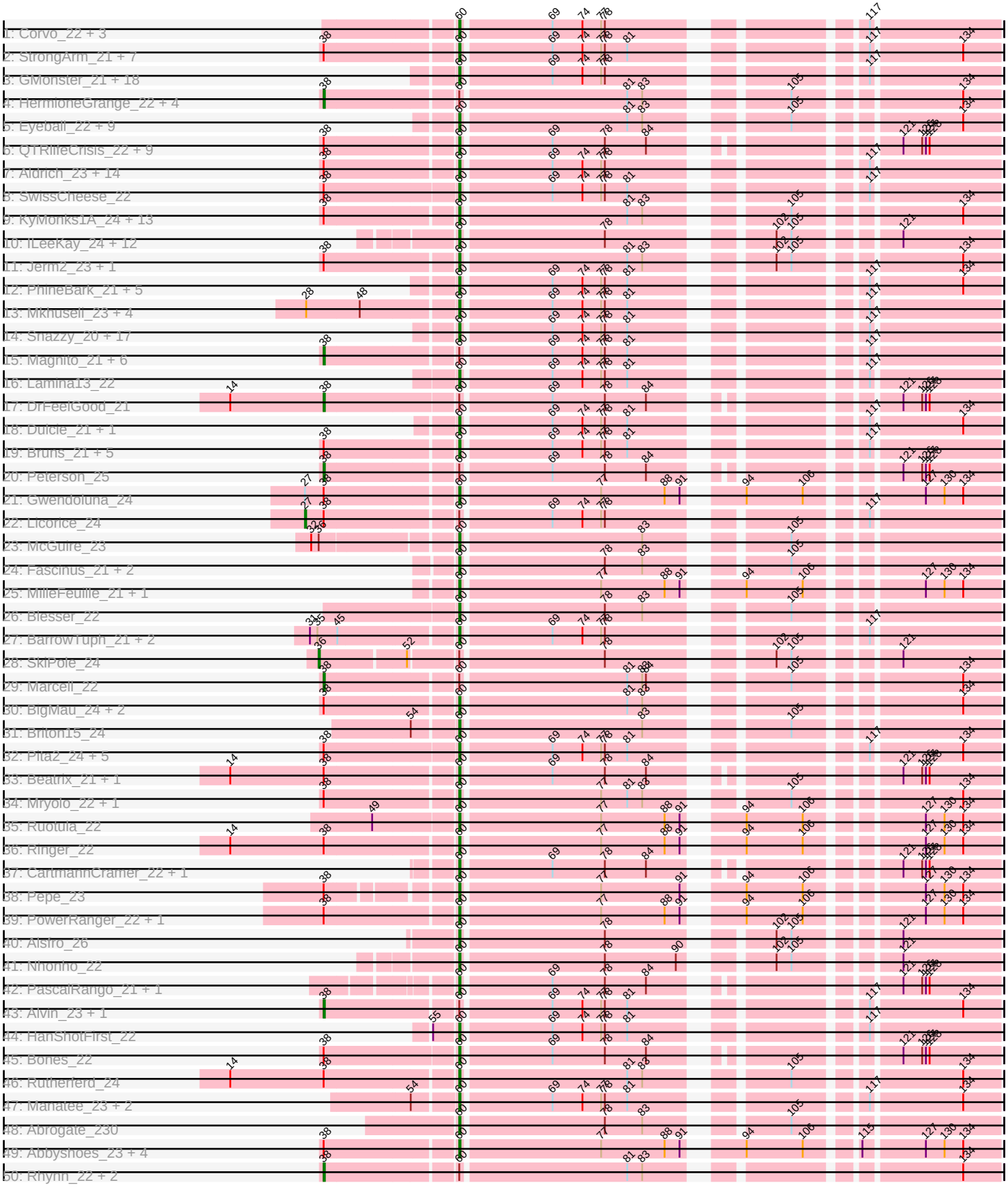
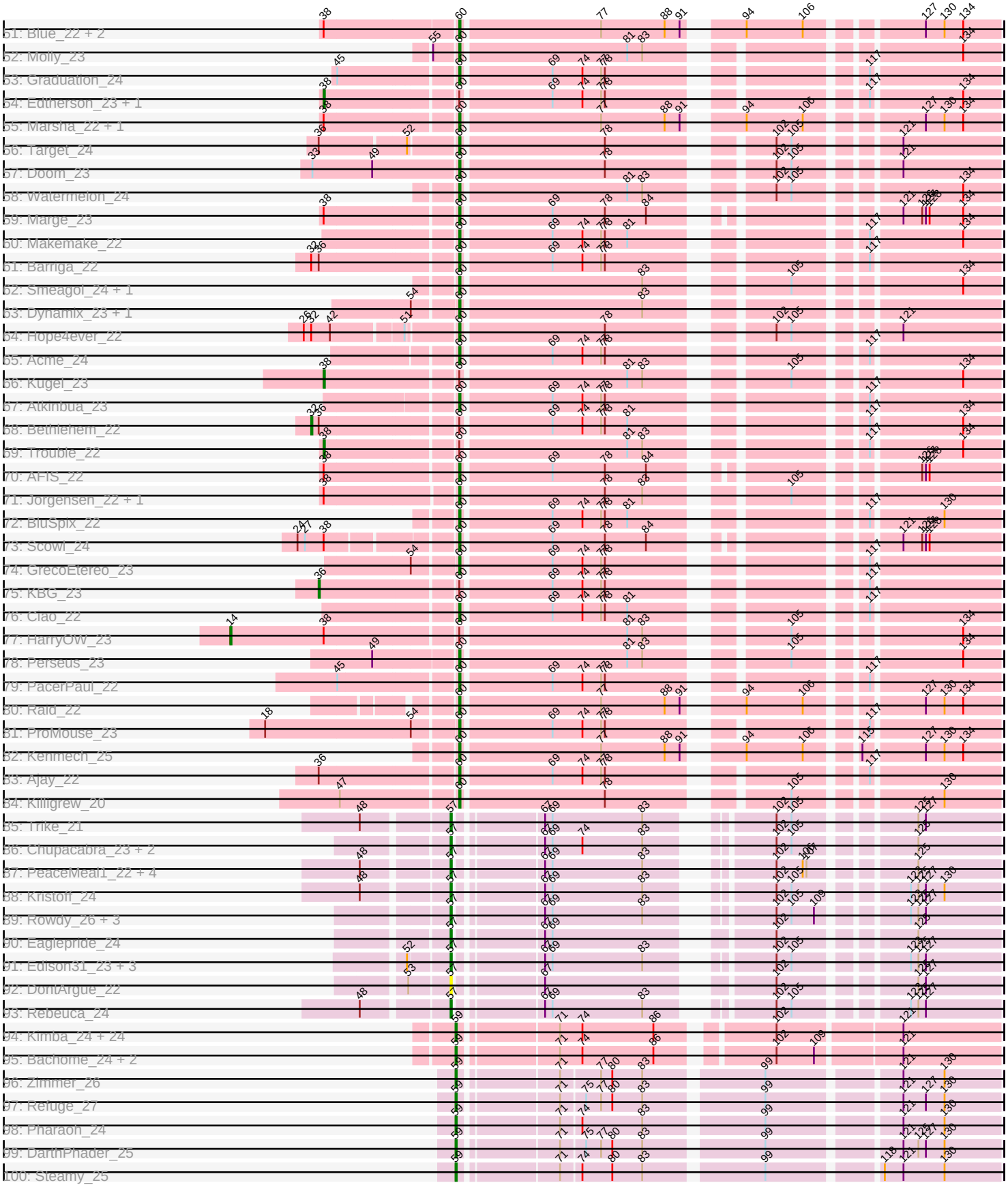
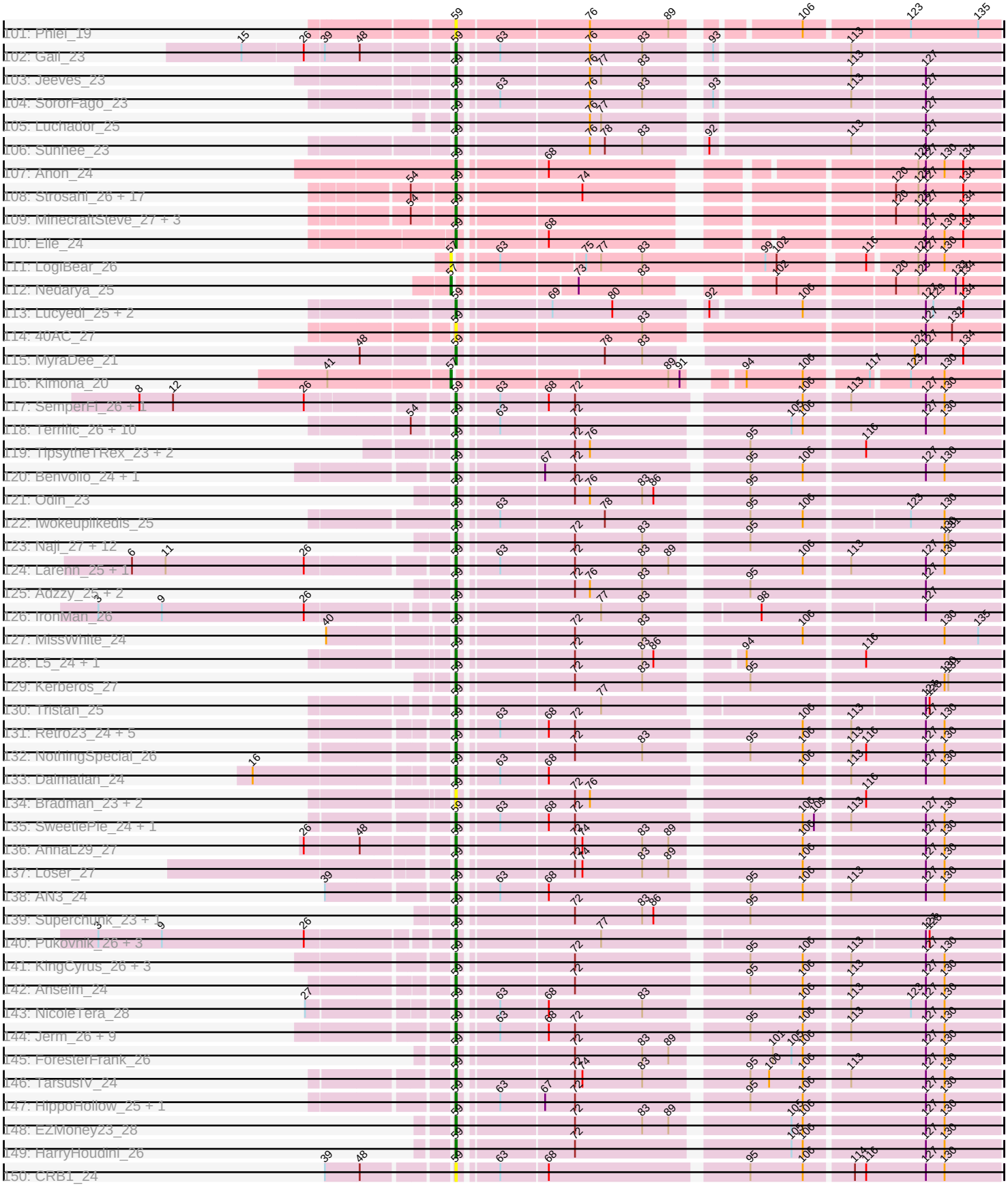
Pham 340734


1: Corvo_22 + 3
2: StrongArm_21 + 7
3: GMonster_21 + 18
4: HermioneGrange_22 + 4
5: Eyeball_22 + 9
6: QTRifleCrisis_22 + 9
7: Aldrich_23 + 14
8: SwissCheese_22
9: KyMonks1A_24 + 13
10: tLeeKay_24 + 12
11: Jerm2_23 + 1
12: PhineBark_21 + 5
13: Mkhusell_23 + 4
14: Shazzy_20 + 17
15: Magnito_21 + 6
16: Lamina13_22
17: DrFeelGood_21
18: Dulcie_21 + 1
19: Bruns_21 + 5
20: Peterson_25
21: Gwendoluna_24
22: Licorice_24
23: McGuire_23
24: Fascinus_21 + 2
25: MilleFeuille_21 + 1
26: Blesser_22
27: BarrowTuph_21 + 2
28: SkiPole_24
29: Marcell_22
30: BigMau_24 + 2
31: Briton15_24
32: Pita2_24 + 5
33: Beatrix_21 + 1
34: Mryolo_22 + 1
35: Ruotula_22
36: Ringer_22
37: CartmannCramer_22 + 1
38: Pepe_23
39: PowerRanger_22 + 1
40: Alsiro_26
41: Nhonho_22
42: PascalRango_21 + 1
43: Alvin_23 + 1
44: HanShotFirst_22
45: Bones_22
46: Ruthenerd_24
47: Manatee_23 + 2
48: Abrogate_230
49: Abbyshoes_23 + 4
50: Rhynn_22 + 2

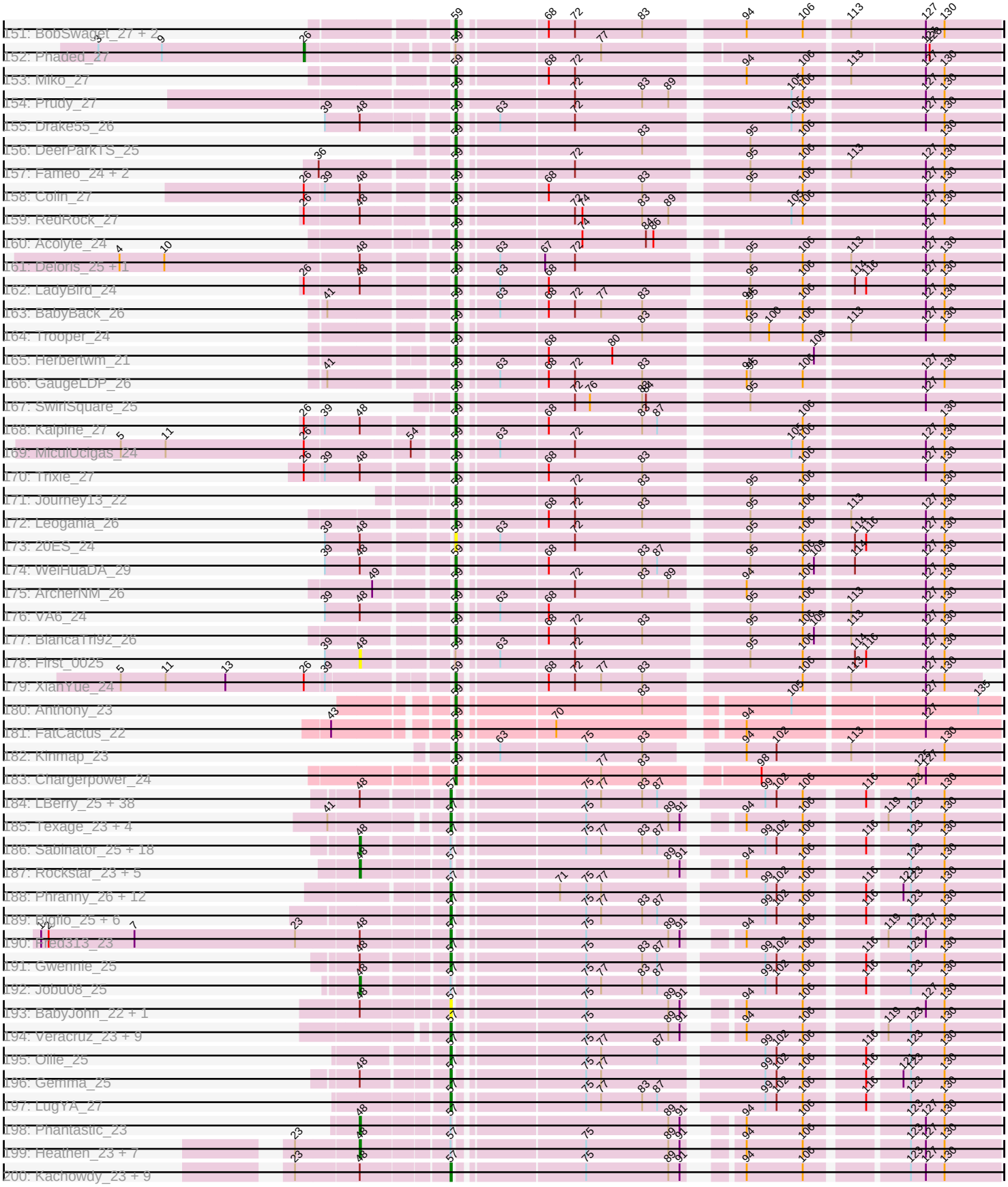
Pham 340734


51: Blue_22 + 2
52: Molly_23
53: Graduation_24
54: Edtherson_23 + 1
55: Marsha_22 + 1
56: Target_24
57: Doom_23
58: Watermelon_24
59: Marge_23
60: Makemake_22
61: Barriga_22
62: Smeagol_24 + 1
63: Dynamix_23 + 1
64: Hope4ever_22
65: Acme_24
66: Kugel_23
67: Atkinbua_23
68: Bethlehem_22
69: Trouble_22
70: AFIS_22
71: Jorgensen_22 + 1
72: BluSpix_22
73: Scowl_24
74: GrecoEtereo_23
75: KBG_23
76: Ciao_22
77: HarryOW_23
78: Perseus_23
79: PacerPaul_22
80: Raid_22
81: ProMouse_23
82: Kenmech_25
83: Ajay_22
84: Killigrew_20
85: Trike_21
86: Chupacabra_23 + 2
87: PeaceMeal1_22 + 4
88: Kristoff_24
89: Rowdy_26 + 3
90: Eaglepride_24
91: Edison31_23 + 3
92: DontArgue_22
93: Rebeuca_24
94: Kimba_24 + 24
95: Bachome_24 + 2
96: Zimmer_26
97: Refuge_27
98: Pharaoh_24
99: DarthPhader_25
100: Steamy_25

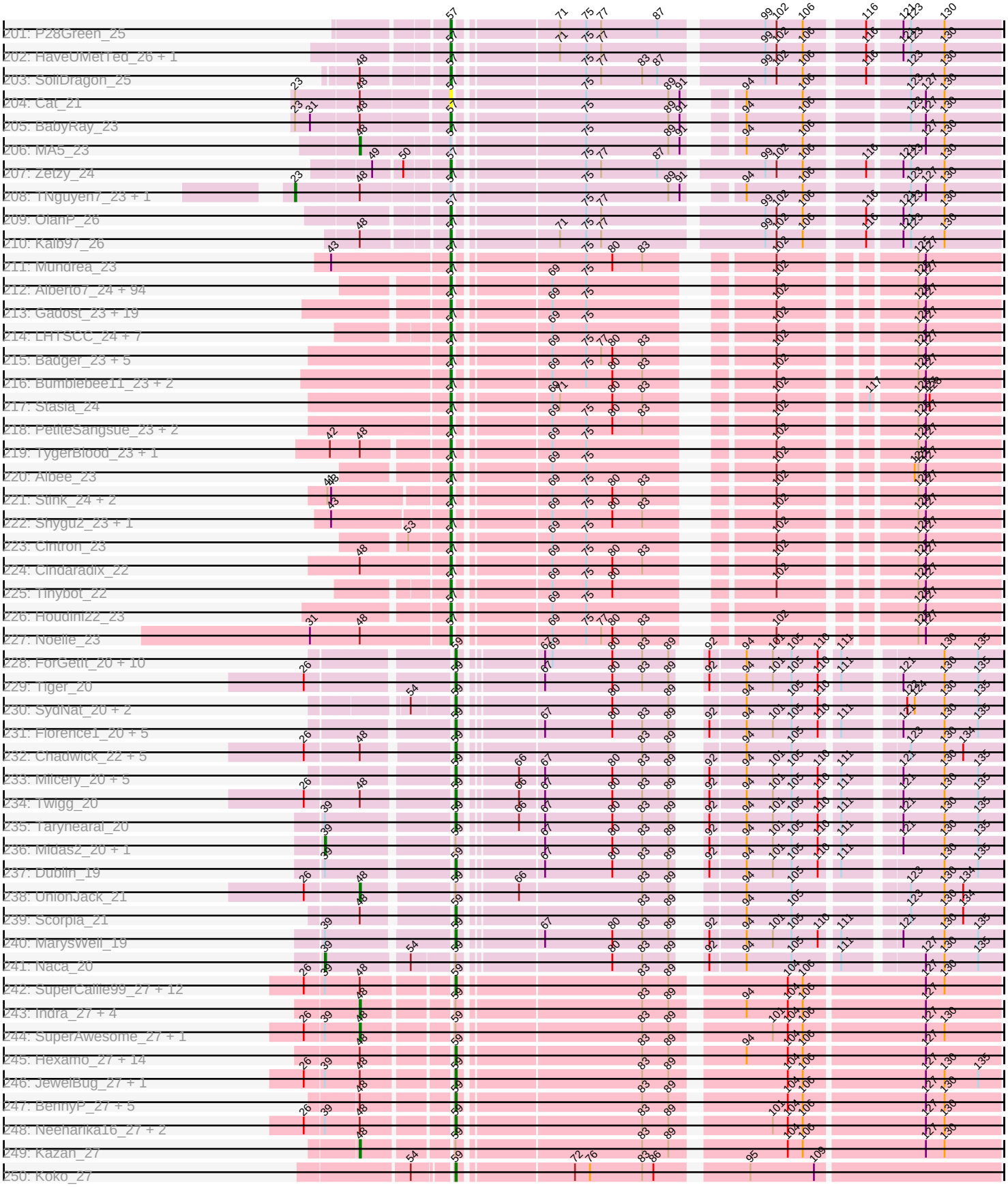
Pham 340734



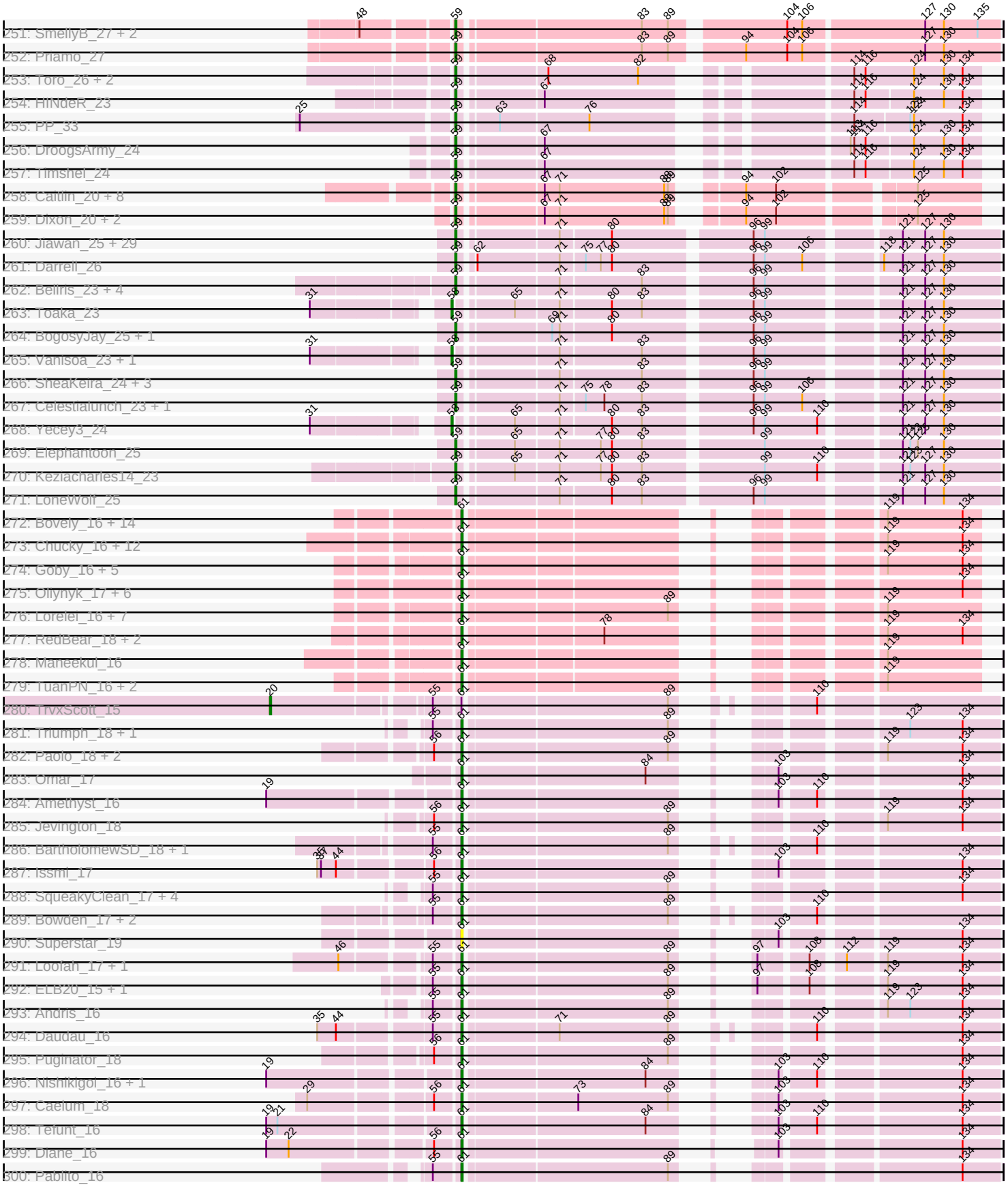
Pham 340734


151: BobSwaget_27 + 2
152: Phaded_27
153: Miko_27
154: Prudy_27
155: Drake55_26
156: DeerParkTS_25
157: Fameo_24 + 2
158: Colin_27
159: RedRock_27
160: Acolyte_24
161: Deloris_25 + 1
162: LadyBird_24
163: BabyBack_26
164: Trooper_24
165: Herbertwm_21
166: GaugeLDP_26
167: SwimSquare_25
168: Kalpine_27
169: MiculOctgas_24
170: Trixie_27
171: Journey13_22
172: Leogania_26
173: 20ES_24
174: WeiHuaDA_29
175: ArcherNM_26
176: VA6_24
177: BiancaTM92_26
178: First_0025
179: XianYue_24
180: Anthony_23
181: FatCactus_22
182: Kinmap_23
183: Chargerpower_24
184: LBerry_25 + 38
185: Texage_23 + 4
186: Sabinator_25 + 18
187: Rockstar_23 + 5
188: Phranny_26 + 12
189: Biglio_25 + 6
190: Ried313_23
191: Gwennie_25
192: Jobu08_25
193: BabyJohn_22 + 1
194: Veracruz_23 + 9
195: Ollie_25
196: Gemma_25
197: LugYA_27
198: Phantastic_23
199: Heathen_23 + 7
200: Kachowdy_23 + 9

