45623), (183, 45602), (200, 45533), (208, 45500), (211, 45491), (222, 45431), (226, 45413), (232, 45374),

Gene: Kampy_69 Start: 44173, Stop: 43661, Start Num: 131
Candidate Starts for Kampy_69:
(Start: 131 @44173 has 59 MA's), (Start: 157 @44125 has 5 MA's), (Start: 172 @44074 has 2 MA's), (186, 43999), (190, 43975), (196, 43963), (208, 43912), (214, 43891), (224, 43834), (246, 43741), (259, 43693),

Gene: Kanely_77 Start: 47063, Stop: 46551, Start Num: 139
Candidate Starts for Kanely_77:
(51, 47237), (67, 47204), (Start: 110 @47120 has 2 MA's), (Start: 139 @47063 has 224 MA's), (Start: 157 @47021 has 5 MA's), (Start: 172 @46970 has 2 MA's), (173, 46961), (183, 46913), (208, 46811), (214, 46790), (221, 46748), (255, 46604), (264, 46562),

Gene: Katalie_29 Start: 23149, Stop: 23601, Start Num: 149
Candidate Starts for Katalie_29:
(114, 23095), (Start: 149 @23149 has 110 MA's), (167, 23221), (203, 23380), (215, 23428), (216, 23434), (219, 23443), (221, 23461), (227, 23485),

Gene: KatherineG_84 Start: 45752, Stop: 45231, Start Num: 125
Candidate Starts for KatherineG_84:
(Start: 125 @45752 has 201 MA's), (Start: 157 @45707 has 5 MA's), (Start: 172 @45656 has 2 MA's), (173, 45647), (183, 45599), (208, 45497), (214, 45476), (240, 45338), (246, 45320), (250, 45308), (258, 45272),

Gene: Kazan_79 Start: 44184, Stop: 43669, Start Num: 125
Candidate Starts for Kazan_79:
(Start: 118 @44196 has 33 MA's), (Start: 125 @44184 has 201 MA's), (Start: 172 @44097 has 2 MA's), (173, 44088), (183, 44040), (208, 43938), (214, 43917), (218, 43896), (226, 43854), (232, 43815),

Gene: KekoraPapaka_67 Start: 44123, Stop: 43659, Start Num: 157
Candidate Starts for KekoraPapaka_67:
(Start: 131 @44171 has 59 MA's), (Start: 157 @44123 has 5 MA's), (Start: 172 @44072 has 2 MA's), (186, 43997), (190, 43973), (193, 43967), (196, 43961), (208, 43910), (214, 43889), (224, 43832), (232, 43793), (246, 43739), (259, 43691),

Gene: Kenuha5_35 Start: 30267, Stop: 29755, Start Num: 139
Candidate Starts for Kenuha5_35:
(106, 30321), (Start: 139 @30267 has 224 MA's), (Start: 157 @30225 has 5 MA's), (Start: 172 @30174 has 2 MA's), (173, 30165), (183, 30117), (190, 30075), (214, 29994), (221, 29952), (264, 29766),

Gene: Kerberos_78 Start: 45877, Stop: 45332, Start Num: 125
Candidate Starts for Kerberos_78:
(Start: 118 @45889 has 33 MA's), (Start: 125 @45877 has 201 MA's), (Start: 172 @45760 has 2 MA's), (173, 45751), (176, 45736), (183, 45703), (208, 45601), (210, 45595), (214, 45577), (220, 45550), (221, 45535), (222, 45532), (225, 45517), (232, 45475), (248, 45421), (255, 45394), (258, 45376),

Gene: Keziacharles14_74 Start: 45393, Stop: 44857, Start Num: 125
Candidate Starts for Keziacharles14_74:
(Start: 125 @45393 has 201 MA's), (160, 45336), (Start: 172 @45297 has 2 MA's), (176, 45273), (183, 45240), (214, 45117), (217, 45099), (225, 45057), (226, 45054), (242, 44976), (248, 44955),

Gene: KikiBouba_71 Start: 44780, Stop: 44268, Start Num: 139
Candidate Starts for KikiBouba_71:
(51, 44954), (67, 44921), (Start: 110 @44837 has 2 MA's), (Start: 139 @44780 has 224 MA's), (Start: 157 @44738 has 5 MA's), (Start: 172 @44687 has 2 MA's), (173, 44678), (183, 44630), (214, 44507), (221, 44465), (264, 44279),

Gene: Killigrew_72 Start: 45573, Stop: 45061, Start Num: 139

Candidate Starts for Killigrew_72:
(51, 45747), (67, 45714), (Start: 110 @45630 has 2 MA's), (Start: 139 @45573 has 224 MA's), (Start: 157 @45531 has 5 MA's), (Start: 172 @45480 has 2 MA's), (173, 45471), (183, 45423), (214, 45300), (221, 45258), (264, 45072),

Gene: Kimba_76 Start: 44602, Stop: 44051, Start Num: 125
Candidate Starts for Kimba_76:
(Start: 97 @44644 has 4 MA's), (Start: 118 @44614 has 33 MA's), (Start: 125 @44602 has 201 MA's), (141, 44575), (Start: 172 @44485 has 2 MA's), (176, 44461), (183, 44428), (208, 44326), (214, 44302), (216, 44287), (221, 44260), (226, 44239), (232, 44200), (258, 44101), (266, 44068),

Gene: Kimona_69 Start: 43171, Stop: 42665, Start Num: 132
Candidate Starts for Kimona_69:
(Start: 132 @43171 has 3 MA's), (173, 43066), (183, 43018), (186, 43000), (187, 42997), (196, 42964), (208, 42916), (214, 42895), (219, 42871), (224, 42838), (237, 42772), (248, 42742), (259, 42697),

Gene: KingCyrus_75 Start: 46852, Stop: 46277, Start Num: 125
Candidate Starts for KingCyrus_75:
(62, 46972), (Start: 97 @46894 has 4 MA's), (107, 46882), (Start: 118 @46864 has 33 MA's), (Start: 125 @46852 has 201 MA's), (Start: 172 @46735 has 2 MA's), (173, 46726), (183, 46678), (208, 46576), (226, 46489), (232, 46450), (241, 46414), (250, 46387), (258, 46324),

Gene: KingJulian_39 Start: 31351, Stop: 30839, Start Num: 139
Candidate Starts for KingJulian_39:
(78, 31462), (Start: 139 @31351 has 224 MA's), (Start: 157 @31309 has 5 MA's), (Start: 172 @31258 has 2 MA's), (173, 31249), (183, 31201), (214, 31078), (221, 31036), (264, 30850),

Gene: Kinmap_79 Start: 44103, Stop: 43600, Start Num: 148
Candidate Starts for Kinmap_79:
(Start: 125 @44121 has 201 MA's), (148, 44103), (Start: 172 @44022 has 2 MA's), (173, 44013), (183, 43965), (186, 43947), (199, 43899), (214, 43842), (216, 43827), (222, 43797), (226, 43779), (255, 43656), (258, 43638),

Gene: Kipper29_78 Start: 44197, Stop: 43682, Start Num: 125
Candidate Starts for Kipper29_78:
(Start: 118 @44209 has 33 MA's), (Start: 125 @44197 has 201 MA's), (Start: 172 @44110 has 2 MA's), (173, 44101), (183, 44053), (208, 43951), (214, 43930), (218, 43909), (226, 43867), (232, 43828),

Gene: KittenMittens_67 Start: 43144, Stop: 42638, Start Num: 133
Candidate Starts for KittenMittens_67:
(Start: 100 @43207 has 2 MA's), (111, 43192), (Start: 133 @43144 has 10 MA's), (Start: 135 @43141 has 7 MA's), (Start: 172 @43048 has 2 MA's), (183, 42991), (186, 42973), (190, 42949), (208, 42889), (214, 42868), (240, 42736), (259, 42670), (264, 42649),

Gene: Klodlith_72 Start: 43951, Stop: 43418, Start Num: 125
Candidate Starts for Klodlith_72:
(Start: 125 @43951 has 201 MA's), (Start: 172 @43855 has 2 MA's), (176, 43831), (183, 43798), (214, 43675), (216, 43660), (217, 43657), (226, 43612), (241, 43537), (243, 43531), (246, 43516), (248, 43513), (250, 43504),

Gene: Koduck_77 Start: 44729, Stop: 44178, Start Num: 125
Candidate Starts for Koduck_77:

(Start: 118 @44741 has 33 MA's), (Start: 125 @44729 has 201 MA's), (141, 44702), (173, 44603), (176, 44588), (183, 44555), (208, 44453), (210, 44447), (214, 44429), (220, 44402), (221, 44387), (226, 44366), (232, 44327), (250, 44264),

Gene: Koguma_43 Start: 13506, Stop: 14018, Start Num: 139
Candidate Starts for Koguma_43:
(46, 13317), (Start: 131 @13494 has 59 MA's), (Start: 139 @13506 has 224 MA's), (Start: 157 @13548 has 5 MA's), (Start: 172 @13599 has 2 MA's), (173, 13608), (183, 13656), (190, 13698), (214, 13779), (221, 13821), (264, 14007),

Gene: Koko_79 Start: 44730, Stop: 44215, Start Num: 125
Candidate Starts for Koko_79:
(Start: 103 @44766 has 9 MA's), (Start: 118 @44742 has 33 MA's), (Start: 125 @44730 has 201 MA's), (Start: 172 @44643 has 2 MA's), (183, 44586), (208, 44484), (214, 44463), (226, 44400), (232, 44361), (248, 44307), (250, 44298), (265, 44235),

Gene: Kratark_69 Start: 44205, Stop: 43693, Start Num: 131
Candidate Starts for Kratark_69:
(Start: 131 @44205 has 59 MA's), (Start: 157 @44157 has 5 MA's), (Start: 172 @44106 has 2 MA's), (186, 44031), (190, 44007), (193, 44001), (196, 43995), (208, 43944), (214, 43923), (224, 43866), (232, 43827), (259, 43725),

Gene: Krishelle_58 Start: 40495, Stop: 39971, Start Num: 125
Candidate Starts for Krishelle_58:
(Start: 125 @40495 has 201 MA's), (156, 40450), (160, 40432), (186, 40318), (195, 40282), (204, 40255), (208, 40234), (214, 40213), (216, 40198), (222, 40168), (223, 40165), (226, 40150), (248, 40054), (250, 40045), (263, 39988),

Gene: KristaRAM_40 Start: 32001, Stop: 31465, Start Num: 119
Candidate Starts for KristaRAM_40:
(Start: 119 @32001 has 17 MA's), (Start: 157 @31935 has 5 MA's), (Start: 172 @31884 has 2 MA's), (173, 31875), (183, 31827), (190, 31785), (214, 31704), (221, 31662), (264, 31476),

Gene: Kristoff_69 Start: 44449, Stop: 43943, Start Num: 135
Candidate Starts for Kristoff_69:
(Start: 100 @44515 has 2 MA's), (111, 44500), (Start: 133 @44452 has 10 MA's), (Start: 135 @44449 has 7 MA's), (Start: 172 @44353 has 2 MA's), (176, 44329), (183, 44296), (186, 44278), (190, 44254), (208, 44194), (214, 44173), (224, 44116), (232, 44077), (240, 44041), (259, 43975), (264, 43954),

Gene: Kugel_77 Start: 47215, Stop: 46703, Start Num: 139
Candidate Starts for Kugel_77:
(51, 47389), (67, 47356), (Start: 110 @47272 has 2 MA's), (Start: 139 @47215 has 224 MA's), (Start: 157 @47173 has 5 MA's), (Start: 172 @47122 has 2 MA's), (173, 47113), (183, 47065), (190, 47023), (214, 46942), (221, 46900), (264, 46714),

Gene: KyMonks1A_81 Start: 47684, Stop: 47172, Start Num: 139
Candidate Starts for KyMonks1A_81:
(51, 47858), (67, 47825), (Start: 110 @47741 has 2 MA's), (Start: 139 @47684 has 224 MA's), (Start: 157 @47642 has 5 MA's), (Start: 172 @47591 has 2 MA's), (173, 47582), (183, 47534), (208, 47432), (214, 47411), (221, 47369), (255, 47225), (264, 47183),

Gene: Kyee_70 Start: 44166, Stop: 43654, Start Num: 131
Candidate Starts for Kyee_70:

(Start: 131 @44166 has 59 MA's), (Start: 157 @44118 has 5 MA's), (Start: 172 @44067 has 2 MA's), (186, 43992), (190, 43968), (193, 43962), (196, 43956), (208, 43905), (214, 43884), (224, 43827), (232, 43788), (259, 43686),

Gene: Kykar_75 Start: 46261, Stop: 45749, Start Num: 139
Candidate Starts for Kykar_75:
(55, 46420), (Start: 110 @46318 has 2 MA's), (Start: 139 @46261 has 224 MA's), (Start: 157 @46219 has 5 MA's), (Start: 172 @46168 has 2 MA's), (173, 46159), (183, 46111), (214, 45988), (221, 45946), (264, 45760),

Gene: L5_71 Start: 44882, Stop: 44331, Start Num: 125
Candidate Starts for L5_71:
(Start: 118 @44894 has 33 MA's), (Start: 125 @44882 has 201 MA's), (141, 44855), (173, 44756), (176, 44741), (183, 44708), (208, 44606), (210, 44600), (214, 44582), (220, 44555), (221, 44540), (226, 44519), (232, 44480), (250, 44417),

Gene: LRRHood_44 Start: 15429, Stop: 15941, Start Num: 139
Candidate Starts for LRRHood_44:
(46, 15240), (Start: 131 @15417 has 59 MA's), (Start: 139 @15429 has 224 MA's), (Start: 157 @15471 has 5 MA's), (Start: 172 @15522 has 2 MA's), (173, 15531), (183, 15579), (214, 15702), (221, 15744), (264, 15930),

Gene: LadyBird_79 Start: 46012, Stop: 45491, Start Num: 152
Candidate Starts for LadyBird_79:
(Start: 125 @46066 has 201 MA's), (Start: 152 @46012 has 1 MA's), (Start: 172 @45949 has 2 MA's), (173, 45940), (180, 45913), (183, 45892), (184, 45886), (186, 45874), (208, 45790), (211, 45781), (226, 45703), (232, 45664), (260, 45535),

Gene: Lamina13_79 Start: 48707, Stop: 48195, Start Num: 139
Candidate Starts for Lamina13_79:
(51, 48881), (67, 48848), (Start: 110 @48764 has 2 MA's), (Start: 139 @48707 has 224 MA's), (Start: 157 @48665 has 5 MA's), (Start: 172 @48614 has 2 MA's), (173, 48605), (183, 48557), (208, 48455), (214, 48434), (221, 48392), (255, 48248), (264, 48206),

Gene: Landor_74 Start: 46607, Stop: 46062, Start Num: 125
Candidate Starts for Landor_74:
(Start: 118 @46619 has 33 MA's), (Start: 125 @46607 has 201 MA's), (Start: 172 @46490 has 2 MA's), (183, 46433), (193, 46385), (208, 46331), (226, 46244), (232, 46205), (258, 46106),

Gene: Lannister_31 Start: 23641, Stop: 24093, Start Num: 149
Candidate Starts for Lannister_31:
(105, 23569), (120, 23596), (Start: 139 @23623 has 224 MA's), (Start: 149 @23641 has 110 MA's), (167, 23713), (203, 23872), (221, 23953),

Gene: Larenn_72 Start: 45147, Stop: 44536, Start Num: 97
Candidate Starts for Larenn_72:
(32, 45318), (45, 45267), (Start: 97 @45147 has 4 MA's), (Start: 118 @45117 has 33 MA's), (Start: 125 @45105 has 201 MA's), (Start: 172 @44988 has 2 MA's), (173, 44979), (180, 44952), (183, 44931), (193, 44883), (208, 44829), (226, 44742), (232, 44703), (250, 44640), (256, 44598),

Gene: LastResort_82 Start: 45683, Stop: 45162, Start Num: 125
Candidate Starts for LastResort_82:

(Start: 125 @45683 has 201 MA's), (Start: 157 @45638 has 5 MA's), (Start: 172 @45587 has 2 MA's), (173, 45578), (183, 45530), (208, 45428), (214, 45407), (240, 45269), (246, 45251), (250, 45239), (258, 45203),

Gene: Legacy_29 Start: 22567, Stop: 23019, Start Num: 149
Candidate Starts for Legacy_29:
(11, 22162), (13, 22192), (14, 22198), (20, 22270), (22, 22279), (38, 22336), (39, 22339), (53, 22396), (61, 22411), (64, 22414), (66, 22417), (Start: 69 @22426 has 1 MA's), (71, 22429), (84, 22465), (105, 22498), (128, 22540), (Start: 149 @22567 has 110 MA's), (167, 22639), (203, 22798), (221, 22879), (233, 22942),

Gene: LeoAvram_69 Start: 44201, Stop: 43689, Start Num: 131
Candidate Starts for LeoAvram_69:
(Start: 131 @44201 has 59 MA's), (Start: 157 @44153 has 5 MA's), (Start: 172 @44102 has 2 MA's), (186, 44027), (190, 44003), (196, 43991), (208, 43940), (214, 43919), (224, 43862), (246, 43769), (259, 43721),

Gene: Leogania_74 Start: 45788, Stop: 45216, Start Num: 125
Candidate Starts for Leogania_74:
(Start: 118 @45800 has 33 MA's), (Start: 125 @45788 has 201 MA's), (141, 45761), (Start: 172 @45671 has 2 MA's), (183, 45614), (188, 45587), (208, 45512), (221, 45446), (226, 45425), (232, 45386), (248, 45332), (258, 45260),

Gene: Lesedi_72 Start: 44841, Stop: 44329, Start Num: 139
Candidate Starts for Lesedi_72:
(51, 45015), (67, 44982), (Start: 110 @44898 has 2 MA's), (Start: 139 @44841 has 224 MA's), (Start: 157 @44799 has 5 MA's), (Start: 172 @44748 has 2 MA's), (173, 44739), (183, 44691), (208, 44589), (214, 44568), (221, 44526), (264, 44340),

Gene: Lev2_70 Start: 43706, Stop: 43176, Start Num: 130
Candidate Starts for Lev2_70:
(126, 43712), (Start: 130 @43706 has 39 MA's), (203, 43454), (204, 43451), (208, 43430), (214, 43409), (246, 43256), (249, 43250), (257, 43211),

Gene: Levia_69 Start: 44379, Stop: 43867, Start Num: 139
Candidate Starts for Levia_69:
(51, 44553), (67, 44520), (93, 44457), (Start: 110 @44436 has 2 MA's), (Start: 139 @44379 has 224 MA's), (Start: 157 @44337 has 5 MA's), (Start: 172 @44286 has 2 MA's), (173, 44277), (183, 44229), (214, 44106), (221, 44064), (264, 43878),

Gene: Leviathan_77 Start: 45902, Stop: 45327, Start Num: 125
Candidate Starts for Leviathan_77:
(Start: 97 @45944 has 4 MA's), (107, 45932), (Start: 118 @45914 has 33 MA's), (Start: 125 @45902 has 201 MA's), (Start: 172 @45785 has 2 MA's), (173, 45776), (183, 45728), (208, 45626), (226, 45539), (232, 45500), (250, 45437),

Gene: Leviticus_29 Start: 22596, Stop: 23048, Start Num: 149
Candidate Starts for Leviticus_29:
(18, 22287), (20, 22299), (21, 22305), (22, 22308), (38, 22365), (39, 22368), (53, 22425), (61, 22440), (64, 22443), (66, 22446), (Start: 69 @22455 has 1 MA's), (71, 22458), (84, 22494), (105, 22527), (128, 22569), (Start: 149 @22596 has 110 MA's), (167, 22668), (203, 22827), (221, 22908), (233, 22971),

Gene: Licorice_76 Start: 48364, Stop: 47852, Start Num: 139

Candidate Starts for Licorice_76:
(51, 48538), (67, 48505), (Start: 110 @48421 has 2 MA's), (Start: 139 @48364 has 224 MA's), (Start: 157 @48322 has 5 MA's), (Start: 172 @48271 has 2 MA's), (173, 48262), (183, 48214), (214, 48091), (221, 48049), (264, 47863),

Gene: Lika_29 Start: 23420, Stop: 23872, Start Num: 149
Candidate Starts for Lika_29:
(121, 23378), (Start: 149 @23420 has 110 MA's), (167, 23492), (186, 23585), (203, 23651), (207, 23672), (219, 23714), (221, 23732), (227, 23756),

Gene: LilBib_72 Start: 46594, Stop: 46082, Start Num: 139
Candidate Starts for LilBib_72:
(Start: 110 @46651 has 2 MA's), (Start: 139 @46594 has 224 MA's), (Start: 157 @46552 has 5 MA's), (Start: 172 @46501 has 2 MA's), (173, 46492), (183, 46444), (214, 46321), (221, 46279), (264, 46093),

Gene: LilTurb_76 Start: 45716, Stop: 45141, Start Num: 125
Candidate Starts for LilTurb_76:
(Start: 97 @45758 has 4 MA's), (107, 45746), (Start: 118 @45728 has 33 MA's), (Start: 125 @45716 has 201 MA's), (Start: 172 @45599 has 2 MA's), (173, 45590), (183, 45542), (208, 45440), (226, 45353), (232, 45314), (250, 45251),

Gene: Lilleskat_74 Start: 44728, Stop: 44192, Start Num: 125
Candidate Starts for Lilleskat_74:
(Start: 118 @44740 has 33 MA's), (Start: 125 @44728 has 201 MA's), (Start: 172 @44632 has 2 MA's), (173, 44623), (176, 44608), (183, 44575), (214, 44452), (216, 44437), (217, 44434), (225, 44392), (226, 44389), (242, 44311),

Gene: Lillie_58 Start: 40126, Stop: 39602, Start Num: 125
Candidate Starts for Lillie_58:
(Start: 125 @40126 has 201 MA's), (156, 40081), (160, 40063), (186, 39949), (195, 39913), (204, 39886), (208, 39865), (214, 39844), (216, 39829), (222, 39799), (223, 39796), (226, 39781), (248, 39685), (250, 39676), (263, 39619),

Gene: LionsBait_75 Start: 46541, Stop: 45960, Start Num: 125
Candidate Starts for LionsBait_75:
(Start: 97 @46583 has 4 MA's), (Start: 100 @46580 has 2 MA's), (107, 46571), (Start: 118 @46553 has 33 MA's), (Start: 125 @46541 has 201 MA's), (Start: 172 @46424 has 2 MA's), (173, 46415), (183, 46367), (208, 46265), (222, 46196), (226, 46178), (232, 46139), (248, 46085), (250, 46076),

Gene: LittleCherry_68 Start: 43262, Stop: 42732, Start Num: 130
Candidate Starts for LittleCherry_68:
(Start: 130 @43262 has 39 MA's), (203, 43010), (204, 43007), (208, 42986), (214, 42965), (249, 42806), (257, 42767),

Gene: LittleE_195 Start: 96949, Stop: 96437, Start Num: 139
Candidate Starts for LittleE_195:
(17, 97282), (21, 97240), (57, 97111), (83, 97054), (88, 97045), (128, 96973), (Start: 137 @96952 has 3 MA's), (Start: 139 @96949 has 224 MA's), (Start: 157 @96907 has 5 MA's), (Start: 172 @96856 has 2 MA's), (173, 96847), (183, 96799), (190, 96757), (214, 96676), (221, 96634), (264, 96448),

Gene: LochMonster_71 Start: 44407, Stop: 43895, Start Num: 131
Candidate Starts for LochMonster_71:

(Start: 131 @44407 has 59 MA's), (Start: 157 @44359 has 5 MA's), (Start: 172 @44308 has 2 MA's), (186, 44233), (190, 44209), (193, 44203), (196, 44197), (208, 44146), (214, 44125), (224, 44068), (232, 44029), (259, 43927),

Gene: Lockley_72 Start: 45724, Stop: 45212, Start Num: 139
Candidate Starts for Lockley_72:
(51, 45898), (67, 45865), (Start: 110 @45781 has 2 MA's), (Start: 139 @45724 has 224 MA's), (Start: 157 @45682 has 5 MA's), (Start: 172 @45631 has 2 MA's), (173, 45622), (183, 45574), (190, 45532), (214, 45451), (221, 45409), (264, 45223),

Gene: LogiBear_75 Start: 43674, Stop: 43153, Start Num: 125
Candidate Starts for LogiBear_75:
(92, 43728), (Start: 125 @43674 has 201 MA's), (Start: 157 @43629 has 5 MA's), (Start: 172 @43578 has 2 MA's), (183, 43521), (208, 43419), (214, 43398), (241, 43257), (258, 43194), (266, 43161),

Gene: Lokk_69 Start: 43909, Stop: 43337, Start Num: 125
Candidate Starts for Lokk_69:
(Start: 118 @43921 has 33 MA's), (Start: 125 @43909 has 201 MA's), (Start: 135 @43894 has 7 MA's), (141, 43882), (Start: 172 @43792 has 2 MA's), (173, 43783), (176, 43768), (183, 43735), (186, 43717), (194, 43684), (208, 43633), (221, 43567), (232, 43507), (256, 43402), (266, 43357),

Gene: LoneWolf_78 Start: 45014, Stop: 44487, Start Num: 125
Candidate Starts for LoneWolf_78:
(Start: 118 @45026 has 33 MA's), (Start: 125 @45014 has 201 MA's), (Start: 172 @44918 has 2 MA's), (176, 44894), (183, 44861), (186, 44843), (214, 44738), (217, 44720), (225, 44678), (226, 44675), (232, 44636), (242, 44597), (243, 44594), (248, 44576),

Gene: Loofah_30 Start: 23527, Stop: 23985, Start Num: 149
Candidate Starts for Loofah_30:
(104, 23470), (Start: 149 @23527 has 110 MA's), (167, 23599), (178, 23647), (192, 23722), (203, 23758), (221, 23839),

Gene: Looper_83 Start: 45595, Stop: 45074, Start Num: 125
Candidate Starts for Looper_83:
(Start: 125 @45595 has 201 MA's), (Start: 157 @45550 has 5 MA's), (Start: 172 @45499 has 2 MA's), (173, 45490), (183, 45442), (208, 45340), (214, 45319), (240, 45181), (246, 45163), (250, 45151), (258, 45115),

Gene: Lopton_74 Start: 47686, Stop: 47174, Start Num: 139
Candidate Starts for Lopton_74:
(51, 47860), (67, 47827), (Start: 110 @47743 has 2 MA's), (Start: 139 @47686 has 224 MA's), (Start: 157 @47644 has 5 MA's), (Start: 172 @47593 has 2 MA's), (173, 47584), (183, 47536), (214, 47413), (221, 47371), (264, 47185),

Gene: Lorelei_29 Start: 23389, Stop: 23841, Start Num: 149
Candidate Starts for Lorelei_29:
(Start: 115 @23338 has 1 MA's), (121, 23347), (Start: 149 @23389 has 110 MA's), (167, 23461), (203, 23620), (205, 23629), (207, 23641), (219, 23683), (221, 23701), (227, 23725),

Gene: Lorenzo_70 Start: 44171, Stop: 43659, Start Num: 131
Candidate Starts for Lorenzo_70:
(Start: 131 @44171 has 59 MA's), (Start: 157 @44123 has 5 MA's), (Start: 172 @44072 has 2 MA's), (186, 43997), (190, 43973), (196, 43961), (208, 43910), (214, 43889), (224, 43832), (246, 43739),

(259, 43691),

Gene: Loser_77 Start: 45980, Stop: 45399, Start Num: 125
Candidate Starts for Loser_77:
(Start: 97 @46022 has 4 MA's), (Start: 100 @46019 has 2 MA's), (112, 46004), (Start: 118 @45992 has 33 MA's), (Start: 125 @45980 has 201 MA's), (148, 45941), (Start: 172 @45863 has 2 MA's), (173, 45854), (183, 45806), (188, 45779), (208, 45704), (211, 45695), (222, 45635), (226, 45617), (252, 45503),

Gene: Luchador_78 Start: 46094, Stop: 45567, Start Num: 125
Candidate Starts for Luchador_78:
(Start: 118 @46106 has 33 MA's), (Start: 125 @46094 has 201 MA's), (Start: 172 @45992 has 2 MA's), (176, 45968), (179, 45959), (183, 45935), (186, 45917), (208, 45833), (209, 45830), (214, 45812), (219, 45788), (237, 45686), (241, 45674), (255, 45629), (258, 45611),

Gene: Lucivia_79 Start: 45381, Stop: 44830, Start Num: 125
Candidate Starts for Lucivia_79:
(Start: 97 @45423 has 4 MA's), (Start: 118 @45393 has 33 MA's), (Start: 125 @45381 has 201 MA's), (141, 45354), (Start: 172 @45264 has 2 MA's), (176, 45240), (183, 45207), (208, 45105), (214, 45081), (216, 45066), (221, 45039), (226, 45018), (232, 44979), (258, 44880), (266, 44847),

Gene: Lucyedi_80 Start: 46110, Stop: 45568, Start Num: 125
Candidate Starts for Lucyedi_80:
(56, 46242), (72, 46215), (81, 46188), (99, 46152), (Start: 118 @46122 has 33 MA's), (Start: 125 @46110 has 201 MA's), (Start: 172 @46005 has 2 MA's), (173, 45996), (183, 45948), (199, 45882), (208, 45846), (214, 45825), (226, 45762), (232, 45723), (255, 45633), (258, 45615),

Gene: Lukilu_41 Start: 14631, Stop: 15143, Start Num: 139
Candidate Starts for Lukilu_41:
(46, 14442), (Start: 131 @14619 has 59 MA's), (Start: 139 @14631 has 224 MA's), (Start: 157 @14673 has 5 MA's), (Start: 172 @14724 has 2 MA's), (173, 14733), (183, 14781), (190, 14823), (214, 14904), (221, 14946), (264, 15132),

Gene: LunaBlu_42 Start: 32167, Stop: 31655, Start Num: 139
Candidate Starts for LunaBlu_42:
(Start: 108 @32227 has 1 MA's), (Start: 139 @32167 has 224 MA's), (Start: 157 @32125 has 5 MA's), (Start: 172 @32074 has 2 MA's), (173, 32065), (183, 32017), (190, 31975), (214, 31894), (221, 31852), (264, 31666),

Gene: MPlant7149_75 Start: 46240, Stop: 45728, Start Num: 139
Candidate Starts for MPlant7149_75:
(51, 46414), (67, 46381), (Start: 110 @46297 has 2 MA's), (Start: 139 @46240 has 224 MA's), (Start: 157 @46198 has 5 MA's), (Start: 172 @46147 has 2 MA's), (173, 46138), (183, 46090), (214, 45967), (221, 45925), (264, 45739),

Gene: MaCh_78 Start: 45345, Stop: 44794, Start Num: 125
Candidate Starts for MaCh_78:
(Start: 97 @45387 has 4 MA's), (Start: 118 @45357 has 33 MA's), (Start: 125 @45345 has 201 MA's), (141, 45318), (Start: 172 @45228 has 2 MA's), (176, 45204), (183, 45171), (208, 45069), (214, 45045), (216, 45030), (221, 45003), (226, 44982), (232, 44943), (258, 44844), (266, 44811),

Gene: Mabel_78 Start: 45346, Stop: 44795, Start Num: 125
Candidate Starts for Mabel_78:

(Start: 97 @45388 has 4 MA's), (Start: 118 @45358 has 33 MA's), (Start: 125 @45346 has 201 MA's), (141, 45319), (Start: 172 @45229 has 2 MA's), (176, 45205), (183, 45172), (208, 45070), (214, 45046), (216, 45031), (221, 45004), (226, 44983), (232, 44944), (258, 44845), (266, 44812),

Gene: Magnar_71 Start: 45368, Stop: 44856, Start Num: 139
Candidate Starts for Magnar_71:
(51, 45542), (67, 45509), (Start: 110 @45425 has 2 MA's), (Start: 139 @45368 has 224 MA's), (Start: 157 @45326 has 5 MA's), (Start: 172 @45275 has 2 MA's), (173, 45266), (183, 45218), (214, 45095), (221, 45053), (264, 44867),

Gene: Malec_73 Start: 45714, Stop: 45103, Start Num: 97
Candidate Starts for Malec_73:
(32, 45885), (45, 45834), (Start: 97 @45714 has 4 MA's), (Start: 118 @45684 has 33 MA's), (Start: 125 @45672 has 201 MA's), (Start: 172 @45555 has 2 MA's), (173, 45546), (180, 45519), (183, 45498), (193, 45450), (208, 45396), (226, 45309), (232, 45270), (250, 45207), (256, 45165),

Gene: Maminiaina_77 Start: 44943, Stop: 44395, Start Num: 118
Candidate Starts for Maminiaina_77:
(Start: 118 @44943 has 33 MA's), (Start: 125 @44931 has 201 MA's), (160, 44874), (Start: 172 @44835 has 2 MA's), (176, 44811), (183, 44778), (214, 44655), (217, 44637), (225, 44595), (226, 44592), (232, 44553), (248, 44493), (250, 44484),

Gene: Maneekul_28 Start: 22903, Stop: 23355, Start Num: 149
Candidate Starts for Maneekul_28:
(114, 22849), (Start: 149 @22903 has 110 MA's), (167, 22975), (175, 23014), (186, 23068), (203, 23134), (213, 23173), (221, 23215), (227, 23239), (250, 23347),

Gene: Manu_78 Start: 44819, Stop: 44310, Start Num: 143
Candidate Starts for Manu_78:
(Start: 143 @44819 has 18 MA's), (Start: 157 @44783 has 5 MA's), (Start: 172 @44732 has 2 MA's), (173, 44723), (186, 44657), (196, 44621), (208, 44573), (214, 44552), (225, 44492), (226, 44489), (232, 44450), (248, 44387), (259, 44342),

Gene: Marav_32 Start: 24235, Stop: 24693, Start Num: 149
Candidate Starts for Marav_32:
(Start: 149 @24235 has 110 MA's), (167, 24307), (178, 24355), (190, 24427), (192, 24430), (203, 24466), (221, 24547), (226, 24568),

Gene: Marcell_68 Start: 43988, Stop: 43476, Start Num: 139
Candidate Starts for Marcell_68:
(51, 44162), (67, 44129), (Start: 110 @44045 has 2 MA's), (Start: 139 @43988 has 224 MA's), (Start: 157 @43946 has 5 MA's), (Start: 172 @43895 has 2 MA's), (173, 43886), (183, 43838), (214, 43715), (221, 43673), (264, 43487),

Gene: Marchy_67 Start: 42792, Stop: 42280, Start Num: 139
Candidate Starts for Marchy_67:
(51, 42966), (67, 42933), (Start: 110 @42849 has 2 MA's), (Start: 139 @42792 has 224 MA's), (Start: 157 @42750 has 5 MA's), (Start: 172 @42699 has 2 MA's), (173, 42690), (183, 42642), (214, 42519), (221, 42477), (264, 42291),

Gene: Marco3_78 Start: 47942, Stop: 47430, Start Num: 139
Candidate Starts for Marco3_78:

(51, 48116), (67, 48083), (Start: 110 @47999 has 2 MA's), (Start: 139 @47942 has 224 MA's), (Start: 157 @47900 has 5 MA's), (Start: 172 @47849 has 2 MA's), (173, 47840), (183, 47792), (208, 47690), (214, 47669), (221, 47627), (264, 47441),

Gene: Marge_72 Start: 45485, Stop: 44973, Start Num: 139
Candidate Starts for Marge_72:
(51, 45659), (67, 45626), (93, 45563), (Start: 110 @45542 has 2 MA's), (Start: 139 @45485 has 224 MA's), (Start: 157 @45443 has 5 MA's), (Start: 172 @45392 has 2 MA's), (173, 45383), (183, 45335), (214, 45212), (221, 45170), (264, 44984),

Gene: Marius_79 Start: 44813, Stop: 44304, Start Num: 143
Candidate Starts for Marius_79:
(Start: 143 @44813 has 18 MA's), (Start: 157 @44777 has 5 MA's), (Start: 172 @44726 has 2 MA's), (173, 44717), (186, 44651), (196, 44615), (208, 44567), (214, 44546), (225, 44486), (226, 44483), (232, 44444), (248, 44381), (259, 44336),

Gene: Marsha_75 Start: 47927, Stop: 47415, Start Num: 139
Candidate Starts for Marsha_75:
(51, 48101), (67, 48068), (Start: 110 @47984 has 2 MA's), (Start: 139 @47927 has 224 MA's), (Start: 157 @47885 has 5 MA's), (Start: 172 @47834 has 2 MA's), (173, 47825), (183, 47777), (214, 47654), (221, 47612), (255, 47468), (264, 47426),

Gene: MaryBeth_73 Start: 46510, Stop: 45998, Start Num: 139
Candidate Starts for MaryBeth_73:
(Start: 110 @46567 has 2 MA's), (Start: 139 @46510 has 224 MA's), (Start: 157 @46468 has 5 MA's), (Start: 172 @46417 has 2 MA's), (173, 46408), (183, 46360), (214, 46237), (221, 46195), (264, 46009),

Gene: MarysWell_69 Start: 43942, Stop: 43412, Start Num: 130
Candidate Starts for MarysWell_69:
(Start: 130 @43942 has 39 MA's), (203, 43690), (204, 43687), (208, 43666), (214, 43645), (249, 43486), (257, 43447),

Gene: Maverick_69 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Maverick_69:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Mayonnaise_67 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Mayonnaise_67:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Mazhar510_70 Start: 44169, Stop: 43657, Start Num: 131
Candidate Starts for Mazhar510_70:
(Start: 131 @44169 has 59 MA's), (Start: 157 @44121 has 5 MA's), (Start: 172 @44070 has 2 MA's), (186, 43995), (190, 43971), (193, 43965), (196, 43959), (208, 43908), (214, 43887), (224, 43830), (232, 43791), (259, 43689),

Gene: McFly_79 Start: 44813, Stop: 44298, Start Num: 125
Candidate Starts for McFly_79:

(Start: 118 @44825 has 33 MA's), (Start: 125 @44813 has 201 MA's), (Start: 172 @44726 has 2 MA's), (173, 44717), (183, 44669), (208, 44567), (214, 44546), (218, 44525), (226, 44483), (232, 44444),

Gene: McGuire_75 Start: 45524, Stop: 45012, Start Num: 139
Candidate Starts for McGuire_75:
(49, 45701), (51, 45698), (58, 45680), (67, 45665), (Start: 110 @45581 has 2 MA's), (Start: 139 @45524 has 224 MA's), (Start: 157 @45482 has 5 MA's), (Start: 172 @45431 has 2 MA's), (173, 45422), (183, 45374), (214, 45251), (221, 45209), (264, 45023),

Gene: McSinger_74 Start: 46654, Stop: 46142, Start Num: 139
Candidate Starts for McSinger_74:
(51, 46828), (67, 46795), (Start: 110 @46711 has 2 MA's), (Start: 139 @46654 has 224 MA's), (Start: 157 @46612 has 5 MA's), (Start: 172 @46561 has 2 MA's), (173, 46552), (183, 46504), (214, 46381), (221, 46339), (264, 46153),

Gene: MeeZee_69 Start: 44165, Stop: 43653, Start Num: 131
Candidate Starts for MeeZee_69:
(Start: 131 @44165 has 59 MA's), (Start: 157 @44117 has 5 MA's), (Start: 172 @44066 has 2 MA's), (186, 43991), (190, 43967), (193, 43961), (196, 43955), (208, 43904), (214, 43883), (224, 43826), (232, 43787), (259, 43685),

Gene: MegTheThird_72 Start: 43948, Stop: 43415, Start Num: 125
Candidate Starts for MegTheThird_72:
(Start: 125 @43948 has 201 MA's), (160, 43891), (Start: 172 @43852 has 2 MA's), (176, 43828), (183, 43795), (189, 43756), (214, 43672), (220, 43645), (225, 43612), (226, 43609), (243, 43528), (246, 43513), (248, 43510), (250, 43501),

Gene: Melissauren88_38 Start: 31294, Stop: 30782, Start Num: 139
Candidate Starts for Melissauren88_38:
(Start: 108 @31354 has 1 MA's), (Start: 139 @31294 has 224 MA's), (Start: 157 @31252 has 5 MA's), (Start: 172 @31201 has 2 MA's), (173, 31192), (183, 31144), (190, 31102), (214, 31021), (221, 30979), (264, 30793),

Gene: MetalQZJ_72 Start: 46510, Stop: 45998, Start Num: 139
Candidate Starts for MetalQZJ_72:
(Start: 110 @46567 has 2 MA's), (Start: 139 @46510 has 224 MA's), (Start: 157 @46468 has 5 MA's), (Start: 172 @46417 has 2 MA's), (173, 46408), (183, 46360), (214, 46237), (221, 46195), (264, 46009),

Gene: MiaZeal_196 Start: 94928, Stop: 94416, Start Num: 139
Candidate Starts for MiaZeal_196:
(17, 95261), (21, 95219), (57, 95090), (83, 95033), (88, 95024), (128, 94952), (Start: 137 @94931 has 3 MA's), (Start: 139 @94928 has 224 MA's), (Start: 157 @94886 has 5 MA's), (Start: 172 @94835 has 2 MA's), (173, 94826), (183, 94778), (190, 94736), (214, 94655), (221, 94613), (264, 94427),

Gene: Micasa_69 Start: 43664, Stop: 43134, Start Num: 130
Candidate Starts for Micasa_69:
(Start: 130 @43664 has 39 MA's), (203, 43412), (204, 43409), (208, 43388), (214, 43367), (249, 43208), (257, 43169),

Gene: Michley_76 Start: 46252, Stop: 45740, Start Num: 139
Candidate Starts for Michley_76:

(51, 46426), (67, 46393), (Start: 110 @46309 has 2 MA's), (Start: 139 @46252 has 224 MA's), (Start: 157 @46210 has 5 MA's), (Start: 172 @46159 has 2 MA's), (173, 46150), (183, 46102), (214, 45979), (221, 45937), (264, 45751),

Gene: MiculUcigas_76 Start: 45315, Stop: 44746, Start Num: 125
Candidate Starts for MiculUcigas_76:
(Start: 97 @45357 has 4 MA's), (107, 45345), (Start: 118 @45327 has 33 MA's), (Start: 125 @45315 has 201 MA's), (Start: 172 @45198 has 2 MA's), (173, 45189), (180, 45162), (183, 45141), (208, 45039), (221, 44973), (226, 44952), (232, 44913), (250, 44850),

Gene: Midas2_66 Start: 43560, Stop: 43030, Start Num: 130
Candidate Starts for Midas2_66:
(Start: 130 @43560 has 39 MA's), (203, 43308), (204, 43305), (208, 43284), (214, 43263), (249, 43104), (257, 43065),

Gene: Miko_69 Start: 44687, Stop: 44115, Start Num: 125
Candidate Starts for Miko_69:
(Start: 118 @44699 has 33 MA's), (Start: 125 @44687 has 201 MA's), (141, 44660), (Start: 172 @44570 has 2 MA's), (173, 44561), (176, 44546), (183, 44513), (186, 44495), (194, 44462), (208, 44411), (221, 44345), (232, 44285), (256, 44180), (266, 44135),

Gene: MilanaBonita_32 Start: 27185, Stop: 26715, Start Num: 157
Candidate Starts for MilanaBonita_32:
(Start: 139 @27227 has 224 MA's), (Start: 157 @27185 has 5 MA's), (Start: 172 @27134 has 2 MA's), (173, 27125), (183, 27077), (190, 27035), (214, 26954), (221, 26912), (264, 26726),

Gene: Milcery_69 Start: 43451, Stop: 42921, Start Num: 130
Candidate Starts for Milcery_69:
(126, 43457), (Start: 130 @43451 has 39 MA's), (203, 43199), (204, 43196), (208, 43175), (214, 43154), (249, 42995), (257, 42956),

Gene: MilleFeuille_75 Start: 45275, Stop: 44763, Start Num: 139
Candidate Starts for MilleFeuille_75:
(51, 45449), (67, 45416), (Start: 110 @45332 has 2 MA's), (Start: 139 @45275 has 224 MA's), (Start: 157 @45233 has 5 MA's), (Start: 172 @45182 has 2 MA's), (173, 45173), (183, 45125), (214, 45002), (221, 44960), (264, 44774),

Gene: MilleniumForce_40 Start: 32109, Stop: 31573, Start Num: 119
Candidate Starts for MilleniumForce_40:
(Start: 119 @32109 has 17 MA's), (Start: 157 @32043 has 5 MA's), (Start: 172 @31992 has 2 MA's), (173, 31983), (183, 31935), (190, 31893), (214, 31812), (221, 31770), (264, 31584),

Gene: MinecraftSteve_84 Start: 45576, Stop: 45055, Start Num: 125
Candidate Starts for MinecraftSteve_84:
(Start: 125 @45576 has 201 MA's), (Start: 157 @45531 has 5 MA's), (Start: 172 @45480 has 2 MA's), (173, 45471), (183, 45423), (208, 45321), (214, 45300), (240, 45162), (246, 45144), (250, 45132), (258, 45096),

Gene: MinionDave_41 Start: 32346, Stop: 31810, Start Num: 119
Candidate Starts for MinionDave_41:
(Start: 119 @32346 has 17 MA's), (Start: 157 @32280 has 5 MA's), (Start: 172 @32229 has 2 MA's), (173, 32220), (183, 32172), (190, 32130), (214, 32049), (221, 32007), (264, 31821),

Gene: Minispark_75 Start: 44563, Stop: 44033, Start Num: 125
Candidate Starts for Minispark_75:
(Start: 118 @44575 has 33 MA's), (Start: 125 @44563 has 201 MA's), (Start: 172 @44467 has 2 MA's), (176, 44443), (183, 44410), (186, 44392), (214, 44287), (217, 44269), (225, 44227), (226, 44224), (232, 44185), (242, 44146), (246, 44128), (248, 44125), (250, 44116), (258, 44077),

Gene: Mkhuseli_72 Start: 44255, Stop: 43743, Start Num: 139
Candidate Starts for Mkhuseli_72:
(51, 44429), (58, 44411), (67, 44396), (Start: 110 @44312 has 2 MA's), (Start: 139 @44255 has 224 MA's), (Start: 157 @44213 has 5 MA's), (Start: 172 @44162 has 2 MA's), (173, 44153), (183, 44105), (214, 43982), (221, 43940), (264, 43754),

Gene: Moby_234 Start: 131036, Stop: 131548, Start Num: 139
Candidate Starts for Moby_234:
(109, 130979), (Start: 139 @131036 has 224 MA's), (Start: 157 @131078 has 5 MA's), (Start: 172 @131129 has 2 MA's), (173, 131138), (183, 131186), (208, 131288), (214, 131309), (221, 131351), (264, 131537),

Gene: Moiqah_234 Start: 131013, Stop: 131525, Start Num: 139
Candidate Starts for Moiqah_234:
(109, 130956), (Start: 139 @131013 has 224 MA's), (Start: 157 @131055 has 5 MA's), (Start: 172 @131106 has 2 MA's), (173, 131115), (183, 131163), (208, 131265), (214, 131286), (221, 131328), (264, 131514),