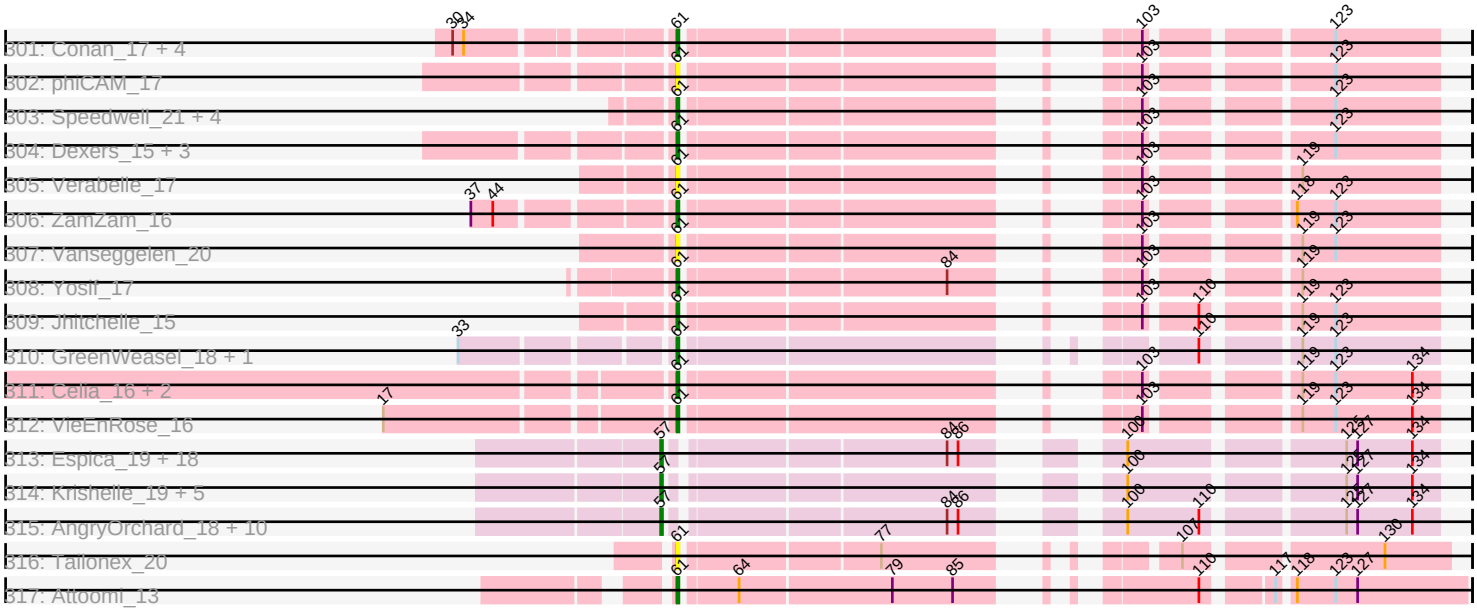
Pham 340734


201: P28Green_25
202: HaveUMetTed_26 + 1
203: SoliDragon_25
204: Cat_21
205: BabyRay_23
206: MA5_23
207: Zetzy_24
208: TNguyen7_23 + 1
209: OlanP_26
210: Kalb97_26
211: Mundrea_23
212: Alberto7_24 + 94
213: Gadost_23 + 19
214: LHTSCC_24 + 7
215: Badger_23 + 5
216: BumblebeeJJ_23 + 2
217: Stasia_24
218: PetiteSangsue_23 + 2
219: TygerBlood_23 + 1
220: Albee_23
221: Stink_24 + 2
222: Shygu2_23 + 1
223: Cintron_23
224: Cindaradix_22
225: Tinybot_22
226: Houdini22_23
227: Noelle_23
228: ForGetIt_20 + 10
229: Tiger_20
230: SyuNat_20 + 2
231: Florence1_20 + 5
232: Chadwick_22 + 5
233: Mllcery_20 + 5
234: Twigg_20
235: Tarynearal_20
236: MidaS2_20 + 1
237: Dublin_19
238: UnionJack_21
239: Scorpia_21
240: MarysWell_19
241: Naca_20
242: SuperCallie99_27 + 12
243: Indra_27 + 4
244: SuperAwesome_27 + 1
245: Hexamo_27 + 14
246: JewelBug_27 + 1
247: BennyP_27 + 5
248: Neeharika16_27 + 2
249: Kazan_27
250: Koko_27

Pham 340734


251: SmellyB_27 + 2
252: Phamo_27
253: Toro_26 + 2
254: HiNdeR_23
255: PP_33
256: DroogsArmy_24
257: Timshel_24
258: Caitlin_20 + 8
259: Dixon_20 + 2
260: Jiawan_25 + 29
261: Darrell_26
262: Bellris_23 + 4
263: Toaka_23
264: BogosyJay_25 + 1
265: Vanisoa_23 + 1
266: SneaKella_24 + 3
267: Celestialunch_23 + 1
268: Yecey3_24
269: Elephantoon_25
270: Keziacharles14_23
271: LoneWolf_25
272: Bovely_16 + 14
273: Chucky_16 + 12
274: Goby_16 + 5
275: Ollynyk_17 + 6
276: Lorelei_16 + 7
277: RedBear_18 + 2
278: Maneekul_16
279: TuanPN_16 + 2
280: TrvxScott_15
281: Triumph_18 + 1
282: Paolo_18 + 2
283: Omar_17
284: Amethyst_16
285: Jevington_18
286: BartholomewSD_18 + 1
287: Issmi_17
288: SqueakyClean_17 + 4
289: Bowden_17 + 2
290: Superstar_19
291: Loolan_17 + 1
292: ELB20_15 + 1
293: Andris_16
294: Daudau_16
295: Puginator_18
296: Nishikigoi_16 + 1
297: Caelum_18
298: Telunt_16
299: Diane_16
300: Pablito_16

Pham 340734


301: Conan_17 + 4
302: phiCAM_17
303: Speedwell_21 + 4
304: Dexers_15 + 3
305: Verabelle_17
306: ZamZam_16
307: Vanseggelen_20
308: Yosif_17
309: Jhitchelle_15
310: GreenWeasel_18 + 1
311: Celia_16 + 2
312: VieEnRose_16
313: Espica_19 + 18
314: Krishelle_19 + 5
315: AngryOrchard_18 + 10
316: Tallonex_20
317: Attooml_13

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 340734 Report

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

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

Pham number 340734 has 1070 members, 66 are drafts.

Phages represented in each track:
• Track 1 : Corvo_22, Espresso_22, MetalQZJ_22, MaryBeth_22
• Track 2 : StrongArm_21, Bexan_21, Solon_22, EnzoK_23, Seanderson_23, BillKnuckles_23, Bxb1_21, Ashballer_21
• Track 3 : GMonster_21, KSSJEB_23, SarFire_22, Gandalf20_23, Arcanine_23, MrGordo_22, Big3_22, Euphoria_22, Dreamboat_23, Switzer_24, DreamCatcher_25, Seabiscuit_24, PherrisBueller_23, Niza_24, Rajelicia_22, Michley_22, Pinto_24, U2_22, Thor_23
• Track 4 : HermioneGrange_22, Lopton_23, Aeneas_24, DD5_23, PhrostyMug_22
• Track 5 : Eyeball_22, Fushigi_23, Oogway_21, Wheeler_22, Adahisdi_23, JackSparrow_23, Cueylyss_22, Puppet_22, RidgeCB_22, Jasper_23
• Track 6 : QTRlifeCrisis_22, Naira_23, Wilkins_22, CactusRose_21, Fenn_23, Norz_24, Squee_23, Topgun_22, Pelly_23, Zeeculate_21
• Track 7 : Aldrich_23, Forsytheast_22, Ohno789_22, DirtDevil_23, Moose_21, Gyzlar_24, Noxious_24, GroundGoblin_23, Buttons_23, Hermia_24, CatBus_23, KikiBouba_24, Monet_24, A6_20, BK1_20
• Track 8 : SwissCheese_22
• Track 9 : KyMonks1A_24, Bob3_22, ConceptII_23, MPlant7149_22, Petp2012_24, PinkPlastic_21, Crispicous1_21, Chanagan_21, Papez_24, Magnar_22, Altman_24, Kanely_23, Rohr_23, Arlo_21
• Track 10 : ILeeKay_24, Gompeii16_22, Nerujay_23, Sumter_21, Francis47_22, ChristmasHams_22, Bircsak_22, Agaliana_22, Applejack_22, Zeuska_23, Sunshine924_21, JC27_25, Traft412_24
• Track 11 : Jerm2_23, TwoPeat_23
• Track 12 : PhineBark_21, Parliament_21, Levia_23, GageAP_24, Tasp14_23, McSinger_23
• Track 13 : Mkhuseli_23, Iqorha_21, SpikeBT_24, Inyanga_21, ShortQueendom_22
• Track 14 : Snazzy_20, Smairt_23, BPBiebs31_23, Violet_21, Bigchungi_22, Maroc7_21, Hami1_24, IgnatiusPatJac_21, Greg_24, Pippin_24, Blackflame_22, Sorpresa_22, Sandaddy_21, Gachnar_22, Whitspit_23, Fajezeel_24, Teodoridan_20, Sanya_22
• Track 15 : Magnito_21, PattyP_24, BigPaolini_23, Froghopper_23, Slagathor_23, Turj99_21, Sagefire_23
• Track 16 : Lamina13_22

• Track 17 : DrFeelGood_21
• Track 18 : Dulcie_21, Petruchio_22
• Track 19 : Bruns_21, StewieG_21, Burton_23, BaconJack_24, Lesedi_22, Museum_25
• Track 20 : Peterson_25
• Track 21 : Gwendoluna_24
• Track 22 : Licorice_24
• Track 23 : McGuire_23
• Track 24 : Fascinus_21, Bigfoot_21, Phlippers_21
• Track 25 : MilleFeuille_21, STLscum_23
• Track 26 : Blesser_22
• Track 27 : BarrowTuph_21, Payneful_22, Marchy_21
• Track 28 : SkiPole_24
• Track 29 : Marcell_22
• Track 30 : BigMau_24, NEHalo_22, Mule_22
• Track 31 : Briton15_24
• Track 32 : Pita2_24, PSullivan_24, Tote_24, JuliaChild_24, Dexes_23, Swole_24
• Track 33 : Beatrix_21, Homines_22
• Track 34 : Mryolo_22, Sibs6_24
• Track 35 : Ruotula_22
• Track 36 : Ringer_22
• Track 37 : CartmannCramer_22, LunarLander_22
• Track 38 : Pepe_23
• Track 39 : PowerRanger_22, Paraselene_21
• Track 40 : Alsfro_26
• Track 41 : Nhonho_22
• Track 42 : PascalRango_21, Ichabod_23
• Track 43 : Alvin_23, Rufus_23
• Track 44 : HanShotFirst_22
• Track 45 : Bones_22
• Track 46 : Rutherferd_24
• Track 47 : Manatee_23, Anglerfish_23, Pari_23
• Track 48 : Abrogate_230
• Track 49 : Abbyshoes_23, Dussy_23, Tripl3t_23, Carlyle_24, Marco3_22
• Track 50 : Rhynn_22, Lockley_22, Zephyr_22
• Track 51 : Blue_22, LilBib_23, Paphu_21
• Track 52 : Molly_23
• Track 53 : Graduation_24
• Track 54 : Edtherson_23, Treddle_24
• Track 55 : Marsha_22, ThelониousMonk_24
• Track 56 : Target_24
• Track 57 : Doom_23
• Track 58 : Watermelon_24
• Track 59 : Marge_23
• Track 60 : Makemake_22
• Track 61 : Barriga_22
• Track 62 : Smeagol_24, Rubeus_23
• Track 63 : Dynamix_23, BeesKnees_23
• Track 64 : Hope4ever_22
• Track 65 : Acme_24
• Track 66 : Kugel_23
• Track 67 : Atkinbua_23
• Track 68 : Bethlehem_22

• Track 69 : Trouble_22
• Track 70 : AFIS_22
• Track 71 : Jorgensen_22, Kykar_20
• Track 72 : BluSpix_22
• Track 73 : Scowl_24
• Track 74 : GrecoEtereo_23
• Track 75 : KBG_23
• Track 76 : Ciao_22
• Track 77 : HarryOW_23
• Track 78 : Perseus_23
• Track 79 : PacerPaul_22
• Track 80 : Raid_22
• Track 81 : ProMouse_23
• Track 82 : Kenmech_25
• Track 83 : Ajay_22
• Track 84 : Killigrew_20
• Track 85 : Trike_21
• Track 86 : Chupacabra_23, OKCentral2016_23, Goose_23
• Track 87 : PeaceMeal1_22, Severus_22, Drake94_22, KittenMittens_22, Poompha_22
• Track 88 : Kristoff_24
• Track 89 : Rowdy_26, RhynO_24, Shapes_26, DustyMartin_26
• Track 90 : Eaglepride_24
• Track 91 : Edison31_23, WalterMcMickey_23, Topanga_23, Twister_23
• Track 92 : DontArgue_22
• Track 93 : Rebeuca_24
• Track 94 : Kimba_24, Aneem_24, Flaverint_24, Salz_24, Hutc2_24, Insomnia_24, Orange_24, Ebony_24, Jabith_24, Bud_24, Sham4_24, TinyTimmy_24, Joselito_24, Et2Brutus_23, Wolpertinger_23, Bowtie_24, Mulciber_24, Mabel_24, Fibonacci_24, Saskia_24, Petersenfast_24, Snape_24, Munch_24, Lucivia_24, Timothy_24
• Track 95 : Bachome_24, Gilberta_24, MaCh_24
• Track 96 : Zimmer_26
• Track 97 : Refuge_27
• Track 98 : Pharaoh_24
• Track 99 : DarthPhader_25
• Track 100 : Steamy_25
• Track 101 : Phlei_19
• Track 102 : Gail_23
• Track 103 : Jeeves_23
• Track 104 : SororFago_23
• Track 105 : Luchador_25
• Track 106 : Sunhee_23
• Track 107 : Anon_24
• Track 108 : Strosahl_26, Boohoo_26, DekHockey33_26, Oofda_26, Looper_27, Remus_26, Battleship_27, ShayRa_27, ReMo_26, Warrior24_26, Waits_26, KatherineG_26, Nebulosus_26, Ravana_26, LastResort_26, Epsocamisio_26, Switzerland_26, Anaysia_26
• Track 109 : MinecraftSteve_27, Rosalind_26, JSwag_26, Soups_26
• Track 110 : Elle_24
• Track 111 : LogiBear_26
• Track 112 : Nedarya_25
• Track 113 : Lucyedi_25, EagleEye_26, PainterBoy_25
• Track 114 : 40AC_27

• Track 115 : MyraDee_21
• Track 116 : Kimona_20
• Track 117 : SemperFi_26, Georgie2_25
• Track 118 : Terrific_26, Sknot_24, Equemioh13_26, NaSiaTalie_24, Flare16_24, Baehexic_25, Gratitude_26, Updawg_26, Piro94_25, Centaur_26, WideWale_26
• Track 119 : TipsytheTRex_23, Serenity_23, Jsquared_23
• Track 120 : Benvolio_24, Echild_24
• Track 121 : Odin_23
• Track 122 : Iwokeuplikedis_25
• Track 123 : Naji_27, D29_24, D32_27, StarStuff_27, ANI8_27, Tomathan_27, DBQu4n_27, VC3_27, Duplo_27, C3_22, AN9_27, Pomar16_27, Travvers_27
• Track 124 : Larenn_25, Malec_25
• Track 125 : Adzzy_25, Ph8s_25, Che12_26
• Track 126 : IronMan_26
• Track 127 : MissWhite_24
• Track 128 : L5_24, Koduck_25
• Track 129 : Kerberos_27
• Track 130 : Tristan_25
• Track 131 : Retro23_24, QueenBeesly_24, SnapTap_24, DudeLittle_24, FiringLine_24, Power_24
• Track 132 : NothingSpecial_26
• Track 133 : Dalmatian_24
• Track 134 : Bradman_23, MajorMajor_23, Quokka_22
• Track 135 : SweetiePie_24, Crucio_24
• Track 136 : AnnaL29_27
• Track 137 : Loser_27
• Track 138 : AN3_24
• Track 139 : Superchunk_23, Caraxes_23
• Track 140 : Pukovnik_26, Bactobuster_25, Jaan_27, Landor_25
• Track 141 : KingCyrus_26, EvilGenius_26, Turbido_26, ChipMunk_26
• Track 142 : Anselm_24
• Track 143 : NicoleTera_28
• Track 144 : Jerm_26, Agape74_26, JoshKayV_26, Bugsy_26, Leviathan_26, LilTurb_26, Smeagan_26, AbbyPaige_26, Whabigail7_26, Dignity_26
• Track 145 : ForesterFrank_26
• Track 146 : TarsusIV_24
• Track 147 : HippoHollow_25, LionsBait_25
• Track 148 : EZMoney23_28
• Track 149 : HarryHoudini_26
• Track 150 : CRB1_24
• Track 151 : BobSwaget_27, Rachaly_27, Lokk_27
• Track 152 : Phaded_27
• Track 153 : Miko_27
• Track 154 : Prudy_27
• Track 155 : Drake55_26
• Track 156 : DeerParkTS_25
• Track 157 : Fameo_24, QueenB2_24, Heffalump_27
• Track 158 : Colin_27
• Track 159 : RedRock_27
• Track 160 : Acolyte_24
• Track 161 : Deloris_25, BengiVuitton_25
• Track 162 : LadyBird_24
• Track 163 : BabyBack_26

• Track 164 : Trooper_24
• Track 165 : Herbertwm_21
• Track 166 : GaugeLDP_26
• Track 167 : SwirlSquare_25
• Track 168 : Kalpine_27
• Track 169 : MiculUcigas_24
• Track 170 : Trixie_27
• Track 171 : Journey13_22
• Track 172 : Leogania_26
• Track 173 : 20ES_24
• Track 174 : WeiHuaDA_29
• Track 175 : ArcherNM_26
• Track 176 : VA6_24
• Track 177 : BiancaTri92_26
• Track 178 : First_0025
• Track 179 : XianYue_24
• Track 180 : Anthony_23
• Track 181 : FatCactus_22
• Track 182 : Kinmap_23
• Track 183 : Chargerpower_24
• Track 184 : LBerry_25, Hercules11_25, TinyPebbles_25, Croquant_26, AugsMagnumOpus_27, KADY_27, Watson_25, Montavir_24, Stagni_26, AgronaGT15_25, Dieselweasel_25, Vix_25, Wooldri_27, Phoebe_25, Rummer_25, Spike509_26, SoYo_25, Grub_25, Methuselah_24, Bxz2_24, MadMarie_25, Misomonster_27, JHC117_25, BuzzBuzz_24, BreSam8_25, GingkoMaracino_25, Pembroke_25, MuchMore_27, Colbster_25, LarryKay_25, Phoxy_26, Lowa_25, Snickers_25, Grum1_25, GtownJaz_25, Grif_25, PGHhamlin_27, Daishi_24, HashRod_26
• Track 185 : Texage_23, Margo_24, Noella_24, Hookmount_24, EtoileNova_24
• Track 186 : Sabinator_25, PotatoSplit_26, Mainiac_25, Penny1_26, Sabia_26, Lilith_25, Anubis_27, Malinsilva_27, Beauxregard13_25, Louie6_25, Soshari_27, StepMih_25, EpicPhail_26, Farber_25, Aglet_25, MarQuardt_25, Microwolf_25, Tiffany_25, DaHudson_25
• Track 187 : Rockstar_23, JF2_23, B1_21, MK4_23, Isca_23, JF4_23
• Track 188 : Phranny_26, PurpleHaze_25, ACFishhook_25, JeppNRM_26, Pawn_25, Manu_26, Groupthink_26, Kalnoky_26, Calvinny_25, ClownCar_25, Reba_26, Marius_26, Heliosoles_25
• Track 189 : Bigflo_25, Cullens_25, Fernando_25, Marie_25, MoneyMay_25, JenCasNa_26, Taurus_25
• Track 190 : Fred313_23
• Track 191 : Gwennie_25
• Track 192 : Jobu08_25
• Track 193 : BabyJohn_22, Chiqui_22
• Track 194 : Veracruz_23, Lambert1_24, Todacoro_24, Panamaxus_23, Norbert_23, Caviar_24, Pocahontas_24, QuinnKiro_23, ResDef_24, Popcicle_24
• Track 195 : Ollie_25
• Track 196 : Gemma_25
• Track 197 : LugYA_27
• Track 198 : Phantastic_23
• Track 199 : Heathen_23, Roimos_23, Goose1X_23, Idleandcovert_24, Puppy_24, Shep_23, Pistachio_24, Marchesa_23
• Track 200 : Kachowdy_23, Zarafa_23, Giroux_24, Bugatti_24, Scout_23, Clammy_24, Goose1D_23, SaturnRing_23, BlueBird_24, DropBear_23

• Track 201 : P28Green_25
• Track 202 : HaveUMetTed_26, PhishRPhriends_24
• Track 203 : SoilDragon_25
• Track 204 : Cat_21
• Track 205 : BabyRay_23
• Track 206 : MA5_23
• Track 207 : Zetzy_24
• Track 208 : TNguyen7_23, HelDan_23
• Track 209 : OlanP_26
• Track 210 : Kalb97_26
• Track 211 : Mundrea_23
• Track 212 : Alberto7_24, JetBlade_23, Connomayer_23, Florean_23, ICleared_23, Dhanush_24, Caelakin_23, LittleB_23, Rocksand_23, Druantia_23, LittleGuy_23, Holli_24, Citius_23, Lunsford_24, Skipitt_23, TinaFeyge_24, Medusa_23, Kampy_23, Funston_23, Romney_23, MeeZee_23, Palestino_88, Burger_22, Eros_24, Happiness_23, TroyPia_23, LeoAvram_23, YoSam321_23, Taquarus_23, Kyee_23, Baby16_23, Buckaroo_22, Scamp_23, Bartimeaus_23, Wilbur_23, Eurydice_23, Arturo_23, Chaph_23, Phontbonne_23, RockieBear_23, Flux_23, Eagle_22, Maverick_23, TiroTheta9_23, BubbleTrouble_23, Ohfah_23, OKaNui_24, Abdiel_88, Millski_88, SenorClean_23, Sabertooth_24, Broseidon_23, Phelipe_23, Polymorphads_23, Lorenzo_23, Wizard007_23, Relief_23, Nebs_23, CentreCat_23, Northrop_23, LappelDuVide_23, Lemur_23, Maxo_23, Blackmoor_23, Eris_88, Clarenza_23, KekoraPapaka_22, Junimo_22, Ulysses_22, Koreni_22, Nyxis_23, HamSlice_22, Pumbaa_23, Jaykayelowell_23, Spino_23, Roosevelt_23, Bruiser_88, Skadoosh_23, SteMason_23, Mazhar510_23, Ruin_23, Melvin_23, Morrow_23, Pipcraft_23, Bombshell_23, Commander_23, BellusTerra_23, Kremtemulon_23, Iceman_24, NorthStar_23, Koan_23, Eapen_23, Annyong_23, Peaches_23, Deano_23
• Track 213 : Gadost_23, KFPoly_23, Phighter1804_23, Nemo27_23, Camperdownii_22, Phacado_24, Shaka_23, Mayonnaise_23, JoongJeon_24, NotAPhaseMom_23, Sultana_23, Thanksgivukkah_23, Kratark_23, Wander_23, DirtyDunning_23, Cocoaberry_23, LochMonster_23, PeterPeter_23, Huxley_23, Avle17_23
• Track 214 : LHTSCC_24, Cerulean_24, ChampagnePapi_24, BangNhom_23, SheldonCooper_24, Rosa24_22, Obama12_24, Iracema64_24
• Track 215 : Badger_23, Wile_23, Achebe_86, Xena_23, Datway_23, Backyardigan_23
• Track 216 : Bumblebee11_23, Morpher26_23, Katalie136_23
• Track 217 : Stasia_24
• Track 218 : PetiteSangsue_23, Cici_23, Perplexer_23
• Track 219 : TygerBlood_23, Sparxx_23
• Track 220 : Albee_23
• Track 221 : Stink_24, Miramae_23, AvatarAhPeg_24
• Track 222 : Shygu2_23, AbbysRanger_23
• Track 223 : Cintron_23
• Track 224 : Cindaradix_22
• Track 225 : Tinybot_22
• Track 226 : Houdini22_23
• Track 227 : Noelle_23
• Track 228 : ForGetIt_20, Aragog_20, Jovo_20, Phlorence_20, PickleBack_20, Lev2_20, Archetta_20, Bluefalcon_19, Discoknowium_20, AgentM_20, Conspiracy_20
• Track 229 : Tiger_20

• Track 230 : SydNat_20, Ghoulboy_20, Zolita_19
• Track 231 : Florence1_20, Bonamassa_20, Cuco_20, Theia_18, Micasa_20, Florence4_21
• Track 232 : Chadwick_22, PetterN_21, Jabiru_20, Airmid_20, ElTiger69_21, Benedict_20
• Track 233 : Milcery_20, George_19, HuhtaEnerson15_20, Prinashe11_20, Swirley_20, LittleCherry_20
• Track 234 : Twigg_20
• Track 235 : Tarynearal_20
• Track 236 : Midas2_20, Coog_20
• Track 237 : Dublin_19
• Track 238 : UnionJack_21
• Track 239 : Scorpia_21
• Track 240 : MarysWell_19
• Track 241 : Naca_20
• Track 242 : SuperCallie99_27, Garak_28, Polyphemus_27, Imbriano_27, DelvinSonDorr_26, Isiphiwo_27, Candra_27, EricB_27, BABullseye_27, Helmet_27, Dorothea_27, Jordennis_27, Temprado_27
• Track 243 : Indra_27, CloudWang3_27, Jeffabunny_27, Hammer_28, ToneTone_25
• Track 244 : SuperAwesome_27, Pmask_27
• Track 245 : Hexamo_27, BlessJoy_27, Gladiator_27, Blue7_27, Artemis2UCLA_27, Wiks_27, Rifter_27, Tucker_27, Zaka_27, Lilbunny_27, Yokurt_27, Gruunaga_27, Roksolana_27, Zulu_27, WunderPhul_28
• Track 246 : JewelBug_27, Blinn1_27
• Track 247 : BennyP_27, GreedyLawyer_27, VohminGhazi_27, McFly_27, Kipper29_27, Hoot_27
• Track 248 : Neeharika16_27, Cookiedough_27, Newrala_28
• Track 249 : Kazan_27
• Track 250 : Koko_27
• Track 251 : SmellyB_27, Chartreuse_27, DaVinci_27
• Track 252 : Priamo_27
• Track 253 : Toro_26, Sheen_25, FlyCatcher_27
• Track 254 : HINdeR_23
• Track 255 : PP_33
• Track 256 : DroogsArmy_24
• Track 257 : Timshel_24
• Track 258 : Caitlin_20, Danforth_19, Groundhog_19, Phillis_20, Expelliarmus_19, Smeadley_20, NearlyHeadless_20, Stephig9_20, Astro_20
• Track 259 : Dixon_20, Saintus_20, Roary_20
• Track 260 : Jiawan_25, Conquerage_25, Spouty_25, Ayanochan_25, Beemo_25, ExplosioNervosa_25, Tubs_25, EmyBug_25, Aliter_25, Lilleskat_25, EdogawaKiddo_25, Catalina_25, Onglai_24, Priya_25, Qobbit_25, Alma_25, Scherzo_25, Hanray_25, Pioneer_25, Ugenie5_22, PackMan_25, Phaeder_25, Fayely_25, Myxus_25, Phonnegut_25, RyeScarlet_25, Holex_25, Sachima_25, HortumSL17_25, Eidsmoe_25
• Track 261 : Darrell_26
• Track 262 : Bellris_23, CogOmlette_22, Rahalelujah_23, Minispark_22, WorldCup_22
• Track 263 : Toaka_23
• Track 264 : BogosyJay_25, Maminiaina_25
• Track 265 : Vanisoa_23, Arissanae_23
• Track 266 : SheaKeira_24, Klodlith_24, Charm_24, DreamTeam1_24
• Track 267 : Celestialunch_23, MegTheThird_23