Gene: Molly_75 Start: 45897, Stop: 45385, Start Num: 139
Candidate Starts for Molly_75:
(51, 46071), (67, 46038), (Start: 110 @45954 has 2 MA's), (Start: 139 @45897 has 224 MA's), (Start: 157 @45855 has 5 MA's), (Start: 172 @45804 has 2 MA's), (173, 45795), (183, 45747), (214, 45624), (221, 45582), (255, 45438), (264, 45396),

Gene: Monet_79 Start: 47934, Stop: 47422, Start Num: 139
Candidate Starts for Monet_79:
(51, 48108), (67, 48075), (93, 48012), (Start: 110 @47991 has 2 MA's), (Start: 139 @47934 has 224 MA's), (Start: 157 @47892 has 5 MA's), (Start: 172 @47841 has 2 MA's), (173, 47832), (183, 47784), (214, 47661), (221, 47619), (264, 47433),

Gene: Moonbeam_39 Start: 31863, Stop: 31327, Start Num: 119
Candidate Starts for Moonbeam_39:
(Start: 119 @31863 has 17 MA's), (Start: 157 @31797 has 5 MA's), (Start: 172 @31746 has 2 MA's), (173, 31737), (183, 31689), (190, 31647), (214, 31566), (221, 31524), (264, 31338),

Gene: Moose_77 Start: 47070, Stop: 46555, Start Num: 139
Candidate Starts for Moose_77:
(51, 47244), (67, 47211), (Start: 110 @47127 has 2 MA's), (Start: 139 @47070 has 224 MA's), (Start: 157 @47028 has 5 MA's), (Start: 172 @46977 has 2 MA's), (173, 46968), (183, 46920), (208, 46818), (214, 46797), (221, 46755), (255, 46611), (264, 46569),

Gene: Morizzled23_50 Start: 15132, Stop: 15644, Start Num: 139
Candidate Starts for Morizzled23_50:
(46, 14943), (Start: 131 @15120 has 59 MA's), (Start: 139 @15132 has 224 MA's), (Start: 157 @15174 has 5 MA's), (Start: 172 @15225 has 2 MA's), (173, 15234), (183, 15282), (214, 15405), (221, 15447), (255, 15591), (264, 15633),

Gene: Mova_39 Start: 30975, Stop: 30466, Start Num: 133
Candidate Starts for Mova_39:
(26, 31233), (31, 31209), (Start: 133 @30975 has 10 MA's), (Start: 157 @30933 has 5 MA's), (Start: 172 @30882 has 2 MA's), (173, 30873), (183, 30825), (190, 30783), (214, 30702), (221, 30660), (264, 30477),

Gene: MrGordo_76 Start: 45826, Stop: 45314, Start Num: 139
Candidate Starts for MrGordo_76:
(51, 46000), (67, 45967), (Start: 110 @45883 has 2 MA's), (Start: 139 @45826 has 224 MA's), (Start: 157 @45784 has 5 MA's), (Start: 172 @45733 has 2 MA's), (173, 45724), (183, 45676), (214, 45553), (221, 45511), (264, 45325),

Gene: Mryolo_70 Start: 44855, Stop: 44343, Start Num: 139
Candidate Starts for Mryolo_70:
(51, 45029), (67, 44996), (Start: 110 @44912 has 2 MA's), (Start: 139 @44855 has 224 MA's), (Start: 157 @44813 has 5 MA's), (Start: 172 @44762 has 2 MA's), (173, 44753), (183, 44705), (208, 44603), (214, 44582), (221, 44540), (255, 44396), (264, 44354),

Gene: Ms6_33 Start: 26759, Stop: 26250, Start Num: 133
Candidate Starts for Ms6_33:
(26, 27017), (31, 26993), (Start: 133 @26759 has 10 MA's), (Start: 157 @26717 has 5 MA's), (Start: 172 @26666 has 2 MA's), (173, 26657), (183, 26609), (190, 26567), (214, 26486), (221, 26444), (264, 26261),

Gene: Mulciber_76 Start: 44899, Stop: 44336, Start Num: 118
Candidate Starts for Mulciber_76:
(Start: 97 @44929 has 4 MA's), (Start: 118 @44899 has 33 MA's), (Start: 125 @44887 has 201 MA's), (141, 44860), (Start: 172 @44770 has 2 MA's), (176, 44746), (183, 44713), (208, 44611), (214, 44587), (216, 44572), (221, 44545), (226, 44524), (232, 44485), (258, 44386), (266, 44353),

Gene: Mule_74 Start: 45924, Stop: 45412, Start Num: 139
Candidate Starts for Mule_74:
(12, 46320), (51, 46098), (67, 46065), (Start: 110 @45981 has 2 MA's), (Start: 139 @45924 has 224 MA's), (Start: 157 @45882 has 5 MA's), (Start: 172 @45831 has 2 MA's), (173, 45822), (183, 45774), (214, 45651), (221, 45609), (264, 45423),

Gene: Munch_78 Start: 45362, Stop: 44799, Start Num: 118
Candidate Starts for Munch_78:
(Start: 97 @45392 has 4 MA's), (Start: 118 @45362 has 33 MA's), (Start: 125 @45350 has 201 MA's), (141, 45323), (Start: 172 @45233 has 2 MA's), (176, 45209), (183, 45176), (208, 45074), (214, 45050), (216, 45035), (221, 45008), (226, 44987), (232, 44948), (258, 44849), (266, 44816),

Gene: Myxus_77 Start: 44781, Stop: 44233, Start Num: 118
Candidate Starts for Myxus_77:
(Start: 118 @44781 has 33 MA's), (Start: 125 @44769 has 201 MA's), (Start: 172 @44673 has 2 MA's), (173, 44664), (176, 44649), (183, 44616), (214, 44493), (216, 44478), (217, 44475), (225, 44433), (226, 44430), (242, 44352), (258, 44283),

Gene: NEHalo_71 Start: 45770, Stop: 45255, Start Num: 139
Candidate Starts for NEHalo_71:
(51, 45944), (67, 45911), (Start: 110 @45827 has 2 MA's), (Start: 139 @45770 has 224 MA's), (Start: 157 @45728 has 5 MA's), (Start: 172 @45677 has 2 MA's), (173, 45668), (183, 45620), (214, 45497), (221, 45455), (255, 45311), (264, 45269),

Gene: NaSiaTalie_76 Start: 45409, Stop: 44840, Start Num: 125
Candidate Starts for NaSiaTalie_76:
(Start: 97 @45451 has 4 MA's), (107, 45439), (Start: 118 @45421 has 33 MA's), (Start: 125 @45409 has 201 MA's), (Start: 172 @45292 has 2 MA's), (173, 45283), (180, 45256), (183, 45235), (208, 45133), (221, 45067), (226, 45046), (232, 45007), (250, 44944),

Gene: Nabi_29 Start: 23389, Stop: 23841, Start Num: 149
Candidate Starts for Nabi_29:
(Start: 115 @23338 has 1 MA's), (121, 23347), (Start: 149 @23389 has 110 MA's), (167, 23461), (203, 23620), (205, 23629), (207, 23641), (219, 23683), (221, 23701), (227, 23725),

Gene: Naca_72 Start: 44855, Stop: 44325, Start Num: 130
Candidate Starts for Naca_72:
(65, 44987), (78, 44954), (79, 44951), (Start: 130 @44855 has 39 MA's), (147, 44825), (187, 44663), (192, 44639), (203, 44603), (208, 44579), (214, 44558), (246, 44405), (249, 44399), (257, 44360),

Gene: Naiad_57 Start: 40148, Stop: 39624, Start Num: 125
Candidate Starts for Naiad_57:
(Start: 125 @40148 has 201 MA's), (156, 40103), (160, 40085), (186, 39971), (195, 39935), (204, 39908), (208, 39887), (214, 39866), (216, 39851), (222, 39821), (223, 39818), (226, 39803), (248, 39707), (250, 39698), (263, 39641),

Gene: Naira_77 Start: 47443, Stop: 46931, Start Num: 139
Candidate Starts for Naira_77:
(51, 47617), (67, 47584), (Start: 110 @47500 has 2 MA's), (Start: 139 @47443 has 224 MA's), (Start: 157 @47401 has 5 MA's), (Start: 172 @47350 has 2 MA's), (173, 47341), (183, 47293), (214, 47170), (221, 47128), (264, 46942),

Gene: Nanodon_31 Start: 23239, Stop: 23691, Start Num: 149
Candidate Starts for Nanodon_31:
(84, 23128), (105, 23164), (Start: 110 @23170 has 2 MA's), (Start: 139 @23221 has 224 MA's), (Start: 149 @23239 has 110 MA's), (167, 23311), (178, 23359), (203, 23470), (221, 23551),

Gene: Natosaleda_57 Start: 40064, Stop: 39540, Start Num: 125
Candidate Starts for Natosaleda_57:
(Start: 125 @40064 has 201 MA's), (156, 40019), (160, 40001), (186, 39887), (195, 39851), (204, 39824), (208, 39803), (214, 39782), (216, 39767), (222, 39737), (223, 39734), (248, 39623), (250, 39614), (263, 39557),

Gene: Nebs_71 Start: 44210, Stop: 43698, Start Num: 131
Candidate Starts for Nebs_71:
(Start: 131 @44210 has 59 MA's), (Start: 157 @44162 has 5 MA's), (Start: 172 @44111 has 2 MA's), (186, 44036), (190, 44012), (196, 44000), (208, 43949), (214, 43928), (224, 43871), (246, 43778), (259, 43730),

Gene: Nebulosus_81 Start: 45240, Stop: 44719, Start Num: 125
Candidate Starts for Nebulosus_81:
(Start: 125 @45240 has 201 MA's), (Start: 157 @45195 has 5 MA's), (Start: 172 @45144 has 2 MA's), (173, 45135), (183, 45087), (208, 44985), (214, 44964), (240, 44826), (246, 44808), (250, 44796), (258, 44760),

Gene: Nedarya_79 Start: 45469, Stop: 44945, Start Num: 125

Candidate Starts for Nedarya_79:
(Start: 125 @45469 has 201 MA's), (Start: 172 @45370 has 2 MA's), (176, 45346), (180, 45334), (183, 45313), (208, 45211), (214, 45190), (241, 45049), (246, 45034), (250, 45022), (258, 44986),

Gene: Neeharika16_77 Start: 44280, Stop: 43765, Start Num: 125
Candidate Starts for Neeharika16_77:
(Start: 118 @44292 has 33 MA's), (Start: 125 @44280 has 201 MA's), (Start: 172 @44193 has 2 MA's), (173, 44184), (183, 44136), (208, 44034), (214, 44013), (218, 43992), (226, 43950), (232, 43911),

Gene: Nemo27_69 Start: 44167, Stop: 43655, Start Num: 131
Candidate Starts for Nemo27_69:
(Start: 131 @44167 has 59 MA's), (Start: 157 @44119 has 5 MA's), (Start: 172 @44068 has 2 MA's), (186, 43993), (190, 43969), (193, 43963), (196, 43957), (208, 43906), (214, 43885), (224, 43828), (232, 43789), (259, 43687),

Gene: Nerdos_29 Start: 22590, Stop: 23042, Start Num: 149
Candidate Starts for Nerdos_29:
(20, 22293), (22, 22302), (38, 22359), (39, 22362), (53, 22419), (61, 22434), (64, 22437), (66, 22440), (Start: 69 @22449 has 1 MA's), (71, 22452), (84, 22488), (105, 22521), (128, 22563), (Start: 149 @22590 has 110 MA's), (167, 22662), (203, 22821), (221, 22902), (233, 22965),

Gene: Nerujay_79 Start: 48212, Stop: 47700, Start Num: 139
Candidate Starts for Nerujay_79:
(51, 48386), (67, 48353), (Start: 110 @48269 has 2 MA's), (Start: 139 @48212 has 224 MA's), (Start: 157 @48170 has 5 MA's), (Start: 172 @48119 has 2 MA's), (173, 48110), (183, 48062), (214, 47939), (221, 47897), (264, 47711),

Gene: NewHope4_43 Start: 31989, Stop: 31453, Start Num: 119
Candidate Starts for NewHope4_43:
(Start: 119 @31989 has 17 MA's), (Start: 157 @31923 has 5 MA's), (Start: 172 @31872 has 2 MA's), (173, 31863), (183, 31815), (190, 31773), (214, 31692), (221, 31650), (264, 31464),

Gene: Newrala_77 Start: 44619, Stop: 44104, Start Num: 125
Candidate Starts for Newrala_77:
(Start: 118 @44631 has 33 MA's), (Start: 125 @44619 has 201 MA's), (Start: 172 @44532 has 2 MA's), (173, 44523), (183, 44475), (208, 44373), (214, 44352), (218, 44331), (226, 44289), (232, 44250),

Gene: Nhonho_71 Start: 45931, Stop: 45419, Start Num: 139
Candidate Starts for Nhonho_71:
(51, 46105), (67, 46072), (93, 46009), (Start: 110 @45988 has 2 MA's), (Start: 139 @45931 has 224 MA's), (Start: 157 @45889 has 5 MA's), (Start: 172 @45838 has 2 MA's), (173, 45829), (183, 45781), (214, 45658), (221, 45616), (264, 45430),

Gene: NicoleTera_73 Start: 45439, Stop: 44858, Start Num: 125
Candidate Starts for NicoleTera_73:
(Start: 118 @45451 has 33 MA's), (Start: 125 @45439 has 201 MA's), (161, 45355), (Start: 172 @45319 has 2 MA's), (180, 45283), (183, 45262), (208, 45160), (211, 45151), (222, 45091), (226, 45073), (232, 45034), (258, 44908),

Gene: Nishikigoi_29 Start: 23206, Stop: 23718, Start Num: 115
Candidate Starts for Nishikigoi_29:

(Start: 115 @23206 has 1 MA's), (Start: 119 @23212 has 17 MA's), (128, 23227), (Start: 149 @23251 has 110 MA's), (167, 23323), (178, 23371), (186, 23416), (192, 23446), (203, 23482), (221, 23566), (225, 23584), (227, 23590),

Gene: Niza_75 Start: 47243, Stop: 46731, Start Num: 139
Candidate Starts for Niza_75:
(51, 47417), (67, 47384), (Start: 110 @47300 has 2 MA's), (Start: 139 @47243 has 224 MA's), (Start: 157 @47201 has 5 MA's), (Start: 172 @47150 has 2 MA's), (173, 47141), (183, 47093), (214, 46970), (221, 46928), (255, 46784), (264, 46742),

Gene: NotAPhaseMom_69 Start: 44172, Stop: 43660, Start Num: 131
Candidate Starts for NotAPhaseMom_69:
(Start: 131 @44172 has 59 MA's), (Start: 157 @44124 has 5 MA's), (Start: 172 @44073 has 2 MA's), (186, 43998), (190, 43974), (193, 43968), (196, 43962), (208, 43911), (214, 43890), (224, 43833), (232, 43794), (259, 43692),

Gene: NothingSpecial_71 Start: 45368, Stop: 44808, Start Num: 118
Candidate Starts for NothingSpecial_71:
(Start: 118 @45368 has 33 MA's), (Start: 125 @45356 has 201 MA's), (148, 45317), (Start: 172 @45239 has 2 MA's), (176, 45215), (183, 45182), (208, 45080), (214, 45056), (221, 45014), (226, 44993), (232, 44954), (250, 44888), (258, 44852),

Gene: Noxious_71 Start: 44971, Stop: 44459, Start Num: 139
Candidate Starts for Noxious_71:
(51, 45145), (67, 45112), (Start: 110 @45028 has 2 MA's), (Start: 139 @44971 has 224 MA's), (Start: 157 @44929 has 5 MA's), (Start: 172 @44878 has 2 MA's), (173, 44869), (183, 44821), (214, 44698), (221, 44656), (264, 44470),

Gene: OKCentral2016_68 Start: 43243, Stop: 42737, Start Num: 133
Candidate Starts for OKCentral2016_68:
(Start: 100 @43306 has 2 MA's), (111, 43291), (Start: 133 @43243 has 10 MA's), (Start: 135 @43240 has 7 MA's), (Start: 172 @43147 has 2 MA's), (176, 43123), (183, 43090), (186, 43072), (190, 43048), (208, 42988), (214, 42967), (216, 42952), (232, 42871), (240, 42835), (259, 42769), (264, 42748),

Gene: Odin_77 Start: 45353, Stop: 44817, Start Num: 131
Candidate Starts for Odin_77:
(Start: 118 @45377 has 33 MA's), (Start: 125 @45365 has 201 MA's), (Start: 131 @45353 has 59 MA's), (Start: 172 @45248 has 2 MA's), (173, 45239), (183, 45191), (186, 45173), (208, 45089), (214, 45065), (221, 45023), (226, 45002), (232, 44963), (258, 44861),

Gene: Ohfah_71 Start: 44210, Stop: 43698, Start Num: 131
Candidate Starts for Ohfah_71:
(Start: 131 @44210 has 59 MA's), (Start: 157 @44162 has 5 MA's), (Start: 172 @44111 has 2 MA's), (186, 44036), (190, 44012), (196, 44000), (208, 43949), (214, 43928), (224, 43871), (246, 43778), (259, 43730),

Gene: Ohno789_78 Start: 47993, Stop: 47478, Start Num: 139
Candidate Starts for Ohno789_78:
(51, 48167), (67, 48134), (Start: 110 @48050 has 2 MA's), (Start: 139 @47993 has 224 MA's), (Start: 157 @47951 has 5 MA's), (Start: 172 @47900 has 2 MA's), (173, 47891), (183, 47843), (214, 47720), (221, 47678), (255, 47534), (264, 47492),

Gene: OlanP_77 Start: 44992, Stop: 44483, Start Num: 143

Candidate Starts for OlanP_77:
(Start: 143 @44992 has 18 MA's), (Start: 157 @44956 has 5 MA's), (Start: 172 @44905 has 2 MA's), (173, 44896), (186, 44830), (196, 44794), (208, 44746), (214, 44725), (225, 44665), (226, 44662), (232, 44623), (248, 44560), (259, 44515),

Gene: Oliynyk_30 Start: 22949, Stop: 23401, Start Num: 149
Candidate Starts for Oliynyk_30:
(2, 22409), (4, 22439), (7, 22490), (9, 22517), (44, 22751), (105, 22880), (128, 22922), (Start: 149 @22949 has 110 MA's), (Start: 157 @22982 has 5 MA's), (167, 23021), (203, 23180), (221, 23261), (233, 23324),

Gene: Omar_30 Start: 23492, Stop: 23956, Start Num: 149
Candidate Starts for Omar_30:
(Start: 149 @23492 has 110 MA's), (Start: 157 @23525 has 5 MA's), (167, 23564), (178, 23612), (192, 23687), (203, 23723), (221, 23807), (227, 23831), (233, 23870),

Gene: Onglai_75 Start: 42975, Stop: 42439, Start Num: 125
Candidate Starts for Onglai_75:
(Start: 118 @42987 has 33 MA's), (Start: 125 @42975 has 201 MA's), (Start: 172 @42879 has 2 MA's), (173, 42870), (176, 42855), (183, 42822), (214, 42699), (216, 42684), (217, 42681), (225, 42639), (226, 42636), (242, 42558),

Gene: Oofda_83 Start: 45531, Stop: 45010, Start Num: 125
Candidate Starts for Oofda_83:
(Start: 125 @45531 has 201 MA's), (Start: 157 @45486 has 5 MA's), (Start: 172 @45435 has 2 MA's), (173, 45426), (183, 45378), (208, 45276), (214, 45255), (240, 45117), (246, 45099), (250, 45087), (258, 45051),

Gene: Oogway_74 Start: 46824, Stop: 46312, Start Num: 139
Candidate Starts for Oogway_74:
(51, 46998), (67, 46965), (Start: 110 @46881 has 2 MA's), (Start: 139 @46824 has 224 MA's), (Start: 157 @46782 has 5 MA's), (Start: 172 @46731 has 2 MA's), (173, 46722), (183, 46674), (190, 46632), (214, 46551), (221, 46509), (264, 46323),

Gene: Ovechkin_39 Start: 32190, Stop: 31654, Start Num: 119
Candidate Starts for Ovechkin_39:
(Start: 119 @32190 has 17 MA's), (Start: 157 @32124 has 5 MA's), (Start: 172 @32073 has 2 MA's), (173, 32064), (183, 32016), (190, 31974), (214, 31893), (221, 31851), (264, 31665),

Gene: Ozzie_29 Start: 22576, Stop: 23028, Start Num: 149
Candidate Starts for Ozzie_29:
(11, 22171), (13, 22201), (14, 22207), (20, 22279), (22, 22288), (38, 22345), (39, 22348), (53, 22405), (61, 22420), (64, 22423), (66, 22426), (Start: 69 @22435 has 1 MA's), (71, 22438), (84, 22474), (105, 22507), (128, 22549), (Start: 149 @22576 has 110 MA's), (167, 22648), (203, 22807), (221, 22888), (233, 22951),

Gene: OzzyJ_29 Start: 22872, Stop: 23324, Start Num: 149
Candidate Starts for OzzyJ_29:
(146, 22869), (Start: 149 @22872 has 110 MA's), (167, 22944), (175, 22983), (203, 23103), (213, 23142), (221, 23184), (227, 23208),

Gene: PP_72 Start: 48590, Stop: 48084, Start Num: 132
Candidate Starts for PP_72:

(Start: 132 @48590 has 3 MA's), (173, 48485), (186, 48419), (196, 48383), (208, 48335), (214, 48314), (224, 48257), (246, 48164), (248, 48161), (259, 48116),

Gene: Pablito_29 Start: 23122, Stop: 23580, Start Num: 149
Candidate Starts for Pablito_29:
(104, 23038), (128, 23080), (134, 23095), (Start: 149 @23122 has 110 MA's), (167, 23194), (178, 23242), (201, 23347), (203, 23353), (227, 23458),

Gene: PackMan_76 Start: 44656, Stop: 44108, Start Num: 118
Candidate Starts for PackMan_76:
(Start: 118 @44656 has 33 MA's), (Start: 125 @44644 has 201 MA's), (Start: 172 @44548 has 2 MA's), (173, 44539), (176, 44524), (183, 44491), (214, 44368), (216, 44353), (217, 44350), (225, 44308), (226, 44305), (242, 44227), (258, 44158),

Gene: Paedore_29 Start: 23512, Stop: 23970, Start Num: 149
Candidate Starts for Paedore_29:
(104, 23455), (Start: 149 @23512 has 110 MA's), (167, 23584), (178, 23632), (192, 23707), (203, 23743), (221, 23824),

Gene: Palestino_69 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Palestino_69:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Paolo_31 Start: 23869, Stop: 24327, Start Num: 149
Candidate Starts for Paolo_31:
(114, 23821), (Start: 149 @23869 has 110 MA's), (167, 23941), (178, 23989), (190, 24061), (203, 24100), (221, 24181), (226, 24202),

Gene: Papez_77 Start: 47434, Stop: 46922, Start Num: 139
Candidate Starts for Papez_77:
(Start: 110 @47491 has 2 MA's), (Start: 139 @47434 has 224 MA's), (Start: 157 @47392 has 5 MA's), (Start: 172 @47341 has 2 MA's), (173, 47332), (183, 47284), (214, 47161), (221, 47119), (264, 46933),

Gene: Paphu_70 Start: 45468, Stop: 44956, Start Num: 139
Candidate Starts for Paphu_70:
(51, 45642), (67, 45609), (Start: 110 @45525 has 2 MA's), (Start: 139 @45468 has 224 MA's), (Start: 157 @45426 has 5 MA's), (Start: 172 @45375 has 2 MA's), (173, 45366), (183, 45318), (190, 45276), (214, 45195), (221, 45153), (264, 44967),

Gene: Paraselene_73 Start: 46117, Stop: 45605, Start Num: 139
Candidate Starts for Paraselene_73:
(51, 46291), (67, 46258), (93, 46195), (Start: 110 @46174 has 2 MA's), (Start: 139 @46117 has 224 MA's), (Start: 157 @46075 has 5 MA's), (Start: 172 @46024 has 2 MA's), (173, 46015), (183, 45967), (214, 45844), (221, 45802), (264, 45616),

Gene: Pari_80 Start: 46837, Stop: 46325, Start Num: 139
Candidate Starts for Pari_80:
(51, 47011), (67, 46978), (Start: 110 @46894 has 2 MA's), (Start: 139 @46837 has 224 MA's), (Start: 157 @46795 has 5 MA's), (Start: 172 @46744 has 2 MA's), (173, 46735), (183, 46687), (214, 46564), (221, 46522), (264, 46336),

Gene: Parliament_76 Start: 49018, Stop: 48506, Start Num: 139
Candidate Starts for Parliament_76:
(51, 49192), (67, 49159), (Start: 110 @49075 has 2 MA's), (Start: 139 @49018 has 224 MA's), (Start: 157 @48976 has 5 MA's), (Start: 172 @48925 has 2 MA's), (173, 48916), (183, 48868), (214, 48745), (221, 48703), (264, 48517),

Gene: Partridge_57 Start: 40427, Stop: 39903, Start Num: 125
Candidate Starts for Partridge_57:
(Start: 125 @40427 has 201 MA's), (156, 40382), (160, 40364), (186, 40250), (195, 40214), (204, 40187), (208, 40166), (214, 40145), (223, 40097), (248, 39986), (250, 39977), (263, 39920),

Gene: PascalRango_73 Start: 46112, Stop: 45600, Start Num: 139
Candidate Starts for PascalRango_73:
(51, 46286), (67, 46253), (Start: 110 @46169 has 2 MA's), (Start: 139 @46112 has 224 MA's), (Start: 157 @46070 has 5 MA's), (Start: 172 @46019 has 2 MA's), (173, 46010), (183, 45962), (214, 45839), (221, 45797), (264, 45611),

Gene: PatoPoderoso_38 Start: 31351, Stop: 30839, Start Num: 139
Candidate Starts for PatoPoderoso_38:
(78, 31462), (Start: 139 @31351 has 224 MA's), (Start: 157 @31309 has 5 MA's), (Start: 172 @31258 has 2 MA's), (173, 31249), (183, 31201), (214, 31078), (221, 31036), (264, 30850),

Gene: PattyP_75 Start: 46666, Stop: 46154, Start Num: 139
Candidate Starts for PattyP_75:
(51, 46840), (67, 46807), (93, 46744), (Start: 110 @46723 has 2 MA's), (Start: 139 @46666 has 224 MA's), (Start: 157 @46624 has 5 MA's), (Start: 172 @46573 has 2 MA's), (173, 46564), (183, 46516), (214, 46393), (221, 46351), (264, 46165),

Gene: Pavo_31 Start: 24472, Stop: 24927, Start Num: 149
Candidate Starts for Pavo_31:
(Start: 119 @24424 has 17 MA's), (Start: 149 @24472 has 110 MA's), (154, 24490), (167, 24544), (178, 24592), (203, 24703), (221, 24790), (227, 24814),

Gene: Pawn_77 Start: 44820, Stop: 44311, Start Num: 143
Candidate Starts for Pawn_77:
(Start: 143 @44820 has 18 MA's), (Start: 157 @44784 has 5 MA's), (Start: 172 @44733 has 2 MA's), (173, 44724), (186, 44658), (196, 44622), (208, 44574), (214, 44553), (225, 44493), (226, 44490), (232, 44451), (248, 44388), (259, 44343),

Gene: PeaceMeal1_68 Start: 43142, Stop: 42639, Start Num: 135
Candidate Starts for PeaceMeal1_68:
(Start: 100 @43208 has 2 MA's), (111, 43193), (Start: 133 @43145 has 10 MA's), (Start: 135 @43142 has 7 MA's), (Start: 172 @43049 has 2 MA's), (183, 42992), (186, 42974), (190, 42950), (208, 42890), (214, 42869), (240, 42737), (259, 42671), (264, 42650),

Gene: Pelly_78 Start: 49199, Stop: 48687, Start Num: 139
Candidate Starts for Pelly_78:
(51, 49373), (67, 49340), (Start: 110 @49256 has 2 MA's), (Start: 139 @49199 has 224 MA's), (Start: 157 @49157 has 5 MA's), (Start: 172 @49106 has 2 MA's), (173, 49097), (183, 49049), (208, 48947), (214, 48926), (221, 48884), (255, 48740), (264, 48698),

Gene: Pepe_69 Start: 44078, Stop: 43608, Start Num: 157
Candidate Starts for Pepe_69:

(Start: 157 @44078 has 5 MA's), (Start: 172 @44027 has 2 MA's), (173, 44018), (183, 43970), (214, 43847), (221, 43805), (264, 43619),

Gene: Perseus_75 Start: 48099, Stop: 47587, Start Num: 139
Candidate Starts for Perseus_75:
(51, 48273), (67, 48240), (Start: 110 @48156 has 2 MA's), (Start: 139 @48099 has 224 MA's), (Start: 157 @48057 has 5 MA's), (Start: 172 @48006 has 2 MA's), (173, 47997), (183, 47949), (214, 47826), (221, 47784), (264, 47598),

Gene: PeterPeter_70 Start: 44165, Stop: 43653, Start Num: 131
Candidate Starts for PeterPeter_70:
(Start: 131 @44165 has 59 MA's), (Start: 157 @44117 has 5 MA's), (Start: 172 @44066 has 2 MA's), (186, 43991), (190, 43967), (193, 43961), (196, 43955), (208, 43904), (214, 43883), (224, 43826), (232, 43787), (259, 43685),

Gene: Petersenfast_74 Start: 43781, Stop: 43230, Start Num: 125
Candidate Starts for Petersenfast_74:
(Start: 97 @43823 has 4 MA's), (Start: 118 @43793 has 33 MA's), (Start: 125 @43781 has 201 MA's), (141, 43754), (Start: 172 @43664 has 2 MA's), (176, 43640), (183, 43607), (208, 43505), (214, 43481), (216, 43466), (221, 43439), (226, 43418), (232, 43379), (258, 43280), (266, 43247),

Gene: Petp2012_76 Start: 47447, Stop: 46932, Start Num: 139
Candidate Starts for Petp2012_76:
(51, 47621), (67, 47588), (Start: 110 @47504 has 2 MA's), (Start: 139 @47447 has 224 MA's), (Start: 157 @47405 has 5 MA's), (Start: 172 @47354 has 2 MA's), (173, 47345), (183, 47297), (208, 47195), (214, 47174), (221, 47132), (255, 46988), (264, 46946),

Gene: PetterN_77 Start: 44642, Stop: 44112, Start Num: 130
Candidate Starts for PetterN_77:
(65, 44774), (78, 44741), (Start: 130 @44642 has 39 MA's), (147, 44612), (187, 44450), (203, 44390), (208, 44366), (214, 44345), (246, 44192), (249, 44186), (257, 44147),

Gene: Ph8s_80 Start: 45284, Stop: 44853, Start Num: 172
Candidate Starts for Ph8s_80:
(Start: 118 @45413 has 33 MA's), (Start: 125 @45401 has 201 MA's), (Start: 172 @45284 has 2 MA's), (173, 45275), (183, 45227), (186, 45209), (208, 45125), (214, 45101), (221, 45059), (225, 45041), (232, 44999), (258, 44897),

Gene: Phacado_70 Start: 44167, Stop: 43655, Start Num: 131
Candidate Starts for Phacado_70:
(Start: 131 @44167 has 59 MA's), (Start: 157 @44119 has 5 MA's), (Start: 172 @44068 has 2 MA's), (186, 43993), (190, 43969), (193, 43963), (196, 43957), (208, 43906), (214, 43885), (224, 43828), (232, 43789), (259, 43687),

Gene: Phaded_71 Start: 46578, Stop: 46021, Start Num: 118
Candidate Starts for Phaded_71:
(Start: 118 @46578 has 33 MA's), (Start: 125 @46566 has 201 MA's), (Start: 172 @46449 has 2 MA's), (183, 46392), (193, 46344), (208, 46290), (226, 46203), (232, 46164), (258, 46065),

Gene: Phaeder_77 Start: 44644, Stop: 44108, Start Num: 125
Candidate Starts for Phaeder_77:
(Start: 118 @44656 has 33 MA's), (Start: 125 @44644 has 201 MA's), (Start: 172 @44548 has 2 MA's), (173, 44539), (176, 44524), (183, 44491), (214, 44368), (216, 44353), (217, 44350), (225,

44308), (226, 44305), (242, 44227), (258, 44158),

Gene: PhailMary_57 Start: 40448, Stop: 39924, Start Num: 125
Candidate Starts for PhailMary_57:
(Start: 125 @40448 has 201 MA's), (156, 40403), (160, 40385), (186, 40271), (195, 40235), (204, 40208), (208, 40187), (214, 40166), (223, 40118), (248, 40007), (250, 39998), (263, 39941),

Gene: Phalconet_39 Start: 31262, Stop: 30750, Start Num: 139
Candidate Starts for Phalconet_39:
(Start: 139 @31262 has 224 MA's), (Start: 157 @31220 has 5 MA's), (Start: 172 @31169 has 2 MA's), (173, 31160), (183, 31112), (190, 31070), (214, 30989), (221, 30947), (264, 30761),

Gene: Phanphagia_35 Start: 30304, Stop: 29768, Start Num: 119
Candidate Starts for Phanphagia_35:
(Start: 119 @30304 has 17 MA's), (Start: 157 @30238 has 5 MA's), (Start: 172 @30187 has 2 MA's), (173, 30178), (183, 30130), (190, 30088), (214, 30007), (221, 29965), (264, 29779),

Gene: Pharaoh_71 Start: 44723, Stop: 44199, Start Num: 118
Candidate Starts for Pharaoh_71:
(104, 44747), (Start: 118 @44723 has 33 MA's), (Start: 125 @44711 has 201 MA's), (Start: 172 @44618 has 2 MA's), (173, 44609), (183, 44561), (208, 44459), (214, 44435), (219, 44411), (226, 44372), (227, 44369), (232, 44333), (246, 44282), (250, 44270),

Gene: Phelipe_71 Start: 44210, Stop: 43698, Start Num: 131
Candidate Starts for Phelipe_71:
(Start: 131 @44210 has 59 MA's), (Start: 157 @44162 has 5 MA's), (Start: 172 @44111 has 2 MA's), (186, 44036), (190, 44012), (196, 44000), (208, 43949), (214, 43928), (224, 43871), (246, 43778), (259, 43730),

Gene: PherrisBueller_74 Start: 44385, Stop: 43873, Start Num: 139
Candidate Starts for PherrisBueller_74:
(51, 44559), (67, 44526), (Start: 110 @44442 has 2 MA's), (Start: 139 @44385 has 224 MA's), (Start: 157 @44343 has 5 MA's), (Start: 172 @44292 has 2 MA's), (173, 44283), (183, 44235), (214, 44112), (221, 44070), (264, 43884),

Gene: PhesterPhotato_39 Start: 31391, Stop: 30672, Start Num: 42
Candidate Starts for PhesterPhotato_39:
(Start: 42 @31391 has 2 MA's), (48, 31367), (68, 31328), (73, 31319), (113, 31238), (117, 31229), (Start: 119 @31226 has 17 MA's), (Start: 157 @31142 has 5 MA's), (Start: 172 @31091 has 2 MA's), (173, 31082), (183, 31034), (190, 30992), (214, 30911), (221, 30869), (264, 30683),

Gene: Phettuccine_29 Start: 22592, Stop: 23044, Start Num: 149
Candidate Starts for Phettuccine_29:
(18, 22283), (20, 22295), (21, 22301), (22, 22304), (38, 22361), (39, 22364), (53, 22421), (61, 22436), (64, 22439), (66, 22442), (Start: 69 @22451 has 1 MA's), (71, 22454), (84, 22490), (105, 22523), (128, 22565), (Start: 149 @22592 has 110 MA's), (167, 22664), (203, 22823), (221, 22904), (233, 22967),

Gene: Phighter1804_70 Start: 44232, Stop: 43720, Start Num: 131
Candidate Starts for Phighter1804_70:
(Start: 131 @44232 has 59 MA's), (Start: 157 @44184 has 5 MA's), (Start: 172 @44133 has 2 MA's), (186, 44058), (190, 44034), (193, 44028), (196, 44022), (208, 43971), (214, 43950), (224, 43893), (232, 43854), (259, 43752),

Gene: PhineBark_71 Start: 45397, Stop: 44885, Start Num: 139
Candidate Starts for PhineBark_71:
(51, 45571), (67, 45538), (93, 45475), (Start: 110 @45454 has 2 MA's), (Start: 139 @45397 has 224 MA's), (Start: 157 @45355 has 5 MA's), (Start: 172 @45304 has 2 MA's), (173, 45295), (183, 45247), (214, 45124), (221, 45082), (264, 44896),

Gene: PhishRPhriends_75 Start: 44000, Stop: 43491, Start Num: 143
Candidate Starts for PhishRPhriends_75:
(Start: 143 @44000 has 18 MA's), (Start: 157 @43964 has 5 MA's), (Start: 172 @43913 has 2 MA's), (173, 43904), (186, 43838), (196, 43802), (208, 43754), (214, 43733), (225, 43673), (226, 43670), (232, 43631), (248, 43568), (259, 43523),

Gene: Phlippers_73 Start: 47748, Stop: 47236, Start Num: 139
Candidate Starts for Phlippers_73:
(51, 47922), (58, 47904), (67, 47889), (Start: 110 @47805 has 2 MA's), (Start: 139 @47748 has 224 MA's), (Start: 157 @47706 has 5 MA's), (Start: 172 @47655 has 2 MA's), (173, 47646), (183, 47598), (190, 47556), (214, 47475), (221, 47433), (264, 47247),

Gene: Phlorence_68 Start: 43451, Stop: 42921, Start Num: 130
Candidate Starts for Phlorence_68:
(126, 43457), (Start: 130 @43451 has 39 MA's), (203, 43199), (204, 43196), (208, 43175), (214, 43154), (246, 43001), (249, 42995), (257, 42956),

Gene: Phonnegut_77 Start: 44716, Stop: 44180, Start Num: 125
Candidate Starts for Phonnegut_77:
(Start: 118 @44728 has 33 MA's), (Start: 125 @44716 has 201 MA's), (Start: 172 @44620 has 2 MA's), (173, 44611), (176, 44596), (183, 44563), (214, 44440), (216, 44425), (217, 44422), (225, 44380), (226, 44377), (242, 44299),

Gene: Phox_45 Start: 15891, Stop: 16403, Start Num: 139
Candidate Starts for Phox_45:
(46, 15702), (Start: 131 @15879 has 59 MA's), (Start: 139 @15891 has 224 MA's), (Start: 157 @15933 has 5 MA's), (Start: 172 @15984 has 2 MA's), (173, 15993), (183, 16041), (190, 16083), (214, 16164), (221, 16206), (264, 16392),

Gene: PickleBack_70 Start: 43628, Stop: 43098, Start Num: 130
Candidate Starts for PickleBack_70:
(126, 43634), (Start: 130 @43628 has 39 MA's), (203, 43376), (204, 43373), (208, 43352), (214, 43331), (246, 43178), (249, 43172), (257, 43133),

Gene: PinkPlastic_71 Start: 45033, Stop: 44521, Start Num: 139
Candidate Starts for PinkPlastic_71:
(51, 45207), (67, 45174), (93, 45111), (Start: 110 @45090 has 2 MA's), (Start: 139 @45033 has 224 MA's), (Start: 157 @44991 has 5 MA's), (Start: 172 @44940 has 2 MA's), (173, 44931), (183, 44883), (214, 44760), (221, 44718), (264, 44532),

Gene: Pinkcreek_38 Start: 13361, Stop: 13873, Start Num: 139
Candidate Starts for Pinkcreek_38:
(46, 13172), (Start: 131 @13349 has 59 MA's), (Start: 139 @13361 has 224 MA's), (Start: 157 @13403 has 5 MA's), (Start: 172 @13454 has 2 MA's), (173, 13463), (183, 13511), (214, 13634), (221, 13676), (264, 13862),

Gene: Pinto_75 Start: 46896, Stop: 46384, Start Num: 139

Candidate Starts for Pinto_75:
(51, 47070), (67, 47037), (Start: 110 @46953 has 2 MA's), (Start: 139 @46896 has 224 MA's), (Start: 157 @46854 has 5 MA's), (Start: 172 @46803 has 2 MA's), (173, 46794), (183, 46746), (214, 46623), (221, 46581), (255, 46437), (264, 46395),

Gene: Pioneer_77 Start: 44716, Stop: 44180, Start Num: 125
Candidate Starts for Pioneer_77:
(Start: 118 @44728 has 33 MA's), (Start: 125 @44716 has 201 MA's), (Start: 172 @44620 has 2 MA's), (173, 44611), (176, 44596), (183, 44563), (214, 44440), (216, 44425), (217, 44422), (225, 44380), (226, 44377), (242, 44299),

Gene: Pippin_76 Start: 46538, Stop: 46026, Start Num: 139
Candidate Starts for Pippin_76:
(51, 46712), (67, 46679), (93, 46616), (Start: 110 @46595 has 2 MA's), (Start: 139 @46538 has 224 MA's), (Start: 157 @46496 has 5 MA's), (Start: 172 @46445 has 2 MA's), (173, 46436), (183, 46388), (214, 46265), (221, 46223), (264, 46037),

Gene: Piro94_75 Start: 45423, Stop: 44806, Start Num: 97
Candidate Starts for Piro94_75:
(Start: 97 @45423 has 4 MA's), (107, 45411), (Start: 118 @45393 has 33 MA's), (Start: 125 @45381 has 201 MA's), (Start: 172 @45264 has 2 MA's), (173, 45255), (180, 45228), (183, 45207), (208, 45105), (221, 45039), (226, 45018), (232, 44979), (250, 44916),

Gene: Pita2_76 Start: 46539, Stop: 46027, Start Num: 139
Candidate Starts for Pita2_76:
(51, 46713), (67, 46680), (Start: 110 @46596 has 2 MA's), (Start: 139 @46539 has 224 MA's), (Start: 157 @46497 has 5 MA's), (Start: 172 @46446 has 2 MA's), (173, 46437), (183, 46389), (208, 46287), (214, 46266), (221, 46224), (255, 46080), (264, 46038),

Gene: Pmask_77 Start: 44829, Stop: 44302, Start Num: 118
Candidate Starts for Pmask_77:
(Start: 118 @44829 has 33 MA's), (Start: 125 @44817 has 201 MA's), (Start: 172 @44730 has 2 MA's), (173, 44721), (183, 44673), (208, 44571), (214, 44550), (218, 44529), (226, 44487), (232, 44448),

Gene: Polo2Bam_43 Start: 31331, Stop: 30819, Start Num: 139
Candidate Starts for Polo2Bam_43:
(Start: 108 @31391 has 1 MA's), (Start: 139 @31331 has 224 MA's), (Start: 157 @31289 has 5 MA's), (Start: 172 @31238 has 2 MA's), (173, 31229), (183, 31181), (190, 31139), (214, 31058), (221, 31016), (264, 30830),

Gene: Polymorphads_70 Start: 44191, Stop: 43679, Start Num: 131
Candidate Starts for Polymorphads_70:
(Start: 131 @44191 has 59 MA's), (Start: 157 @44143 has 5 MA's), (Start: 172 @44092 has 2 MA's), (186, 44017), (190, 43993), (196, 43981), (208, 43930), (214, 43909), (224, 43852), (246, 43759), (259, 43711),

Gene: Pomar16_78 Start: 45917, Stop: 45372, Start Num: 125
Candidate Starts for Pomar16_78:
(Start: 118 @45929 has 33 MA's), (Start: 125 @45917 has 201 MA's), (Start: 172 @45800 has 2 MA's), (173, 45791), (176, 45776), (183, 45743), (208, 45641), (210, 45635), (214, 45617), (220, 45590), (221, 45575), (222, 45572), (225, 45557), (232, 45515), (248, 45461), (255, 45434), (258, 45416),

Gene: Poompha_67 Start: 43206, Stop: 42637, Start Num: 100
Candidate Starts for Poompha_67:
(Start: 100 @43206 has 2 MA's), (111, 43191), (Start: 133 @43143 has 10 MA's), (Start: 135 @43140 has 7 MA's), (Start: 172 @43047 has 2 MA's), (183, 42990), (186, 42972), (190, 42948), (208, 42888), (214, 42867), (240, 42735), (259, 42669), (264, 42648),

Gene: Pound_183 Start: 95495, Stop: 94983, Start Num: 139
Candidate Starts for Pound_183:
(21, 95786), (57, 95657), (83, 95600), (88, 95591), (128, 95519), (Start: 137 @95498 has 3 MA's), (Start: 139 @95495 has 224 MA's), (Start: 157 @95453 has 5 MA's), (Start: 172 @95402 has 2 MA's), (173, 95393), (183, 95345), (190, 95303), (214, 95222), (221, 95180), (264, 94994),

Gene: Power_75 Start: 45761, Stop: 45186, Start Num: 125
Candidate Starts for Power_75:
(Start: 97 @45803 has 4 MA's), (107, 45791), (Start: 118 @45773 has 33 MA's), (Start: 125 @45761 has 201 MA's), (Start: 172 @45644 has 2 MA's), (173, 45635), (183, 45587), (208, 45485), (226, 45398), (232, 45359), (250, 45296),

Gene: PowerRanger_71 Start: 46471, Stop: 45959, Start Num: 139
Candidate Starts for PowerRanger_71:
(51, 46645), (67, 46612), (93, 46549), (Start: 110 @46528 has 2 MA's), (Start: 139 @46471 has 224 MA's), (Start: 157 @46429 has 5 MA's), (Start: 172 @46378 has 2 MA's), (173, 46369), (183, 46321), (214, 46198), (221, 46156), (264, 45970),

Gene: Prinashe11_67 Start: 43271, Stop: 42741, Start Num: 130
Candidate Starts for Prinashe11_67:
(126, 43277), (Start: 130 @43271 has 39 MA's), (203, 43019), (204, 43016), (208, 42995), (214, 42974), (249, 42815), (257, 42776),

Gene: Priya_75 Start: 44441, Stop: 43905, Start Num: 125
Candidate Starts for Priya_75:
(Start: 118 @44453 has 33 MA's), (Start: 125 @44441 has 201 MA's), (Start: 172 @44345 has 2 MA's), (173, 44336), (176, 44321), (183, 44288), (214, 44165), (216, 44150), (217, 44147), (225, 44105), (226, 44102), (242, 44024), (250, 43994),

Gene: ProMouse_75 Start: 46038, Stop: 45526, Start Num: 139
Candidate Starts for ProMouse_75:
(51, 46212), (67, 46179), (93, 46116), (Start: 110 @46095 has 2 MA's), (Start: 139 @46038 has 224 MA's), (Start: 157 @45996 has 5 MA's), (Start: 172 @45945 has 2 MA's), (173, 45936), (183, 45888), (214, 45765), (221, 45723), (264, 45537),

Gene: Provolone_31 Start: 23851, Stop: 24306, Start Num: 149
Candidate Starts for Provolone_31:
(Start: 119 @23803 has 17 MA's), (Start: 149 @23851 has 110 MA's), (154, 23869), (167, 23923), (178, 23971), (203, 24082), (221, 24169), (227, 24193),

Gene: Prudy_69 Start: 45527, Stop: 44937, Start Num: 118
Candidate Starts for Prudy_69:
(112, 45539), (Start: 118 @45527 has 33 MA's), (Start: 125 @45515 has 201 MA's), (141, 45488), (144, 45485), (Start: 172 @45398 has 2 MA's), (173, 45389), (183, 45341), (208, 45239), (211, 45230), (222, 45170), (225, 45155), (226, 45152), (232, 45113), (248, 45059), (252, 45038), (253, 45026), (258, 44987), (266, 44954),