• Track 268 : Yecey3_24
• Track 269 : Elephantoon_25
• Track 270 : Keziacharles14_23
• Track 271 : LoneWolf_25
• Track 272 : Bovely_16, Caliburn_16, Nerdos_16, Ozzie_16, Aaronocolus_16, Leviticus_16, BeardedLady_17, SunsetPointe_16, Esperer_16, Indigo_16, Phettuccine_16, Nanodon_18, Hydra_18, Unstoppable_16, Legacy_16
• Track 273 : Chucky_16, Hippo_16, Whatever_16, Triste_16, SarahRose_16, Dwayne_16, BarryBee_18, Emaanora_18, Asten_16, Werner_16, OzzyJ_17, TagePhighter_17, Snorlax_16
• Track 274 : Goby_16, Lannister_17, Godpower_17, Toma_16, Lika_16, Sujidade_17
• Track 275 : Oliynyk_17, Rusticus_17, BryanRecycles_17, Jash_17, Eddasa_17, EnochSoames_17, Izzy_17
• Track 276 : Lorelei_16, Rana_16, Danzina_17, Celeste_16, Brataylor_17, Zemlya_17, Nabi_16, Dattran_17
• Track 277 : RedBear_18, Katalie_17, South40_17
• Track 278 : Maneekul_16
• Track 279 : TuanPN_16, Yasdnil_16, Ejemplo_16
• Track 280 : TrvxScott_15
• Track 281 : Triumph_18, Axiom_17
• Track 282 : Paolo_18, Marav_19, Zainub_18
• Track 283 : Omar_17
• Track 284 : Amethyst_16
• Track 285 : Jevington_18
• Track 286 : BartholomewSD_18, Alvy_18
• Track 287 : Issmi_17
• Track 288 : SqueakyClean_17, Hank144_17, Janus_17, GirlDinner_16, Animus_17
• Track 289 : Bowden_17, Thestral_17, TinaBelcher_16
• Track 290 : Superstar_19
• Track 291 : Loofah_17, Paedore_16
• Track 292 : ELB20_15, R4_16
• Track 293 : Andris_16
• Track 294 : Daudau_16
• Track 295 : Puginator_18
• Track 296 : Nishikigoi_16, Haizum_16
• Track 297 : Caelum_18
• Track 298 : Tefunt_16
• Track 299 : Diane_16
• Track 300 : Pablito_16
• Track 301 : Conan_17, ElGato_17, Celery_19, Provolone_17, Pavo_17
• Track 302 : phiCAM_17
• Track 303 : Speedwell_21, Amela_16, Verse_16, Saftant_16, SunkenRoot_16
• Track 304 : Dexers_15, Alsaber_17, Sudan_16, Kaine_16
• Track 305 : Verabelle_17
• Track 306 : ZamZam_16
• Track 307 : Vanseggelen_20
• Track 308 : Yosif_17
• Track 309 : Jhitchelle_15
• Track 310 : GreenWeasel_18, BroPlease_18
• Track 311 : Celia_16, Urza_16, Itza_16
• Track 312 : VieEnRose_16
• Track 313 : Espica_19, UhSalsa_19, Gollum_19, Naiad_19, Belenaria_19, Natosaleda_19, Phrankenstein_19, TWAMP_19, CosmicSans_19, Swann_19,

Alatin_19, StCroix_19, Bradshaw_19, Shuman_19, Lillie_19, Erik_19, Nancinator_19, Rhodalysa_19, RexFury_19
• Track 314 : Krishelle_19, Hiro_19, PhailMary_18, AppleCloud_17, Jester_20, Rasputin_19
• Track 315 : AngryOrchard_18, Yoncess_19, Harlequin_19, Alpacados_18, Dinger_19, Bonanza_20, Partridge_19, Takoda_19, Bryce_19, BobbyDazzler_19, Yogi_19
• Track 316 : Tailonex_20
• Track 317 : Attoomi_13

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

The start number called the most often in the published annotations is 59, it was called in 322 of the 1004 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_24, 40AC_27, AN3_24, AN9_27, ANI8_27, AbbyPaige_26, Acolyte_24, Adzzy_25, Agape74_26, AgentM_20, Airmid_20, Aliter_25, Alma_25, Anaysia_26, Aneem_24, AnnaL29_27, Anon_24, Anselm_24, Anthony_23, Aragog_20, ArcherNM_26, Archetta_20, Artemis2UCLA_27, Astro_20, Ayanochan_25, BABullseye_27, BabyBack_26, Bachome_24, Bactobuster_25, Baehexic_25, Battleship_27, Beemo_25, Bellris_23, Benedict_20, BengiVuitton_25, BennyP_27, Benvolio_24, BiancaTri92_26, BlessJoy_27, Blinn1_27, Blue7_27, Bluefalcon_19, BobSwaget_27, BogosyJay_25, Bonamassa_20, Boohoo_26, Bowtie_24, Bradman_23, Bud_24, Bugsy_26, C3_22, CRB1_24, Caitlin_20, Candra_27, Caraxes_23, Catalina_25, Celestialunch_23, Centaur_26, Chadwick_22, Chargerpower_24, Charm_24, Chartreuse_27, Che12_26, ChipMunk_26, CogOmlette_22, Colin_27, Conquerage_25, Conspiracy_20, Cookiedough_27, Crucio_24, Cuco_20, D29_24, D32_27, DBQu4n_27, DaVinci_27, Dalmatian_24, Danforth_19, Darrell_26, DarthPhader_25, DeerParkTS_25, DekHockey33_26, Deloris_25, DelvinSonDorr_26, Dignity_26, Discoknowium_20, Dixon_20, Dorothea_27, Drake55_26, DreamTeam1_24, DroogsArmy_24, Dublin_19, DudeLittle_24, Duplo_27, EZMoney23_28, EagleEye_26, Ebony_24, Echild_24, EdogawaKiddo_25, Eidsmoe_25, ElTiger69_21, Elephantoon_25, Elle_24, EmyBug_25, Epsocamisio_26, Equemioh13_26, EricB_27, Et2Brutus_23, EvilGenius_26, Expelliarmus_19, ExplosioNervosa_25, Fameo_24, FatCactus_22, Fayely_25, Fibonacci_24, FiringLine_24, Flare16_24, Flaverint_24, Florence1_20, Florence4_21, FlyCatcher_27, ForGetIt_20, ForesterFrank_26, Gail_23, Garak_28, GaugeLDP_26, George_19, Georgie2_25, Ghoulboy_20, Gilberta_24, Gladiator_27, Gratitude_26, GreedyLawyer_27, Groundhog_19, Gruunaga_27, HINdeR_23, Hanray_25, HarryHoudini_26, Heffalump_27, Helmet_27, Herbertwm_21, Hexamo_27, HippoHollow_25, Holex_25, Hoot_27, HortumSL17_25, HuhtaEnerson15_20, Hutc2_24, Imbriano_27, Insomnia_24, IronMan_26, Isiphiwo_27, Iwokeuplikedis_25, JSwag_26, Jaan_27, Jabiru_20, Jabith_24, Jeeves_23, Jerm_26, JewelBug_27, Jiawan_25, Jordennis_27, Joselito_24, JoshKayV_26, Journey13_22, Jovo_20, Jsquared_23, Kalpine_27, KatherineG_26, Kerberos_27, Keziacharles14_23, Kimba_24, KingCyrus_26, Kinmap_23, Kipper29_27, Klodlith_24, Koduck_25, Koko_27, L5_24, LadyBird_24, Landor_25, Larenn_25, LastResort_26, Leogania_26, Lev2_20, Leviathan_26, LilTurb_26, Lilbunny_27, Lilleskat_25, LionsBait_25, LittleCherry_20, Lokk_27, LoneWolf_25,

Looper_27, Loser_27, Luchador_25, Lucivia_24, Lucyedi_25, MaCh_24, Mabel_24, MajorMajor_23, Malec_25, Maminiaina_25, MarysWell_19, McFly_27, MegTheThird_23, Micasa_20, MiculUcigas_24, Miko_27, Milcery_20, MinecraftSteve_27, Minispark_22, MissWhite_24, Mulciber_24, Munch_24, MyraDee_21, Myxus_25, NaSiaTalie_24, Naji_27, NearlyHeadless_20, Nebulosus_26, Neeharika16_27, Newrala_28, NicoleTera_28, NothingSpecial_26, Odin_23, Onglai_24, Oofda_26, Orange_24, PP_33, PackMan_25, PainterBoy_25, Petersenfast_24, PetterN_21, Ph8s_25, Phaeder_25, Pharaoh_24, Phillis_20, Phlei_19, Phlorence_20, Phonnegut_25, PickleBack_20, Pioneer_25, Piro94_25, Polyphemus_27, Pomar16_27, Power_24, Priamo_27, Prinashe11_20, Priya_25, Prudy_27, Pukovnik_26, Qobbit_25, QueenB2_24, QueenBeesly_24, Quokka_22, Rachaly_27, Rahalelujah_23, Ravana_26, ReMo_26, RedRock_27, Refuge_27, Remus_26, Retro23_24, Rifter_27, Roary_20, Roksolana_27, Rosalind_26, RyeScarlet_25, Sachima_25, Saintus_20, Salz_24, Saskia_24, Scherzo_25, Scorpia_21, SemperFi_26, Serenity_23, Sham4_24, ShayRa_27, SheaKeira_24, Sheen_25, Sknot_24, Smeadley_20, Smeagan_26, SmellyB_27, SnapTap_24, Snape_24, SororFago_23, Soups_26, Spouty_25, StarStuff_27, Steamy_25, Stephig9_20, Strosahl_26, Sunhee_23, SuperCallie99_27, Superchunk_23, SweetiePie_24, SwirlSquare_25, Swirley_20, Switzerland_26, SydNat_20, TarsusIV_24, Tarynearal_20, Temprado_27, Terrific_26, Theia_18, Tiger_20, Timothy_24, Timshel_24, TinyTimmy_24, TipsytheTRex_23, Tomathan_27, Toro_26, Travvers_27, Tristan_25, Trixie_27, Trooper_24, Tubs_25, Tucker_27, Turbido_26, Twigg_20, Ugenie5_22, Updawg_26, VA6_24, VC3_27, VohminGhazi_27, Waits_26, Warrior24_26, WeiHuaDA_29, Whabigail7_26, WideWale_26, Wiks_27, Wolpertinger_23, WorldCup_22, WunderPhul_28, XianYue_24, Yokurt_27, Zaka_27, Zimmer_26, Zolita_19, Zulu_27,

Genes that have the "Most Annotated" start but do not call it:
• CloudWang3_27, Coog_20, First_0025, Hammer_28, Indra_27, Jeffabunny_27, Kazan_27, Midas2_20, Naca_20, Phaded_27, Pmask_27, SuperAwesome_27, ToneTone_25, UnionJack_21,

Genes that do not have the "Most Annotated" start:
• A6_20, ACFishhook_25, AFIS_22, Aaronocolus_16, AbbysRanger_23, Abbyshoes_23, Abdiel_88, Abrogate_230, Achebe_86, Acme_24, Adahisdi_23, Aeneas_24, Agaliana_22, Aglet_25, AgronaGT15_25, Ajay_22, Alatin_19, Albee_23, Alberto7_24, Aldrich_23, Alpacados_18, Alsaber_17, Alsfro_26, Altman_24, Alvin_23, Alvy_18, Amela_16, Amethyst_16, Andris_16, Anglerfish_23, AngryOrchard_18, Animus_17, Annyong_23, Anubis_27, AppleCloud_17, Applejack_22, Arcanine_23, Arissanae_23, Arlo_21, Arturo_23, Ashballer_21, Asten_16, Atkinbua_23, Attoomi_13, AugsMagnumOpus_27, AvatarAhPeg_24, Avle17_23, Axiom_17, B1_21, BK1_20, BPBiebs31_23, Baby16_23, BabyJohn_22, BabyRay_23, Backyardigan_23, BaconJack_24, Badger_23, BangNhom_23, Barriga_22, BarrowTuph_21, BarryBee_18, BartholomewSD_18, Bartimeaus_23, BeardedLady_17, Beatrix_21, Beauxregard13_25, BeesKnees_23, Belenaria_19, BellusTerra_23, Bethlehem_22, Bexan_21, Big3_22, BigMau_24, BigPaolini_23, Bigchungi_22, Bigflo_25, Bigfoot_21, BillKnuckles_23, Bircsak_22, Blackflame_22, Blackmoor_23, Blesser_22, BluSpix_22, BlueBird_24, Blue_22, Bob3_22, BobbyDazzler_19, Bombshell_23, Bonanza_20, Bones_22, Bovely_16, Bowden_17, Bradshaw_19, Brataylor_17, BreSam8_25, Briton15_24, BroPlease_18, Broseidon_23, Bruiser_88, Bruns_21, BryanRecycles_17, Bryce_19, BubbleTrouble_23, Buckaroo_22, Bugatti_24, Bumblebee11_23, Burger_22, Burton_23, Buttons_23, BuzzBuzz_24, Bxb1_21, Bxz2_24, CactusRose_21, Caelakin_23, Caelum_18, Caliburn_16, Calvinny_25,

Camperdownii_22, Carlyle_24, CartmannCramer_22, CatBus_23, Cat_21, Caviar_24, Celery_19, Celeste_16, Celia_16, CentreCat_23, Cerulean_24, ChampagnePapi_24, Chanagan_21, Chaph_23, Chiqui_22, ChristmasHams_22, Chucky_16, Chupacabra_23, Ciao_22, Cici_23, Cindaradix_22, Cintron_23, Citius_23, Clammy_24, Clarenza_23, ClownCar_25, Cocoaberry_23, Colbster_25, Commander_23, Conan_17, ConceptII_23, Connomayer_23, Corvo_22, CosmicSans_19, Crispicous1_21, Croquant_26, Cueylyss_22, Cullens_25, DD5_23, DaHudson_25, Daishi_24, Danzina_17, Dattran_17, Datway_23, Daudau_16, Deano_23, Dexers_15, Dexes_23, Dhanush_24, Diane_16, Dieselweasel_25, Dinger_19, DirtDevil_23, DirtyDunning_23, DontArgue_22, Doom_23, DrFeelGood_21, Drake94_22, DreamCatcher_25, Dreamboat_23, DropBear_23, Druantia_23, Dulcie_21, Dussy_23, DustyMartin_26, Dwayne_16, Dynamix_23, ELB20_15, Eagle_22, Eaglepride_24, Eapen_23, Eddasa_17, Edison31_23, Edtherson_23, Ejemplo_16, ElGato_17, Emaanora_18, EnochSoames_17, EnzoK_23, EpicPhail_26, Erik_19, Eris_88, Eros_24, Esperer_16, Espica_19, Espresso_22, EtoileNova_24, Euphoria_22, Eurydice_23, Eyeball_22, Fajezeel_24, Farber_25, Fascinus_21, Fenn_23, Fernando_25, Florean_23, Flux_23, Forsytheast_22, Francis47_22, Fred313_23, Froghopper_23, Funston_23, Fushigi_23, GMonster_21, Gachnar_22, Gadost_23, GageAP_24, Gandalf20_23, Gemma_25, GingkoMaracino_25, GirlDinner_16, Giroux_24, Goby_16, Godpower_17, Gollum_19, Gompeii16_22, Goose1D_23, Goose1X_23, Goose_23, Graduation_24, GrecoEtereo_23, GreenWeasel_18, Greg_24, Grif_25, GroundGoblin_23, Groupthink_26, Grub_25, Grum1_25, GtownJaz_25, Gwendoluna_24, Gwennie_25, Gyzlar_24, Haizum_16, HamSlice_22, Hami1_24, HanShotFirst_22, Hank144_17, Happiness_23, Harlequin_19, HarryOW_23, HashRod_26, HaveUMetTed_26, Heathen_23, HelDan_23, Heliosoles_25, Hercules11_25, Hermia_24, HermioneGrange_22, Hippo_16, Hiro_19, Holli_24, Homines_22, Hookmount_24, Hope4ever_22, Houdini22_23, Huxley_23, Hydra_18, ICleared_23, ILeeKay_24, Iceman_24, Ichabod_23, Idleandcovert_24, IgnatiusPatJac_21, Indigo_16, Inyanga_21, Iqorha_21, Iracema64_24, Isca_23, Issmi_17, Itza_16, Izzy_17, JC27_25, JF2_23, JF4_23, JHC117_25, JackSparrow_23, Janus_17, Jash_17, Jasper_23, Jaykayelowell_23, JenCasNa_26, JeppNRM_26, Jerm2_23, Jester_20, JetBlade_23, Jevington_18, Jhitchelle_15, Jobu08_25, JoongJeon_24, Jorgensen_22, JuliaChild_24, Junimo_22, KADY_27, KBG_23, KFPoly_23, KSSJEB_23, Kachowdy_23, Kaine_16, Kalb97_26, Kalnoky_26, Kampy_23, Kanely_23, Katalie136_23, Katalie_17, KekoraPapaka_22, Kenmech_25, KikiBouba_24, Killigrew_20, Kimona_20, KittenMittens_22, Koan_23, Koreni_22, Kratark_23, Kremtemulon_23, Krishelle_19, Kristoff_24, Kugel_23, KyMonks1A_24, Kyee_23, Kykar_20, LBerry_25, LHTSCC_24, Lambert1_24, Lamina13_22, Lannister_17, LappelDuVide_23, LarryKay_25, Legacy_16, Lemur_23, LeoAvram_23, Lesedi_22, Levia_23, Leviticus_16, Licorice_24, Lika_16, LilBib_23, Lilith_25, Lillie_19, LittleB_23, LittleGuy_23, LochMonster_23, Lockley_22, LogiBear_26, Loofah_17, Lopton_23, Lorelei_16, Lorenzo_23, Louie6_25, Lowa_25, LugYA_27, LunarLander_22, Lunsford_24, MA5_23, MK4_23, MPlant7149_22, MadMarie_25, Magnar_22, Magnito_21, Mainiac_25, Makemake_22, Malinsilva_27, Manatee_23, Maneekul_16, Manu_26, MarQuardt_25, Marav_19, Marcell_22, Marchesa_23, Marchy_21, Marco3_22, Marge_23, Margo_24, Marie_25, Marius_26, Maroc7_21, Marsha_22, MaryBeth_22, Maverick_23, Maxo_23, Mayonnaise_23, Mazhar510_23, McGuire_23, McSinger_23, Medusa_23, MeeZee_23, Melvin_23, MetalQZJ_22, Methuselah_24, Michley_22, Microwolf_25, MilleFeuille_21, Millski_88, Miramae_23, Misomonster_27, Mkhuseli_23, Molly_23, Monet_24, MoneyMay_25, Montavir_24, Moose_21, Morpher26_23, Morrow_23, MrGordo_22, Mryolo_22, MuchMore_27, Mule_22, Mundrea_23, Museum_25, NEHalo_22, Nabi_16,

Naiad_19, Naira_23, Nancinator_19, Nanodon_18, Natosaleda_19, Nebs_23, Nedarya_25, Nemo27_23, Nerdos_16, Nerujay_23, Nhonho_22, Nishikigoi_16, Niza_24, Noella_24, Noelle_23, Norbert_23, NorthStar_23, Northrop_23, Norz_24, NotAPhaseMom_23, Noxious_24, Nyxis_23, OKCentral2016_23, OKaNui_24, Obama12_24, Ohfah_23, Ohno789_22, OlanP_26, Oliynyk_17, Ollie_25, Omar_17, Oogway_21, Ozzie_16, OzzyJ_17, P28Green_25, PGHhamlin_27, PSullivan_24, Pablito_16, PacerPaul_22, Paedore_16, Palestino_88, Panamaxus_23, Paolo_18, Papez_24, Paphu_21, Paraselene_21, Pari_23, Parliament_21, Partridge_19, PascalRango_21, PattyP_24, Pavo_17, Pawn_25, Payneful_22, PeaceMeal1_22, Peaches_23, Pelly_23, Pembroke_25, Penny1_26, Pepe_23, Perplexer_23, Perseus_23, PeterPeter_23, Peterson_25, PetiteSangsue_23, Petp2012_24, Petruchio_22, Phacado_24, PhailMary_18, Phantastic_23, Phelipe_23, PherrisBueller_23, Phettuccine_16, Phighter1804_23, PhineBark_21, PhishRPhriends_24, Phlippers_21, Phoebe_25, Phontbonne_23, Phoxy_26, Phrankenstein_19, Phranny_26, PhrostyMug_22, PinkPlastic_21, Pinto_24, Pipcraft_23, Pippin_24, Pistachio_24, Pita2_24, Pocahontas_24, Polymorphads_23, Poompha_22, Popcicle_24, PotatoSplit_26, PowerRanger_22, ProMouse_23, Provolone_17, Puginator_18, Pumbaa_23, Puppet_22, Puppy_24, PurpleHaze_25, QTRlifeCrisis_22, QuinnKiro_23, R4_16, Raid_22, Rajelicia_22, Rana_16, Rasputin_19, Reba_26, Rebeuca_24, RedBear_18, Relief_23, ResDef_24, RexFury_19, Rhodalysa_19, RhynO_24, Rhynn_22, RidgeCB_22, Ringer_22, RockieBear_23, Rocksand_23, Rockstar_23, Rohr_23, Roimos_23, Romney_23, Roosevelt_23, Rosa24_22, Rowdy_26, Rubeus_23, Rufus_23, Ruin_23, Rummer_25, Ruotula_22, Rusticus_17, Rutherferd_24, STLscum_23, Sabertooth_24, Sabia_26, Sabinator_25, Saftant_16, Sagefire_23, Sandaddy_21, Sanya_22, SarFire_22, SarahRose_16, SaturnRing_23, Scamp_23, Scout_23, Scowl_24, Seabiscuit_24, Seanderson_23, SenorClean_23, Severus_22, Shaka_23, Shapes_26, SheldonCooper_24, Shep_23, ShortQueendom_22, Shuman_19, Shygu2_23, Sibs6_24, Skadoosh_23, SkiPole_24, Skipitt_23, Slagathor_23, Smairt_23, Smeagol_24, Snazzy_20, Snickers_25, Snorlax_16, SoYo_25, SoilDragon_25, Solon_22, Sorpresa_22, Soshari_27, South40_17, Sparxx_23, Speedwell_21, Spike509_26, SpikeBT_24, Spino_23, SqueakyClean_17, Squee_23, StCroix_19, Stagni_26, Stasia_24, SteMason_23, StepMih_25, StewieG_21, Stink_24, StrongArm_21, Sudan_16, Sujidade_17, Sultana_23, Sumter_21, SunkenRoot_16, SunsetPointe_16, Sunshine924_21, Superstar_19, Swann_19, SwissCheese_22, Switzer_24, Swole_24, TNguyen7_23, TWAMP_19, TagePhighter_17, Tailonex_20, Takoda_19, Taquarus_23, Target_24, Tasp14_23, Taurus_25, Tefunt_16, Teodoridan_20, Texage_23, Thanksgivukkah_23, TheloniousMonk_24, Thestral_17, Thor_23, Tiffany_25, TinaBelcher_16, TinaFeyge_24, TinyPebbles_25, Tinybot_22, TiroTheta9_23, Toaka_23, Todacoro_24, Toma_16, Topanga_23, Topgun_22, Tote_24, Traft412_24, Treddle_24, Trike_21, Tripl3t_23, Triste_16, Triumph_18, Trouble_22, TroyPia_23, TrvxScott_15, TuanPN_16, Turj99_21, Twister_23, TwoPeat_23, TygerBlood_23, U2_22, UhSalsa_19, Ulysses_22, Unstoppable_16, Urza_16, Vanisoa_23, Vanseggelen_20, Verabelle_17, Veracruz_23, Verse_16, VieEnRose_16, Violet_21, Vix_25, WalterMcMickey_23, Wander_23, Watermelon_24, Watson_25, Werner_16, Whatever_16, Wheeler_22, Whitspit_23, Wilbur_23, Wile_23, Wilkins_22, Wizard007_23, Wooldri_27, Xena_23, Yasdnil_16, Yecey3_24, YoSam321_23, Yogi_19, Yoncess_19, Yosif_17, Zainub_18, ZamZam_16, Zarafa_23, Zeeculate_21, Zemlya_17, Zephyr_22, Zetzy_24, Zeuska_23, phiCAM_17,

Summary by start number:

Start 14:
• Found in 6 of 1070 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 1004
• Called 16.7% of time when present
• Phage (with cluster) where this start called: HarryOW_23 (A1),

Start 20:
• Found in 1 of 1070 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1004
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TrvxScott_15 (BD2),

Start 23:
• Found in 23 of 1070 (2.1%) of genes in pham
• Manual Annotations of this start: 2 of 1004
• Called 8.7% of time when present
• Phage (with cluster) where this start called: HelDan_23 (A3), TNguyen7_23 (A3),

Start 26:
• Found in 49 of 1070 (4.6%) of genes in pham
• Manual Annotations of this start: 1 of 1004
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Phaded_27 (A2),

Start 27:
• Found in 4 of 1070 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1004
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Licorice_24 (A1),

Start 32:
• Found in 4 of 1070 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1004
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Bethlehem_22 (A1),

Start 36:
• Found in 10 of 1070 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 1004
• Called 20.0% of time when present
• Phage (with cluster) where this start called: KBG_23 (A1), SkiPole_24 (A1),

Start 38:
• Found in 117 of 1070 (10.9%) of genes in pham
• Manual Annotations of this start: 24 of 1004
• Called 20.5% of time when present
• Phage (with cluster) where this start called: Aeneas_24 (A1), Alvin_23 (A1), BigPaolini_23 (A1), DD5_23 (A1), DrFeelGood_21 (A1), Edtherson_23 (A1), Froghopper_23 (A1), HermioneGrange_22 (A1), Kugel_23 (A1), Lockley_22 (A1), Lopton_23 (A1), Magnito_21 (A1), Marcell_22 (A1), PattyP_24 (A1), Peterson_25 (A1), PhrostyMug_22 (A1), Rhynn_22 (A1), Rufus_23 (A1), Sagefire_23 (A1), Slagathor_23 (A1), Treddle_24 (A1), Trouble_22 (A1), Turj99_21 (A1), Zephyr_22 (A1),

Start 39:
• Found in 38 of 1070 (3.6%) of genes in pham
• Manual Annotations of this start: 3 of 1004
• Called 7.9% of time when present
• Phage (with cluster) where this start called: Coog_20 (A5), Midas2_20 (A5), Naca_20 (A5),

Start 48:
• Found in 188 of 1070 (17.6%) of genes in pham
• Manual Annotations of this start: 41 of 1004
• Called 24.5% of time when present
• Phage (with cluster) where this start called: Aglet_25 (A3), Anubis_27 (A3), B1_21 (A3), Beauxregard13_25 (A3), CloudWang3_27 (A6), DaHudson_25 (A3), EpicPhail_26 (A3), Farber_25 (A3), First_0025 (A2), Goose1X_23 (A3), Hammer_28 (A6), Heathen_23 (A3), Idleandcovert_24 (A3), Indra_27 (A6), Isca_23 (A3), JF2_23 (A3), JF4_23 (A3), Jeffabunny_27 (A6), Jobu08_25 (A3), Kazan_27 (A6), Lilith_25 (A3), Louie6_25 (A3), MA5_23 (A3), MK4_23 (A3), Mainiac_25 (A3), Malinsilva_27 (A3), MarQuardt_25 (A3), Marchesa_23 (A3), Microwolf_25 (A3), Penny1_26 (A3), Phantastic_23 (A3), Pistachio_24 (A3), Pmask_27 (A6), PotatoSplit_26 (A3), Puppy_24 (A3), Rockstar_23 (A3), Roimos_23 (A3), Sabia_26 (A3), Sabinator_25 (A3), Shep_23 (A3), Soshari_27 (A3), StepMih_25 (A3), SuperAwesome_27 (A6), Tiffany_25 (A3), ToneTone_25 (A6), UnionJack_21 (A5),

Start 57:
• Found in 348 of 1070 (32.5%) of genes in pham
• Manual Annotations of this start: 289 of 1004
• Called 89.1% of time when present
• Phage (with cluster) where this start called: ACFishhook_25 (A3), AbbysRanger_23 (A4), Abdiel_88 (A4), Achebe_86 (A4), AgronaGT15_25 (A3), Alatin_19 (CA), Albee_23 (A4), Alberto7_24 (A4), Alpacados_18 (CA), AngryOrchard_18 (CA), Annyong_23 (A4), AppleCloud_17 (CA), Arturo_23 (A4), AugsMagnumOpus_27 (A3), AvatarAhPeg_24 (A4), Avle17_23 (A4), Baby16_23 (A4), BabyJohn_22 (A3), BabyRay_23 (A3), Backyardigan_23 (A4), Badger_23 (A4), BangNhom_23 (A4), Bartimeaus_23 (A4), Belenaria_19 (CA), BellusTerra_23 (A4), Bigflo_25 (A3), Blackmoor_23 (A4), BlueBird_24 (A3), BobbyDazzler_19 (CA), Bombshell_23 (A4), Bonanza_20 (CA), Bradshaw_19 (CA), BreSam8_25 (A3), Broseidon_23 (A4), Bruiser_88 (A4), Bryce_19 (CA), BubbleTrouble_23 (A4), Buckaroo_22 (A4), Bugatti_24 (A3), Bumblebee11_23 (A4), Burger_22 (A4), BuzzBuzz_24 (A3), Bxz2_24 (A3), Caelakin_23 (A4), Calvinny_25 (A3), Camperdownii_22 (A4), Cat_21 (A3), Caviar_24 (A3), CentreCat_23 (A4), Cerulean_24 (A4), ChampagnePapi_24 (A4), Chaph_23 (A4), Chiqui_22 (A3), Chupacabra_23 (A10), Cici_23 (A4), Cindaradix_22 (A4), Cintron_23 (A4), Citius_23 (A4), Clammy_24 (A3), Clarenza_23 (A4), ClownCar_25 (A3), Cocoaberry_23 (A4), Colbster_25 (A3), Commander_23 (A4), Connomayer_23 (A4), CosmicSans_19 (CA), Croquant_26 (A3), Cullens_25 (A3), Daishi_24 (A3), Datway_23 (A4), Deano_23 (A4), Dhanush_24 (A4), Dieselweasel_25 (A3), Dinger_19 (CA), DirtyDunning_23 (A4), DontArgue_22 (A10), Drake94_22 (A10), DropBear_23 (A3), Druantia_23 (A4), DustyMartin_26 (A10), Eagle_22 (A4), Eaglepride_24 (A10), Eapen_23 (A4), Edison31_23 (A10), Erik_19 (CA), Eris_88 (A4), Eros_24 (A4), Espica_19 (CA), EtoileNova_24 (A3), Eurydice_23 (A4), Fernando_25 (A3), Florean_23 (A4), Flux_23 (A4), Fred313_23 (A3), Funston_23 (A4), Gadost_23 (A4), Gemma_25 (A3), GingkoMaracino_25 (A3), Giroux_24 (A3), Gollum_19 (CA), Goose1D_23 (A3), Goose_23 (A10), Grif_25 (A3),

Groupthink_26 (A3), Grub_25 (A3), Grum1_25 (A3), GtownJaz_25 (A3), Gwennie_25 (A3), HamSlice_22 (A4), Happiness_23 (A4), Harlequin_19 (CA), HashRod_26 (A3), HaveUMetTed_26 (A3), Heliosoles_25 (A3), Hercules11_25 (A3), Hiro_19 (CA), Holli_24 (A4), Hookmount_24 (A3), Houdini22_23 (A4), Huxley_23 (A4), ICleared_23 (A4), Iceman_24 (A4), Iracema64_24 (A4), JHC117_25 (A3), Jaykayelowell_23 (A4), JenCasNa_26 (A3), JeppNRM_26 (A3), Jester_20 (CA), JetBlade_23 (A4), JoongJeon_24 (A4), Junimo_22 (A4), KADY_27 (A3), KFPoly_23 (A4), Kachowdy_23 (A3), Kalb97_26 (A3), Kalnoky_26 (A3), Kampy_23 (A4), Katalie136_23 (A4), KekoraPapaka_22 (A4), Kimona_20 (A19), KittenMittens_22 (A10), Koan_23 (A4), Koreni_22 (A4), Kratark_23 (A4), Kremtemulon_23 (A4), Krishelle_19 (CA), Kristoff_24 (A10), Kyee_23 (A4), LBerry_25 (A3), LHTSCC_24 (A4), Lambert1_24 (A3), LappelDuVide_23 (A4), LarryKay_25 (A3), Lemur_23 (A4), LeoAvram_23 (A4), Lillie_19 (CA), LittleB_23 (A4), LittleGuy_23 (A4), LochMonster_23 (A4), LogiBear_26 (A15), Lorenzo_23 (A4), Lowa_25 (A3), LugYA_27 (A3), Lunsford_24 (A4), MadMarie_25 (A3), Manu_26 (A3), Margo_24 (A3), Marie_25 (A3), Marius_26 (A3), Maverick_23 (A4), Maxo_23 (A4), Mayonnaise_23 (A4), Mazhar510_23 (A4), Medusa_23 (A4), MeeZee_23 (A4), Melvin_23 (A4), Methuselah_24 (A3), Millski_88 (A4), Miramae_23 (A4), Misomonster_27 (A3), MoneyMay_25 (A3), Montavir_24 (A3), Morpher26_23 (A4), Morrow_23 (A4), MuchMore_27 (A3), Mundrea_23 (A4), Naiad_19 (CA), Nancinator_19 (CA), Natosaleda_19 (CA), Nebs_23 (A4), Nedarya_25 (A15), Nemo27_23 (A4), Noella_24 (A3), Noelle_23 (A4), Norbert_23 (A3), NorthStar_23 (A4), Northrop_23 (A4), NotAPhaseMom_23 (A4), Nyxis_23 (A4), OKCentral2016_23 (A10), OKaNui_24 (A4), Obama12_24 (A4), Ohfah_23 (A4), OlanP_26 (A3), Ollie_25 (A3), P28Green_25 (A3), PGHhamlin_27 (A3), Palestino_88 (A4), Panamaxus_23 (A3), Partridge_19 (CA), Pawn_25 (A3), PeaceMeal1_22 (A10), Peaches_23 (A4), Pembroke_25 (A3), Perplexer_23 (A4), PeterPeter_23 (A4), PetiteSangsue_23 (A4), Phacado_24 (A4), PhailMary_18 (CA), Phelipe_23 (A4), Phighter1804_23 (A4), PhishRPhriends_24 (A3), Phoebe_25 (A3), Phontbonne_23 (A4), Phoxy_26 (A3), Phrankenstein_19 (CA), Phranny_26 (A3), Pipcraft_23 (A4), Pocahontas_24 (A3), Polymorphads_23 (A4), Poompha_22 (A10), Popcicle_24 (A3), Pumbaa_23 (A4), PurpleHaze_25 (A3), QuinnKiro_23 (A3), Rasputin_19 (CA), Reba_26 (A3), Rebeuca_24 (A10), Relief_23 (A4), ResDef_24 (A3), RexFury_19 (CA), Rhodalysa_19 (CA), RhynO_24 (A10), RockieBear_23 (A4), Rocksand_23 (A4), Romney_23 (A4), Roosevelt_23 (A4), Rosa24_22 (A4), Rowdy_26 (A10), Ruin_23 (A4), Rummer_25 (A3), Sabertooth_24 (A4), SaturnRing_23 (A3), Scamp_23 (A4), Scout_23 (A3), SenorClean_23 (A4), Severus_22 (A10), Shaka_23 (A4), Shapes_26 (A10), SheldonCooper_24 (A4), Shuman_19 (CA), Shygu2_23 (A4), Skadoosh_23 (A4), Skipitt_23 (A4), Snickers_25 (A3), SoYo_25 (A3), SoilDragon_25 (A3), Sparxx_23 (A4), Spike509_26 (A3), Spino_23 (A4), StCroix_19 (CA), Stagni_26 (A3), Stasia_24 (A4), SteMason_23 (A4), Stink_24 (A4), Sultana_23 (A4), Swann_19 (CA), TWAMP_19 (CA), Takoda_19 (CA), Taquarus_23 (A4), Taurus_25 (A3), Texage_23 (A3), Thanksgivukkah_23 (A4), TinaFeyge_24 (A4), TinyPebbles_25 (A3), Tinybot_22 (A4), TiroTheta9_23 (A4), Todacoro_24 (A3), Topanga_23 (A10), Trike_21 (A10), TroyPia_23 (A4), Twister_23 (A10), TygerBlood_23 (A4), UhSalsa_19 (CA), Ulysses_22 (A4), Veracruz_23 (A3), Vix_25 (A3), WalterMcMickey_23 (A10), Wander_23 (A4), Watson_25 (A3), Wilbur_23 (A4), Wile_23 (A4), Wizard007_23 (A4), Wooldri_27 (A3), Xena_23 (A4), YoSam321_23 (A4), Yogi_19 (CA), Yoncess_19 (CA), Zarafa_23 (A3), Zetzy_24 (A3),

Start 58:
• Found in 4 of 1070 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 1004
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Arissanae_23 (A9), Toaka_23 (A9), Vanisoa_23 (A9), Yecey3_24 (A9),

Start 59:
• Found in 355 of 1070 (33.2%) of genes in pham
• Manual Annotations of this start: 322 of 1004
• Called 96.1% of time when present
• Phage (with cluster) where this start called: 20ES_24 (A2), 40AC_27 (A17), AN3_24 (A2), AN9_27 (A2), ANI8_27 (A2), AbbyPaige_26 (A2), Acolyte_24 (A2), Adzzy_25 (A2), Agape74_26 (A2), AgentM_20 (A5), Airmid_20 (A5), Aliter_25 (A9), Alma_25 (A9), Anaysia_26 (A15), Aneem_24 (A11), AnnaL29_27 (A2), Anon_24 (A15), Anselm_24 (A2), Anthony_23 (A20), Aragog_20 (A5), ArcherNM_26 (A2), Archetta_20 (A5), Artemis2UCLA_27 (A6), Astro_20 (A8), Ayanochan_25 (A9), BABullseye_27 (A6), BabyBack_26 (A2), Bachome_24 (A11), Bactobuster_25 (A2), Baehexic_25 (A2), Battleship_27 (A15), Beemo_25 (A9), Bellris_23 (A9), Benedict_20 (A5), BengiVuitton_25 (A2), BennyP_27 (A6), Benvolio_24 (A2), BiancaTri92_26 (A2), BlessJoy_27 (A6), Blinn1_27 (A6), Blue7_27 (A6), Bluefalcon_19 (A5), BobSwaget_27 (A2), BogosyJay_25 (A9), Bonamassa_20 (A5), Boohoo_26 (A15), Bowtie_24 (A11), Bradman_23 (A2), Bud_24 (A11), Bugsy_26 (A2), C3_22 (A2), CRB1_24 (A2), Caitlin_20 (A8), Candra_27 (A6), Caraxes_23 (A2), Catalina_25 (A9), Celestialunch_23 (A9), Centaur_26 (A2), Chadwick_22 (A5), Chargerpower_24 (A22), Charm_24 (A9), Chartreuse_27 (A6), Che12_26 (A2), ChipMunk_26 (A2), CogOmlette_22 (A9), Colin_27 (A2), Conquerage_25 (A9), Conspiracy_20 (A5), Cookiedough_27 (A6), Crucio_24 (A2), Cuco_20 (A5), D29_24 (A2), D32_27 (A2), DBQu4n_27 (A2), DaVinci_27 (A6), Dalmatian_24 (A2), Danforth_19 (A8), Darrell_26 (A9), DarthPhader_25 (A12), DeerParkTS_25 (A2), DekHockey33_26 (A15), Deloris_25 (A2), DelvinSonDorr_26 (A6), Dignity_26 (A2), Discoknowium_20 (A5), Dixon_20 (A8), Dorothea_27 (A6), Drake55_26 (A2), DreamTeam1_24 (A9), DroogsArmy_24 (A7), Dublin_19 (A5), DudeLittle_24 (A2), Duplo_27 (A2), EZMoney23_28 (A2), EagleEye_26 (A16), Ebony_24 (A11), Echild_24 (A2), EdogawaKiddo_25 (A9), Eidsmoe_25 (A9), ElTiger69_21 (A5), Elephantoon_25 (A9), Elle_24 (A15), EmyBug_25 (A9), Epsocamisio_26 (A15), Equemioh13_26 (A2), EricB_27 (A6), Et2Brutus_23 (A11), EvilGenius_26 (A2), Expelliarmus_19 (A8), ExplosioNervosa_25 (A9), Fameo_24 (A2), FatCactus_22 (A20), Fayely_25 (A9), Fibonacci_24 (A11), FiringLine_24 (A2), Flare16_24 (A2), Flaverint_24 (A11), Florence1_20 (A5), Florence4_21 (A5), FlyCatcher_27 (A7), ForGetIt_20 (A5), ForesterFrank_26 (A2), Gail_23 (A14), Garak_28 (A6), GaugeLDP_26 (A2), George_19 (A5), Georgie2_25 (A2), Ghoulboy_20 (A5), Gilberta_24 (A11), Gladiator_27 (A6), Gratitude_26 (A2), GreedyLawyer_27 (A6), Groundhog_19 (A8), Gruunaga_27 (A6), HINdeR_23 (A7), Hanray_25 (A9), HarryHoudini_26 (A2), Heffalump_27 (A2), Helmet_27 (A6), Herbertwm_21 (A2), Hexamo_27 (A6), HippoHollow_25 (A2), Holex_25 (A9), Hoot_27 (A6), HortumSL17_25 (A9), HuhtaEnerson15_20 (A5), Hutc2_24 (A11), Imbriano_27 (A6), Insomnia_24 (A11), IronMan_26 (A2), Isiphiwo_27 (A6), Iwokeuplikedis_25 (A2), JSwag_26 (A15), Jaan_27 (A2), Jabiru_20 (A5), Jabith_24 (A11), Jeeves_23 (A14), Jerm_26 (A2), JewelBug_27 (A6), Jiawan_25 (A9), Jordennis_27 (A6), Joselito_24 (A11), JoshKayV_26 (A2), Journey13_22 (A2), Jovo_20 (A5), Jsquared_23 (A2), Kalpine_27 (A2), KatherineG_26 (A15), Kerberos_27 (A2), Keziacharles14_23 (A9), Kimba_24 (A11), KingCyrus_26 (A2), Kinmap_23 (A21), Kipper29_27 (A6), Klodlith_24 (A9), Koduck_25 (A2), Koko_27 (A6), L5_24 (A2), LadyBird_24 (A2), Landor_25 (A2), Larenn_25 (A2), LastResort_26 (A15), Leogania_26 (A2), Lev2_20 (A5), Leviathan_26 (A2), LilTurb_26 (A2), Lilbunny_27 (A6), Lilleskat_25 (A9), LionsBait_25 (A2), LittleCherry_20 (A5), Lokk_27 (A2), LoneWolf_25 (A9), Looper_27 (A15),

Loser_27 (A2), Luchador_25 (A14), Lucivia_24 (A11), Lucyedi_25 (A16), MaCh_24 (A11), Mabel_24 (A11), MajorMajor_23 (A2), Malec_25 (A2), Maminiaina_25 (A9), MarysWell_19 (A5), McFly_27 (A6), MegTheThird_23 (A9), Micasa_20 (A5), MiculUcigas_24 (A2), Miko_27 (A2), Milcery_20 (A5), MinecraftSteve_27 (A15), Minispark_22 (A9), MissWhite_24 (A2), Mulciber_24 (A11), Munch_24 (A11), MyraDee_21 (A18), Myxus_25 (A9), NaSiaTalie_24 (A2), Naji_27 (A2), NearlyHeadless_20 (A8), Nebulosus_26 (A15), Neeharika16_27 (A6), Newrala_28 (A6), NicoleTera_28 (A2), NothingSpecial_26 (A2), Odin_23 (A2), Onglai_24 (A9), Oofda_26 (A15), Orange_24 (A11), PP_33 (A7), PackMan_25 (A9), PainterBoy_25 (A16), Petersenfast_24 (A11), PetterN_21 (A5), Ph8s_25 (A2), Phaeder_25 (A9), Pharaoh_24 (A12), Phillis_20 (A8), Phlei_19 (A13), Phlorence_20 (A5), Phonnegut_25 (A9), PickleBack_20 (A5), Pioneer_25 (A9), Piro94_25 (A2), Polyphemus_27 (A6), Pomar16_27 (A2), Power_24 (A2), Priamo_27 (A6), Prinashe11_20 (A5), Priya_25 (A9), Prudy_27 (A2), Pukovnik_26 (A2), Qobbit_25 (A9), QueenB2_24 (A2), QueenBeesly_24 (A2), Quokka_22 (A2), Rachaly_27 (A2), Rahalelujah_23 (A9), Ravana_26 (A15), ReMo_26 (A15), RedRock_27 (A2), Refuge_27 (A12), Remus_26 (A15), Retro23_24 (A2), Rifter_27 (A6), Roary_20 (A8), Roksolana_27 (A6), Rosalind_26 (A15), RyeScarlet_25 (A9), Sachima_25 (A9), Saintus_20 (A8), Salz_24 (A11), Saskia_24 (A11), Scherzo_25 (A9), Scorpia_21 (A5), SemperFi_26 (A2), Serenity_23 (A2), Sham4_24 (A11), ShayRa_27 (A15), SheaKeira_24 (A9), Sheen_25 (A7), Sknot_24 (A2), Smeadley_20 (A8), Smeagan_26 (A2), SmellyB_27 (A6), SnapTap_24 (A2), Snape_24 (A11), SororFago_23 (A14), Soups_26 (A15), Spouty_25 (A9), StarStuff_27 (A2), Steamy_25 (A12), Stephig9_20 (A8), Strosahl_26 (A15), Sunhee_23 (A14), SuperCallie99_27 (A6), Superchunk_23 (A2), SweetiePie_24 (A2), SwirlSquare_25 (A2), Swirley_20 (A5), Switzerland_26 (A15), SydNat_20 (A5), TarsusIV_24 (A2), Tarynearal_20 (A5), Temprado_27 (A6), Terrific_26 (A2), Theia_18 (A5), Tiger_20 (A5), Timothy_24 (A11), Timshel_24 (A7), TinyTimmy_24 (A11), TipsytheTRex_23 (A2), Tomathan_27 (A2), Toro_26 (A7), Travvers_27 (A2), Tristan_25 (A2), Trixie_27 (A2), Trooper_24 (A2), Tubs_25 (A9), Tucker_27 (A6), Turbido_26 (A2), Twigg_20 (A5), Ugenie5_22 (A9), Updawg_26 (A2), VA6_24 (A2), VC3_27 (A2), VohminGhazi_27 (A6), Waits_26 (A15), Warrior24_26 (A15), WeiHuaDA_29 (A2), Whabigail7_26 (A2), WideWale_26 (A2), Wiks_27 (A6), Wolpertinger_23 (A11), WorldCup_22 (A9), WunderPhul_28 (A6), XianYue_24 (A2), Yokurt_27 (A6), Zaka_27 (A6), Zimmer_26 (A12), Zolita_19 (A5), Zulu_27 (A6),

Start 60:
• Found in 245 of 1070 (22.9%) of genes in pham
• Manual Annotations of this start: 202 of 1004
• Called 88.2% of time when present
• Phage (with cluster) where this start called: A6_20 (A1), AFIS_22 (A1), Abbyshoes_23 (A1), Abrogate_230 (A1), Acme_24 (A1), Adahisdi_23 (A1), Agaliana_22 (A1), Ajay_22 (A1), Aldrich_23 (A1), Alsfro_26 (A1), Altman_24 (A1), Anglerfish_23 (A1), Applejack_22 (A1), Arcanine_23 (A1), Arlo_21 (A1), Ashballer_21 (A1), Atkinbua_23 (A1), BK1_20 (A1), BPBiebs31_23 (A1), BaconJack_24 (A1), Barriga_22 (A1), BarrowTuph_21 (A1), Beatrix_21 (A1), BeesKnees_23 (A1), Bexan_21 (A1), Big3_22 (A1), BigMau_24 (A1), Bigchungi_22 (A1), Bigfoot_21 (A1), BillKnuckles_23 (A1), Bircsak_22 (A1), Blackflame_22 (A1), Blesser_22 (A1), BluSpix_22 (A1), Blue_22 (A1), Bob3_22 (A1), Bones_22 (A1), Briton15_24 (A1), Bruns_21 (A1), Burton_23 (A1), Buttons_23 (A1), Bxb1_21 (A1), CactusRose_21 (A1), Carlyle_24 (A1), CartmannCramer_22 (A1), CatBus_23 (A1), Chanagan_21 (A1), ChristmasHams_22 (A1), Ciao_22 (A1), ConceptII_23 (A1), Corvo_22 (A1), Crispicous1_21 (A1), Cueylyss_22 (A1), Dexes_23 (A1), DirtDevil_23 (A1), Doom_23

(A1), DreamCatcher_25 (A1), Dreamboat_23 (A1), Dulcie_21 (A1), Dussy_23 (A1), Dynamix_23 (A1), EnzoK_23 (A1), Espresso_22 (A1), Euphoria_22 (A1), Eyeball_22 (A1), Fajezeel_24 (A1), Fascinus_21 (A1), Fenn_23 (A1), Forsytheast_22 (A1), Francis47_22 (A1), Fushigi_23 (A1), GMonster_21 (A1), Gachnar_22 (A1), GageAP_24 (A1), Gandalf20_23 (A1), Gompeii16_22 (A1), Graduation_24 (A1), GrecoEtereo_23 (A1), Greg_24 (A1), GroundGoblin_23 (A1), Gwendoluna_24 (A1), Gyzlar_24 (A1), Hami1_24 (A1), HanShotFirst_22 (A1), Hermia_24 (A1), Homines_22 (A1), Hope4ever_22 (A1), ILeeKay_24 (A1), Ichabod_23 (A1), IgnatiusPatJac_21 (A1), Inyanga_21 (A1), Iqorha_21 (A1), JC27_25 (A1), JackSparrow_23 (A1), Jasper_23 (A1), Jerm2_23 (A1), Jorgensen_22 (A1), JuliaChild_24 (A1), KSSJEB_23 (A1), Kanely_23 (A1), Kenmech_25 (A1), KikiBouba_24 (A1), Killigrew_20 (A1), KyMonks1A_24 (A1), Kykar_20 (A1), Lamina13_22 (A1), Lesedi_22 (A1), Levia_23 (A1), LilBib_23 (A1), LunarLander_22 (A1), MPlant7149_22 (A1), Magnar_22 (A1), Makemake_22 (A1), Manatee_23 (A1), Marchy_21 (A1), Marco3_22 (A1), Marge_23 (A1), Maroc7_21 (A1), Marsha_22 (A1), MaryBeth_22 (A1), McGuire_23 (A1), McSinger_23 (A1), MetalQZJ_22 (A1), Michley_22 (A1), MilleFeuille_21 (A1), Mkhuseli_23 (A1), Molly_23 (A1), Monet_24 (A1), Moose_21 (A1), MrGordo_22 (A1), Mryolo_22 (A1), Mule_22 (A1), Museum_25 (A1), NEHalo_22 (A1), Naira_23 (A1), Nerujay_23 (A1), Nhonho_22 (A1), Niza_24 (A1), Norz_24 (A1), Noxious_24 (A1), Ohno789_22 (A1), Oogway_21 (A1), PSullivan_24 (A1), PacerPaul_22 (A1), Papez_24 (A1), Paphu_21 (A1), Paraselene_21 (A1), Pari_23 (A1), Parliament_21 (A1), PascalRango_21 (A1), Payneful_22 (A1), Pelly_23 (A1), Pepe_23 (A1), Perseus_23 (A1), Petp2012_24 (A1), Petruchio_22 (A1), PherrisBueller_23 (A1), PhineBark_21 (A1), Phlippers_21 (A1), PinkPlastic_21 (A1), Pinto_24 (A1), Pippin_24 (A1), Pita2_24 (A1), PowerRanger_22 (A1), ProMouse_23 (A1), Puppet_22 (A1), QTRlifeCrisis_22 (A1), Raid_22 (A1), Rajelicia_22 (A1), RidgeCB_22 (A1), Ringer_22 (A1), Rohr_23 (A1), Rubeus_23 (A1), Ruotula_22 (A1), Rutherferd_24 (A1), STLscum_23 (A1), Sandaddy_21 (A1), Sanya_22 (A1), SarFire_22 (A1), Scowl_24 (A1), Seabiscuit_24 (A1), Seanderson_23 (A1), ShortQueendom_22 (A1), Sibs6_24 (A1), Smairt_23 (A1), Smeagol_24 (A1), Snazzy_20 (A1), Solon_22 (A1), Sorpresa_22 (A1), SpikeBT_24 (A1), Squee_23 (A1), StewieG_21 (A1), StrongArm_21 (A1), Sumter_21 (A1), Sunshine924_21 (A1), SwissCheese_22 (A1), Switzer_24 (A1), Swole_24 (A1), Target_24 (A1), Tasp14_23 (A1), Teodoridan_20 (A1), TheloniousMonk_24 (A1), Thor_23 (A1), Topgun_22 (A1), Tote_24 (A1), Traft412_24 (A1), Tripl3t_23 (A1), TwoPeat_23 (A1), U2_22 (A1), Violet_21 (A1), Watermelon_24 (A1), Wheeler_22 (A1), Whitspit_23 (A1), Wilkins_22 (A1), Zeeculate_21 (A1), Zeuska_23 (A1),