Gene: Puginator_31 Start: 23903, Stop: 24358, Start Num: 149
Candidate Starts for Puginator_31:
(Start: 149 @23903 has 110 MA's), (167, 23975), (178, 24023), (190, 24095), (203, 24134), (221, 24215),

Gene: Pukovnik_72 Start: 46197, Stop: 45637, Start Num: 118
Candidate Starts for Pukovnik_72:
(Start: 118 @46197 has 33 MA's), (Start: 125 @46185 has 201 MA's), (Start: 137 @46164 has 3 MA's), (Start: 152 @46131 has 1 MA's), (Start: 172 @46068 has 2 MA's), (183, 46011), (208, 45909), (210, 45903), (214, 45885), (226, 45822), (232, 45783), (250, 45717), (258, 45681),

Gene: Puppet_71 Start: 46756, Stop: 46244, Start Num: 139
Candidate Starts for Puppet_71:
(51, 46930), (67, 46897), (Start: 110 @46813 has 2 MA's), (Start: 139 @46756 has 224 MA's), (Start: 157 @46714 has 5 MA's), (Start: 172 @46663 has 2 MA's), (173, 46654), (183, 46606), (190, 46564), (214, 46483), (221, 46441), (264, 46255),

Gene: Puppy_74 Start: 44305, Stop: 43799, Start Num: 135
Candidate Starts for Puppy_74:
(129, 44320), (Start: 131 @44311 has 59 MA's), (Start: 135 @44305 has 7 MA's), (Start: 172 @44212 has 2 MA's), (186, 44137), (187, 44134), (190, 44113), (193, 44107), (197, 44089), (208, 44050), (212, 44035), (214, 44029), (232, 43933), (248, 43876), (259, 43831),

Gene: Pupusa_53 Start: 17252, Stop: 17776, Start Num: 131
Candidate Starts for Pupusa_53:
(46, 17075), (Start: 131 @17252 has 59 MA's), (Start: 139 @17264 has 224 MA's), (Start: 157 @17306 has 5 MA's), (Start: 172 @17357 has 2 MA's), (173, 17366), (183, 17414), (214, 17537), (221, 17579), (264, 17765),

Gene: PurpleHaze_78 Start: 44815, Stop: 44306, Start Num: 143
Candidate Starts for PurpleHaze_78:
(Start: 143 @44815 has 18 MA's), (Start: 157 @44779 has 5 MA's), (Start: 172 @44728 has 2 MA's), (173, 44719), (186, 44653), (196, 44617), (208, 44569), (214, 44548), (225, 44488), (226, 44485), (232, 44446), (248, 44383), (259, 44338),

Gene: QTRlifeCrisis_74 Start: 45881, Stop: 45369, Start Num: 139
Candidate Starts for QTRlifeCrisis_74:
(51, 46055), (67, 46022), (Start: 110 @45938 has 2 MA's), (Start: 139 @45881 has 224 MA's), (Start: 157 @45839 has 5 MA's), (Start: 172 @45788 has 2 MA's), (173, 45779), (183, 45731), (214, 45608), (221, 45566), (264, 45380),

Gene: Qobbit_75 Start: 44403, Stop: 43867, Start Num: 125
Candidate Starts for Qobbit_75:
(Start: 118 @44415 has 33 MA's), (Start: 125 @44403 has 201 MA's), (Start: 172 @44307 has 2 MA's), (173, 44298), (176, 44283), (183, 44250), (214, 44127), (216, 44112), (217, 44109), (225, 44067), (226, 44064), (242, 43986), (250, 43956),

Gene: QueenB2_73 Start: 45044, Stop: 44466, Start Num: 125
Candidate Starts for QueenB2_73:
(62, 45164), (Start: 97 @45086 has 4 MA's), (107, 45074), (Start: 118 @45056 has 33 MA's), (Start: 125 @45044 has 201 MA's), (Start: 172 @44927 has 2 MA's), (173, 44918), (183, 44870), (208, 44768), (226, 44681), (231, 44651), (232, 44642), (250, 44579),

Gene: QueenBeesly_76 Start: 45718, Stop: 45143, Start Num: 125
Candidate Starts for QueenBeesly_76:
(Start: 97 @45760 has 4 MA's), (107, 45748), (Start: 118 @45730 has 33 MA's), (Start: 125 @45718 has 201 MA's), (Start: 172 @45601 has 2 MA's), (173, 45592), (183, 45544), (208, 45442), (226, 45355), (232, 45316), (250, 45253),

Gene: Quokka_77 Start: 44822, Stop: 44373, Start Num: 125
Candidate Starts for Quokka_77:
(35, 45026), (Start: 100 @44861 has 2 MA's), (Start: 118 @44834 has 33 MA's), (Start: 125 @44822 has 201 MA's), (141, 44795), (173, 44696), (176, 44681), (183, 44648), (208, 44546), (210, 44540), (214, 44522), (220, 44495), (221, 44480), (226, 44459), (232, 44420),

Gene: R4_29 Start: 23644, Stop: 24102, Start Num: 149
Candidate Starts for R4_29:
(Start: 115 @23599 has 1 MA's), (Start: 119 @23605 has 17 MA's), (Start: 149 @23644 has 110 MA's), (167, 23716), (178, 23764), (186, 23809), (192, 23839), (203, 23875), (221, 23956), (227, 23980),

Gene: Rabinovish_45 Start: 16067, Stop: 16579, Start Num: 139
Candidate Starts for Rabinovish_45:
(46, 15878), (Start: 131 @16055 has 59 MA's), (Start: 139 @16067 has 224 MA's), (Start: 157 @16109 has 5 MA's), (Start: 172 @16160 has 2 MA's), (173, 16169), (183, 16217), (214, 16340), (221, 16382), (264, 16568),

Gene: Rachaly_71 Start: 44832, Stop: 44260, Start Num: 125
Candidate Starts for Rachaly_71:
(Start: 118 @44844 has 33 MA's), (Start: 125 @44832 has 201 MA's), (Start: 135 @44817 has 7 MA's), (141, 44805), (Start: 172 @44715 has 2 MA's), (173, 44706), (176, 44691), (183, 44658), (186, 44640), (194, 44607), (208, 44556), (221, 44490), (232, 44430), (256, 44325), (266, 44280),

Gene: Rahalelujah_77 Start: 44590, Stop: 44048, Start Num: 118
Candidate Starts for Rahalelujah_77:
(Start: 118 @44590 has 33 MA's), (Start: 125 @44578 has 201 MA's), (Start: 172 @44482 has 2 MA's), (176, 44458), (183, 44425), (186, 44407), (214, 44302), (217, 44284), (225, 44242), (226, 44239), (232, 44200), (242, 44161), (246, 44143), (248, 44140), (250, 44131), (258, 44092),

Gene: Raid_72 Start: 45783, Stop: 45271, Start Num: 139
Candidate Starts for Raid_72:
(51, 45957), (67, 45924), (Start: 110 @45840 has 2 MA's), (Start: 139 @45783 has 224 MA's), (Start: 157 @45741 has 5 MA's), (Start: 172 @45690 has 2 MA's), (173, 45681), (183, 45633), (214, 45510), (221, 45468), (264, 45282),

Gene: Rajelicia_77 Start: 48719, Stop: 48207, Start Num: 139
Candidate Starts for Rajelicia_77:
(51, 48893), (67, 48860), (Start: 110 @48776 has 2 MA's), (Start: 139 @48719 has 224 MA's), (Start: 157 @48677 has 5 MA's), (Start: 172 @48626 has 2 MA's), (173, 48617), (183, 48569), (214, 48446), (221, 48404), (264, 48218),

Gene: Rana_29 Start: 23389, Stop: 23841, Start Num: 149
Candidate Starts for Rana_29:
(Start: 115 @23338 has 1 MA's), (121, 23347), (Start: 149 @23389 has 110 MA's), (167, 23461), (203, 23620), (205, 23629), (207, 23641), (219, 23683), (221, 23701), (227, 23725),

Gene: Ravana_85 Start: 46943, Stop: 46422, Start Num: 125
Candidate Starts for Ravana_85:
(Start: 125 @46943 has 201 MA's), (Start: 157 @46898 has 5 MA's), (Start: 172 @46847 has 2 MA's), (173, 46838), (183, 46790), (208, 46688), (214, 46667), (240, 46529), (246, 46511), (250, 46499), (258, 46463),

Gene: ReMo_82 Start: 45680, Stop: 45159, Start Num: 125
Candidate Starts for ReMo_82:
(Start: 125 @45680 has 201 MA's), (Start: 157 @45635 has 5 MA's), (Start: 172 @45584 has 2 MA's), (173, 45575), (183, 45527), (208, 45425), (214, 45404), (240, 45266), (246, 45248), (250, 45236), (258, 45200),

Gene: Reba_74 Start: 43656, Stop: 43147, Start Num: 143
Candidate Starts for Reba_74:
(Start: 143 @43656 has 18 MA's), (Start: 157 @43620 has 5 MA's), (Start: 172 @43569 has 2 MA's), (173, 43560), (186, 43494), (196, 43458), (208, 43410), (214, 43389), (225, 43329), (226, 43326), (232, 43287), (248, 43224), (259, 43179),

Gene: Rebeuca_71 Start: 44450, Stop: 43944, Start Num: 135
Candidate Starts for Rebeuca_71:
(Start: 100 @44516 has 2 MA's), (111, 44501), (Start: 133 @44453 has 10 MA's), (Start: 135 @44450 has 7 MA's), (Start: 172 @44354 has 2 MA's), (176, 44330), (183, 44297), (186, 44279), (190, 44255), (208, 44195), (214, 44174), (224, 44117), (232, 44078), (240, 44042), (259, 43976), (264, 43955),

Gene: RedBear_30 Start: 23149, Stop: 23601, Start Num: 149
Candidate Starts for RedBear_30:
(114, 23095), (Start: 149 @23149 has 110 MA's), (167, 23221), (203, 23380), (215, 23428), (216, 23434), (219, 23443), (221, 23461), (227, 23485),

Gene: RedRock_74 Start: 45760, Stop: 45170, Start Num: 118
Candidate Starts for RedRock_74:
(112, 45772), (Start: 118 @45760 has 33 MA's), (Start: 125 @45748 has 201 MA's), (148, 45709), (Start: 172 @45631 has 2 MA's), (173, 45622), (183, 45574), (188, 45547), (208, 45472), (211, 45463), (222, 45403), (226, 45385), (232, 45346), (252, 45271),

Gene: Refuge_73 Start: 45856, Stop: 45341, Start Num: 125
Candidate Starts for Refuge_73:
(98, 45901), (Start: 125 @45856 has 201 MA's), (Start: 172 @45766 has 2 MA's), (173, 45757), (183, 45709), (208, 45607), (214, 45583), (219, 45559), (226, 45520), (232, 45481), (250, 45418), (258, 45382), (266, 45349),

Gene: Remus_84 Start: 45610, Stop: 45089, Start Num: 125
Candidate Starts for Remus_84:
(Start: 125 @45610 has 201 MA's), (Start: 157 @45565 has 5 MA's), (Start: 172 @45514 has 2 MA's), (173, 45505), (183, 45457), (208, 45355), (214, 45334), (240, 45196), (246, 45178), (250, 45166), (258, 45130),

Gene: ResDef_71 Start: 44650, Stop: 44138, Start Num: 131
Candidate Starts for ResDef_71:
(Start: 131 @44650 has 59 MA's), (160, 44593), (Start: 172 @44554 has 2 MA's), (173, 44545), (185, 44482), (186, 44479), (193, 44449), (197, 44428), (208, 44389), (214, 44368), (232, 44272), (248, 44215), (259, 44170),

Gene: Retro23_76 Start: 45449, Stop: 44871, Start Num: 125
Candidate Starts for Retro23_76:
(Start: 97 @45491 has 4 MA's), (107, 45479), (Start: 118 @45461 has 33 MA's), (Start: 125 @45449 has 201 MA's), (Start: 172 @45332 has 2 MA's), (173, 45323), (183, 45275), (208, 45173), (222, 45104), (226, 45086), (231, 45056), (232, 45047), (250, 44984),

Gene: RexFury_57 Start: 40154, Stop: 39630, Start Num: 125
Candidate Starts for RexFury_57:
(Start: 125 @40154 has 201 MA's), (156, 40109), (160, 40091), (186, 39977), (195, 39941), (204, 39914), (208, 39893), (214, 39872), (216, 39857), (222, 39827), (223, 39824), (248, 39713), (250, 39704), (263, 39647),

Gene: Rhodalysa_58 Start: 40126, Stop: 39602, Start Num: 125
Candidate Starts for Rhodalysa_58:
(Start: 125 @40126 has 201 MA's), (156, 40081), (160, 40063), (186, 39949), (195, 39913), (204, 39886), (208, 39865), (214, 39844), (216, 39829), (222, 39799), (223, 39796), (226, 39781), (248, 39685), (250, 39676), (263, 39619),

Gene: Rhynn_71 Start: 46307, Stop: 45795, Start Num: 139
Candidate Starts for Rhynn_71:
(55, 46466), (Start: 110 @46364 has 2 MA's), (Start: 139 @46307 has 224 MA's), (Start: 157 @46265 has 5 MA's), (Start: 172 @46214 has 2 MA's), (173, 46205), (183, 46157), (214, 46034), (221, 45992), (255, 45848), (264, 45806),

Gene: Rialto_43 Start: 33485, Stop: 32973, Start Num: 139
Candidate Starts for Rialto_43:
(106, 33539), (Start: 139 @33485 has 224 MA's), (Start: 157 @33443 has 5 MA's), (Start: 172 @33392 has 2 MA's), (173, 33383), (183, 33335), (190, 33293), (214, 33212), (221, 33170), (264, 32984),

Gene: Rifter_78 Start: 43502, Stop: 42987, Start Num: 125
Candidate Starts for Rifter_78:
(56, 43634), (Start: 103 @43538 has 9 MA's), (Start: 118 @43514 has 33 MA's), (Start: 125 @43502 has 201 MA's), (Start: 172 @43415 has 2 MA's), (183, 43358), (208, 43256), (214, 43235), (226, 43172), (232, 43133), (248, 43079), (250, 43070), (265, 43007),

Gene: Ringer_75 Start: 47251, Stop: 46739, Start Num: 139
Candidate Starts for Ringer_75:
(51, 47425), (67, 47392), (Start: 110 @47308 has 2 MA's), (Start: 139 @47251 has 224 MA's), (Start: 157 @47209 has 5 MA's), (Start: 172 @47158 has 2 MA's), (173, 47149), (183, 47101), (214, 46978), (221, 46936), (264, 46750),

Gene: Rohr_78 Start: 48502, Stop: 47990, Start Num: 139
Candidate Starts for Rohr_78:
(51, 48676), (67, 48643), (Start: 110 @48559 has 2 MA's), (Start: 139 @48502 has 224 MA's), (Start: 157 @48460 has 5 MA's), (Start: 172 @48409 has 2 MA's), (173, 48400), (183, 48352), (208, 48250), (214, 48229), (221, 48187), (255, 48043), (264, 48001),

Gene: Roimos_71 Start: 44544, Stop: 44032, Start Num: 131
Candidate Starts for Roimos_71:
(98, 44598), (Start: 131 @44544 has 59 MA's), (Start: 135 @44538 has 7 MA's), (Start: 172 @44445 has 2 MA's), (186, 44370), (187, 44367), (190, 44346), (197, 44322), (208, 44283), (212, 44268), (214, 44262), (232, 44166), (248, 44109), (259, 44064),

Gene: Roksolana_78 Start: 44236, Stop: 43721, Start Num: 125
Candidate Starts for Roksolana_78:
(Start: 103 @44272 has 9 MA's), (Start: 118 @44248 has 33 MA's), (Start: 125 @44236 has 201 MA's), (Start: 172 @44149 has 2 MA's), (183, 44092), (208, 43990), (214, 43969), (226, 43906), (232, 43867), (248, 43813), (250, 43804), (265, 43741),

Gene: Ronan_41 Start: 12698, Stop: 13210, Start Num: 139
Candidate Starts for Ronan_41:
(46, 12509), (Start: 131 @12686 has 59 MA's), (Start: 139 @12698 has 224 MA's), (Start: 157 @12740 has 5 MA's), (Start: 172 @12791 has 2 MA's), (173, 12800), (183, 12848), (190, 12890), (214, 12971), (221, 13013), (264, 13199),

Gene: Rosa24_67 Start: 44199, Stop: 43687, Start Num: 131
Candidate Starts for Rosa24_67:
(Start: 131 @44199 has 59 MA's), (Start: 157 @44151 has 5 MA's), (Start: 172 @44100 has 2 MA's), (186, 44025), (190, 44001), (193, 43995), (196, 43989), (208, 43938), (214, 43917), (224, 43860), (232, 43821), (259, 43719),

Gene: Rosalind_82 Start: 45504, Stop: 44983, Start Num: 125
Candidate Starts for Rosalind_82:
(Start: 125 @45504 has 201 MA's), (Start: 157 @45459 has 5 MA's), (Start: 172 @45408 has 2 MA's), (173, 45399), (183, 45351), (208, 45249), (214, 45228), (240, 45090), (246, 45072), (250, 45060), (258, 45024),

Gene: Rowdy_72 Start: 44148, Stop: 43642, Start Num: 135
Candidate Starts for Rowdy_72:
(Start: 100 @44214 has 2 MA's), (111, 44199), (Start: 135 @44148 has 7 MA's), (Start: 157 @44106 has 5 MA's), (Start: 172 @44055 has 2 MA's), (176, 44031), (183, 43998), (186, 43980), (190, 43956), (208, 43896), (214, 43875), (240, 43743), (259, 43677), (264, 43656),

Gene: Rubeus_76 Start: 45002, Stop: 44490, Start Num: 139
Candidate Starts for Rubeus_76:
(51, 45176), (67, 45143), (Start: 110 @45059 has 2 MA's), (Start: 139 @45002 has 224 MA's), (Start: 157 @44960 has 5 MA's), (Start: 172 @44909 has 2 MA's), (173, 44900), (183, 44852), (214, 44729), (221, 44687), (264, 44501),

Gene: Rufus_78 Start: 47691, Stop: 47179, Start Num: 139
Candidate Starts for Rufus_78:
(51, 47865), (67, 47832), (Start: 110 @47748 has 2 MA's), (Start: 139 @47691 has 224 MA's), (Start: 157 @47649 has 5 MA's), (Start: 172 @47598 has 2 MA's), (173, 47589), (183, 47541), (214, 47418), (221, 47376), (264, 47190),

Gene: Ruotula_79 Start: 48104, Stop: 47592, Start Num: 139
Candidate Starts for Ruotula_79:
(51, 48278), (67, 48245), (Start: 110 @48161 has 2 MA's), (Start: 139 @48104 has 224 MA's), (Start: 157 @48062 has 5 MA's), (Start: 172 @48011 has 2 MA's), (173, 48002), (183, 47954), (214, 47831), (221, 47789), (264, 47603),

Gene: Rusticus_30 Start: 22949, Stop: 23401, Start Num: 149
Candidate Starts for Rusticus_30:
(2, 22409), (4, 22439), (7, 22490), (9, 22517), (44, 22751), (105, 22880), (128, 22922), (Start: 149 @22949 has 110 MA's), (Start: 157 @22982 has 5 MA's), (167, 23021), (203, 23180), (221, 23261),

(233, 23324),

Gene: Rutherferd_77 Start: 47271, Stop: 46759, Start Num: 139
Candidate Starts for Rutherferd_77:
(51, 47445), (58, 47427), (67, 47412), (Start: 110 @47328 has 2 MA's), (Start: 139 @47271 has 224 MA's), (Start: 157 @47229 has 5 MA's), (Start: 172 @47178 has 2 MA's), (173, 47169), (183, 47121), (214, 46998), (221, 46956), (264, 46770),

Gene: RyeScarlet_78 Start: 44691, Stop: 44155, Start Num: 125
Candidate Starts for RyeScarlet_78:
(Start: 118 @44703 has 33 MA's), (Start: 125 @44691 has 201 MA's), (Start: 172 @44595 has 2 MA's), (173, 44586), (176, 44571), (183, 44538), (214, 44415), (216, 44400), (217, 44397), (225, 44355), (226, 44352), (242, 44274),

Gene: STLscum_81 Start: 47313, Stop: 46801, Start Num: 139
Candidate Starts for STLscum_81:
(51, 47487), (67, 47454), (Start: 110 @47370 has 2 MA's), (Start: 139 @47313 has 224 MA's), (Start: 157 @47271 has 5 MA's), (Start: 172 @47220 has 2 MA's), (173, 47211), (183, 47163), (214, 47040), (221, 46998), (264, 46812),

Gene: Sachima_73 Start: 44672, Stop: 44136, Start Num: 125
Candidate Starts for Sachima_73:
(Start: 118 @44684 has 33 MA's), (Start: 125 @44672 has 201 MA's), (Start: 172 @44576 has 2 MA's), (173, 44567), (176, 44552), (183, 44519), (214, 44396), (216, 44381), (217, 44378), (225, 44336), (226, 44333), (242, 44255),

Gene: Saftant_30 Start: 24499, Stop: 24954, Start Num: 149
Candidate Starts for Saftant_30:
(Start: 149 @24499 has 110 MA's), (167, 24571), (168, 24574), (203, 24730), (221, 24817), (226, 24838), (227, 24841), (239, 24910), (250, 24946),

Gene: Sagefire_72 Start: 46361, Stop: 45849, Start Num: 139
Candidate Starts for Sagefire_72:
(51, 46535), (67, 46502), (Start: 110 @46418 has 2 MA's), (Start: 139 @46361 has 224 MA's), (Start: 157 @46319 has 5 MA's), (Start: 172 @46268 has 2 MA's), (173, 46259), (183, 46211), (214, 46088), (221, 46046), (264, 45860),

Gene: Salz_73 Start: 43696, Stop: 43145, Start Num: 125
Candidate Starts for Salz_73:
(Start: 97 @43738 has 4 MA's), (Start: 118 @43708 has 33 MA's), (Start: 125 @43696 has 201 MA's), (141, 43669), (Start: 172 @43579 has 2 MA's), (176, 43555), (183, 43522), (208, 43420), (214, 43396), (216, 43381), (221, 43354), (226, 43333), (232, 43294), (258, 43195), (266, 43162),

Gene: SamScheppers_83 Start: 52699, Stop: 53205, Start Num: 138
Candidate Starts for SamScheppers_83:
(Start: 138 @52699 has 1 MA's), (Start: 157 @52744 has 5 MA's), (173, 52804), (176, 52819), (186, 52870), (216, 52993), (219, 53002), (229, 53062), (232, 53080), (248, 53137),

Gene: Sandaddy_73 Start: 46693, Stop: 46181, Start Num: 139
Candidate Starts for Sandaddy_73:
(51, 46867), (67, 46834), (Start: 110 @46750 has 2 MA's), (Start: 139 @46693 has 224 MA's), (Start: 157 @46651 has 5 MA's), (Start: 172 @46600 has 2 MA's), (173, 46591), (183, 46543), (214, 46420), (221, 46378), (264, 46192),

Gene: Sanya_74 Start: 46998, Stop: 46486, Start Num: 139
Candidate Starts for Sanya_74:
(51, 47172), (67, 47139), (Start: 110 @47055 has 2 MA's), (Start: 139 @46998 has 224 MA's), (Start: 157 @46956 has 5 MA's), (Start: 172 @46905 has 2 MA's), (173, 46896), (183, 46848), (214, 46725), (221, 46683), (264, 46497),

Gene: SarahRose_28 Start: 22881, Stop: 23333, Start Num: 149
Candidate Starts for SarahRose_28:
(146, 22878), (Start: 149 @22881 has 110 MA's), (167, 22953), (175, 22992), (203, 23112), (213, 23151), (221, 23193), (227, 23217),

Gene: Saskia_76 Start: 44244, Stop: 43693, Start Num: 125
Candidate Starts for Saskia_76:
(Start: 97 @44286 has 4 MA's), (Start: 118 @44256 has 33 MA's), (Start: 125 @44244 has 201 MA's), (141, 44217), (Start: 172 @44127 has 2 MA's), (176, 44103), (183, 44070), (208, 43968), (214, 43944), (216, 43929), (221, 43902), (226, 43881), (232, 43842), (258, 43743), (266, 43710),

Gene: SaturnRing_73 Start: 44692, Stop: 44180, Start Num: 131
Candidate Starts for SaturnRing_73:
(129, 44701), (Start: 131 @44692 has 59 MA's), (Start: 135 @44686 has 7 MA's), (Start: 172 @44593 has 2 MA's), (186, 44518), (190, 44494), (193, 44488), (197, 44470), (208, 44431), (212, 44416), (214, 44410), (232, 44314), (248, 44257), (259, 44212),

Gene: Scamp_70 Start: 44173, Stop: 43661, Start Num: 131
Candidate Starts for Scamp_70:
(Start: 131 @44173 has 59 MA's), (Start: 157 @44125 has 5 MA's), (Start: 172 @44074 has 2 MA's), (186, 43999), (190, 43975), (193, 43969), (196, 43963), (208, 43912), (214, 43891), (224, 43834), (232, 43795), (259, 43693),

Gene: Scherzo_76 Start: 44948, Stop: 44400, Start Num: 118
Candidate Starts for Scherzo_76:
(Start: 118 @44948 has 33 MA's), (Start: 125 @44936 has 201 MA's), (Start: 172 @44840 has 2 MA's), (176, 44816), (183, 44783), (214, 44660), (216, 44645), (217, 44642), (225, 44600), (226, 44597), (242, 44519),

Gene: Scorpia_73 Start: 44213, Stop: 43683, Start Num: 130
Candidate Starts for Scorpia_73:
(65, 44345), (78, 44312), (Start: 130 @44213 has 39 MA's), (147, 44183), (187, 44021), (203, 43961), (208, 43937), (214, 43916), (246, 43763), (249, 43757), (257, 43718),

Gene: Scout_72 Start: 43869, Stop: 43357, Start Num: 131
Candidate Starts for Scout_72:
(98, 43923), (Start: 131 @43869 has 59 MA's), (Start: 135 @43863 has 7 MA's), (Start: 172 @43770 has 2 MA's), (186, 43695), (187, 43692), (190, 43671), (197, 43647), (208, 43608), (212, 43593), (214, 43587), (232, 43491), (248, 43434), (259, 43389),

Gene: Scowl_76 Start: 46658, Stop: 46146, Start Num: 139
Candidate Starts for Scowl_76:
(51, 46832), (58, 46814), (67, 46799), (Start: 110 @46715 has 2 MA's), (Start: 139 @46658 has 224 MA's), (Start: 157 @46616 has 5 MA's), (Start: 172 @46565 has 2 MA's), (173, 46556), (183, 46508), (214, 46385), (221, 46343), (255, 46199), (264, 46157),

Gene: SeaLumen_43 Start: 31331, Stop: 30819, Start Num: 139
Candidate Starts for SeaLumen_43:
(Start: 108 @31391 has 1 MA's), (Start: 139 @31331 has 224 MA's), (Start: 157 @31289 has 5 MA's), (Start: 172 @31238 has 2 MA's), (173, 31229), (183, 31181), (190, 31139), (214, 31058), (221, 31016), (264, 30830),

Gene: Seabiscuit_75 Start: 45167, Stop: 44655, Start Num: 139
Candidate Starts for Seabiscuit_75:
(3, 45692), (10, 45578), (16, 45509), (51, 45341), (67, 45308), (Start: 110 @45224 has 2 MA's), (Start: 139 @45167 has 224 MA's), (Start: 157 @45125 has 5 MA's), (Start: 172 @45074 has 2 MA's), (173, 45065), (183, 45017), (214, 44894), (221, 44852), (264, 44666),

Gene: Seanderson_75 Start: 48062, Stop: 47550, Start Num: 139
Candidate Starts for Seanderson_75:
(51, 48236), (67, 48203), (93, 48140), (Start: 110 @48119 has 2 MA's), (Start: 139 @48062 has 224 MA's), (Start: 157 @48020 has 5 MA's), (Start: 172 @47969 has 2 MA's), (173, 47960), (183, 47912), (214, 47789), (221, 47747), (264, 47561),

Gene: SemperFi_76 Start: 45606, Stop: 45031, Start Num: 125
Candidate Starts for SemperFi_76:
(Start: 97 @45648 has 4 MA's), (107, 45636), (Start: 118 @45618 has 33 MA's), (Start: 125 @45606 has 201 MA's), (Start: 172 @45489 has 2 MA's), (173, 45480), (183, 45432), (208, 45330), (226, 45243), (232, 45204), (250, 45141),

Gene: Serenity_79 Start: 45017, Stop: 44466, Start Num: 125
Candidate Starts for Serenity_79:
(35, 45218), (74, 45116), (80, 45095), (Start: 100 @45056 has 2 MA's), (Start: 118 @45029 has 33 MA's), (Start: 125 @45017 has 201 MA's), (141, 44990), (173, 44891), (176, 44876), (183, 44843), (208, 44741), (210, 44735), (214, 44717), (220, 44690), (221, 44675), (226, 44654), (232, 44615), (250, 44552),

Gene: Severus_68 Start: 43143, Stop: 42637, Start Num: 133
Candidate Starts for Severus_68:
(Start: 100 @43206 has 2 MA's), (111, 43191), (Start: 133 @43143 has 10 MA's), (Start: 135 @43140 has 7 MA's), (Start: 172 @43047 has 2 MA's), (183, 42990), (186, 42972), (190, 42948), (208, 42888), (214, 42867), (240, 42735), (259, 42669), (264, 42648),

Gene: Sham4_74 Start: 43779, Stop: 43276, Start Num: 125
Candidate Starts for Sham4_74:
(Start: 97 @43821 has 4 MA's), (Start: 118 @43791 has 33 MA's), (Start: 125 @43779 has 201 MA's), (141, 43752), (Start: 172 @43662 has 2 MA's), (176, 43638), (183, 43605), (208, 43503), (214, 43479), (216, 43464), (221, 43437), (226, 43416), (232, 43377),

Gene: Shapes_72 Start: 44148, Stop: 43642, Start Num: 135
Candidate Starts for Shapes_72:
(Start: 100 @44214 has 2 MA's), (111, 44199), (Start: 135 @44148 has 7 MA's), (Start: 157 @44106 has 5 MA's), (Start: 172 @44055 has 2 MA's), (176, 44031), (183, 43998), (186, 43980), (190, 43956), (208, 43896), (214, 43875), (240, 43743), (259, 43677), (264, 43656),

Gene: Shaqnato_43 Start: 13851, Stop: 14363, Start Num: 139
Candidate Starts for Shaqnato_43:
(46, 13662), (Start: 131 @13839 has 59 MA's), (Start: 139 @13851 has 224 MA's), (Start: 157 @13893 has 5 MA's), (Start: 172 @13944 has 2 MA's), (173, 13953), (183, 14001), (190, 14043), (214, 14124),

(221, 14166), (264, 14352),

Gene: Shauna1_36 Start: 30307, Stop: 29771, Start Num: 119
Candidate Starts for Shauna1_36:
(Start: 119 @30307 has 17 MA's), (Start: 157 @30241 has 5 MA's), (Start: 172 @30190 has 2 MA's), (173, 30181), (183, 30133), (190, 30091), (214, 30010), (221, 29968), (264, 29782),

Gene: SheaKeira_71 Start: 43755, Stop: 43222, Start Num: 125
Candidate Starts for SheaKeira_71:
(Start: 125 @43755 has 201 MA's), (163, 43692), (Start: 172 @43659 has 2 MA's), (176, 43635), (183, 43602), (186, 43584), (214, 43479), (216, 43464), (217, 43461), (225, 43419), (226, 43416), (241, 43341), (243, 43335), (246, 43320), (248, 43317), (250, 43308),

Gene: Sheen_74 Start: 48075, Stop: 47566, Start Num: 132
Candidate Starts for Sheen_74:
(124, 48093), (Start: 132 @48075 has 3 MA's), (Start: 172 @47976 has 2 MA's), (183, 47919), (185, 47904), (186, 47901), (187, 47898), (190, 47877), (196, 47865), (214, 47796), (224, 47739), (248, 47643), (259, 47598),

Gene: ShortQueendom_70 Start: 44367, Stop: 43855, Start Num: 139
Candidate Starts for ShortQueendom_70:
(51, 44541), (67, 44508), (Start: 110 @44424 has 2 MA's), (Start: 139 @44367 has 224 MA's), (Start: 157 @44325 has 5 MA's), (Start: 172 @44274 has 2 MA's), (173, 44265), (183, 44217), (214, 44094), (221, 44052), (264, 43866),

Gene: Shuman_59 Start: 40077, Stop: 39553, Start Num: 125
Candidate Starts for Shuman_59:
(Start: 125 @40077 has 201 MA's), (156, 40032), (160, 40014), (186, 39900), (195, 39864), (204, 39837), (208, 39816), (214, 39795), (216, 39780), (222, 39750), (223, 39747), (248, 39636), (250, 39627), (263, 39570),

Gene: Sibs6_75 Start: 44007, Stop: 43492, Start Num: 139
Candidate Starts for Sibs6_75:
(51, 44181), (67, 44148), (Start: 110 @44064 has 2 MA's), (Start: 139 @44007 has 224 MA's), (Start: 157 @43965 has 5 MA's), (Start: 172 @43914 has 2 MA's), (173, 43905), (183, 43857), (208, 43755), (214, 43734), (221, 43692), (255, 43548), (264, 43506),

Gene: Skadoosh_68 Start: 44120, Stop: 43656, Start Num: 157
Candidate Starts for Skadoosh_68:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Sknot_76 Start: 45409, Stop: 44840, Start Num: 125
Candidate Starts for Sknot_76:
(Start: 97 @45451 has 4 MA's), (107, 45439), (Start: 118 @45421 has 33 MA's), (Start: 125 @45409 has 201 MA's), (Start: 172 @45292 has 2 MA's), (173, 45283), (180, 45256), (183, 45235), (208, 45133), (221, 45067), (226, 45046), (232, 45007), (250, 44944),

Gene: Slagathor_76 Start: 47519, Stop: 47007, Start Num: 139
Candidate Starts for Slagathor_76:
(51, 47693), (67, 47660), (Start: 110 @47576 has 2 MA's), (Start: 139 @47519 has 224 MA's), (Start: 157 @47477 has 5 MA's), (Start: 172 @47426 has 2 MA's), (173, 47417), (183, 47369), (214, 47246),

(221, 47204), (264, 47018),

Gene: Smeagan_78 Start: 45993, Stop: 45418, Start Num: 125
Candidate Starts for Smeagan_78:
(Start: 97 @46035 has 4 MA's), (107, 46023), (Start: 118 @46005 has 33 MA's), (Start: 125 @45993 has 201 MA's), (Start: 172 @45876 has 2 MA's), (173, 45867), (183, 45819), (208, 45717), (226, 45630), (232, 45591), (250, 45528),

Gene: Smeagol_78 Start: 48727, Stop: 48215, Start Num: 139
Candidate Starts for Smeagol_78:
(51, 48901), (67, 48868), (Start: 110 @48784 has 2 MA's), (Start: 139 @48727 has 224 MA's), (Start: 157 @48685 has 5 MA's), (Start: 172 @48634 has 2 MA's), (173, 48625), (183, 48577), (214, 48454), (221, 48412), (264, 48226),

Gene: SmellyB_78 Start: 44178, Stop: 43663, Start Num: 125
Candidate Starts for SmellyB_78:
(Start: 118 @44190 has 33 MA's), (Start: 125 @44178 has 201 MA's), (Start: 172 @44091 has 2 MA's), (173, 44082), (183, 44034), (208, 43932), (214, 43911), (218, 43890), (226, 43848), (232, 43809),

Gene: SnapTap_75 Start: 45417, Stop: 44842, Start Num: 125
Candidate Starts for SnapTap_75:
(Start: 97 @45459 has 4 MA's), (107, 45447), (Start: 118 @45429 has 33 MA's), (Start: 125 @45417 has 201 MA's), (Start: 172 @45300 has 2 MA's), (173, 45291), (183, 45243), (208, 45141), (226, 45054), (232, 45015), (248, 44961), (250, 44952),

Gene: Snape_78 Start: 44889, Stop: 44338, Start Num: 125
Candidate Starts for Snape_78:
(Start: 97 @44931 has 4 MA's), (Start: 118 @44901 has 33 MA's), (Start: 125 @44889 has 201 MA's), (141, 44862), (Start: 172 @44772 has 2 MA's), (176, 44748), (183, 44715), (208, 44613), (214, 44589), (216, 44574), (221, 44547), (226, 44526), (232, 44487), (258, 44388), (266, 44355),

Gene: Snazzy_76 Start: 47170, Stop: 46655, Start Num: 139
Candidate Starts for Snazzy_76:
(51, 47344), (67, 47311), (Start: 110 @47227 has 2 MA's), (Start: 139 @47170 has 224 MA's), (Start: 157 @47128 has 5 MA's), (Start: 172 @47077 has 2 MA's), (173, 47068), (183, 47020), (208, 46918), (214, 46897), (221, 46855), (255, 46711), (264, 46669),

Gene: Snorlax_28 Start: 22884, Stop: 23336, Start Num: 149
Candidate Starts for Snorlax_28:
(146, 22881), (Start: 149 @22884 has 110 MA's), (167, 22956), (175, 22995), (203, 23115), (213, 23154), (221, 23196), (227, 23220),

Gene: SoilDragon_78 Start: 44449, Stop: 43940, Start Num: 143
Candidate Starts for SoilDragon_78:
(Start: 143 @44449 has 18 MA's), (Start: 157 @44413 has 5 MA's), (Start: 172 @44362 has 2 MA's), (173, 44353), (186, 44287), (196, 44251), (208, 44203), (214, 44182), (225, 44122), (226, 44119), (232, 44080), (248, 44017), (259, 43972),

Gene: Solon_71 Start: 44805, Stop: 44293, Start Num: 139
Candidate Starts for Solon_71:
(51, 44979), (67, 44946), (Start: 110 @44862 has 2 MA's), (Start: 139 @44805 has 224 MA's), (Start: 157 @44763 has 5 MA's), (Start: 172 @44712 has 2 MA's), (173, 44703), (183, 44655), (190, 44613),

(214, 44532), (221, 44490), (264, 44304),

Gene: SororFago_77 Start: 45812, Stop: 45285, Start Num: 125
Candidate Starts for SororFago_77:
(Start: 125 @45812 has 201 MA's), (Start: 172 @45710 has 2 MA's), (176, 45686), (179, 45677), (183, 45653), (208, 45551), (209, 45548), (214, 45530), (219, 45506), (225, 45470), (237, 45404), (241, 45392), (255, 45347), (258, 45329),

Gene: Sorpresa_74 Start: 46699, Stop: 46187, Start Num: 139
Candidate Starts for Sorpresa_74:
(51, 46873), (67, 46840), (Start: 110 @46756 has 2 MA's), (Start: 139 @46699 has 224 MA's), (Start: 157 @46657 has 5 MA's), (Start: 172 @46606 has 2 MA's), (173, 46597), (183, 46549), (214, 46426), (221, 46384), (264, 46198),

Gene: Soul22_44 Start: 31554, Stop: 31018, Start Num: 119
Candidate Starts for Soul22_44:
(Start: 119 @31554 has 17 MA's), (Start: 157 @31488 has 5 MA's), (Start: 172 @31437 has 2 MA's), (173, 31428), (183, 31380), (190, 31338), (214, 31257), (221, 31215), (264, 31029),

Gene: Soups_83 Start: 45399, Stop: 44878, Start Num: 125
Candidate Starts for Soups_83:
(Start: 125 @45399 has 201 MA's), (Start: 157 @45354 has 5 MA's), (Start: 172 @45303 has 2 MA's), (173, 45294), (183, 45246), (208, 45144), (214, 45123), (240, 44985), (246, 44967), (250, 44955), (258, 44919),

Gene: South40_29 Start: 23149, Stop: 23601, Start Num: 149
Candidate Starts for South40_29:
(114, 23095), (Start: 149 @23149 has 110 MA's), (167, 23221), (203, 23380), (215, 23428), (216, 23434), (219, 23443), (221, 23461), (227, 23485),

Gene: Speedwell_35 Start: 25751, Stop: 26206, Start Num: 149
Candidate Starts for Speedwell_35:
(34, 25496), (47, 25550), (84, 25634), (92, 25652), (112, 25682), (Start: 118 @25694 has 33 MA's), (123, 25706), (Start: 149 @25751 has 110 MA's), (154, 25769), (167, 25823), (175, 25862), (178, 25871), (203, 25982), (215, 26036), (217, 26045), (221, 26069), (227, 26093),

Gene: SpikeBT_72 Start: 45627, Stop: 45115, Start Num: 139
Candidate Starts for SpikeBT_72:
(51, 45801), (67, 45768), (Start: 110 @45684 has 2 MA's), (Start: 139 @45627 has 224 MA's), (Start: 157 @45585 has 5 MA's), (Start: 172 @45534 has 2 MA's), (173, 45525), (183, 45477), (214, 45354), (221, 45312), (264, 45126),

Gene: Spino_69 Start: 44171, Stop: 43659, Start Num: 131
Candidate Starts for Spino_69:
(Start: 131 @44171 has 59 MA's), (Start: 157 @44123 has 5 MA's), (Start: 172 @44072 has 2 MA's), (186, 43997), (190, 43973), (193, 43967), (196, 43961), (208, 43910), (214, 43889), (224, 43832), (232, 43793), (259, 43691),

Gene: Spouty_75 Start: 44440, Stop: 43904, Start Num: 125
Candidate Starts for Spouty_75:
(Start: 118 @44452 has 33 MA's), (Start: 125 @44440 has 201 MA's), (Start: 172 @44344 has 2 MA's), (173, 44335), (176, 44320), (183, 44287), (214, 44164), (216, 44149), (217, 44146), (225, 44104), (226, 44101), (242, 44023), (250, 43993),

Gene: SqueakyClean_30 Start: 23485, Stop: 23943, Start Num: 149
Candidate Starts for SqueakyClean_30:
(Start: 115 @23440 has 1 MA's), (Start: 119 @23446 has 17 MA's), (121, 23449), (Start: 149 @23485 has 110 MA's), (167, 23557), (178, 23605), (192, 23680), (201, 23710), (203, 23716), (205, 23725), (221, 23797), (227, 23821),

Gene: Squee_76 Start: 46243, Stop: 45731, Start Num: 139
Candidate Starts for Squee_76:
(51, 46417), (67, 46384), (Start: 110 @46300 has 2 MA's), (Start: 139 @46243 has 224 MA's), (Start: 157 @46201 has 5 MA's), (Start: 172 @46150 has 2 MA's), (173, 46141), (183, 46093), (214, 45970), (221, 45928), (264, 45742),

Gene: Squint_188 Start: 94539, Stop: 94027, Start Num: 139
Candidate Starts for Squint_188:
(21, 94830), (57, 94701), (83, 94644), (88, 94635), (128, 94563), (Start: 137 @94542 has 3 MA's), (Start: 139 @94539 has 224 MA's), (Start: 157 @94497 has 5 MA's), (Start: 172 @94446 has 2 MA's), (173, 94437), (183, 94389), (190, 94347), (214, 94266), (221, 94224), (264, 94038),

Gene: StAnnes_38 Start: 31732, Stop: 31220, Start Num: 139
Candidate Starts for StAnnes_38:
(Start: 139 @31732 has 224 MA's), (Start: 157 @31690 has 5 MA's), (Start: 172 @31639 has 2 MA's), (173, 31630), (183, 31582), (190, 31540), (214, 31459), (221, 31417), (264, 31231),

Gene: StCroix_57 Start: 40148, Stop: 39624, Start Num: 125
Candidate Starts for StCroix_57:
(Start: 125 @40148 has 201 MA's), (156, 40103), (160, 40085), (186, 39971), (195, 39935), (204, 39908), (208, 39887), (214, 39866), (216, 39851), (222, 39821), (223, 39818), (226, 39803), (248, 39707), (250, 39698), (263, 39641),

Gene: StarStuff_78 Start: 45880, Stop: 45335, Start Num: 125
Candidate Starts for StarStuff_78:
(Start: 118 @45892 has 33 MA's), (Start: 125 @45880 has 201 MA's), (Start: 172 @45763 has 2 MA's), (173, 45754), (176, 45739), (183, 45706), (208, 45604), (210, 45598), (214, 45580), (220, 45553), (221, 45538), (225, 45520), (232, 45478), (248, 45424), (255, 45397), (258, 45379),

Gene: Steamy_70 Start: 44186, Stop: 43647, Start Num: 125
Candidate Starts for Steamy_70:
(Start: 125 @44186 has 201 MA's), (176, 44054), (181, 44039), (183, 44021), (186, 44003), (208, 43919), (214, 43895), (227, 43829), (232, 43793), (258, 43694),

Gene: Stellammi_185 Start: 83525, Stop: 83043, Start Num: 170
Candidate Starts for Stellammi_185:
(25, 83909), (101, 83702), (162, 83555), (169, 83528), (Start: 170 @83525 has 1 MA's), (177, 83489), (198, 83378), (206, 83339), (218, 83288), (219, 83285), (235, 83186),

Gene: StewieG_70 Start: 43777, Stop: 43241, Start Num: 139
Candidate Starts for StewieG_70:
(51, 43951), (67, 43918), (Start: 110 @43834 has 2 MA's), (Start: 139 @43777 has 224 MA's), (Start: 157 @43735 has 5 MA's), (Start: 172 @43684 has 2 MA's), (173, 43675), (183, 43627), (214, 43504), (221, 43462), (234, 43384),

Gene: StrongArm_71 Start: 46175, Stop: 45663, Start Num: 139

Candidate Starts for StrongArm_71:
(51, 46349), (67, 46316), (Start: 110 @46232 has 2 MA's), (Start: 139 @46175 has 224 MA's), (Start: 157 @46133 has 5 MA's), (Start: 172 @46082 has 2 MA's), (173, 46073), (183, 46025), (214, 45902), (221, 45860), (264, 45674),

Gene: Strosahl_84 Start: 45610, Stop: 45089, Start Num: 125
Candidate Starts for Strosahl_84:
(Start: 125 @45610 has 201 MA's), (Start: 157 @45565 has 5 MA's), (Start: 172 @45514 has 2 MA's), (173, 45505), (183, 45457), (208, 45355), (214, 45334), (240, 45196), (246, 45178), (250, 45166), (258, 45130),

Gene: Stubby_43 Start: 14678, Stop: 15190, Start Num: 139
Candidate Starts for Stubby_43:
(46, 14489), (Start: 131 @14666 has 59 MA's), (Start: 139 @14678 has 224 MA's), (Start: 157 @14720 has 5 MA's), (Start: 172 @14771 has 2 MA's), (173, 14780), (183, 14828), (214, 14951), (221, 14993), (264, 15179),

Gene: Sudan_30 Start: 24295, Stop: 24750, Start Num: 149
Candidate Starts for Sudan_30:
(Start: 149 @24295 has 110 MA's), (154, 24313), (167, 24367), (178, 24415), (203, 24526), (221, 24613), (227, 24637),