Start 61:
• Found in 118 of 1070 (11.0%) of genes in pham
• Manual Annotations of this start: 110 of 1004
• Called 99.2% of time when present
• Phage (with cluster) where this start called: Aaronocolus_16 (BD1), Alsaber_17 (BD3), Alvy_18 (BD2), Amela_16 (BD3), Amethyst_16 (BD2), Andris_16 (BD2), Animus_17 (BD2), Asten_16 (BD1), Attoomi_13 (singleton), Axiom_17 (BD2), BarryBee_18 (BD1), BartholomewSD_18 (BD2), BeardedLady_17 (BD1), Bovely_16 (BD1), Bowden_17 (BD2), Brataylor_17 (BD1), BroPlease_18 (BD4), BryanRecycles_17 (BD1), Caelum_18 (BD2), Caliburn_16 (BD1), Celery_19 (BD3), Celeste_16 (BD1), Celia_16 (BD6), Chucky_16 (BD1), Conan_17 (BD3), Danzina_17 (BD1), Dattran_17 (BD1), Daudau_16 (BD2), Dexers_15 (BD3), Diane_16 (BD2), Dwayne_16 (BD1), ELB20_15 (BD2), Eddasa_17 (BD1), Ejemplo_16 (BD1), ElGato_17 (BD3), Emaanora_18 (BD1), EnochSoames_17 (BD1), Esperer_16 (BD1), GirlDinner_16 (BD2), Goby_16 (BD1), Godpower_17 (BD1), GreenWeasel_18 (BD4),

Haizum_16 (BD2), Hank144_17 (BD2), Hippo_16 (BD1), Hydra_18 (BD1), Indigo_16 (BD1), Issmi_17 (BD2), Itza_16 (BD6), Izzy_17 (BD1), Janus_17 (BD2), Jash_17 (BD1), Jevington_18 (BD2), Jhitchelle_15 (BD3), Kaine_16 (BD3), Katalie_17 (BD1), Lannister_17 (BD1), Legacy_16 (BD1), Leviticus_16 (BD1), Lika_16 (BD1), Loofah_17 (BD2), Lorelei_16 (BD1), Maneekul_16 (BD1), Marav_19 (BD2), Nabi_16 (BD1), Nanodon_18 (BD1), Nerdos_16 (BD1), Nishikigoi_16 (BD2), Oliynyk_17 (BD1), Omar_17 (BD2), Ozzie_16 (BD1), OzzyJ_17 (BD1), Pablito_16 (BD2), Paedore_16 (BD2), Paolo_18 (BD2), Pavo_17 (BD3), Phettuccine_16 (BD1), Provolone_17 (BD3), Puginator_18 (BD2), R4_16 (BD2), Rana_16 (BD1), RedBear_18 (BD1), Rusticus_17 (BD1), Saftant_16 (BD3), SarahRose_16 (BD1), Snorlax_16 (BD1), South40_17 (BD1), Speedwell_21 (BD3), SqueakyClean_17 (BD2), Sudan_16 (BD3), Sujidade_17 (BD1), SunkenRoot_16 (BD3), SunsetPointe_16 (BD1), Superstar_19 (BD2), TagePhighter_17 (BD1), Tailonex_20 (singleton), Tefunt_16 (BD2), Thestral_17 (BD2), TinaBelcher_16 (BD2), Toma_16 (BD1), Triste_16 (BD1), Triumph_18 (BD2), TuanPN_16 (BD1), Unstoppable_16 (BD1), Urza_16 (BD6), Vanseggelen_20 (BD3), Verabelle_17 (BD3), Verse_16 (BD3), VieEnRose_16 (BD6), Werner_16 (BD1), Whatever_16 (BD1), Yasdnil_16 (BD1), Yosif_17 (BD3), Zainub_18 (BD2), ZamZam_16 (BD3), Zemlya_17 (BD1), phiCAM_17 (BD3),

Summary by clusters:

There are 29 clusters represented in this pham: singleton, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, A8, A7, CA, BD2, A5, A20, A21, A22, BD6,

Info for manual annotations of cluster A1:
•Start number 14 was manually annotated 1 time for cluster A1.
•Start number 27 was manually annotated 1 time for cluster A1.
•Start number 32 was manually annotated 1 time for cluster A1.
•Start number 36 was manually annotated 2 times for cluster A1.
•Start number 38 was manually annotated 24 times for cluster A1.
•Start number 60 was manually annotated 202 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 57 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 59 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 59 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 59 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 57 was manually annotated 1 time for cluster A15.
•Start number 59 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 59 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 59 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 57 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 26 was manually annotated 1 time for cluster A2.
•Start number 59 was manually annotated 115 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 59 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 59 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 59 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 23 was manually annotated 2 times for cluster A3.
•Start number 48 was manually annotated 32 times for cluster A3.
•Start number 57 was manually annotated 91 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 57 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 39 was manually annotated 3 times for cluster A5.
•Start number 48 was manually annotated 1 time for cluster A5.
•Start number 59 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 48 was manually annotated 8 times for cluster A6.
•Start number 59 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 59 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 59 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 58 was manually annotated 4 times for cluster A9.
•Start number 59 was manually annotated 42 times for cluster A9.

Info for manual annotations of cluster BD1:
•Start number 61 was manually annotated 55 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 20 was manually annotated 1 time for cluster BD2.

•Start number 61 was manually annotated 32 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 61 was manually annotated 16 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 61 was manually annotated 2 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 61 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CA:
•Start number 57 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: 20ES_24 Start: 15823, Stop: 16230, Start Num: 59
Candidate Starts for 20ES_24:
(Start: 39 @15733 has 3 MA's), (Start: 48 @15760 has 41 MA's), (Start: 59 @15823 has 322 MA's), (63, 15850), (72, 15907), (95, 16036), (106, 16078), (114, 16114), (116, 16123), (127, 16171), (130, 16186),

Gene: 40AC_27 Start: 17840, Stop: 18241, Start Num: 59
Candidate Starts for 40AC_27:
(Start: 59 @17840 has 322 MA's), (83, 17978), (127, 18182), (132, 18203),

Gene: A6_20 Start: 15119, Stop: 15496, Start Num: 60
Candidate Starts for A6_20:
(Start: 38 @15020 has 24 MA's), (Start: 60 @15119 has 202 MA's), (69, 15188), (74, 15212), (77, 15227), (78, 15230), (117, 15398),

Gene: ACFishhook_25 Start: 15342, Stop: 15740, Start Num: 57
Candidate Starts for ACFishhook_25:
(Start: 57 @15342 has 289 MA's), (71, 15414), (75, 15435), (77, 15447), (99, 15567), (102, 15576), (106, 15597), (116, 15639), (121, 15663), (123, 15669), (130, 15696),

Gene: AFIS_22 Start: 15457, Stop: 15828, Start Num: 60
Candidate Starts for AFIS_22:
(Start: 38 @15358 has 24 MA's), (Start: 60 @15457 has 202 MA's), (69, 15526), (78, 15568), (84, 15601), (126, 15766), (127, 15769), (128, 15772),

Gene: AN3_24 Start: 15807, Stop: 16214, Start Num: 59
Candidate Starts for AN3_24:
(Start: 39 @15717 has 3 MA's), (Start: 59 @15807 has 322 MA's), (63, 15834), (68, 15870), (95, 16020), (106, 16062), (113, 16095), (127, 16155), (130, 16170),

Gene: AN9_27 Start: 15838, Stop: 16242, Start Num: 59
Candidate Starts for AN9_27:
(Start: 59 @15838 has 322 MA's), (72, 15922), (83, 15976), (95, 16048), (130, 16198), (131, 16201),

Gene: ANI8_27 Start: 15838, Stop: 16242, Start Num: 59

Candidate Starts for ANI8_27:
(Start: 59 @15838 has 322 MA's), (72, 15922), (83, 15976), (95, 16048), (130, 16198), (131, 16201),

Gene: Aaronocolus_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Aaronocolus_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: AbbyPaige_26 Start: 16298, Stop: 16705, Start Num: 59
Candidate Starts for AbbyPaige_26:
(Start: 59 @16298 has 322 MA's), (63, 16325), (68, 16361), (72, 16382), (95, 16511), (106, 16553), (113, 16586), (127, 16646), (130, 16661),

Gene: AbbysRanger_23 Start: 15112, Stop: 15483, Start Num: 57
Candidate Starts for AbbysRanger_23:
(43, 15025), (Start: 57 @15112 has 289 MA's), (69, 15178), (75, 15205), (80, 15226), (83, 15250), (102, 15325), (125, 15418), (127, 15424),

Gene: Abbyshoes_23 Start: 15843, Stop: 16229, Start Num: 60
Candidate Starts for Abbyshoes_23:
(Start: 38 @15744 has 24 MA's), (Start: 60 @15843 has 202 MA's), (77, 15951), (88, 16002), (91, 16014), (94, 16047), (106, 16092), (115, 16125), (127, 16170), (130, 16185), (134, 16200),

Gene: Abdiel_88 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Abdiel_88:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Abrogate_230 Start: 16207, Stop: 16584, Start Num: 60
Candidate Starts for Abrogate_230:
(Start: 60 @16207 has 202 MA's), (78, 16318), (83, 16348), (105, 16438),

Gene: Achebe_86 Start: 15092, Stop: 15463, Start Num: 57
Candidate Starts for Achebe_86:
(Start: 57 @15092 has 289 MA's), (69, 15158), (75, 15185), (77, 15197), (80, 15206), (83, 15230), (102, 15305), (125, 15398), (127, 15404),

Gene: Acme_24 Start: 15878, Stop: 16255, Start Num: 60
Candidate Starts for Acme_24:
(Start: 60 @15878 has 202 MA's), (69, 15947), (74, 15971), (77, 15986), (78, 15989), (117, 16157),

Gene: Acolyte_24 Start: 15948, Stop: 16343, Start Num: 59
Candidate Starts for Acolyte_24:
(Start: 59 @15948 has 322 MA's), (74, 16038), (84, 16089), (86, 16095), (127, 16284),

Gene: Adahisdi_23 Start: 15776, Stop: 16153, Start Num: 60
Candidate Starts for Adahisdi_23:
(Start: 60 @15776 has 202 MA's), (81, 15905), (83, 15917), (105, 16007), (134, 16124),

Gene: Adzzy_25 Start: 14539, Stop: 14943, Start Num: 59
Candidate Starts for Adzzy_25:
(Start: 59 @14539 has 322 MA's), (72, 14623), (76, 14635), (83, 14677), (95, 14749), (127, 14884),

Gene: Aeneas_24 Start: 15784, Stop: 16260, Start Num: 38
Candidate Starts for Aeneas_24:

(Start: 38 @15784 has 24 MA's), (Start: 60 @15883 has 202 MA's), (81, 16012), (83, 16024), (105, 16114), (134, 16231),

Gene: Agaliana_22 Start: 15827, Stop: 16204, Start Num: 60
Candidate Starts for Agaliana_22:
(Start: 60 @15827 has 202 MA's), (78, 15938), (102, 16046), (105, 16058), (121, 16127),

Gene: Agape74_26 Start: 16274, Stop: 16681, Start Num: 59
Candidate Starts for Agape74_26:
(Start: 59 @16274 has 322 MA's), (63, 16301), (68, 16337), (72, 16358), (95, 16487), (106, 16529), (113, 16562), (127, 16622), (130, 16637),

Gene: AgentM_20 Start: 14521, Stop: 14901, Start Num: 59
Candidate Starts for AgentM_20:
(Start: 59 @14521 has 322 MA's), (67, 14578), (69, 14584), (80, 14632), (83, 14656), (89, 14677), (92, 14686), (94, 14713), (101, 14734), (105, 14749), (110, 14770), (111, 14782), (130, 14854), (135, 14881),

Gene: Aglet_25 Start: 15121, Stop: 15582, Start Num: 48
Candidate Starts for Aglet_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: AgronaGT15_25 Start: 15091, Stop: 15489, Start Num: 57
Candidate Starts for AgronaGT15_25:
(Start: 48 @15028 has 41 MA's), (Start: 57 @15091 has 289 MA's), (75, 15184), (77, 15196), (83, 15229), (87, 15241), (99, 15316), (102, 15325), (106, 15346), (116, 15388), (123, 15418), (130, 15445),

Gene: Airmid_20 Start: 14287, Stop: 14667, Start Num: 59
Candidate Starts for Airmid_20:
(Start: 26 @14185 has 1 MA's), (Start: 48 @14224 has 41 MA's), (Start: 59 @14287 has 322 MA's), (83, 14422), (89, 14443), (94, 14479), (105, 14515), (123, 14593), (130, 14620), (134, 14635),

Gene: Ajay_22 Start: 15593, Stop: 15970, Start Num: 60
Candidate Starts for Ajay_22:
(Start: 36 @15491 has 2 MA's), (Start: 60 @15593 has 202 MA's), (69, 15662), (74, 15686), (77, 15701), (78, 15704), (117, 15872),

Gene: Alatin_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Alatin_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Albee_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Albee_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (124, 15401), (125, 15404), (127, 15410),

Gene: Alberto7_24 Start: 15400, Stop: 15771, Start Num: 57
Candidate Starts for Alberto7_24:
(Start: 57 @15400 has 289 MA's), (69, 15466), (75, 15493), (102, 15613), (125, 15706), (127, 15712),

Gene: Aldrich_23 Start: 16384, Stop: 16761, Start Num: 60
Candidate Starts for Aldrich_23:
(Start: 38 @16285 has 24 MA's), (Start: 60 @16384 has 202 MA's), (69, 16453), (74, 16477), (77, 16492), (78, 16495), (117, 16663),

Gene: Aliter_25 Start: 16542, Stop: 16937, Start Num: 59
Candidate Starts for Aliter_25:
(Start: 59 @16542 has 322 MA's), (71, 16614), (80, 16653), (96, 16755), (99, 16764), (121, 16860), (127, 16878), (130, 16893),

Gene: Alma_25 Start: 16621, Stop: 17016, Start Num: 59
Candidate Starts for Alma_25:
(Start: 59 @16621 has 322 MA's), (71, 16693), (80, 16732), (96, 16834), (99, 16843), (121, 16939), (127, 16957), (130, 16972),

Gene: Alpacados_18 Start: 11285, Stop: 11635, Start Num: 57
Candidate Starts for Alpacados_18:
(Start: 57 @11285 has 289 MA's), (84, 11423), (86, 11429), (100, 11480), (110, 11519), (125, 11585), (127, 11591), (134, 11621),

Gene: Alsaber_17 Start: 10852, Stop: 11175, Start Num: 61
Candidate Starts for Alsaber_17:
(Start: 61 @10852 has 110 MA's), (103, 11035), (123, 11119),

Gene: Alsfro_26 Start: 16319, Stop: 16696, Start Num: 60
Candidate Starts for Alsfro_26:
(Start: 60 @16319 has 202 MA's), (78, 16430), (102, 16538), (105, 16550), (121, 16619),

Gene: Altman_24 Start: 16372, Stop: 16749, Start Num: 60
Candidate Starts for Altman_24:
(Start: 38 @16273 has 24 MA's), (Start: 60 @16372 has 202 MA's), (81, 16501), (83, 16513), (105, 16603), (134, 16720),

Gene: Alvin_23 Start: 15994, Stop: 16470, Start Num: 38
Candidate Starts for Alvin_23:
(Start: 38 @15994 has 24 MA's), (Start: 60 @16093 has 202 MA's), (69, 16162), (74, 16186), (77, 16201), (78, 16204), (81, 16222), (117, 16372), (134, 16441),

Gene: Alvy_18 Start: 10955, Stop: 11302, Start Num: 61
Candidate Starts for Alvy_18:
(55, 10937), (Start: 61 @10955 has 110 MA's), (89, 11111), (110, 11171),

Gene: Amela_16 Start: 11141, Stop: 11464, Start Num: 61
Candidate Starts for Amela_16:
(Start: 61 @11141 has 110 MA's), (103, 11324), (123, 11408),

Gene: Amethyst_16 Start: 10807, Stop: 11148, Start Num: 61
Candidate Starts for Amethyst_16:
(19, 10669), (Start: 61 @10807 has 110 MA's), (103, 10993), (110, 11017), (134, 11119),

Gene: Anaysia_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for Anaysia_26:

(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Andris_16 Start: 10783, Stop: 11124, Start Num: 61
Candidate Starts for Andris_16:
(55, 10765), (Start: 61 @10783 has 110 MA's), (89, 10939), (119, 11035), (123, 11053), (134, 11095),

Gene: Aneem_24 Start: 16362, Stop: 16757, Start Num: 59
Candidate Starts for Aneem_24:
(Start: 59 @16362 has 322 MA's), (71, 16434), (74, 16452), (86, 16509), (102, 16587), (121, 16680),

Gene: Anglerfish_23 Start: 16743, Stop: 17120, Start Num: 60
Candidate Starts for Anglerfish_23:
(54, 16710), (Start: 60 @16743 has 202 MA's), (69, 16812), (74, 16836), (77, 16851), (78, 16854), (81, 16872), (117, 17022), (134, 17091),

Gene: AngryOrchard_18 Start: 11268, Stop: 11618, Start Num: 57
Candidate Starts for AngryOrchard_18:
(Start: 57 @11268 has 289 MA's), (84, 11406), (86, 11412), (100, 11463), (110, 11502), (125, 11568), (127, 11574), (134, 11604),

Gene: Animus_17 Start: 11107, Stop: 11448, Start Num: 61
Candidate Starts for Animus_17:
(55, 11089), (Start: 61 @11107 has 110 MA's), (89, 11263), (134, 11419),

Gene: AnnaL29_27 Start: 17660, Stop: 18064, Start Num: 59
Candidate Starts for AnnaL29_27:
(Start: 26 @17555 has 1 MA's), (Start: 48 @17597 has 41 MA's), (Start: 59 @17660 has 322 MA's), (72, 17744), (74, 17750), (83, 17798), (89, 17819), (106, 17912), (127, 18005), (130, 18020),

Gene: Annyong_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Annyong_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: Anon_24 Start: 15249, Stop: 15626, Start Num: 59
Candidate Starts for Anon_24:
(Start: 59 @15249 has 322 MA's), (68, 15312), (125, 15561), (127, 15567), (130, 15582), (134, 15597),

Gene: Anselm_24 Start: 15900, Stop: 16307, Start Num: 59
Candidate Starts for Anselm_24:
(Start: 59 @15900 has 322 MA's), (72, 15984), (95, 16113), (106, 16155), (113, 16188), (127, 16248), (130, 16263),

Gene: Anthony_23 Start: 13935, Stop: 14330, Start Num: 59
Candidate Starts for Anthony_23:
(Start: 59 @13935 has 322 MA's), (83, 14073), (105, 14172), (127, 14271), (135, 14313),

Gene: Anubis_27 Start: 15006, Stop: 15467, Start Num: 48
Candidate Starts for Anubis_27:
(Start: 48 @15006 has 41 MA's), (Start: 57 @15069 has 289 MA's), (75, 15162), (77, 15174), (83, 15207), (87, 15219), (99, 15294), (102, 15303), (106, 15324), (116, 15366), (123, 15396), (130, 15423),

Gene: AppleCloud_17 Start: 11002, Stop: 11352, Start Num: 57
Candidate Starts for AppleCloud_17:
(Start: 57 @11002 has 289 MA's), (100, 11197), (125, 11302), (127, 11308), (134, 11338),

Gene: Applejack_22 Start: 15524, Stop: 15901, Start Num: 60
Candidate Starts for Applejack_22:
(Start: 60 @15524 has 202 MA's), (78, 15635), (102, 15743), (105, 15755), (121, 15824),

Gene: Aragog_20 Start: 14551, Stop: 14931, Start Num: 59
Candidate Starts for Aragog_20:
(Start: 59 @14551 has 322 MA's), (67, 14608), (69, 14614), (80, 14662), (83, 14686), (89, 14707), (92, 14716), (94, 14743), (101, 14764), (105, 14779), (110, 14800), (111, 14812), (130, 14884), (135, 14911),

Gene: Arcanine_23 Start: 15759, Stop: 16136, Start Num: 60
Candidate Starts for Arcanine_23:
(Start: 60 @15759 has 202 MA's), (69, 15828), (74, 15852), (77, 15867), (78, 15870), (117, 16038),

Gene: ArcherNM_26 Start: 17602, Stop: 18006, Start Num: 59
Candidate Starts for ArcherNM_26:
(49, 17548), (Start: 59 @17602 has 322 MA's), (72, 17686), (83, 17740), (89, 17761), (94, 17809), (106, 17854), (127, 17947), (130, 17962),

Gene: Archetta_20 Start: 14264, Stop: 14644, Start Num: 59
Candidate Starts for Archetta_20:
(Start: 59 @14264 has 322 MA's), (67, 14321), (69, 14327), (80, 14375), (83, 14399), (89, 14420), (92, 14429), (94, 14456), (101, 14477), (105, 14492), (110, 14513), (111, 14525), (130, 14597), (135, 14624),

Gene: Arissanae_23 Start: 14704, Stop: 15099, Start Num: 58
Candidate Starts for Arissanae_23:
(31, 14614), (Start: 58 @14704 has 4 MA's), (71, 14776), (83, 14839), (96, 14917), (99, 14926), (121, 15022), (127, 15040), (130, 15055),

Gene: Arlo_21 Start: 15153, Stop: 15530, Start Num: 60
Candidate Starts for Arlo_21:
(Start: 38 @15054 has 24 MA's), (Start: 60 @15153 has 202 MA's), (81, 15282), (83, 15294), (105, 15384), (134, 15501),

Gene: Artemis2UCLA_27 Start: 15807, Stop: 16211, Start Num: 59
Candidate Starts for Artemis2UCLA_27:
(Start: 48 @15744 has 41 MA's), (Start: 59 @15807 has 322 MA's), (83, 15945), (89, 15966), (94, 16014), (104, 16047), (106, 16059), (127, 16152),

Gene: Arturo_23 Start: 15209, Stop: 15580, Start Num: 57
Candidate Starts for Arturo_23:
(Start: 57 @15209 has 289 MA's), (69, 15275), (75, 15302), (102, 15422), (125, 15515), (127, 15521),

Gene: Ashballer_21 Start: 15536, Stop: 15913, Start Num: 60
Candidate Starts for Ashballer_21:
(Start: 38 @15437 has 24 MA's), (Start: 60 @15536 has 202 MA's), (69, 15605), (74, 15629), (77, 15644), (78, 15647), (81, 15665), (117, 15815), (134, 15884),

Gene: Asten_16 Start: 10920, Stop: 11243, Start Num: 61
Candidate Starts for Asten_16:
(Start: 61 @10920 has 110 MA's), (119, 11169), (134, 11229),

Gene: Astro_20 Start: 13754, Stop: 14119, Start Num: 59
Candidate Starts for Astro_20:
(Start: 59 @13754 has 322 MA's), (67, 13814), (71, 13826), (88, 13910), (89, 13913), (94, 13949), (102, 13973), (125, 14069),

Gene: Atkinbua_23 Start: 15491, Stop: 15868, Start Num: 60
Candidate Starts for Atkinbua_23:
(Start: 60 @15491 has 202 MA's), (69, 15560), (74, 15584), (77, 15599), (78, 15602), (117, 15770),

Gene: Attoomi_13 Start: 8688, Stop: 9035, Start Num: 61
Candidate Starts for Attoomi_13:
(Start: 61 @8688 has 110 MA's), (64, 8715), (79, 8796), (85, 8829), (110, 8907), (117, 8937), (118, 8943), (123, 8964), (127, 8976),

Gene: AugsMagnumOpus_27 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for AugsMagnumOpus_27:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: AvatarAhPeg_24 Start: 15377, Stop: 15748, Start Num: 57
Candidate Starts for AvatarAhPeg_24:
(41, 15287), (43, 15290), (Start: 57 @15377 has 289 MA's), (69, 15443), (75, 15470), (80, 15491), (83, 15515), (102, 15590), (125, 15683), (127, 15689),

Gene: Avle17_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Avle17_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Axiom_17 Start: 10821, Stop: 11162, Start Num: 61
Candidate Starts for Axiom_17:
(55, 10803), (Start: 61 @10821 has 110 MA's), (89, 10977), (123, 11091), (134, 11133),

Gene: Ayanochan_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Ayanochan_25:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: B1_21 Start: 14311, Stop: 14760, Start Num: 48
Candidate Starts for B1_21:
(Start: 48 @14311 has 41 MA's), (Start: 57 @14377 has 289 MA's), (89, 14536), (91, 14545), (94, 14572), (106, 14617), (123, 14689), (130, 14716),

Gene: BABullseye_27 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for BABullseye_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: BK1_20 Start: 15119, Stop: 15496, Start Num: 60
Candidate Starts for BK1_20:
(Start: 38 @15020 has 24 MA's), (Start: 60 @15119 has 202 MA's), (69, 15188), (74, 15212), (77, 15227), (78, 15230), (117, 15398),

Gene: BPBiebs31_23 Start: 15800, Stop: 16177, Start Num: 60
Candidate Starts for BPBiebs31_23:
(Start: 60 @15800 has 202 MA's), (69, 15869), (74, 15893), (77, 15908), (78, 15911), (81, 15929), (117, 16079),

Gene: Baby16_23 Start: 15107, Stop: 15478, Start Num: 57
Candidate Starts for Baby16_23:
(Start: 57 @15107 has 289 MA's), (69, 15173), (75, 15200), (102, 15320), (125, 15413), (127, 15419),

Gene: BabyBack_26 Start: 17417, Stop: 17821, Start Num: 59
Candidate Starts for BabyBack_26:
(41, 17330), (Start: 59 @17417 has 322 MA's), (63, 17444), (68, 17480), (72, 17501), (77, 17522), (83, 17555), (94, 17624), (95, 17627), (106, 17669), (127, 17762), (130, 17777),

Gene: BabyJohn_22 Start: 14967, Stop: 15350, Start Num: 57
Candidate Starts for BabyJohn_22:
(Start: 48 @14901 has 41 MA's), (Start: 57 @14967 has 289 MA's), (75, 15060), (89, 15126), (91, 15135), (94, 15162), (106, 15207), (127, 15291), (130, 15306),

Gene: BabyRay_23 Start: 14943, Stop: 15326, Start Num: 57
Candidate Starts for BabyRay_23:
(Start: 23 @14829 has 2 MA's), (31, 14841), (Start: 48 @14877 has 41 MA's), (Start: 57 @14943 has 289 MA's), (75, 15036), (89, 15102), (91, 15111), (94, 15138), (106, 15183), (123, 15255), (127, 15267), (130, 15282),

Gene: Bachome_24 Start: 16353, Stop: 16748, Start Num: 59
Candidate Starts for Bachome_24:
(Start: 59 @16353 has 322 MA's), (71, 16425), (74, 16443), (86, 16500), (102, 16578), (109, 16608), (121, 16671),

Gene: Backyardigan_23 Start: 15104, Stop: 15475, Start Num: 57
Candidate Starts for Backyardigan_23:
(Start: 57 @15104 has 289 MA's), (69, 15170), (75, 15197), (77, 15209), (80, 15218), (83, 15242), (102, 15317), (125, 15410), (127, 15416),

Gene: BaconJack_24 Start: 15874, Stop: 16251, Start Num: 60
Candidate Starts for BaconJack_24:
(Start: 38 @15775 has 24 MA's), (Start: 60 @15874 has 202 MA's), (69, 15943), (74, 15967), (77, 15982), (78, 15985), (81, 16003), (117, 16153),