Gene: Sujidade_30 Start: 23705, Stop: 24157, Start Num: 149
Candidate Starts for Sujidade_30:
(121, 23663), (Start: 149 @23705 has 110 MA's), (167, 23777), (186, 23870), (203, 23936), (207, 23957), (219, 23999), (221, 24017), (227, 24041),

Gene: Sultana_70 Start: 44168, Stop: 43656, Start Num: 131
Candidate Starts for Sultana_70:
(Start: 131 @44168 has 59 MA's), (Start: 157 @44120 has 5 MA's), (Start: 172 @44069 has 2 MA's), (186, 43994), (190, 43970), (193, 43964), (196, 43958), (208, 43907), (214, 43886), (224, 43829), (232, 43790), (259, 43688),

Gene: Sumter_72 Start: 47168, Stop: 46656, Start Num: 139
Candidate Starts for Sumter_72:
(51, 47342), (67, 47309), (Start: 110 @47225 has 2 MA's), (Start: 139 @47168 has 224 MA's), (Start: 157 @47126 has 5 MA's), (Start: 172 @47075 has 2 MA's), (173, 47066), (183, 47018), (214, 46895), (221, 46853), (255, 46709), (264, 46667),

Gene: Sunhee_77 Start: 43894, Stop: 43367, Start Num: 125
Candidate Starts for Sunhee_77:
(Start: 118 @43906 has 33 MA's), (Start: 125 @43894 has 201 MA's), (160, 43831), (Start: 172 @43792 has 2 MA's), (176, 43768), (179, 43759), (183, 43735), (186, 43717), (208, 43633), (214, 43612), (219, 43588), (237, 43486), (250, 43447), (262, 43393),

Gene: SunkenRoot_30 Start: 24932, Stop: 25387, Start Num: 149
Candidate Starts for SunkenRoot_30:
(94, 24839), (Start: 110 @24860 has 2 MA's), (Start: 149 @24932 has 110 MA's), (167, 25004), (203, 25163), (221, 25250), (227, 25274), (239, 25343),

Gene: SunsetPointe_29 Start: 22583, Stop: 23035, Start Num: 149
Candidate Starts for SunsetPointe_29:

(20, 22286), (22, 22295), (38, 22352), (39, 22355), (53, 22412), (61, 22427), (64, 22430), (66, 22433), (Start: 69 @22442 has 1 MA's), (71, 22445), (84, 22481), (105, 22514), (128, 22556), (Start: 149 @22583 has 110 MA's), (167, 22655), (203, 22814), (221, 22895), (233, 22958),

Gene: Sunshine924_76 Start: 45690, Stop: 45178, Start Num: 139
Candidate Starts for Sunshine924_76:
(51, 45864), (67, 45831), (Start: 110 @45747 has 2 MA's), (Start: 139 @45690 has 224 MA's), (Start: 157 @45648 has 5 MA's), (Start: 172 @45597 has 2 MA's), (173, 45588), (183, 45540), (214, 45417), (221, 45375), (264, 45189),

Gene: SuperAwesome_78 Start: 44868, Stop: 44341, Start Num: 118
Candidate Starts for SuperAwesome_78:
(Start: 118 @44868 has 33 MA's), (Start: 125 @44856 has 201 MA's), (Start: 172 @44769 has 2 MA's), (173, 44760), (183, 44712), (208, 44610), (214, 44589), (218, 44568), (226, 44526), (232, 44487),

Gene: SuperCallie99_75 Start: 44700, Stop: 44185, Start Num: 125
Candidate Starts for SuperCallie99_75:
(Start: 118 @44712 has 33 MA's), (Start: 125 @44700 has 201 MA's), (Start: 172 @44613 has 2 MA's), (173, 44604), (183, 44556), (208, 44454), (214, 44433), (218, 44412), (226, 44370), (232, 44331),

Gene: Superchunk_78 Start: 45042, Stop: 44494, Start Num: 125
Candidate Starts for Superchunk_78:
(Start: 118 @45054 has 33 MA's), (Start: 125 @45042 has 201 MA's), (Start: 131 @45030 has 59 MA's), (Start: 172 @44925 has 2 MA's), (173, 44916), (183, 44868), (186, 44850), (208, 44766), (214, 44742), (221, 44700), (226, 44679), (232, 44640), (258, 44538),

Gene: Superphikiman_191 Start: 94406, Stop: 93894, Start Num: 139
Candidate Starts for Superphikiman_191:
(21, 94697), (57, 94568), (83, 94511), (88, 94502), (128, 94430), (Start: 137 @94409 has 3 MA's), (Start: 139 @94406 has 224 MA's), (Start: 157 @94364 has 5 MA's), (Start: 172 @94313 has 2 MA's), (173, 94304), (183, 94256), (190, 94214), (214, 94133), (221, 94091), (264, 93905),

Gene: Superstar_32 Start: 24457, Stop: 24912, Start Num: 149
Candidate Starts for Superstar_32:
(Start: 149 @24457 has 110 MA's), (167, 24529), (178, 24577), (186, 24622), (192, 24652), (203, 24688), (221, 24769), (227, 24793), (233, 24832),

Gene: SweetiePie_75 Start: 45549, Stop: 44974, Start Num: 125
Candidate Starts for SweetiePie_75:
(Start: 97 @45591 has 4 MA's), (107, 45579), (Start: 118 @45561 has 33 MA's), (Start: 125 @45549 has 201 MA's), (Start: 172 @45432 has 2 MA's), (173, 45423), (183, 45375), (208, 45273), (226, 45186), (232, 45147), (250, 45084),

Gene: SwirlSquare_81 Start: 44722, Stop: 44291, Start Num: 172
Candidate Starts for SwirlSquare_81:
(Start: 172 @44722 has 2 MA's), (173, 44713), (183, 44665), (186, 44647), (193, 44617), (208, 44563), (210, 44557), (214, 44539), (221, 44497), (226, 44476), (232, 44437), (248, 44380), (258, 44335),

Gene: Swirley_69 Start: 43601, Stop: 43071, Start Num: 130
Candidate Starts for Swirley_69:

(126, 43607), (Start: 130 @43601 has 39 MA's), (203, 43349), (204, 43346), (208, 43325), (214, 43304), (249, 43145), (257, 43106),

Gene: SwissCheese_79 Start: 46690, Stop: 46178, Start Num: 139
Candidate Starts for SwissCheese_79:
(51, 46864), (58, 46846), (67, 46831), (Start: 110 @46747 has 2 MA's), (Start: 139 @46690 has 224 MA's), (Start: 157 @46648 has 5 MA's), (Start: 172 @46597 has 2 MA's), (173, 46588), (183, 46540), (214, 46417), (221, 46375), (264, 46189),

Gene: Swole_76 Start: 46449, Stop: 45937, Start Num: 139
Candidate Starts for Swole_76:
(51, 46623), (67, 46590), (Start: 110 @46506 has 2 MA's), (Start: 139 @46449 has 224 MA's), (Start: 157 @46407 has 5 MA's), (Start: 172 @46356 has 2 MA's), (173, 46347), (183, 46299), (208, 46197), (214, 46176), (221, 46134), (255, 45990), (264, 45948),

Gene: SydNat_69 Start: 43800, Stop: 43270, Start Num: 130
Candidate Starts for SydNat_69:
(Start: 130 @43800 has 39 MA's), (192, 43584), (203, 43548), (204, 43545), (208, 43524), (209, 43521), (214, 43503), (246, 43350), (257, 43305),

Gene: TNguyen7_74 Start: 44652, Stop: 44140, Start Num: 131
Candidate Starts for TNguyen7_74:
(98, 44703), (129, 44661), (Start: 131 @44652 has 59 MA's), (Start: 135 @44646 has 7 MA's), (Start: 172 @44553 has 2 MA's), (186, 44478), (187, 44475), (190, 44454), (193, 44448), (197, 44430), (208, 44391), (212, 44376), (214, 44370), (232, 44274), (248, 44217), (259, 44172),

Gene: TWAMP_58 Start: 40126, Stop: 39602, Start Num: 125
Candidate Starts for TWAMP_58:
(Start: 125 @40126 has 201 MA's), (156, 40081), (160, 40063), (186, 39949), (195, 39913), (204, 39886), (208, 39865), (214, 39844), (216, 39829), (222, 39799), (223, 39796), (226, 39781), (248, 39685), (250, 39676), (263, 39619),

Gene: TagePhighter_29 Start: 22884, Stop: 23336, Start Num: 149
Candidate Starts for TagePhighter_29:
(146, 22881), (Start: 149 @22884 has 110 MA's), (167, 22956), (175, 22995), (203, 23115), (213, 23154), (221, 23196), (227, 23220),

Gene: Tailonex_62 Start: 42988, Stop: 42500, Start Num: 155
Candidate Starts for Tailonex_62:
(155, 42988), (159, 42967), (164, 42955), (166, 42943), (193, 42814), (205, 42772), (228, 42664), (247, 42577), (251, 42556),

Gene: Taquito_84 Start: 52547, Stop: 53173, Start Num: 75
Candidate Starts for Taquito_84:
(Start: 75 @52547 has 1 MA's), (91, 52583), (Start: 138 @52667 has 1 MA's), (Start: 157 @52712 has 5 MA's), (173, 52772), (176, 52787), (186, 52838), (216, 52961), (219, 52970), (229, 53030), (232, 53048), (248, 53105),

Gene: Target_75 Start: 45267, Stop: 44755, Start Num: 139
Candidate Starts for Target_75:
(51, 45441), (67, 45408), (Start: 110 @45324 has 2 MA's), (Start: 139 @45267 has 224 MA's), (Start: 157 @45225 has 5 MA's), (Start: 172 @45174 has 2 MA's), (173, 45165), (183, 45117), (214, 44994), (221, 44952), (264, 44766),

Gene: TarsusIV_73 Start: 45469, Stop: 44888, Start Num: 118
Candidate Starts for TarsusIV_73:
(Start: 118 @45469 has 33 MA's), (Start: 125 @45457 has 201 MA's), (141, 45430), (144, 45427), (Start: 172 @45340 has 2 MA's), (173, 45331), (183, 45283), (208, 45181), (232, 45055), (267, 44893),

Gene: Tarynearal_68 Start: 43437, Stop: 42907, Start Num: 130
Candidate Starts for Tarynearal_68:
(126, 43443), (Start: 130 @43437 has 39 MA's), (203, 43185), (204, 43182), (208, 43161), (214, 43140), (249, 42981), (257, 42942),

Gene: Tasp14_74 Start: 46737, Stop: 46225, Start Num: 139
Candidate Starts for Tasp14_74:
(51, 46911), (67, 46878), (Start: 110 @46794 has 2 MA's), (Start: 139 @46737 has 224 MA's), (Start: 157 @46695 has 5 MA's), (Start: 172 @46644 has 2 MA's), (173, 46635), (183, 46587), (214, 46464), (221, 46422), (264, 46236),

Gene: Tefunt_29 Start: 23254, Stop: 23721, Start Num: 149
Candidate Starts for Tefunt_29:
(Start: 115 @23209 has 1 MA's), (Start: 119 @23215 has 17 MA's), (128, 23230), (Start: 149 @23254 has 110 MA's), (167, 23326), (178, 23374), (186, 23419), (192, 23449), (203, 23485), (221, 23569), (225, 23587), (227, 23593),

Gene: Temprado_79 Start: 44341, Stop: 43826, Start Num: 125
Candidate Starts for Temprado_79:
(Start: 103 @44377 has 9 MA's), (Start: 118 @44353 has 33 MA's), (Start: 125 @44341 has 201 MA's), (Start: 152 @44317 has 1 MA's), (Start: 172 @44254 has 2 MA's), (183, 44197), (208, 44095), (214, 44074), (226, 44011), (232, 43972), (248, 43918), (250, 43909), (265, 43846),

Gene: Teodoridan_72 Start: 44574, Stop: 44062, Start Num: 139
Candidate Starts for Teodoridan_72:
(51, 44748), (67, 44715), (93, 44652), (Start: 110 @44631 has 2 MA's), (Start: 139 @44574 has 224 MA's), (Start: 157 @44532 has 5 MA's), (Start: 172 @44481 has 2 MA's), (173, 44472), (183, 44424), (214, 44301), (221, 44259), (264, 44073),

Gene: Terrific_76 Start: 45383, Stop: 44814, Start Num: 125
Candidate Starts for Terrific_76:
(Start: 97 @45425 has 4 MA's), (107, 45413), (Start: 118 @45395 has 33 MA's), (Start: 125 @45383 has 201 MA's), (Start: 172 @45266 has 2 MA's), (173, 45257), (180, 45230), (183, 45209), (208, 45107), (221, 45041), (226, 45020), (232, 44981), (250, 44918),

Gene: Theia_68 Start: 43926, Stop: 43396, Start Num: 130
Candidate Starts for Theia_68:
(Start: 130 @43926 has 39 MA's), (203, 43674), (204, 43671), (208, 43650), (214, 43629), (249, 43470), (257, 43431),

Gene: TheloniousMonk_77 Start: 47959, Stop: 47447, Start Num: 139
Candidate Starts for TheloniousMonk_77:
(51, 48133), (67, 48100), (Start: 110 @48016 has 2 MA's), (Start: 139 @47959 has 224 MA's), (Start: 157 @47917 has 5 MA's), (Start: 172 @47866 has 2 MA's), (173, 47857), (183, 47809), (214, 47686), (221, 47644), (264, 47458),

Gene: Thestral_30 Start: 23512, Stop: 23970, Start Num: 149

Candidate Starts for Thestral_30:
(Start: 110 @23449 has 2 MA's), (Start: 115 @23461 has 1 MA's), (Start: 119 @23467 has 17 MA's), (121, 23470), (Start: 149 @23512 has 110 MA's), (167, 23584), (175, 23623), (178, 23632), (192, 23707), (202, 23740), (203, 23743), (213, 23782), (221, 23824), (226, 23845), (227, 23848), (233, 23887),

Gene: Tiger_69 Start: 43372, Stop: 42842, Start Num: 130
Candidate Starts for Tiger_69:
(126, 43378), (Start: 130 @43372 has 39 MA's), (203, 43120), (204, 43117), (208, 43096), (214, 43075), (246, 42922), (249, 42916), (257, 42877),

Gene: Timothy_78 Start: 44866, Stop: 44315, Start Num: 125
Candidate Starts for Timothy_78:
(Start: 97 @44908 has 4 MA's), (Start: 118 @44878 has 33 MA's), (Start: 125 @44866 has 201 MA's), (141, 44839), (Start: 172 @44749 has 2 MA's), (176, 44725), (183, 44692), (208, 44590), (214, 44566), (216, 44551), (221, 44524), (226, 44503), (232, 44464), (258, 44365), (266, 44332),

Gene: Timshel_71 Start: 47187, Stop: 46681, Start Num: 131
Candidate Starts for Timshel_71:
(89, 47265), (92, 47256), (95, 47250), (Start: 131 @47187 has 59 MA's), (158, 47139), (187, 47013), (190, 46992), (196, 46980), (208, 46932), (214, 46911), (219, 46887), (224, 46854), (232, 46815), (248, 46758), (250, 46749), (255, 46731), (259, 46713),

Gene: TinaBelcher_29 Start: 23459, Stop: 23917, Start Num: 149
Candidate Starts for TinaBelcher_29:
(Start: 110 @23396 has 2 MA's), (Start: 115 @23408 has 1 MA's), (Start: 119 @23414 has 17 MA's), (121, 23417), (Start: 149 @23459 has 110 MA's), (167, 23531), (175, 23570), (178, 23579), (192, 23654), (202, 23687), (203, 23690), (213, 23729), (221, 23771), (226, 23792), (227, 23795), (233, 23834),

Gene: Tinybot_69 Start: 44198, Stop: 43686, Start Num: 131
Candidate Starts for Tinybot_69:
(Start: 131 @44198 has 59 MA's), (Start: 157 @44150 has 5 MA's), (Start: 172 @44099 has 2 MA's), (186, 44024), (190, 44000), (193, 43994), (196, 43988), (208, 43937), (214, 43916), (224, 43859), (232, 43820), (259, 43718),

Gene: TipsytheTRex_75 Start: 45020, Stop: 44469, Start Num: 125
Candidate Starts for TipsytheTRex_75:
(Start: 118 @45032 has 33 MA's), (Start: 125 @45020 has 201 MA's), (141, 44993), (173, 44894), (176, 44879), (183, 44846), (208, 44744), (210, 44738), (214, 44720), (220, 44693), (221, 44678), (226, 44657), (232, 44618), (250, 44555),

Gene: Toaka_77 Start: 44975, Stop: 44433, Start Num: 125
Candidate Starts for Toaka_77:
(Start: 118 @44987 has 33 MA's), (Start: 125 @44975 has 201 MA's), (Start: 152 @44936 has 1 MA's), (Start: 172 @44873 has 2 MA's), (176, 44849), (183, 44816), (214, 44693), (225, 44633), (226, 44630), (232, 44591), (250, 44522),

Gene: Toma_29 Start: 23418, Stop: 23870, Start Num: 149
Candidate Starts for Toma_29:
(37, 23181), (44, 23217), (67, 23271), (101, 23346), (109, 23352), (114, 23364), (Start: 149 @23418 has 110 MA's), (167, 23490), (186, 23583), (203, 23649), (221, 23730), (227, 23754), (250, 23862),

Gene: Tomathan_78 Start: 45990, Stop: 45445, Start Num: 125
Candidate Starts for Tomathan_78:
(Start: 118 @46002 has 33 MA's), (Start: 125 @45990 has 201 MA's), (Start: 172 @45873 has 2 MA's), (173, 45864), (176, 45849), (183, 45816), (208, 45714), (210, 45708), (214, 45690), (220, 45663), (221, 45648), (222, 45645), (225, 45630), (232, 45588), (248, 45534), (255, 45507), (258, 45489),

Gene: ToneTone_75 Start: 43901, Stop: 43386, Start Num: 125
Candidate Starts for ToneTone_75:
(Start: 103 @43937 has 9 MA's), (Start: 118 @43913 has 33 MA's), (Start: 125 @43901 has 201 MA's), (Start: 152 @43877 has 1 MA's), (Start: 172 @43814 has 2 MA's), (183, 43757), (208, 43655), (214, 43634), (226, 43571), (232, 43532), (248, 43478), (250, 43469), (265, 43406),

Gene: Topgun_71 Start: 44911, Stop: 44399, Start Num: 139
Candidate Starts for Topgun_71:
(51, 45085), (67, 45052), (Start: 110 @44968 has 2 MA's), (Start: 139 @44911 has 224 MA's), (Start: 157 @44869 has 5 MA's), (Start: 172 @44818 has 2 MA's), (173, 44809), (183, 44761), (190, 44719), (214, 44638), (221, 44596), (264, 44410),

Gene: Toro_73 Start: 48186, Stop: 47677, Start Num: 132
Candidate Starts for Toro_73:
(124, 48204), (Start: 132 @48186 has 3 MA's), (Start: 172 @48087 has 2 MA's), (183, 48030), (185, 48015), (186, 48012), (187, 48009), (190, 47988), (196, 47976), (214, 47907), (224, 47850), (248, 47754), (259, 47709),

Gene: Tote_71 Start: 43674, Stop: 43204, Start Num: 157
Candidate Starts for Tote_71:
(Start: 157 @43674 has 5 MA's), (Start: 172 @43623 has 2 MA's), (173, 43614), (183, 43566), (208, 43464), (214, 43443), (221, 43401), (255, 43257), (264, 43215),

Gene: Traft412_75 Start: 46992, Stop: 46480, Start Num: 139
Candidate Starts for Traft412_75:
(51, 47166), (67, 47133), (Start: 110 @47049 has 2 MA's), (Start: 139 @46992 has 224 MA's), (Start: 157 @46950 has 5 MA's), (Start: 172 @46899 has 2 MA's), (173, 46890), (183, 46842), (190, 46800), (214, 46719), (221, 46677), (264, 46491),

Gene: Travvers_77 Start: 45877, Stop: 45332, Start Num: 125
Candidate Starts for Travvers_77:
(Start: 118 @45889 has 33 MA's), (Start: 125 @45877 has 201 MA's), (Start: 172 @45760 has 2 MA's), (176, 45736), (183, 45703), (208, 45601), (210, 45595), (214, 45577), (220, 45550), (221, 45535), (225, 45517), (232, 45475), (248, 45421), (255, 45394), (258, 45376),

Gene: Treddle_77 Start: 47722, Stop: 47210, Start Num: 139
Candidate Starts for Treddle_77:
(51, 47896), (67, 47863), (Start: 110 @47779 has 2 MA's), (Start: 139 @47722 has 224 MA's), (Start: 157 @47680 has 5 MA's), (Start: 172 @47629 has 2 MA's), (173, 47620), (183, 47572), (208, 47470), (214, 47449), (221, 47407), (255, 47263), (264, 47221),

Gene: Tripl3t_78 Start: 49274, Stop: 48762, Start Num: 139
Candidate Starts for Tripl3t_78:
(51, 49448), (67, 49415), (Start: 110 @49331 has 2 MA's), (Start: 139 @49274 has 224 MA's), (Start: 157 @49232 has 5 MA's), (Start: 172 @49181 has 2 MA's), (173, 49172), (183, 49124), (214, 49001), (221, 48959), (264, 48773),

Gene: Triste_28 Start: 22872, Stop: 23324, Start Num: 149
Candidate Starts for Triste_28:
(146, 22869), (Start: 149 @22872 has 110 MA's), (167, 22944), (175, 22983), (203, 23103), (213, 23142), (221, 23184), (227, 23208),

Gene: Triumph_31 Start: 23452, Stop: 23910, Start Num: 149
Candidate Starts for Triumph_31:
(79, 23338), (83, 23350), (90, 23362), (Start: 115 @23407 has 1 MA's), (Start: 119 @23413 has 17 MA's), (121, 23416), (Start: 149 @23452 has 110 MA's), (167, 23524), (178, 23572), (192, 23647), (203, 23683), (205, 23692), (221, 23764), (233, 23827),

Gene: Trixie_75 Start: 46174, Stop: 45596, Start Num: 125
Candidate Starts for Trixie_75:
(27, 46402), (29, 46396), (57, 46303), (Start: 97 @46216 has 4 MA's), (Start: 118 @46186 has 33 MA's), (Start: 125 @46174 has 201 MA's), (Start: 172 @46057 has 2 MA's), (180, 46021), (183, 46000), (208, 45898), (211, 45889), (222, 45829), (225, 45814), (226, 45811), (232, 45772),

Gene: Trooper_75 Start: 45436, Stop: 44858, Start Num: 125
Candidate Starts for Trooper_75:
(Start: 118 @45448 has 33 MA's), (Start: 125 @45436 has 201 MA's), (141, 45409), (Start: 172 @45319 has 2 MA's), (173, 45310), (183, 45262), (186, 45244), (208, 45160), (222, 45091), (226, 45073), (232, 45034), (250, 44971), (258, 44908),

Gene: TroyPia_71 Start: 44205, Stop: 43693, Start Num: 131
Candidate Starts for TroyPia_71:
(Start: 131 @44205 has 59 MA's), (Start: 157 @44157 has 5 MA's), (Start: 172 @44106 has 2 MA's), (186, 44031), (190, 44007), (196, 43995), (208, 43944), (214, 43923), (224, 43866), (246, 43773), (259, 43725),

Gene: TrvxScott_28 Start: 23505, Stop: 23963, Start Num: 149
Candidate Starts for TrvxScott_28:
(Start: 110 @23442 has 2 MA's), (Start: 115 @23454 has 1 MA's), (Start: 119 @23460 has 17 MA's), (121, 23463), (Start: 149 @23505 has 110 MA's), (167, 23577), (175, 23616), (178, 23625), (192, 23700), (202, 23733), (203, 23736), (213, 23775), (221, 23817), (226, 23838), (227, 23841), (233, 23880),

Gene: TuanPN_28 Start: 22901, Stop: 23353, Start Num: 149
Candidate Starts for TuanPN_28:
(114, 22847), (Start: 149 @22901 has 110 MA's), (167, 22973), (175, 23012), (186, 23066), (203, 23132), (205, 23141), (213, 23171), (221, 23213), (227, 23237),

Gene: Tubs_77 Start: 44644, Stop: 44108, Start Num: 125
Candidate Starts for Tubs_77:
(Start: 118 @44656 has 33 MA's), (Start: 125 @44644 has 201 MA's), (Start: 172 @44548 has 2 MA's), (173, 44539), (176, 44524), (183, 44491), (214, 44368), (216, 44353), (217, 44350), (225, 44308), (226, 44305), (242, 44227), (258, 44158),

Gene: Tucker_78 Start: 44104, Stop: 43589, Start Num: 125
Candidate Starts for Tucker_78:
(Start: 103 @44140 has 9 MA's), (Start: 118 @44116 has 33 MA's), (Start: 125 @44104 has 201 MA's), (Start: 152 @44080 has 1 MA's), (Start: 172 @44017 has 2 MA's), (183, 43960), (208, 43858), (214, 43837), (226, 43774), (232, 43735), (248, 43681), (250, 43672), (265, 43609),

Gene: Turbido_76 Start: 45726, Stop: 45139, Start Num: 118
Candidate Starts for Turbido_76:
(19, 45978), (30, 45930), (34, 45918), (Start: 97 @45756 has 4 MA's), (107, 45744), (Start: 118 @45726 has 33 MA's), (Start: 125 @45714 has 201 MA's), (Start: 172 @45597 has 2 MA's), (173, 45588), (183, 45540), (208, 45438), (226, 45351), (232, 45312), (250, 45249),

Gene: Twigg_68 Start: 43249, Stop: 42719, Start Num: 130
Candidate Starts for Twigg_68:
(126, 43255), (Start: 130 @43249 has 39 MA's), (203, 42997), (204, 42994), (208, 42973), (214, 42952), (249, 42793), (257, 42754),

Gene: Twister_69 Start: 43997, Stop: 43491, Start Num: 133
Candidate Starts for Twister_69:
(Start: 100 @44060 has 2 MA's), (111, 44045), (Start: 133 @43997 has 10 MA's), (Start: 135 @43994 has 7 MA's), (Start: 172 @43901 has 2 MA's), (176, 43877), (183, 43844), (186, 43826), (190, 43802), (208, 43742), (214, 43721), (224, 43664), (232, 43625), (240, 43589), (259, 43523), (264, 43502),

Gene: TwoPeat_75 Start: 46254, Stop: 45739, Start Num: 139
Candidate Starts for TwoPeat_75:
(51, 46428), (67, 46395), (Start: 110 @46311 has 2 MA's), (Start: 139 @46254 has 224 MA's), (Start: 157 @46212 has 5 MA's), (Start: 172 @46161 has 2 MA's), (173, 46152), (183, 46104), (208, 46002), (214, 45981), (221, 45939), (255, 45795), (264, 45753),

Gene: U2_69 Start: 46491, Stop: 45979, Start Num: 139
Candidate Starts for U2_69:
(51, 46665), (67, 46632), (Start: 110 @46548 has 2 MA's), (Start: 139 @46491 has 224 MA's), (Start: 157 @46449 has 5 MA's), (Start: 172 @46398 has 2 MA's), (173, 46389), (183, 46341), (214, 46218), (221, 46176), (264, 45990),

Gene: Ulysses_69 Start: 43854, Stop: 43342, Start Num: 131
Candidate Starts for Ulysses_69:
(Start: 131 @43854 has 59 MA's), (Start: 157 @43806 has 5 MA's), (Start: 172 @43755 has 2 MA's), (186, 43680), (190, 43656), (193, 43650), (196, 43644), (208, 43593), (214, 43572), (224, 43515), (232, 43476), (259, 43374),

Gene: UnionJack_73 Start: 43877, Stop: 43347, Start Num: 130
Candidate Starts for UnionJack_73:
(Start: 130 @43877 has 39 MA's), (187, 43685), (192, 43661), (203, 43625), (204, 43622), (208, 43601), (214, 43580), (246, 43427), (249, 43421), (257, 43382),

Gene: Unstoppable_29 Start: 22587, Stop: 23039, Start Num: 149
Candidate Starts for Unstoppable_29:
(20, 22290), (22, 22299), (38, 22356), (39, 22359), (53, 22416), (61, 22431), (64, 22434), (66, 22437), (Start: 69 @22446 has 1 MA's), (71, 22449), (84, 22485), (105, 22518), (128, 22560), (Start: 149 @22587 has 110 MA's), (167, 22659), (203, 22818), (221, 22899), (233, 22962),

Gene: Updawg_76 Start: 45271, Stop: 44696, Start Num: 125
Candidate Starts for Updawg_76:
(28, 45496), (35, 45475), (54, 45406), (Start: 97 @45313 has 4 MA's), (107, 45301), (Start: 118 @45283 has 33 MA's), (Start: 125 @45271 has 201 MA's), (Start: 172 @45154 has 2 MA's), (173, 45145), (180, 45118), (183, 45097), (208, 44995), (221, 44929), (226, 44908), (232, 44869), (250, 44806),

Gene: Urza_31 Start: 23599, Stop: 24051, Start Num: 149
Candidate Starts for Urza_31:
(Start: 149 @23599 has 110 MA's), (Start: 157 @23632 has 5 MA's), (167, 23671), (174, 23707), (178, 23719), (192, 23794), (203, 23830), (221, 23911), (227, 23935),

Gene: VA6_75 Start: 45463, Stop: 44891, Start Num: 125
Candidate Starts for VA6_75:
(Start: 125 @45463 has 201 MA's), (Start: 152 @45409 has 1 MA's), (Start: 172 @45346 has 2 MA's), (173, 45337), (183, 45289), (186, 45271), (188, 45262), (208, 45187), (211, 45178), (226, 45100), (232, 45061), (260, 44932), (261, 44923),

Gene: Vanisoa_74 Start: 45312, Stop: 44782, Start Num: 125
Candidate Starts for Vanisoa_74:
(Start: 125 @45312 has 201 MA's), (Start: 172 @45216 has 2 MA's), (176, 45192), (183, 45159), (214, 45036), (217, 45018), (225, 44976), (226, 44973), (243, 44892), (246, 44877), (248, 44874), (250, 44865),

Gene: Vanseggelen_35 Start: 24062, Stop: 24517, Start Num: 149
Candidate Starts for Vanseggelen_35:
(Start: 149 @24062 has 110 MA's), (167, 24134), (175, 24173), (203, 24293), (221, 24380), (227, 24404), (236, 24464),

Gene: Verabelle_32 Start: 24469, Stop: 24924, Start Num: 149
Candidate Starts for Verabelle_32:
(Start: 149 @24469 has 110 MA's), (158, 24505), (167, 24541), (175, 24580), (203, 24700), (221, 24787), (226, 24808), (227, 24811), (239, 24880),

Gene: Verse_30 Start: 25129, Stop: 25584, Start Num: 149
Candidate Starts for Verse_30:
(94, 25036), (Start: 110 @25057 has 2 MA's), (Start: 149 @25129 has 110 MA's), (167, 25201), (203, 25360), (221, 25447), (227, 25471),

Gene: VieEnRose_31 Start: 23676, Stop: 24128, Start Num: 149
Candidate Starts for VieEnRose_31:
(Start: 149 @23676 has 110 MA's), (Start: 157 @23709 has 5 MA's), (167, 23748), (174, 23784), (178, 23796), (192, 23871), (203, 23907), (221, 23988), (227, 24012),

Gene: Violac_40 Start: 31903, Stop: 31367, Start Num: 119
Candidate Starts for Violac_40:
(Start: 119 @31903 has 17 MA's), (Start: 157 @31837 has 5 MA's), (Start: 172 @31786 has 2 MA's), (173, 31777), (183, 31729), (190, 31687), (214, 31606), (221, 31564), (255, 31420), (264, 31378),

Gene: Violet_70 Start: 46886, Stop: 46374, Start Num: 139
Candidate Starts for Violet_70:
(51, 47060), (67, 47027), (Start: 110 @46943 has 2 MA's), (Start: 139 @46886 has 224 MA's), (Start: 157 @46844 has 5 MA's), (Start: 172 @46793 has 2 MA's), (173, 46784), (183, 46736), (214, 46613), (221, 46571), (264, 46385),

Gene: VohminGhazi_78 Start: 44179, Stop: 43664, Start Num: 125
Candidate Starts for VohminGhazi_78:
(Start: 118 @44191 has 33 MA's), (Start: 125 @44179 has 201 MA's), (Start: 172 @44092 has 2 MA's), (173, 44083), (183, 44035), (208, 43933), (214, 43912), (218, 43891), (226, 43849), (232,

43810),

Gene: Waits_83 Start: 45510, Stop: 44989, Start Num: 125
Candidate Starts for Waits_83:
(Start: 125 @45510 has 201 MA's), (Start: 157 @45465 has 5 MA's), (Start: 172 @45414 has 2 MA's), (173, 45405), (183, 45357), (208, 45255), (214, 45234), (240, 45096), (246, 45078), (250, 45066), (258, 45030),

Gene: WalterMcMickey_69 Start: 43994, Stop: 43491, Start Num: 135
Candidate Starts for WalterMcMickey_69:
(Start: 100 @44060 has 2 MA's), (111, 44045), (Start: 133 @43997 has 10 MA's), (Start: 135 @43994 has 7 MA's), (Start: 172 @43901 has 2 MA's), (176, 43877), (183, 43844), (186, 43826), (190, 43802), (208, 43742), (214, 43721), (224, 43664), (232, 43625), (240, 43589), (259, 43523), (264, 43502),

Gene: Wander_70 Start: 44165, Stop: 43653, Start Num: 131
Candidate Starts for Wander_70:
(Start: 131 @44165 has 59 MA's), (Start: 157 @44117 has 5 MA's), (Start: 172 @44066 has 2 MA's), (186, 43991), (190, 43967), (193, 43961), (196, 43955), (208, 43904), (214, 43883), (224, 43826), (232, 43787), (259, 43685),

Gene: Warrior24_84 Start: 45987, Stop: 45466, Start Num: 125
Candidate Starts for Warrior24_84:
(Start: 125 @45987 has 201 MA's), (Start: 157 @45942 has 5 MA's), (Start: 172 @45891 has 2 MA's), (173, 45882), (183, 45834), (208, 45732), (214, 45711), (240, 45573), (246, 45555), (250, 45543), (258, 45507),

Gene: Watermelon_78 Start: 47796, Stop: 47284, Start Num: 139
Candidate Starts for Watermelon_78:
(51, 47970), (67, 47937), (Start: 110 @47853 has 2 MA's), (Start: 139 @47796 has 224 MA's), (Start: 157 @47754 has 5 MA's), (Start: 172 @47703 has 2 MA's), (173, 47694), (183, 47646), (214, 47523), (221, 47481), (264, 47295),

Gene: WeiHuaDA_76 Start: 46220, Stop: 45651, Start Num: 125
Candidate Starts for WeiHuaDA_76:
(Start: 118 @46232 has 33 MA's), (Start: 125 @46220 has 201 MA's), (Start: 152 @46166 has 1 MA's), (Start: 172 @46103 has 2 MA's), (176, 46079), (183, 46046), (186, 46028), (208, 45944), (211, 45935), (226, 45857), (232, 45818), (256, 45713),

Gene: Werner_28 Start: 22882, Stop: 23334, Start Num: 149
Candidate Starts for Werner_28:
(146, 22879), (Start: 149 @22882 has 110 MA's), (167, 22954), (175, 22993), (203, 23113), (213, 23152), (221, 23194), (227, 23218),

Gene: Whabigail7_76 Start: 45712, Stop: 45137, Start Num: 125
Candidate Starts for Whabigail7_76:
(Start: 97 @45754 has 4 MA's), (107, 45742), (Start: 118 @45724 has 33 MA's), (Start: 125 @45712 has 201 MA's), (Start: 172 @45595 has 2 MA's), (173, 45586), (183, 45538), (208, 45436), (226, 45349), (232, 45310), (250, 45247),

Gene: Whatever_28 Start: 22882, Stop: 23334, Start Num: 149
Candidate Starts for Whatever_28:
(146, 22879), (Start: 149 @22882 has 110 MA's), (167, 22954), (175, 22993), (203, 23113), (213, 23152), (221, 23194), (227, 23218),

Gene: Wheeler_79 Start: 47915, Stop: 47403, Start Num: 139
Candidate Starts for Wheeler_79:
(24, 48194), (51, 48089), (67, 48056), (Start: 110 @47972 has 2 MA's), (Start: 139 @47915 has 224 MA's), (Start: 157 @47873 has 5 MA's), (Start: 172 @47822 has 2 MA's), (173, 47813), (183, 47765), (214, 47642), (221, 47600), (264, 47414),

Gene: Whitspit_68 Start: 43618, Stop: 43106, Start Num: 139
Candidate Starts for Whitspit_68:
(51, 43792), (67, 43759), (93, 43696), (Start: 110 @43675 has 2 MA's), (Start: 139 @43618 has 224 MA's), (Start: 157 @43576 has 5 MA's), (Start: 172 @43525 has 2 MA's), (173, 43516), (183, 43468), (214, 43345), (221, 43303), (264, 43117),

Gene: WideWale_76 Start: 45271, Stop: 44696, Start Num: 125
Candidate Starts for WideWale_76:
(28, 45496), (35, 45475), (54, 45406), (Start: 97 @45313 has 4 MA's), (107, 45301), (Start: 118 @45283 has 33 MA's), (Start: 125 @45271 has 201 MA's), (Start: 172 @45154 has 2 MA's), (173, 45145), (180, 45118), (183, 45097), (208, 44995), (221, 44929), (226, 44908), (232, 44869), (250, 44806),

Gene: Wiks_77 Start: 43972, Stop: 43457, Start Num: 125
Candidate Starts for Wiks_77:
(Start: 103 @44008 has 9 MA's), (Start: 118 @43984 has 33 MA's), (Start: 125 @43972 has 201 MA's), (Start: 152 @43948 has 1 MA's), (Start: 172 @43885 has 2 MA's), (183, 43828), (208, 43726), (214, 43705), (226, 43642), (232, 43603), (248, 43549), (250, 43540), (265, 43477),

Gene: Wilkins_72 Start: 44841, Stop: 44329, Start Num: 139
Candidate Starts for Wilkins_72:
(51, 45015), (67, 44982), (Start: 110 @44898 has 2 MA's), (Start: 139 @44841 has 224 MA's), (Start: 157 @44799 has 5 MA's), (Start: 172 @44748 has 2 MA's), (173, 44739), (183, 44691), (190, 44649), (214, 44568), (221, 44526), (264, 44340),

Gene: Wolpertinger_77 Start: 44898, Stop: 44347, Start Num: 125
Candidate Starts for Wolpertinger_77:
(Start: 97 @44940 has 4 MA's), (Start: 118 @44910 has 33 MA's), (Start: 125 @44898 has 201 MA's), (141, 44871), (Start: 172 @44781 has 2 MA's), (176, 44757), (183, 44724), (208, 44622), (214, 44598), (216, 44583), (221, 44556), (226, 44535), (232, 44496), (258, 44397), (266, 44364),

Gene: WorldCup_75 Start: 44588, Stop: 44046, Start Num: 118
Candidate Starts for WorldCup_75:
(Start: 118 @44588 has 33 MA's), (Start: 125 @44576 has 201 MA's), (Start: 172 @44480 has 2 MA's), (176, 44456), (183, 44423), (186, 44405), (208, 44321), (214, 44300), (217, 44282), (225, 44240), (226, 44237), (232, 44198), (242, 44159), (246, 44141), (248, 44138), (250, 44129),

Gene: XFactor_38 Start: 31358, Stop: 30822, Start Num: 119
Candidate Starts for XFactor_38:
(Start: 119 @31358 has 17 MA's), (Start: 157 @31292 has 5 MA's), (Start: 172 @31241 has 2 MA's), (173, 31232), (183, 31184), (190, 31142), (214, 31061), (221, 31019), (264, 30833),

Gene: XianYue_71 Start: 45222, Stop: 44638, Start Num: 118
Candidate Starts for XianYue_71:
(Start: 118 @45222 has 33 MA's), (Start: 125 @45210 has 201 MA's), (Start: 172 @45093 has 2 MA's), (173, 45084), (183, 45036), (188, 45009), (208, 44934), (221, 44868), (226, 44847), (232,

44808), (250, 44745), (256, 44703),

Gene: Yasdnil_28 Start: 22900, Stop: 23352, Start Num: 149
Candidate Starts for Yasdnil_28:
(114, 22846), (Start: 149 @22900 has 110 MA's), (167, 22972), (175, 23011), (186, 23065), (203, 23131), (205, 23140), (213, 23170), (221, 23212), (227, 23236),

Gene: Yassified_45 Start: 14688, Stop: 15200, Start Num: 139
Candidate Starts for Yassified_45:
(46, 14499), (Start: 131 @14676 has 59 MA's), (Start: 139 @14688 has 224 MA's), (Start: 157 @14730 has 5 MA's), (Start: 172 @14781 has 2 MA's), (173, 14790), (183, 14838), (190, 14880), (214, 14961), (221, 15003), (264, 15189),

Gene: Yecey3_79 Start: 44745, Stop: 44215, Start Num: 125
Candidate Starts for Yecey3_79:
(Start: 118 @44757 has 33 MA's), (Start: 125 @44745 has 201 MA's), (Start: 157 @44700 has 5 MA's), (Start: 172 @44649 has 2 MA's), (173, 44640), (183, 44592), (208, 44490), (214, 44466), (225, 44406), (226, 44403), (232, 44364), (240, 44331), (241, 44328), (250, 44301), (256, 44277),

Gene: Yokurt_77 Start: 43972, Stop: 43457, Start Num: 125
Candidate Starts for Yokurt_77:
(Start: 103 @44008 has 9 MA's), (Start: 118 @43984 has 33 MA's), (Start: 125 @43972 has 201 MA's), (Start: 152 @43948 has 1 MA's), (Start: 172 @43885 has 2 MA's), (183, 43828), (208, 43726), (214, 43705), (226, 43642), (232, 43603), (248, 43549), (250, 43540), (265, 43477),

Gene: Yoncess_57 Start: 39880, Stop: 39356, Start Num: 125
Candidate Starts for Yoncess_57:
(Start: 125 @39880 has 201 MA's), (156, 39835), (160, 39817), (186, 39703), (187, 39700), (195, 39667), (204, 39640), (208, 39619), (214, 39598), (223, 39550), (248, 39439), (250, 39430), (263, 39373),

Gene: Yosif_31 Start: 24608, Stop: 25060, Start Num: 149
Candidate Starts for Yosif_31:
(Start: 149 @24608 has 110 MA's), (167, 24680), (203, 24839), (221, 24920), (244, 25028), (250, 25052),

Gene: Zainub_31 Start: 23830, Stop: 24288, Start Num: 149
Candidate Starts for Zainub_31:
(114, 23782), (Start: 149 @23830 has 110 MA's), (167, 23902), (178, 23950), (190, 24022), (203, 24061), (221, 24142), (226, 24163),

Gene: Zaka_78 Start: 44008, Stop: 43457, Start Num: 103
Candidate Starts for Zaka_78:
(Start: 103 @44008 has 9 MA's), (Start: 118 @43984 has 33 MA's), (Start: 125 @43972 has 201 MA's), (Start: 152 @43948 has 1 MA's), (Start: 172 @43885 has 2 MA's), (183, 43828), (208, 43726), (214, 43705), (226, 43642), (232, 43603), (248, 43549), (250, 43540), (265, 43477),

Gene: ZamZam_30 Start: 24420, Stop: 24875, Start Num: 149
Candidate Starts for ZamZam_30:
(145, 24414), (Start: 149 @24420 has 110 MA's), (154, 24438), (167, 24492), (178, 24540), (192, 24615), (203, 24651), (215, 24705), (217, 24714), (221, 24738), (227, 24762),

Gene: Zeeculate_71 Start: 46614, Stop: 46102, Start Num: 139

Candidate Starts for Zeeculate_71:
(51, 46788), (67, 46755), (Start: 110 @46671 has 2 MA's), (Start: 139 @46614 has 224 MA's), (Start: 157 @46572 has 5 MA's), (Start: 172 @46521 has 2 MA's), (173, 46512), (183, 46464), (204, 46383), (214, 46341), (221, 46299), (264, 46113),

Gene: Zemlya_30 Start: 23412, Stop: 23864, Start Num: 149
Candidate Starts for Zemlya_30:
(121, 23370), (Start: 149 @23412 has 110 MA's), (167, 23484), (186, 23577), (203, 23643), (205, 23652), (207, 23664), (219, 23706), (221, 23724), (227, 23748),

Gene: Zephyr_77 Start: 46886, Stop: 46374, Start Num: 139
Candidate Starts for Zephyr_77:
(51, 47060), (67, 47027), (93, 46964), (Start: 110 @46943 has 2 MA's), (Start: 139 @46886 has 224 MA's), (Start: 157 @46844 has 5 MA's), (Start: 172 @46793 has 2 MA's), (173, 46784), (183, 46736), (214, 46613), (221, 46571), (264, 46385),

Gene: Zeuska_77 Start: 47851, Stop: 47339, Start Num: 139
Candidate Starts for Zeuska_77:
(51, 48025), (67, 47992), (Start: 110 @47908 has 2 MA's), (Start: 139 @47851 has 224 MA's), (Start: 157 @47809 has 5 MA's), (Start: 172 @47758 has 2 MA's), (173, 47749), (183, 47701), (214, 47578), (221, 47536), (264, 47350),

Gene: Zimmer_74 Start: 45769, Stop: 45221, Start Num: 116
Candidate Starts for Zimmer_74:
(Start: 116 @45769 has 1 MA's), (Start: 172 @45652 has 2 MA's), (173, 45643), (183, 45595), (186, 45577), (208, 45493), (214, 45469), (226, 45406), (250, 45304), (258, 45268),

Gene: Zolita_68 Start: 43804, Stop: 43274, Start Num: 130
Candidate Starts for Zolita_68:
(Start: 130 @43804 has 39 MA's), (192, 43588), (203, 43552), (204, 43549), (208, 43528), (209, 43525), (214, 43507), (246, 43354), (257, 43309),

Gene: Zulu_79 Start: 44386, Stop: 43835, Start Num: 103
Candidate Starts for Zulu_79:
(Start: 103 @44386 has 9 MA's), (Start: 118 @44362 has 33 MA's), (Start: 125 @44350 has 201 MA's), (Start: 152 @44326 has 1 MA's), (Start: 172 @44263 has 2 MA's), (183, 44206), (208, 44104), (214, 44083), (226, 44020), (232, 43981), (248, 43927), (250, 43918), (265, 43855),

Gene: phiCAM_30 Start: 26264, Stop: 26719, Start Num: 149
Candidate Starts for phiCAM_30:
(94, 26174), (Start: 110 @26195 has 2 MA's), (Start: 149 @26264 has 110 MA's), (167, 26336), (175, 26375), (203, 26495), (221, 26582), (226, 26603), (227, 26606),

Gene: phiHau3_31 Start: 23214, Stop: 23675, Start Num: 149
Candidate Starts for phiHau3_31:
(Start: 149 @23214 has 110 MA's), (167, 23286), (174, 23322), (192, 23409), (202, 23442), (203, 23445), (221, 23526), (226, 23547), (233, 23589), (245, 23637),