Gene: Bactobuster_25 Start: 17547, Stop: 17945, Start Num: 59
Candidate Starts for Bactobuster_25:
(3, 17280), (9, 17331), (Start: 26 @17445 has 1 MA's), (Start: 59 @17547 has 322 MA's), (77, 17652), (127, 17886), (128, 17889),

Gene: Badger_23 Start: 15093, Stop: 15464, Start Num: 57
Candidate Starts for Badger_23:

(Start: 57 @15093 has 289 MA's), (69, 15159), (75, 15186), (77, 15198), (80, 15207), (83, 15231), (102, 15306), (125, 15399), (127, 15405),

Gene: Baehexic_25 Start: 16315, Stop: 16719, Start Num: 59
Candidate Starts for Baehexic_25:
(54, 16288), (Start: 59 @16315 has 322 MA's), (63, 16342), (72, 16399), (105, 16558), (106, 16567), (127, 16660), (130, 16675),

Gene: BangNhom_23 Start: 15409, Stop: 15780, Start Num: 57
Candidate Starts for BangNhom_23:
(Start: 57 @15409 has 289 MA's), (69, 15475), (75, 15502), (102, 15622), (125, 15715), (127, 15721),

Gene: Barriga_22 Start: 15388, Stop: 15765, Start Num: 60
Candidate Starts for Barriga_22:
(Start: 32 @15280 has 1 MA's), (Start: 36 @15286 has 2 MA's), (Start: 60 @15388 has 202 MA's), (69, 15457), (74, 15481), (77, 15496), (78, 15499), (117, 15667),

Gene: BarrowTuph_21 Start: 15433, Stop: 15810, Start Num: 60
Candidate Starts for BarrowTuph_21:
(31, 15325), (35, 15331), (45, 15346), (Start: 60 @15433 has 202 MA's), (69, 15502), (74, 15526), (77, 15541), (78, 15544), (117, 15712),

Gene: BarryBee_18 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for BarryBee_18:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: BartholomewSD_18 Start: 10955, Stop: 11302, Start Num: 61
Candidate Starts for BartholomewSD_18:
(55, 10937), (Start: 61 @10955 has 110 MA's), (89, 11111), (110, 11171),

Gene: Bartimeaus_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Bartimeaus_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Battleship_27 Start: 15063, Stop: 15446, Start Num: 59
Candidate Starts for Battleship_27:
(54, 15033), (Start: 59 @15063 has 322 MA's), (74, 15153), (120, 15363), (125, 15381), (127, 15387), (134, 15417),

Gene: BeardedLady_17 Start: 11197, Stop: 11520, Start Num: 61
Candidate Starts for BeardedLady_17:
(Start: 61 @11197 has 110 MA's), (119, 11446), (134, 11506),

Gene: Beatrix_21 Start: 16312, Stop: 16683, Start Num: 60
Candidate Starts for Beatrix_21:
(Start: 14 @16138 has 1 MA's), (Start: 38 @16213 has 24 MA's), (Start: 60 @16312 has 202 MA's), (69, 16381), (78, 16423), (84, 16456), (121, 16606), (126, 16621), (127, 16624), (128, 16627),

Gene: Beauxregard13_25 Start: 15120, Stop: 15581, Start Num: 48
Candidate Starts for Beauxregard13_25:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Beemo_25 Start: 16648, Stop: 17043, Start Num: 59
Candidate Starts for Beemo_25:
(Start: 59 @16648 has 322 MA's), (71, 16720), (80, 16759), (96, 16861), (99, 16870), (121, 16966), (127, 16984), (130, 16999),

Gene: BeesKnees_23 Start: 15580, Stop: 15957, Start Num: 60
Candidate Starts for BeesKnees_23:
(54, 15547), (Start: 60 @15580 has 202 MA's), (83, 15721),

Gene: Belenaria_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Belenaria_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Bellris_23 Start: 14692, Stop: 15087, Start Num: 59
Candidate Starts for Bellris_23:
(Start: 59 @14692 has 322 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: BellusTerra_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for BellusTerra_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Benedict_20 Start: 14290, Stop: 14670, Start Num: 59
Candidate Starts for Benedict_20:
(Start: 26 @14188 has 1 MA's), (Start: 48 @14227 has 41 MA's), (Start: 59 @14290 has 322 MA's), (83, 14425), (89, 14446), (94, 14482), (105, 14518), (123, 14596), (130, 14623), (134, 14638),

Gene: BengiVuitton_25 Start: 16220, Stop: 16627, Start Num: 59
Candidate Starts for BengiVuitton_25:
(4, 15968), (10, 16004), (Start: 48 @16157 has 41 MA's), (Start: 59 @16220 has 322 MA's), (63, 16247), (67, 16280), (72, 16304), (95, 16433), (106, 16475), (113, 16508), (127, 16568), (130, 16583),

Gene: BennyP_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for BennyP_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: Benvolio_24 Start: 15899, Stop: 16306, Start Num: 59
Candidate Starts for Benvolio_24:
(Start: 59 @15899 has 322 MA's), (67, 15959), (72, 15983), (95, 16112), (106, 16154), (127, 16247), (130, 16262),

Gene: Bethlehem_22 Start: 16707, Stop: 17192, Start Num: 32
Candidate Starts for Bethlehem_22:
(Start: 32 @16707 has 1 MA's), (Start: 36 @16713 has 2 MA's), (Start: 60 @16815 has 202 MA's), (69, 16884), (74, 16908), (77, 16923), (78, 16926), (81, 16944), (117, 17094), (134, 17163),

Gene: Bexan_21 Start: 16537, Stop: 16914, Start Num: 60
Candidate Starts for Bexan_21:
(Start: 38 @16438 has 24 MA's), (Start: 60 @16537 has 202 MA's), (69, 16606), (74, 16630), (77, 16645), (78, 16648), (81, 16666), (117, 16816), (134, 16885),

Gene: BiancaTri92_26 Start: 17586, Stop: 17993, Start Num: 59
Candidate Starts for BiancaTri92_26:
(Start: 59 @17586 has 322 MA's), (68, 17649), (72, 17670), (83, 17724), (95, 17799), (106, 17841), (109, 17850), (113, 17874), (127, 17934), (130, 17949),

Gene: Big3_22 Start: 16168, Stop: 16545, Start Num: 60
Candidate Starts for Big3_22:
(Start: 60 @16168 has 202 MA's), (69, 16237), (74, 16261), (77, 16276), (78, 16279), (117, 16447),

Gene: BigMau_24 Start: 15760, Stop: 16137, Start Num: 60
Candidate Starts for BigMau_24:
(Start: 38 @15661 has 24 MA's), (Start: 60 @15760 has 202 MA's), (81, 15889), (83, 15901), (134, 16108),

Gene: BigPaolini_23 Start: 16086, Stop: 16565, Start Num: 38
Candidate Starts for BigPaolini_23:
(Start: 38 @16086 has 24 MA's), (Start: 60 @16188 has 202 MA's), (69, 16257), (74, 16281), (77, 16296), (78, 16299), (81, 16317), (117, 16467),

Gene: Bigchungi_22 Start: 15561, Stop: 15938, Start Num: 60
Candidate Starts for Bigchungi_22:
(Start: 60 @15561 has 202 MA's), (69, 15630), (74, 15654), (77, 15669), (78, 15672), (81, 15690), (117, 15840),

Gene: Bigflo_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for Bigflo_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: Bigfoot_21 Start: 15289, Stop: 15666, Start Num: 60
Candidate Starts for Bigfoot_21:
(Start: 60 @15289 has 202 MA's), (78, 15400), (83, 15430), (105, 15520),

Gene: BillKnuckles_23 Start: 16253, Stop: 16630, Start Num: 60
Candidate Starts for BillKnuckles_23:
(Start: 38 @16154 has 24 MA's), (Start: 60 @16253 has 202 MA's), (69, 16322), (74, 16346), (77, 16361), (78, 16364), (81, 16382), (117, 16532), (134, 16601),

Gene: Bircsak_22 Start: 16038, Stop: 16415, Start Num: 60
Candidate Starts for Bircsak_22:
(Start: 60 @16038 has 202 MA's), (78, 16149), (102, 16257), (105, 16269), (121, 16338),

Gene: Blackflame_22 Start: 15570, Stop: 15947, Start Num: 60
Candidate Starts for Blackflame_22:
(Start: 60 @15570 has 202 MA's), (69, 15639), (74, 15663), (77, 15678), (78, 15681), (81, 15699), (117, 15849),

Gene: Blackmoor_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Blackmoor_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: BlessJoy_27 Start: 15905, Stop: 16309, Start Num: 59

Candidate Starts for BlessJoy_27:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: Blesser_22 Start: 15848, Stop: 16225, Start Num: 60
Candidate Starts for Blesser_22:
(Start: 60 @15848 has 202 MA's), (78, 15959), (83, 15989), (105, 16079),

Gene: Blinn1_27 Start: 15964, Stop: 16368, Start Num: 59
Candidate Starts for Blinn1_27:
(Start: 26 @15859 has 1 MA's), (Start: 39 @15874 has 3 MA's), (Start: 48 @15901 has 41 MA's), (Start: 59 @15964 has 322 MA's), (83, 16102), (89, 16123), (104, 16204), (106, 16216), (127, 16309), (130, 16324), (135, 16351),

Gene: BluSpix_22 Start: 15549, Stop: 15926, Start Num: 60
Candidate Starts for BluSpix_22:
(Start: 60 @15549 has 202 MA's), (69, 15618), (74, 15642), (77, 15657), (78, 15660), (81, 15678), (117, 15828), (130, 15882),

Gene: Blue_22 Start: 15654, Stop: 16040, Start Num: 60
Candidate Starts for Blue_22:
(Start: 38 @15552 has 24 MA's), (Start: 60 @15654 has 202 MA's), (77, 15762), (88, 15813), (91, 15825), (94, 15858), (106, 15903), (127, 15981), (130, 15996), (134, 16011),

Gene: Blue7_27 Start: 15897, Stop: 16301, Start Num: 59
Candidate Starts for Blue7_27:
(Start: 48 @15834 has 41 MA's), (Start: 59 @15897 has 322 MA's), (83, 16035), (89, 16056), (94, 16104), (104, 16137), (106, 16149), (127, 16242),

Gene: BlueBird_24 Start: 14698, Stop: 15081, Start Num: 57
Candidate Starts for BlueBird_24:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: Bluefalcon_19 Start: 14521, Stop: 14901, Start Num: 59
Candidate Starts for Bluefalcon_19:
(Start: 59 @14521 has 322 MA's), (67, 14578), (69, 14584), (80, 14632), (83, 14656), (89, 14677), (92, 14686), (94, 14713), (101, 14734), (105, 14749), (110, 14770), (111, 14782), (130, 14854), (135, 14881),

Gene: Bob3_22 Start: 15100, Stop: 15477, Start Num: 60
Candidate Starts for Bob3_22:
(Start: 38 @15001 has 24 MA's), (Start: 60 @15100 has 202 MA's), (81, 15229), (83, 15241), (105, 15331), (134, 15448),

Gene: BobSwaget_27 Start: 17430, Stop: 17834, Start Num: 59
Candidate Starts for BobSwaget_27:
(Start: 59 @17430 has 322 MA's), (68, 17493), (72, 17514), (83, 17568), (94, 17637), (106, 17682), (113, 17715), (127, 17775), (130, 17790),

Gene: BobbyDazzler_19 Start: 11394, Stop: 11744, Start Num: 57
Candidate Starts for BobbyDazzler_19:

(Start: 57 @11394 has 289 MA's), (84, 11532), (86, 11538), (100, 11589), (110, 11628), (125, 11694), (127, 11700), (134, 11730),

Gene: BogosyJay_25 Start: 16363, Stop: 16758, Start Num: 59
Candidate Starts for BogosyJay_25:
(Start: 59 @16363 has 322 MA's), (69, 16429), (71, 16435), (80, 16474), (96, 16576), (99, 16585), (121, 16681), (127, 16699), (130, 16714),

Gene: Bombshell_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Bombshell_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Bonamassa_20 Start: 14446, Stop: 14826, Start Num: 59
Candidate Starts for Bonamassa_20:
(Start: 59 @14446 has 322 MA's), (67, 14503), (80, 14557), (83, 14581), (89, 14602), (92, 14611), (94, 14638), (101, 14659), (105, 14674), (110, 14695), (111, 14707), (121, 14746), (130, 14779), (135, 14806),

Gene: Bonanza_20 Start: 11323, Stop: 11673, Start Num: 57
Candidate Starts for Bonanza_20:
(Start: 57 @11323 has 289 MA's), (84, 11461), (86, 11467), (100, 11518), (110, 11557), (125, 11623), (127, 11629), (134, 11659),

Gene: Bones_22 Start: 15292, Stop: 15663, Start Num: 60
Candidate Starts for Bones_22:
(Start: 38 @15190 has 24 MA's), (Start: 60 @15292 has 202 MA's), (69, 15361), (78, 15403), (84, 15436), (121, 15586), (126, 15601), (127, 15604), (128, 15607),

Gene: Boohoo_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for Boohoo_26:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Bovely_16 Start: 10956, Stop: 11279, Start Num: 61
Candidate Starts for Bovely_16:
(Start: 61 @10956 has 110 MA's), (119, 11205), (134, 11265),

Gene: Bowden_17 Start: 10887, Stop: 11234, Start Num: 61
Candidate Starts for Bowden_17:
(55, 10869), (Start: 61 @10887 has 110 MA's), (89, 11043), (110, 11103),

Gene: Bowtie_24 Start: 16362, Stop: 16757, Start Num: 59
Candidate Starts for Bowtie_24:
(Start: 59 @16362 has 322 MA's), (71, 16434), (74, 16452), (86, 16509), (102, 16587), (121, 16680),

Gene: Bradman_23 Start: 14715, Stop: 15119, Start Num: 59
Candidate Starts for Bradman_23:
(Start: 59 @14715 has 322 MA's), (72, 14799), (76, 14811), (116, 15012),

Gene: Bradshaw_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Bradshaw_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Brataylor_17 Start: 10942, Stop: 11265, Start Num: 61
Candidate Starts for Brataylor_17:
(Start: 61 @10942 has 110 MA's), (89, 11095), (119, 11191),

Gene: BreSam8_25 Start: 15176, Stop: 15574, Start Num: 57
Candidate Starts for BreSam8_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Briton15_24 Start: 15837, Stop: 16214, Start Num: 60
Candidate Starts for Briton15_24:
(54, 15804), (Start: 60 @15837 has 202 MA's), (83, 15978), (105, 16068),

Gene: BroPlease_18 Start: 11131, Stop: 11460, Start Num: 61
Candidate Starts for BroPlease_18:
(33, 11029), (Start: 61 @11131 has 110 MA's), (110, 11344), (119, 11386), (123, 11404),

Gene: Broseidon_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Broseidon_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Bruiser_88 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Bruiser_88:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Bruns_21 Start: 15472, Stop: 15849, Start Num: 60
Candidate Starts for Bruns_21:
(Start: 38 @15373 has 24 MA's), (Start: 60 @15472 has 202 MA's), (69, 15541), (74, 15565), (77, 15580), (78, 15583), (81, 15601), (117, 15751),

Gene: BryanRecycles_17 Start: 11113, Stop: 11436, Start Num: 61
Candidate Starts for BryanRecycles_17:
(Start: 61 @11113 has 110 MA's), (134, 11422),

Gene: Bryce_19 Start: 11323, Stop: 11673, Start Num: 57
Candidate Starts for Bryce_19:
(Start: 57 @11323 has 289 MA's), (84, 11461), (86, 11467), (100, 11518), (110, 11557), (125, 11623), (127, 11629), (134, 11659),

Gene: BubbleTrouble_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for BubbleTrouble_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Buckaroo_22 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for Buckaroo_22:
(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (102, 15315), (125, 15408), (127, 15414),

Gene: Bud_24 Start: 16368, Stop: 16763, Start Num: 59
Candidate Starts for Bud_24:
(Start: 59 @16368 has 322 MA's), (71, 16440), (74, 16458), (86, 16515), (102, 16593), (121, 16686),

Gene: Bugatti_24 Start: 14698, Stop: 15081, Start Num: 57
Candidate Starts for Bugatti_24:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: Bugsy_26 Start: 16297, Stop: 16704, Start Num: 59
Candidate Starts for Bugsy_26:
(Start: 59 @16297 has 322 MA's), (63, 16324), (68, 16360), (72, 16381), (95, 16510), (106, 16552), (113, 16585), (127, 16645), (130, 16660),

Gene: Bumblebee11_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Bumblebee11_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (80, 15212), (83, 15236), (102, 15311), (125, 15404), (127, 15410),

Gene: Burger_22 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Burger_22:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Burton_23 Start: 15670, Stop: 16047, Start Num: 60
Candidate Starts for Burton_23:
(Start: 38 @15571 has 24 MA's), (Start: 60 @15670 has 202 MA's), (69, 15739), (74, 15763), (77, 15778), (78, 15781), (81, 15799), (117, 15949),

Gene: Buttons_23 Start: 16034, Stop: 16411, Start Num: 60
Candidate Starts for Buttons_23:
(Start: 38 @15935 has 24 MA's), (Start: 60 @16034 has 202 MA's), (69, 16103), (74, 16127), (77, 16142), (78, 16145), (117, 16313),

Gene: BuzzBuzz_24 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for BuzzBuzz_24:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: Bxb1_21 Start: 15621, Stop: 15998, Start Num: 60
Candidate Starts for Bxb1_21:
(Start: 38 @15522 has 24 MA's), (Start: 60 @15621 has 202 MA's), (69, 15690), (74, 15714), (77, 15729), (78, 15732), (81, 15750), (117, 15900), (134, 15969),

Gene: Bxz2_24 Start: 15277, Stop: 15675, Start Num: 57
Candidate Starts for Bxz2_24:
(Start: 48 @15214 has 41 MA's), (Start: 57 @15277 has 289 MA's), (75, 15370), (77, 15382), (83, 15415), (87, 15427), (99, 15502), (102, 15511), (106, 15532), (116, 15574), (123, 15604), (130, 15631),

Gene: C3_22 Start: 15838, Stop: 16242, Start Num: 59
Candidate Starts for C3_22:
(Start: 59 @15838 has 322 MA's), (72, 15922), (83, 15976), (95, 16048), (130, 16198), (131, 16201),

Gene: CRB1_24 Start: 15786, Stop: 16193, Start Num: 59
Candidate Starts for CRB1_24:

(Start: 39 @15696 has 3 MA's), (Start: 48 @15723 has 41 MA's), (Start: 59 @15786 has 322 MA's), (63, 15813), (68, 15849), (95, 15999), (106, 16041), (114, 16077), (116, 16086), (127, 16134), (130, 16149),

Gene: CactusRose_21 Start: 15287, Stop: 15658, Start Num: 60
Candidate Starts for CactusRose_21:
(Start: 38 @15188 has 24 MA's), (Start: 60 @15287 has 202 MA's), (69, 15356), (78, 15398), (84, 15431), (121, 15581), (126, 15596), (127, 15599), (128, 15602),

Gene: Caelakin_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Caelakin_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Caelum_18 Start: 10754, Stop: 11095, Start Num: 61
Candidate Starts for Caelum_18:
(29, 10649), (56, 10736), (Start: 61 @10754 has 110 MA's), (73, 10838), (89, 10910), (103, 10940), (134, 11066),

Gene: Caitlin_20 Start: 13751, Stop: 14116, Start Num: 59
Candidate Starts for Caitlin_20:
(Start: 59 @13751 has 322 MA's), (67, 13811), (71, 13823), (88, 13907), (89, 13910), (94, 13946), (102, 13970), (125, 14066),

Gene: Caliburn_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Caliburn_16:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: Calvinny_25 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Calvinny_25:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Camperdownii_22 Start: 14717, Stop: 15088, Start Num: 57
Candidate Starts for Camperdownii_22:
(Start: 57 @14717 has 289 MA's), (69, 14783), (75, 14810), (102, 14930), (125, 15023), (127, 15029),

Gene: Candra_27 Start: 15958, Stop: 16362, Start Num: 59
Candidate Starts for Candra_27:
(Start: 26 @15853 has 1 MA's), (Start: 39 @15868 has 3 MA's), (Start: 48 @15895 has 41 MA's), (Start: 59 @15958 has 322 MA's), (83, 16096), (89, 16117), (104, 16198), (106, 16210), (127, 16303), (130, 16318),

Gene: Caraxes_23 Start: 14448, Stop: 14852, Start Num: 59
Candidate Starts for Caraxes_23:
(Start: 59 @14448 has 322 MA's), (72, 14532), (83, 14586), (86, 14595), (95, 14658),

Gene: Carlyle_24 Start: 16416, Stop: 16802, Start Num: 60
Candidate Starts for Carlyle_24:
(Start: 38 @16317 has 24 MA's), (Start: 60 @16416 has 202 MA's), (77, 16524), (88, 16575), (91, 16587), (94, 16620), (106, 16665), (115, 16698), (127, 16743), (130, 16758), (134, 16773),

Gene: CartmannCramer_22 Start: 17385, Stop: 17756, Start Num: 60
Candidate Starts for CartmannCramer_22:

(Start: 60 @17385 has 202 MA's), (69, 17454), (78, 17496), (84, 17529), (121, 17679), (126, 17694), (127, 17697), (128, 17700),

Gene: CatBus_23 Start: 16576, Stop: 16953, Start Num: 60
Candidate Starts for CatBus_23:
(Start: 38 @16477 has 24 MA's), (Start: 60 @16576 has 202 MA's), (69, 16645), (74, 16669), (77, 16684), (78, 16687), (117, 16855),

Gene: Cat_21 Start: 14562, Stop: 14945, Start Num: 57
Candidate Starts for Cat_21:
(Start: 23 @14448 has 2 MA's), (Start: 48 @14496 has 41 MA's), (Start: 57 @14562 has 289 MA's), (75, 14655), (89, 14721), (91, 14730), (94, 14757), (106, 14802), (123, 14874), (127, 14886), (130, 14901),

Gene: Catalina_25 Start: 16615, Stop: 17010, Start Num: 59
Candidate Starts for Catalina_25:
(Start: 59 @16615 has 322 MA's), (71, 16687), (80, 16726), (96, 16828), (99, 16837), (121, 16933), (127, 16951), (130, 16966),

Gene: Caviar_24 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Caviar_24:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Celery_19 Start: 10801, Stop: 11124, Start Num: 61
Candidate Starts for Celery_19:
(30, 10696), (34, 10702), (Start: 61 @10801 has 110 MA's), (103, 10984), (123, 11068),

Gene: Celeste_16 Start: 10934, Stop: 11257, Start Num: 61
Candidate Starts for Celeste_16:
(Start: 61 @10934 has 110 MA's), (89, 11087), (119, 11183),

Gene: Celestialunch_23 Start: 14737, Stop: 15132, Start Num: 59
Candidate Starts for Celestialunch_23:
(Start: 59 @14737 has 322 MA's), (71, 14809), (75, 14827), (78, 14842), (83, 14872), (96, 14950), (99, 14959), (106, 14989), (121, 15055), (127, 15073), (130, 15088),

Gene: Celia_16 Start: 11291, Stop: 11617, Start Num: 61
Candidate Starts for Celia_16:
(Start: 61 @11291 has 110 MA's), (103, 11477), (119, 11543), (123, 11561), (134, 11603),

Gene: Centaur_26 Start: 16293, Stop: 16697, Start Num: 59
Candidate Starts for Centaur_26:
(54, 16266), (Start: 59 @16293 has 322 MA's), (63, 16320), (72, 16377), (105, 16536), (106, 16545), (127, 16638), (130, 16653),

Gene: CentreCat_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for CentreCat_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: Cerulean_24 Start: 15410, Stop: 15781, Start Num: 57
Candidate Starts for Cerulean_24:
(Start: 57 @15410 has 289 MA's), (69, 15476), (75, 15503), (102, 15623), (125, 15716), (127, 15722),

Gene: Chadwick_22 Start: 14258, Stop: 14638, Start Num: 59
Candidate Starts for Chadwick_22:
(Start: 26 @14156 has 1 MA's), (Start: 48 @14195 has 41 MA's), (Start: 59 @14258 has 322 MA's), (83, 14393), (89, 14414), (94, 14450), (105, 14486), (123, 14564), (130, 14591), (134, 14606),

Gene: ChampagnePapi_24 Start: 15409, Stop: 15780, Start Num: 57
Candidate Starts for ChampagnePapi_24:
(Start: 57 @15409 has 289 MA's), (69, 15475), (75, 15502), (102, 15622), (125, 15715), (127, 15721),

Gene: Chanagan_21 Start: 15126, Stop: 15503, Start Num: 60
Candidate Starts for Chanagan_21:
(Start: 38 @15027 has 24 MA's), (Start: 60 @15126 has 202 MA's), (81, 15255), (83, 15267), (105, 15357), (134, 15474),

Gene: Chaph_23 Start: 15107, Stop: 15478, Start Num: 57
Candidate Starts for Chaph_23:
(Start: 57 @15107 has 289 MA's), (69, 15173), (75, 15200), (102, 15320), (125, 15413), (127, 15419),

Gene: Chargerpower_24 Start: 15030, Stop: 15434, Start Num: 59
Candidate Starts for Chargerpower_24:
(Start: 59 @15030 has 322 MA's), (77, 15135), (83, 15168), (98, 15246), (125, 15369), (127, 15375),

Gene: Charm_24 Start: 14746, Stop: 15141, Start Num: 59
Candidate Starts for Charm_24:
(Start: 59 @14746 has 322 MA's), (71, 14818), (83, 14881), (96, 14959), (99, 14968), (121, 15064), (127, 15082), (130, 15097),

Gene: Chartreuse_27 Start: 15869, Stop: 16273, Start Num: 59
Candidate Starts for Chartreuse_27:
(Start: 48 @15806 has 41 MA's), (Start: 59 @15869 has 322 MA's), (83, 16007), (89, 16028), (104, 16109), (106, 16121), (127, 16214), (130, 16229), (135, 16256),

Gene: Che12_26 Start: 14708, Stop: 15112, Start Num: 59
Candidate Starts for Che12_26:
(Start: 59 @14708 has 322 MA's), (72, 14792), (76, 14804), (83, 14846), (95, 14918), (127, 15053),

Gene: ChipMunk_26 Start: 16201, Stop: 16608, Start Num: 59
Candidate Starts for ChipMunk_26:
(Start: 59 @16201 has 322 MA's), (72, 16285), (95, 16414), (106, 16456), (113, 16489), (127, 16549), (130, 16564),

Gene: Chiqui_22 Start: 14967, Stop: 15350, Start Num: 57
Candidate Starts for Chiqui_22:
(Start: 48 @14901 has 41 MA's), (Start: 57 @14967 has 289 MA's), (75, 15060), (89, 15126), (91, 15135), (94, 15162), (106, 15207), (127, 15291), (130, 15306),

Gene: ChristmasHams_22 Start: 15586, Stop: 15963, Start Num: 60
Candidate Starts for ChristmasHams_22:
(Start: 60 @15586 has 202 MA's), (78, 15697), (102, 15805), (105, 15817), (121, 15886),

Gene: Chucky_16 Start: 10931, Stop: 11254, Start Num: 61
Candidate Starts for Chucky_16:

(Start: 61 @10931 has 110 MA's), (119, 11180), (134, 11240),

Gene: Chupacabra_23 Start: 14909, Stop: 15277, Start Num: 57
Candidate Starts for Chupacabra_23:
(Start: 57 @14909 has 289 MA's), (67, 14969), (69, 14975), (74, 14999), (83, 15047), (102, 15119), (105, 15131), (125, 15212),

Gene: Ciao_22 Start: 15500, Stop: 15877, Start Num: 60
Candidate Starts for Ciao_22:
(Start: 60 @15500 has 202 MA's), (69, 15569), (74, 15593), (77, 15608), (78, 15611), (81, 15629), (117, 15779),

Gene: Cici_23 Start: 15089, Stop: 15460, Start Num: 57
Candidate Starts for Cici_23:
(Start: 57 @15089 has 289 MA's), (69, 15155), (75, 15182), (80, 15203), (83, 15227), (102, 15302), (125, 15395), (127, 15401),

Gene: Cindaradix_22 Start: 14823, Stop: 15194, Start Num: 57
Candidate Starts for Cindaradix_22:
(Start: 48 @14754 has 41 MA's), (Start: 57 @14823 has 289 MA's), (69, 14889), (75, 14916), (80, 14937), (83, 14961), (102, 15036), (125, 15129), (127, 15135),

Gene: Cintron_23 Start: 15146, Stop: 15517, Start Num: 57
Candidate Starts for Cintron_23:
(53, 15116), (Start: 57 @15146 has 289 MA's), (69, 15212), (75, 15239), (102, 15359), (125, 15452), (127, 15458),

Gene: Citius_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Citius_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Clammy_24 Start: 14698, Stop: 15081, Start Num: 57
Candidate Starts for Clammy_24:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: Clarenza_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Clarenza_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: CloudWang3_27 Start: 15844, Stop: 16311, Start Num: 48
Candidate Starts for CloudWang3_27:
(Start: 48 @15844 has 41 MA's), (Start: 59 @15907 has 322 MA's), (83, 16045), (89, 16066), (94, 16114), (104, 16147), (106, 16159), (127, 16252),

Gene: ClownCar_25 Start: 15253, Stop: 15651, Start Num: 57
Candidate Starts for ClownCar_25:
(Start: 57 @15253 has 289 MA's), (71, 15325), (75, 15346), (77, 15358), (99, 15478), (102, 15487), (106, 15508), (116, 15550), (121, 15574), (123, 15580), (130, 15607),

Gene: Cocoaberry_23 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for Cocoaberry_23:

(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (102, 15315), (125, 15408), (127, 15414),

Gene: CogOmlette_22 Start: 14692, Stop: 15087, Start Num: 59
Candidate Starts for CogOmlette_22:
(Start: 59 @14692 has 322 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: Colbster_25 Start: 15183, Stop: 15581, Start Num: 57
Candidate Starts for Colbster_25:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Colin_27 Start: 17492, Stop: 17896, Start Num: 59
Candidate Starts for Colin_27:
(Start: 26 @17387 has 1 MA's), (Start: 39 @17402 has 3 MA's), (Start: 48 @17429 has 41 MA's), (Start: 59 @17492 has 322 MA's), (68, 17555), (83, 17630), (95, 17702), (106, 17744), (127, 17837), (130, 17852),

Gene: Commander_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Commander_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Conan_17 Start: 10571, Stop: 10894, Start Num: 61
Candidate Starts for Conan_17:
(30, 10466), (34, 10472), (Start: 61 @10571 has 110 MA's), (103, 10754), (123, 10838),

Gene: ConceptII_23 Start: 16008, Stop: 16385, Start Num: 60
Candidate Starts for ConceptII_23:
(Start: 38 @15909 has 24 MA's), (Start: 60 @16008 has 202 MA's), (81, 16137), (83, 16149), (105, 16239), (134, 16356),

Gene: Connomayer_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Connomayer_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Conquerage_25 Start: 16644, Stop: 17039, Start Num: 59
Candidate Starts for Conquerage_25:
(Start: 59 @16644 has 322 MA's), (71, 16716), (80, 16755), (96, 16857), (99, 16866), (121, 16962), (127, 16980), (130, 16995),

Gene: Conspiracy_20 Start: 14271, Stop: 14651, Start Num: 59
Candidate Starts for Conspiracy_20:
(Start: 59 @14271 has 322 MA's), (67, 14328), (69, 14334), (80, 14382), (83, 14406), (89, 14427), (92, 14436), (94, 14463), (101, 14484), (105, 14499), (110, 14520), (111, 14532), (130, 14604), (135, 14631),

Gene: Coog_20 Start: 14325, Stop: 14795, Start Num: 39
Candidate Starts for Coog_20:
(Start: 39 @14325 has 3 MA's), (Start: 59 @14415 has 322 MA's), (67, 14472), (80, 14526), (83, 14550), (89, 14571), (92, 14580), (94, 14607), (101, 14628), (105, 14643), (110, 14664), (111, 14676), (121, 14715), (130, 14748), (135, 14775),

Gene: Cookiedough_27 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for Cookiedough_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (101, 16143), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Corvo_22 Start: 15992, Stop: 16369, Start Num: 60
Candidate Starts for Corvo_22:
(Start: 60 @15992 has 202 MA's), (69, 16061), (74, 16085), (77, 16100), (78, 16103), (117, 16271),

Gene: CosmicSans_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for CosmicSans_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Crispicous1_21 Start: 14997, Stop: 15374, Start Num: 60
Candidate Starts for Crispicous1_21:
(Start: 38 @14898 has 24 MA's), (Start: 60 @14997 has 202 MA's), (81, 15126), (83, 15138), (105, 15228), (134, 15345),

Gene: Croquant_26 Start: 15181, Stop: 15579, Start Num: 57
Candidate Starts for Croquant_26:
(Start: 48 @15118 has 41 MA's), (Start: 57 @15181 has 289 MA's), (75, 15274), (77, 15286), (83, 15319), (87, 15331), (99, 15406), (102, 15415), (106, 15436), (116, 15478), (123, 15508), (130, 15535),

Gene: Crucio_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for Crucio_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (109, 15989), (113, 16013), (127, 16073), (130, 16088),

Gene: Cuco_20 Start: 14445, Stop: 14825, Start Num: 59
Candidate Starts for Cuco_20:
(Start: 59 @14445 has 322 MA's), (67, 14502), (80, 14556), (83, 14580), (89, 14601), (92, 14610), (94, 14637), (101, 14658), (105, 14673), (110, 14694), (111, 14706), (121, 14745), (130, 14778), (135, 14805),

Gene: Cueylyss_22 Start: 15699, Stop: 16076, Start Num: 60
Candidate Starts for Cueylyss_22:
(Start: 60 @15699 has 202 MA's), (81, 15828), (83, 15840), (105, 15930), (134, 16047),

Gene: Cullens_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for Cullens_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: D29_24 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for D29_24:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: D32_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for D32_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: DBQu4n_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for DBQu4n_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: DD5_23 Start: 16148, Stop: 16624, Start Num: 38
Candidate Starts for DD5_23:
(Start: 38 @16148 has 24 MA's), (Start: 60 @16247 has 202 MA's), (81, 16376), (83, 16388), (105, 16478), (134, 16595),

Gene: DaHudson_25 Start: 15112, Stop: 15573, Start Num: 48
Candidate Starts for DaHudson_25:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: DaVinci_27 Start: 15923, Stop: 16327, Start Num: 59
Candidate Starts for DaVinci_27:
(Start: 48 @15860 has 41 MA's), (Start: 59 @15923 has 322 MA's), (83, 16061), (89, 16082), (104, 16163), (106, 16175), (127, 16268), (130, 16283), (135, 16310),

Gene: Daishi_24 Start: 14108, Stop: 14506, Start Num: 57
Candidate Starts for Daishi_24:
(Start: 48 @14045 has 41 MA's), (Start: 57 @14108 has 289 MA's), (75, 14201), (77, 14213), (83, 14246), (87, 14258), (99, 14333), (102, 14342), (106, 14363), (116, 14405), (123, 14435), (130, 14462),

Gene: Dalmatian_24 Start: 15866, Stop: 16273, Start Num: 59
Candidate Starts for Dalmatian_24:
(16, 15722), (Start: 59 @15866 has 322 MA's), (63, 15893), (68, 15929), (106, 16121), (113, 16154), (127, 16214), (130, 16229),

Gene: Danforth_19 Start: 13733, Stop: 14098, Start Num: 59
Candidate Starts for Danforth_19:
(Start: 59 @13733 has 322 MA's), (67, 13793), (71, 13805), (88, 13889), (89, 13892), (94, 13928), (102, 13952), (125, 14048),

Gene: Danzina_17 Start: 11144, Stop: 11467, Start Num: 61
Candidate Starts for Danzina_17:
(Start: 61 @11144 has 110 MA's), (89, 11297), (119, 11393),

Gene: Darrell_26 Start: 16806, Stop: 17201, Start Num: 59
Candidate Starts for Darrell_26:
(Start: 59 @16806 has 322 MA's), (62, 16815), (71, 16878), (75, 16896), (77, 16908), (80, 16917), (96, 17019), (99, 17028), (106, 17058), (118, 17109), (121, 17124), (127, 17142), (130, 17157),

Gene: DarthPhader_25 Start: 16774, Stop: 17169, Start Num: 59
Candidate Starts for DarthPhader_25:
(Start: 59 @16774 has 322 MA's), (71, 16846), (75, 16864), (77, 16876), (80, 16885), (83, 16909), (99, 16996), (121, 17092), (125, 17104), (127, 17110), (130, 17125),

Gene: Dattran_17 Start: 10933, Stop: 11256, Start Num: 61
Candidate Starts for Dattran_17:

(Start: 61 @10933 has 110 MA's), (89, 11086), (119, 11182),

Gene: Datway_23 Start: 15104, Stop: 15475, Start Num: 57
Candidate Starts for Datway_23:
(Start: 57 @15104 has 289 MA's), (69, 15170), (75, 15197), (77, 15209), (80, 15218), (83, 15242), (102, 15317), (125, 15410), (127, 15416),

Gene: Daudau_16 Start: 10861, Stop: 11208, Start Num: 61
Candidate Starts for Daudau_16:
(35, 10762), (44, 10777), (55, 10843), (Start: 61 @10861 has 110 MA's), (71, 10930), (89, 11017), (110, 11077), (134, 11179),

Gene: Deano_23 Start: 15106, Stop: 15477, Start Num: 57
Candidate Starts for Deano_23:
(Start: 57 @15106 has 289 MA's), (69, 15172), (75, 15199), (102, 15319), (125, 15412), (127, 15418),

Gene: DeerParkTS_25 Start: 15868, Stop: 16272, Start Num: 59
Candidate Starts for DeerParkTS_25:
(Start: 59 @15868 has 322 MA's), (83, 16006), (95, 16078), (106, 16120), (130, 16228),

Gene: DekHockey33_26 Start: 15070, Stop: 15453, Start Num: 59
Candidate Starts for DekHockey33_26:
(54, 15040), (Start: 59 @15070 has 322 MA's), (74, 15160), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: Deloris_25 Start: 16220, Stop: 16627, Start Num: 59
Candidate Starts for Deloris_25:
(4, 15968), (10, 16004), (Start: 48 @16157 has 41 MA's), (Start: 59 @16220 has 322 MA's), (63, 16247), (67, 16280), (72, 16304), (95, 16433), (106, 16475), (113, 16508), (127, 16568), (130, 16583),

Gene: DelvinSonDorr_26 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for DelvinSonDorr_26:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Dexers_15 Start: 10555, Stop: 10878, Start Num: 61
Candidate Starts for Dexers_15:
(Start: 61 @10555 has 110 MA's), (103, 10738), (123, 10822),

Gene: Dexes_23 Start: 16216, Stop: 16593, Start Num: 60
Candidate Starts for Dexes_23:
(Start: 38 @16114 has 24 MA's), (Start: 60 @16216 has 202 MA's), (69, 16285), (74, 16309), (77, 16324), (78, 16327), (81, 16345), (117, 16495), (134, 16564),

Gene: Dhanush_24 Start: 15101, Stop: 15472, Start Num: 57
Candidate Starts for Dhanush_24:
(Start: 57 @15101 has 289 MA's), (69, 15167), (75, 15194), (102, 15314), (125, 15407), (127, 15413),

Gene: Diane_16 Start: 10806, Stop: 11144, Start Num: 61
Candidate Starts for Diane_16:
(19, 10668), (22, 10686), (56, 10788), (Start: 61 @10806 has 110 MA's), (103, 10989), (134, 11115),

Gene: Dieselweasel_25 Start: 15184, Stop: 15582, Start Num: 57
Candidate Starts for Dieselweasel_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: Dignity_26 Start: 16242, Stop: 16649, Start Num: 59
Candidate Starts for Dignity_26:
(Start: 59 @16242 has 322 MA's), (63, 16269), (68, 16305), (72, 16326), (95, 16455), (106, 16497), (113, 16530), (127, 16590), (130, 16605),

Gene: Dinger_19 Start: 11319, Stop: 11669, Start Num: 57
Candidate Starts for Dinger_19:
(Start: 57 @11319 has 289 MA's), (84, 11457), (86, 11463), (100, 11514), (110, 11553), (125, 11619), (127, 11625), (134, 11655),

Gene: DirtDevil_23 Start: 16384, Stop: 16761, Start Num: 60
Candidate Starts for DirtDevil_23:
(Start: 38 @16285 has 24 MA's), (Start: 60 @16384 has 202 MA's), (69, 16453), (74, 16477), (77, 16492), (78, 16495), (117, 16663),

Gene: DirtyDunning_23 Start: 15094, Stop: 15465, Start Num: 57
Candidate Starts for DirtyDunning_23:
(Start: 57 @15094 has 289 MA's), (69, 15160), (75, 15187), (102, 15307), (125, 15400), (127, 15406),

Gene: Discoknowium_20 Start: 14560, Stop: 14940, Start Num: 59
Candidate Starts for Discoknowium_20:
(Start: 59 @14560 has 322 MA's), (67, 14617), (69, 14623), (80, 14671), (83, 14695), (89, 14716), (92, 14725), (94, 14752), (101, 14773), (105, 14788), (110, 14809), (111, 14821), (130, 14893), (135, 14920),

Gene: Dixon_20 Start: 13752, Stop: 14117, Start Num: 59
Candidate Starts for Dixon_20:
(Start: 59 @13752 has 322 MA's), (67, 13812), (71, 13824), (88, 13908), (89, 13911), (94, 13947), (102, 13971), (125, 14067),

Gene: DontArgue_22 Start: 13170, Stop: 13541, Start Num: 57
Candidate Starts for DontArgue_22:
(53, 13140), (Start: 57 @13170 has 289 MA's), (67, 13230), (102, 13383), (125, 13476), (127, 13482),

Gene: Doom_23 Start: 16337, Stop: 16714, Start Num: 60
Candidate Starts for Doom_23:
(33, 16223), (49, 16271), (Start: 60 @16337 has 202 MA's), (78, 16448), (102, 16556), (105, 16568), (121, 16637),

Gene: Dorothea_27 Start: 15926, Stop: 16327, Start Num: 59
Candidate Starts for Dorothea_27:
(Start: 26 @15821 has 1 MA's), (Start: 39 @15836 has 3 MA's), (Start: 48 @15863 has 41 MA's), (Start: 59 @15926 has 322 MA's), (83, 16064), (89, 16085), (104, 16163), (106, 16175), (127, 16268), (130, 16283),

Gene: DrFeelGood_21 Start: 15585, Stop: 16058, Start Num: 38
Candidate Starts for DrFeelGood_21:

(Start: 14 @15510 has 1 MA's), (Start: 38 @15585 has 24 MA's), (Start: 60 @15687 has 202 MA's), (69, 15756), (78, 15798), (84, 15831), (121, 15981), (126, 15996), (127, 15999), (128, 16002),

Gene: Drake55_26 Start: 16310, Stop: 16714, Start Num: 59
Candidate Starts for Drake55_26:
(Start: 39 @16220 has 3 MA's), (Start: 48 @16247 has 41 MA's), (Start: 59 @16310 has 322 MA's), (63, 16337), (72, 16394), (105, 16553), (106, 16562), (127, 16655), (130, 16670),

Gene: Drake94_22 Start: 13002, Stop: 13370, Start Num: 57
Candidate Starts for Drake94_22:
(Start: 48 @12939 has 41 MA's), (Start: 57 @13002 has 289 MA's), (67, 13062), (69, 13068), (83, 13140), (102, 13212), (106, 13233), (107, 13236), (125, 13305),

Gene: DreamCatcher_25 Start: 16965, Stop: 17342, Start Num: 60
Candidate Starts for DreamCatcher_25:
(Start: 60 @16965 has 202 MA's), (69, 17034), (74, 17058), (77, 17073), (78, 17076), (117, 17244),

Gene: DreamTeam1_24 Start: 14746, Stop: 15141, Start Num: 59
Candidate Starts for DreamTeam1_24:
(Start: 59 @14746 has 322 MA's), (71, 14818), (83, 14881), (96, 14959), (99, 14968), (121, 15064), (127, 15082), (130, 15097),

Gene: Dreamboat_23 Start: 15493, Stop: 15870, Start Num: 60
Candidate Starts for Dreamboat_23:
(Start: 60 @15493 has 202 MA's), (69, 15562), (74, 15586), (77, 15601), (78, 15604), (117, 15772),

Gene: DroogsArmy_24 Start: 16476, Stop: 16838, Start Num: 59
Candidate Starts for DroogsArmy_24:
(Start: 59 @16476 has 322 MA's), (67, 16536), (113, 16737), (114, 16740), (116, 16749), (124, 16785), (130, 16809), (134, 16824),

Gene: DropBear_23 Start: 14758, Stop: 15141, Start Num: 57
Candidate Starts for DropBear_23:
(Start: 23 @14644 has 2 MA's), (Start: 48 @14692 has 41 MA's), (Start: 57 @14758 has 289 MA's), (75, 14851), (89, 14917), (91, 14926), (94, 14953), (106, 14998), (123, 15070), (127, 15082), (130, 15097),

Gene: Druantia_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Druantia_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: Dublin_19 Start: 14414, Stop: 14794, Start Num: 59
Candidate Starts for Dublin_19:
(Start: 39 @14324 has 3 MA's), (Start: 59 @14414 has 322 MA's), (67, 14471), (80, 14525), (83, 14549), (89, 14570), (92, 14579), (94, 14606), (101, 14627), (105, 14642), (110, 14663), (111, 14675), (130, 14747), (135, 14774),

Gene: DudeLittle_24 Start: 15868, Stop: 16275, Start Num: 59
Candidate Starts for DudeLittle_24:
(Start: 59 @15868 has 322 MA's), (63, 15895), (68, 15931), (72, 15952), (106, 16123), (113, 16156), (127, 16216), (130, 16231),

Gene: Dulcie_21 Start: 15190, Stop: 15567, Start Num: 60

Candidate Starts for Dulcie_21:
(Start: 60 @15190 has 202 MA's), (69, 15259), (74, 15283), (77, 15298), (78, 15301), (81, 15319), (117, 15469), (134, 15538),

Gene: Duplo_27 Start: 15733, Stop: 16137, Start Num: 59
Candidate Starts for Duplo_27:
(Start: 59 @15733 has 322 MA's), (72, 15817), (83, 15871), (95, 15943), (130, 16093), (131, 16096),

Gene: Dussy_23 Start: 15843, Stop: 16229, Start Num: 60
Candidate Starts for Dussy_23:
(Start: 38 @15744 has 24 MA's), (Start: 60 @15843 has 202 MA's), (77, 15951), (88, 16002), (91, 16014), (94, 16047), (106, 16092), (115, 16125), (127, 16170), (130, 16185), (134, 16200),

Gene: DustyMartin_26 Start: 14979, Stop: 15347, Start Num: 57
Candidate Starts for DustyMartin_26:
(Start: 57 @14979 has 289 MA's), (67, 15039), (69, 15045), (83, 15117), (102, 15189), (105, 15201), (109, 15219), (123, 15276), (125, 15282), (127, 15288),

Gene: Dwayne_16 Start: 10927, Stop: 11250, Start Num: 61
Candidate Starts for Dwayne_16:
(Start: 61 @10927 has 110 MA's), (119, 11176), (134, 11236),

Gene: Dynamix_23 Start: 15587, Stop: 15964, Start Num: 60
Candidate Starts for Dynamix_23:
(54, 15554), (Start: 60 @15587 has 202 MA's), (83, 15728),

Gene: ELB20_15 Start: 10890, Stop: 11231, Start Num: 61
Candidate Starts for ELB20_15:
(55, 10872), (Start: 61 @10890 has 110 MA's), (89, 11046), (97, 11061), (108, 11094), (119, 11142), (134, 11202),

Gene: EZMoney23_28 Start: 17778, Stop: 18182, Start Num: 59
Candidate Starts for EZMoney23_28:
(Start: 59 @17778 has 322 MA's), (72, 17862), (83, 17916), (89, 17937), (105, 18021), (106, 18030), (127, 18123), (130, 18138),

Gene: Eagle_22 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Eagle_22:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: EagleEye_26 Start: 16035, Stop: 16430, Start Num: 59
Candidate Starts for EagleEye_26:
(Start: 59 @16035 has 322 MA's), (69, 16101), (80, 16149), (92, 16212), (106, 16281), (127, 16371), (129, 16377), (134, 16401),

Gene: Eaglepride_24 Start: 14919, Stop: 15290, Start Num: 57
Candidate Starts for Eaglepride_24:
(Start: 57 @14919 has 289 MA's), (67, 14979), (69, 14985), (102, 15132), (125, 15225),

Gene: Eapen_23 Start: 15097, Stop: 15468, Start Num: 57
Candidate Starts for Eapen_23:
(Start: 57 @15097 has 289 MA's), (69, 15163), (75, 15190), (102, 15310), (125, 15403), (127, 15409),

Gene: Ebony_24 Start: 16405, Stop: 16800, Start Num: 59
Candidate Starts for Ebony_24:
(Start: 59 @16405 has 322 MA's), (71, 16477), (74, 16495), (86, 16552), (102, 16630), (121, 16723),

Gene: Echild_24 Start: 15899, Stop: 16306, Start Num: 59
Candidate Starts for Echild_24:
(Start: 59 @15899 has 322 MA's), (67, 15959), (72, 15983), (95, 16112), (106, 16154), (127, 16247), (130, 16262),

Gene: Eddasa_17 Start: 11113, Stop: 11436, Start Num: 61
Candidate Starts for Eddasa_17:
(Start: 61 @11113 has 110 MA's), (134, 11422),

Gene: Edison31_23 Start: 14949, Stop: 15317, Start Num: 57
Candidate Starts for Edison31_23:
(52, 14919), (Start: 57 @14949 has 289 MA's), (67, 15009), (69, 15015), (83, 15087), (102, 15159), (105, 15171), (123, 15246), (125, 15252), (127, 15258),

Gene: EdogawaKiddo_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for EdogawaKiddo_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Edtherson_23 Start: 16242, Stop: 16718, Start Num: 38
Candidate Starts for Edtherson_23:
(Start: 38 @16242 has 24 MA's), (Start: 60 @16341 has 202 MA's), (69, 16410), (74, 16434), (77, 16449), (78, 16452), (117, 16620), (134, 16689),

Gene: Eidsmoe_25 Start: 16644, Stop: 17039, Start Num: 59
Candidate Starts for Eidsmoe_25:
(Start: 59 @16644 has 322 MA's), (71, 16716), (80, 16755), (96, 16857), (99, 16866), (121, 16962), (127, 16980), (130, 16995),

Gene: Ejemplo_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Ejemplo_16:
(Start: 61 @10930 has 110 MA's), (119, 11179),

Gene: ElGato_17 Start: 10574, Stop: 10897, Start Num: 61
Candidate Starts for ElGato_17:
(30, 10469), (34, 10475), (Start: 61 @10574 has 110 MA's), (103, 10757), (123, 10841),

Gene: ElTiger69_21 Start: 14288, Stop: 14668, Start Num: 59
Candidate Starts for ElTiger69_21:
(Start: 26 @14186 has 1 MA's), (Start: 48 @14225 has 41 MA's), (Start: 59 @14288 has 322 MA's), (83, 14423), (89, 14444), (94, 14480), (105, 14516), (123, 14594), (130, 14621), (134, 14636),

Gene: Elephantoon_25 Start: 16235, Stop: 16633, Start Num: 59
Candidate Starts for Elephantoon_25:
(Start: 59 @16235 has 322 MA's), (65, 16274), (71, 16307), (77, 16340), (80, 16349), (83, 16373), (99, 16460), (121, 16556), (123, 16562), (125, 16568), (130, 16589),

Gene: Elle_24 Start: 14622, Stop: 14999, Start Num: 59
Candidate Starts for Elle_24:

(Start: 59 @14622 has 322 MA's), (68, 14685), (127, 14940), (130, 14955), (134, 14970),

Gene: Emaanora_18 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Emaanora_18:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: EmyBug_25 Start: 16644, Stop: 17039, Start Num: 59
Candidate Starts for EmyBug_25:
(Start: 59 @16644 has 322 MA's), (71, 16716), (80, 16755), (96, 16857), (99, 16866), (121, 16962), (127, 16980), (130, 16995),

Gene: EnochSoames_17 Start: 11109, Stop: 11432, Start Num: 61
Candidate Starts for EnochSoames_17:
(Start: 61 @11109 has 110 MA's), (134, 11418),

Gene: EnzoK_23 Start: 15766, Stop: 16143, Start Num: 60
Candidate Starts for EnzoK_23:
(Start: 38 @15667 has 24 MA's), (Start: 60 @15766 has 202 MA's), (69, 15835), (74, 15859), (77, 15874), (78, 15877), (81, 15895), (117, 16045), (134, 16114),

Gene: EpicPhail_26 Start: 15120, Stop: 15581, Start Num: 48
Candidate Starts for EpicPhail_26:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Epsocamisio_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for Epsocamisio_26:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Equemioh13_26 Start: 16296, Stop: 16700, Start Num: 59
Candidate Starts for Equemioh13_26:
(54, 16269), (Start: 59 @16296 has 322 MA's), (63, 16323), (72, 16380), (105, 16539), (106, 16548), (127, 16641), (130, 16656),

Gene: EricB_27 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for EricB_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Erik_19 Start: 11348, Stop: 11698, Start Num: 57
Candidate Starts for Erik_19:
(Start: 57 @11348 has 289 MA's), (84, 11486), (86, 11492), (100, 11543), (125, 11648), (127, 11654), (134, 11684),

Gene: Eris_88 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Eris_88:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Eros_24 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Eros_24:

(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Esperer_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Esperer_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: Espica_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Espica_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Espresso_22 Start: 15638, Stop: 16015, Start Num: 60
Candidate Starts for Espresso_22:
(Start: 60 @15638 has 202 MA's), (69, 15707), (74, 15731), (77, 15746), (78, 15749), (117, 15917),

Gene: Et2Brutus_23 Start: 16365, Stop: 16760, Start Num: 59
Candidate Starts for Et2Brutus_23:
(Start: 59 @16365 has 322 MA's), (71, 16437), (74, 16455), (86, 16512), (102, 16590), (121, 16683),

Gene: EtoileNova_24 Start: 15251, Stop: 15634, Start Num: 57
Candidate Starts for EtoileNova_24:
(41, 15167), (Start: 57 @15251 has 289 MA's), (75, 15344), (89, 15410), (91, 15419), (94, 15446), (106, 15491), (119, 15545), (123, 15563), (130, 15590),

Gene: Euphoria_22 Start: 15528, Stop: 15905, Start Num: 60
Candidate Starts for Euphoria_22:
(Start: 60 @15528 has 202 MA's), (69, 15597), (74, 15621), (77, 15636), (78, 15639), (117, 15807),

Gene: Eurydice_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Eurydice_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: EvilGenius_26 Start: 16210, Stop: 16617, Start Num: 59
Candidate Starts for EvilGenius_26:
(Start: 59 @16210 has 322 MA's), (72, 16294), (95, 16423), (106, 16465), (113, 16498), (127, 16558), (130, 16573),

Gene: Expelliarmus_19 Start: 13719, Stop: 14084, Start Num: 59
Candidate Starts for Expelliarmus_19:
(Start: 59 @13719 has 322 MA's), (67, 13779), (71, 13791), (88, 13875), (89, 13878), (94, 13914), (102, 13938), (125, 14034),

Gene: ExplosioNervosa_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for ExplosioNervosa_25:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: Eyeball_22 Start: 15344, Stop: 15721, Start Num: 60
Candidate Starts for Eyeball_22:
(Start: 60 @15344 has 202 MA's), (81, 15473), (83, 15485), (105, 15575), (134, 15692),

Gene: Fajezeel_24 Start: 15863, Stop: 16240, Start Num: 60
Candidate Starts for Fajezeel_24:

(Start: 60 @15863 has 202 MA's), (69, 15932), (74, 15956), (77, 15971), (78, 15974), (81, 15992), (117, 16142),

Gene: Fameo_24 Start: 15843, Stop: 16250, Start Num: 59
Candidate Starts for Fameo_24:
(Start: 36 @15750 has 2 MA's), (Start: 59 @15843 has 322 MA's), (72, 15927), (95, 16056), (106, 16098), (113, 16131), (127, 16191), (130, 16206),

Gene: Farber_25 Start: 15113, Stop: 15574, Start Num: 48
Candidate Starts for Farber_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Fascinus_21 Start: 15286, Stop: 15663, Start Num: 60
Candidate Starts for Fascinus_21:
(Start: 60 @15286 has 202 MA's), (78, 15397), (83, 15427), (105, 15517),

Gene: FatCactus_22 Start: 13867, Stop: 14262, Start Num: 59
Candidate Starts for FatCactus_22:
(43, 13786), (Start: 59 @13867 has 322 MA's), (70, 13936), (94, 14068), (127, 14203),

Gene: Fayely_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Fayely_25:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: Fenn_23 Start: 17090, Stop: 17461, Start Num: 60
Candidate Starts for Fenn_23:
(Start: 38 @16991 has 24 MA's), (Start: 60 @17090 has 202 MA's), (69, 17159), (78, 17201), (84, 17234), (121, 17384), (126, 17399), (127, 17402), (128, 17405),

Gene: Fernando_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for Fernando_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: Fibonacci_24 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Fibonacci_24:
(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: FiringLine_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for FiringLine_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (113, 16013), (127, 16073), (130, 16088),

Gene: First_0025 Start: 15760, Stop: 16230, Start Num: 48
Candidate Starts for First_0025:
(Start: 39 @15733 has 3 MA's), (Start: 48 @15760 has 41 MA's), (Start: 59 @15823 has 322 MA's), (63, 15850), (72, 15907), (95, 16036), (106, 16078), (114, 16114), (116, 16123), (127, 16171), (130, 16186),

Gene: Flare16_24 Start: 15854, Stop: 16258, Start Num: 59

Candidate Starts for Flare16_24:
(54, 15827), (Start: 59 @15854 has 322 MA's), (63, 15881), (72, 15938), (105, 16097), (106, 16106), (127, 16199), (130, 16214),

Gene: Flaverint_24 Start: 16356, Stop: 16751, Start Num: 59
Candidate Starts for Flaverint_24:
(Start: 59 @16356 has 322 MA's), (71, 16428), (74, 16446), (86, 16503), (102, 16581), (121, 16674),

Gene: Florean_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Florean_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Florence1_20 Start: 14234, Stop: 14614, Start Num: 59
Candidate Starts for Florence1_20:
(Start: 59 @14234 has 322 MA's), (67, 14291), (80, 14345), (83, 14369), (89, 14390), (92, 14399), (94, 14426), (101, 14447), (105, 14462), (110, 14483), (111, 14495), (121, 14534), (130, 14567), (135, 14594),

Gene: Florence4_21 Start: 14234, Stop: 14614, Start Num: 59
Candidate Starts for Florence4_21:
(Start: 59 @14234 has 322 MA's), (67, 14291), (80, 14345), (83, 14369), (89, 14390), (92, 14399), (94, 14426), (101, 14447), (105, 14462), (110, 14483), (111, 14495), (121, 14534), (130, 14567), (135, 14594),

Gene: Flux_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Flux_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: FlyCatcher_27 Start: 16763, Stop: 17128, Start Num: 59
Candidate Starts for FlyCatcher_27:
(Start: 59 @16763 has 322 MA's), (68, 16826), (82, 16898), (114, 17027), (116, 17036), (124, 17075), (130, 17099), (134, 17114),

Gene: ForGetIt_20 Start: 14296, Stop: 14676, Start Num: 59
Candidate Starts for ForGetIt_20:
(Start: 59 @14296 has 322 MA's), (67, 14353), (69, 14359), (80, 14407), (83, 14431), (89, 14452), (92, 14461), (94, 14488), (101, 14509), (105, 14524), (110, 14545), (111, 14557), (130, 14629), (135, 14656),

Gene: ForesterFrank_26 Start: 17318, Stop: 17722, Start Num: 59
Candidate Starts for ForesterFrank_26:
(Start: 59 @17318 has 322 MA's), (72, 17402), (83, 17456), (89, 17477), (101, 17546), (105, 17561), (106, 17570), (127, 17663), (130, 17678),

Gene: Forsytheast_22 Start: 15552, Stop: 15929, Start Num: 60
Candidate Starts for Forsytheast_22:
(Start: 38 @15453 has 24 MA's), (Start: 60 @15552 has 202 MA's), (69, 15621), (74, 15645), (77, 15660), (78, 15663), (117, 15831),

Gene: Francis47_22 Start: 16091, Stop: 16468, Start Num: 60
Candidate Starts for Francis47_22:
(Start: 60 @16091 has 202 MA's), (78, 16202), (102, 16310), (105, 16322), (121, 16391),

Gene: Fred313_23 Start: 14443, Stop: 14826, Start Num: 57
Candidate Starts for Fred313_23:
(1, 14125), (2, 14131), (7, 14200), (Start: 23 @14329 has 2 MA's), (Start: 48 @14377 has 41 MA's), (Start: 57 @14443 has 289 MA's), (75, 14536), (89, 14602), (91, 14611), (94, 14638), (106, 14683), (119, 14737), (123, 14755), (127, 14767), (130, 14782),

Gene: Froghopper_23 Start: 15416, Stop: 15892, Start Num: 38
Candidate Starts for Froghopper_23:
(Start: 38 @15416 has 24 MA's), (Start: 60 @15515 has 202 MA's), (69, 15584), (74, 15608), (77, 15623), (78, 15626), (81, 15644), (117, 15794),

Gene: Funston_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Funston_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Fushigi_23 Start: 15963, Stop: 16340, Start Num: 60
Candidate Starts for Fushigi_23:
(Start: 60 @15963 has 202 MA's), (81, 16092), (83, 16104), (105, 16194), (134, 16311),

Gene: GMonster_21 Start: 15383, Stop: 15760, Start Num: 60
Candidate Starts for GMonster_21:
(Start: 60 @15383 has 202 MA's), (69, 15452), (74, 15476), (77, 15491), (78, 15494), (117, 15662),

Gene: Gachnar_22 Start: 15574, Stop: 15951, Start Num: 60
Candidate Starts for Gachnar_22:
(Start: 60 @15574 has 202 MA's), (69, 15643), (74, 15667), (77, 15682), (78, 15685), (81, 15703), (117, 15853),

Gene: Gadost_23 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for Gadost_23:
(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (102, 15315), (125, 15408), (127, 15414),

Gene: GageAP_24 Start: 16264, Stop: 16641, Start Num: 60
Candidate Starts for GageAP_24:
(Start: 60 @16264 has 202 MA's), (69, 16333), (74, 16357), (77, 16372), (78, 16375), (81, 16393), (117, 16543), (134, 16612),

Gene: Gail_23 Start: 14916, Stop: 15317, Start Num: 59
Candidate Starts for Gail_23:
(15, 14760), (Start: 26 @14808 has 1 MA's), (Start: 39 @14823 has 3 MA's), (Start: 48 @14850 has 41 MA's), (Start: 59 @14916 has 322 MA's), (63, 14943), (76, 15012), (83, 15054), (93, 15096), (113, 15201),

Gene: Gandalf20_23 Start: 16391, Stop: 16768, Start Num: 60
Candidate Starts for Gandalf20_23:
(Start: 60 @16391 has 202 MA's), (69, 16460), (74, 16484), (77, 16499), (78, 16502), (117, 16670),

Gene: Garak_28 Start: 15920, Stop: 16324, Start Num: 59
Candidate Starts for Garak_28:
(Start: 26 @15815 has 1 MA's), (Start: 39 @15830 has 3 MA's), (Start: 48 @15857 has 41 MA's), (Start: 59 @15920 has 322 MA's), (83, 16058), (89, 16079), (104, 16160), (106, 16172), (127, 16265), (130, 16280),

Gene: GaugeLDP_26 Start: 17092, Stop: 17496, Start Num: 59
Candidate Starts for GaugeLDP_26:
(41, 17005), (Start: 59 @17092 has 322 MA's), (63, 17119), (68, 17155), (72, 17176), (83, 17230), (94, 17299), (95, 17302), (106, 17344), (127, 17437), (130, 17452),

Gene: Gemma_25 Start: 15257, Stop: 15655, Start Num: 57
Candidate Starts for Gemma_25:
(Start: 48 @15194 has 41 MA's), (Start: 57 @15257 has 289 MA's), (75, 15350), (77, 15362), (99, 15482), (102, 15491), (106, 15512), (116, 15554), (121, 15578), (123, 15584), (130, 15611),

Gene: George_19 Start: 14446, Stop: 14826, Start Num: 59
Candidate Starts for George_19:
(Start: 59 @14446 has 322 MA's), (66, 14485), (67, 14503), (80, 14557), (83, 14581), (89, 14602), (92, 14611), (94, 14638), (101, 14659), (105, 14674), (110, 14695), (111, 14707), (121, 14746), (130, 14779), (135, 14806),

Gene: Georgie2_25 Start: 15716, Stop: 16123, Start Num: 59
Candidate Starts for Georgie2_25:
(8, 15482), (12, 15509), (Start: 26 @15614 has 1 MA's), (Start: 59 @15716 has 322 MA's), (63, 15743), (68, 15779), (72, 15800), (106, 15971), (113, 16004), (127, 16064), (130, 16079),

Gene: Ghoulboy_20 Start: 14551, Stop: 14931, Start Num: 59
Candidate Starts for Ghoulboy_20:
(54, 14521), (Start: 59 @14551 has 322 MA's), (80, 14662), (89, 14707), (94, 14743), (105, 14779), (110, 14800), (122, 14854), (124, 14860), (130, 14884), (135, 14911),

Gene: Gilberta_24 Start: 16353, Stop: 16748, Start Num: 59
Candidate Starts for Gilberta_24:
(Start: 59 @16353 has 322 MA's), (71, 16425), (74, 16443), (86, 16500), (102, 16578), (109, 16608), (121, 16671),

Gene: GingkoMaracino_25 Start: 15069, Stop: 15467, Start Num: 57
Candidate Starts for GingkoMaracino_25:
(Start: 48 @15006 has 41 MA's), (Start: 57 @15069 has 289 MA's), (75, 15162), (77, 15174), (83, 15207), (87, 15219), (99, 15294), (102, 15303), (106, 15324), (116, 15366), (123, 15396), (130, 15423),

Gene: GirlDinner_16 Start: 10769, Stop: 11110, Start Num: 61
Candidate Starts for GirlDinner_16:
(55, 10751), (Start: 61 @10769 has 110 MA's), (89, 10925), (134, 11081),

Gene: Giroux_24 Start: 14698, Stop: 15081, Start Num: 57
Candidate Starts for Giroux_24:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: Gladiator_27 Start: 15897, Stop: 16301, Start Num: 59
Candidate Starts for Gladiator_27:
(Start: 48 @15834 has 41 MA's), (Start: 59 @15897 has 322 MA's), (83, 16035), (89, 16056), (94, 16104), (104, 16137), (106, 16149), (127, 16242),

Gene: Goby_16 Start: 10936, Stop: 11259, Start Num: 61

Candidate Starts for Goby_16:
(Start: 61 @10936 has 110 MA's), (119, 11185), (134, 11245),

Gene: Godpower_17 Start: 10948, Stop: 11271, Start Num: 61
Candidate Starts for Godpower_17:
(Start: 61 @10948 has 110 MA's), (119, 11197), (134, 11257),

Gene: Gollum_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Gollum_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Gompeii16_22 Start: 16039, Stop: 16416, Start Num: 60
Candidate Starts for Gompeii16_22:
(Start: 60 @16039 has 202 MA's), (78, 16150), (102, 16258), (105, 16270), (121, 16339),

Gene: Goose_23 Start: 14910, Stop: 15278, Start Num: 57
Candidate Starts for Goose_23:
(Start: 57 @14910 has 289 MA's), (67, 14970), (69, 14976), (74, 15000), (83, 15048), (102, 15120), (105, 15132), (125, 15213),

Gene: Goose1D_23 Start: 13953, Stop: 14336, Start Num: 57
Candidate Starts for Goose1D_23:
(Start: 23 @13839 has 2 MA's), (Start: 48 @13887 has 41 MA's), (Start: 57 @13953 has 289 MA's), (75, 14046), (89, 14112), (91, 14121), (94, 14148), (106, 14193), (123, 14265), (127, 14277), (130, 14292),

Gene: Goose1X_23 Start: 13959, Stop: 14408, Start Num: 48
Candidate Starts for Goose1X_23:
(Start: 23 @13911 has 2 MA's), (Start: 48 @13959 has 41 MA's), (Start: 57 @14025 has 289 MA's), (75, 14118), (89, 14184), (91, 14193), (94, 14220), (106, 14265), (123, 14337), (127, 14349), (130, 14364),

Gene: Graduation_24 Start: 16297, Stop: 16674, Start Num: 60
Candidate Starts for Graduation_24:
(45, 16210), (Start: 60 @16297 has 202 MA's), (69, 16366), (74, 16390), (77, 16405), (78, 16408), (117, 16576),

Gene: Gratitude_26 Start: 16296, Stop: 16700, Start Num: 59
Candidate Starts for Gratitude_26:
(54, 16269), (Start: 59 @16296 has 322 MA's), (63, 16323), (72, 16380), (105, 16539), (106, 16548), (127, 16641), (130, 16656),

Gene: GrecoEtereo_23 Start: 15840, Stop: 16217, Start Num: 60
Candidate Starts for GrecoEtereo_23:
(54, 15807), (Start: 60 @15840 has 202 MA's), (69, 15909), (74, 15933), (77, 15948), (78, 15951), (117, 16119),

Gene: GreedyLawyer_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for GreedyLawyer_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: GreenWeasel_18 Start: 11140, Stop: 11469, Start Num: 61
Candidate Starts for GreenWeasel_18:
(33, 11038), (Start: 61 @11140 has 110 MA's), (110, 11353), (119, 11395), (123, 11413),

Gene: Greg_24 Start: 15863, Stop: 16240, Start Num: 60
Candidate Starts for Greg_24:
(Start: 60 @15863 has 202 MA's), (69, 15932), (74, 15956), (77, 15971), (78, 15974), (81, 15992), (117, 16142),

Gene: Grif_25 Start: 15266, Stop: 15664, Start Num: 57
Candidate Starts for Grif_25:
(Start: 48 @15203 has 41 MA's), (Start: 57 @15266 has 289 MA's), (75, 15359), (77, 15371), (83, 15404), (87, 15416), (99, 15491), (102, 15500), (106, 15521), (116, 15563), (123, 15593), (130, 15620),

Gene: GroundGoblin_23 Start: 16384, Stop: 16761, Start Num: 60
Candidate Starts for GroundGoblin_23:
(Start: 38 @16285 has 24 MA's), (Start: 60 @16384 has 202 MA's), (69, 16453), (74, 16477), (77, 16492), (78, 16495), (117, 16663),

Gene: Groundhog_19 Start: 13720, Stop: 14085, Start Num: 59
Candidate Starts for Groundhog_19:
(Start: 59 @13720 has 322 MA's), (67, 13780), (71, 13792), (88, 13876), (89, 13879), (94, 13915), (102, 13939), (125, 14035),

Gene: Groupthink_26 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Groupthink_26:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Grub_25 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for Grub_25:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: Grum1_25 Start: 15176, Stop: 15574, Start Num: 57
Candidate Starts for Grum1_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Gruunaga_27 Start: 15897, Stop: 16301, Start Num: 59
Candidate Starts for Gruunaga_27:
(Start: 48 @15834 has 41 MA's), (Start: 59 @15897 has 322 MA's), (83, 16035), (89, 16056), (94, 16104), (104, 16137), (106, 16149), (127, 16242),

Gene: GtownJaz_25 Start: 15184, Stop: 15582, Start Num: 57
Candidate Starts for GtownJaz_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: Gwendoluna_24 Start: 17059, Stop: 17445, Start Num: 60
Candidate Starts for Gwendoluna_24:
(Start: 27 @16945 has 1 MA's), (Start: 38 @16960 has 24 MA's), (Start: 60 @17059 has 202 MA's), (77, 17167), (88, 17218), (91, 17230), (94, 17263), (106, 17308), (127, 17386), (130, 17401), (134, 17416),

Gene: Gwennie_25 Start: 15183, Stop: 15581, Start Num: 57
Candidate Starts for Gwennie_25:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Gyzlar_24 Start: 16789, Stop: 17166, Start Num: 60
Candidate Starts for Gyzlar_24:
(Start: 38 @16690 has 24 MA's), (Start: 60 @16789 has 202 MA's), (69, 16858), (74, 16882), (77, 16897), (78, 16900), (117, 17068),

Gene: HINdeR_23 Start: 16577, Stop: 16939, Start Num: 59
Candidate Starts for HINdeR_23:
(Start: 59 @16577 has 322 MA's), (67, 16637), (114, 16841), (116, 16850), (124, 16886), (130, 16910), (134, 16925),

Gene: Haizum_16 Start: 10836, Stop: 11177, Start Num: 61
Candidate Starts for Haizum_16:
(19, 10698), (Start: 61 @10836 has 110 MA's), (84, 10974), (103, 11022), (110, 11046), (134, 11148),

Gene: HamSlice_22 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for HamSlice_22:
(Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: Hami1_24 Start: 15935, Stop: 16312, Start Num: 60
Candidate Starts for Hami1_24:
(Start: 60 @15935 has 202 MA's), (69, 16004), (74, 16028), (77, 16043), (78, 16046), (81, 16064), (117, 16214),

Gene: Hammer_28 Start: 15849, Stop: 16316, Start Num: 48
Candidate Starts for Hammer_28:
(Start: 48 @15849 has 41 MA's), (Start: 59 @15912 has 322 MA's), (83, 16050), (89, 16071), (94, 16119), (104, 16152), (106, 16164), (127, 16257),

Gene: HanShotFirst_22 Start: 15469, Stop: 15846, Start Num: 60
Candidate Starts for HanShotFirst_22:
(55, 15451), (Start: 60 @15469 has 202 MA's), (69, 15538), (74, 15562), (77, 15577), (78, 15580), (81, 15598), (117, 15748),

Gene: Hank144_17 Start: 11071, Stop: 11412, Start Num: 61
Candidate Starts for Hank144_17:
(55, 11053), (Start: 61 @11071 has 110 MA's), (89, 11227), (134, 11383),

Gene: Hanray_25 Start: 16618, Stop: 17013, Start Num: 59
Candidate Starts for Hanray_25:
(Start: 59 @16618 has 322 MA's), (71, 16690), (80, 16729), (96, 16831), (99, 16840), (121, 16936), (127, 16954), (130, 16969),

Gene: Happiness_23 Start: 15104, Stop: 15475, Start Num: 57
Candidate Starts for Happiness_23:
(Start: 57 @15104 has 289 MA's), (69, 15170), (75, 15197), (102, 15317), (125, 15410), (127, 15416),

Gene: Harlequin_19 Start: 11299, Stop: 11649, Start Num: 57
Candidate Starts for Harlequin_19:
(Start: 57 @11299 has 289 MA's), (84, 11437), (86, 11443), (100, 11494), (110, 11533), (125, 11599), (127, 11605), (134, 11635),

Gene: HarryHoudini_26 Start: 16313, Stop: 16717, Start Num: 59
Candidate Starts for HarryHoudini_26:
(Start: 59 @16313 has 322 MA's), (72, 16397), (105, 16556), (106, 16565), (127, 16658), (130, 16673),

Gene: HarryOW_23 Start: 15740, Stop: 16291, Start Num: 14
Candidate Starts for HarryOW_23:
(Start: 14 @15740 has 1 MA's), (Start: 38 @15815 has 24 MA's), (Start: 60 @15914 has 202 MA's), (81, 16043), (83, 16055), (105, 16145), (134, 16262),

Gene: HashRod_26 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for HashRod_26:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: HaveUMetTed_26 Start: 15254, Stop: 15652, Start Num: 57
Candidate Starts for HaveUMetTed_26:
(Start: 57 @15254 has 289 MA's), (71, 15326), (75, 15347), (77, 15359), (99, 15479), (102, 15488), (106, 15509), (116, 15551), (121, 15575), (123, 15581), (130, 15608),

Gene: Heathen_23 Start: 14433, Stop: 14882, Start Num: 48
Candidate Starts for Heathen_23:
(Start: 23 @14385 has 2 MA's), (Start: 48 @14433 has 41 MA's), (Start: 57 @14499 has 289 MA's), (75, 14592), (89, 14658), (91, 14667), (94, 14694), (106, 14739), (123, 14811), (127, 14823), (130, 14838),

Gene: Heffalump_27 Start: 17645, Stop: 18052, Start Num: 59
Candidate Starts for Heffalump_27:
(Start: 36 @17552 has 2 MA's), (Start: 59 @17645 has 322 MA's), (72, 17729), (95, 17858), (106, 17900), (113, 17933), (127, 17993), (130, 18008),

Gene: HelDan_23 Start: 14637, Stop: 15134, Start Num: 23
Candidate Starts for HelDan_23:
(Start: 23 @14637 has 2 MA's), (Start: 48 @14685 has 41 MA's), (Start: 57 @14751 has 289 MA's), (75, 14844), (89, 14910), (91, 14919), (94, 14946), (106, 14991), (123, 15063), (127, 15075), (130, 15090),

Gene: Heliosoles_25 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Heliosoles_25:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Helmet_27 Start: 15920, Stop: 16324, Start Num: 59
Candidate Starts for Helmet_27:

(Start: 26 @15815 has 1 MA's), (Start: 39 @15830 has 3 MA's), (Start: 48 @15857 has 41 MA's), (Start: 59 @15920 has 322 MA's), (83, 16058), (89, 16079), (104, 16160), (106, 16172), (127, 16265), (130, 16280),

Gene: Herbertwm_21 Start: 14510, Stop: 14914, Start Num: 59
Candidate Starts for Herbertwm_21:
(Start: 59 @14510 has 322 MA's), (68, 14573), (80, 14624), (109, 14771),

Gene: Hercules11_25 Start: 15190, Stop: 15588, Start Num: 57
Candidate Starts for Hercules11_25:
(Start: 48 @15127 has 41 MA's), (Start: 57 @15190 has 289 MA's), (75, 15283), (77, 15295), (83, 15328), (87, 15340), (99, 15415), (102, 15424), (106, 15445), (116, 15487), (123, 15517), (130, 15544),

Gene: Hermia_24 Start: 16576, Stop: 16953, Start Num: 60
Candidate Starts for Hermia_24:
(Start: 38 @16477 has 24 MA's), (Start: 60 @16576 has 202 MA's), (69, 16645), (74, 16669), (77, 16684), (78, 16687), (117, 16855),

Gene: HermioneGrange_22 Start: 15389, Stop: 15865, Start Num: 38
Candidate Starts for HermioneGrange_22:
(Start: 38 @15389 has 24 MA's), (Start: 60 @15488 has 202 MA's), (81, 15617), (83, 15629), (105, 15719), (134, 15836),

Gene: Hexamo_27 Start: 15879, Stop: 16283, Start Num: 59
Candidate Starts for Hexamo_27:
(Start: 48 @15816 has 41 MA's), (Start: 59 @15879 has 322 MA's), (83, 16017), (89, 16038), (94, 16086), (104, 16119), (106, 16131), (127, 16224),

Gene: Hippo_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Hippo_16:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: HippoHollow_25 Start: 17563, Stop: 17970, Start Num: 59
Candidate Starts for HippoHollow_25:
(Start: 59 @17563 has 322 MA's), (63, 17590), (67, 17623), (72, 17647), (95, 17776), (106, 17818), (127, 17911), (130, 17926),

Gene: Hiro_19 Start: 11293, Stop: 11643, Start Num: 57
Candidate Starts for Hiro_19:
(Start: 57 @11293 has 289 MA's), (100, 11488), (125, 11593), (127, 11599), (134, 11629),

Gene: Holex_25 Start: 16618, Stop: 17013, Start Num: 59
Candidate Starts for Holex_25:
(Start: 59 @16618 has 322 MA's), (71, 16690), (80, 16729), (96, 16831), (99, 16840), (121, 16936), (127, 16954), (130, 16969),

Gene: Holli_24 Start: 14888, Stop: 15259, Start Num: 57
Candidate Starts for Holli_24:
(Start: 57 @14888 has 289 MA's), (69, 14954), (75, 14981), (102, 15101), (125, 15194), (127, 15200),

Gene: Homines_22 Start: 15639, Stop: 16010, Start Num: 60
Candidate Starts for Homines_22:

(Start: 14 @15465 has 1 MA's), (Start: 38 @15540 has 24 MA's), (Start: 60 @15639 has 202 MA's), (69, 15708), (78, 15750), (84, 15783), (121, 15933), (126, 15948), (127, 15951), (128, 15954),

Gene: Hookmount_24 Start: 15248, Stop: 15631, Start Num: 57
Candidate Starts for Hookmount_24:
(41, 15164), (Start: 57 @15248 has 289 MA's), (75, 15341), (89, 15407), (91, 15416), (94, 15443), (106, 15488), (119, 15542), (123, 15560), (130, 15587),

Gene: Hoot_27 Start: 15901, Stop: 16305, Start Num: 59
Candidate Starts for Hoot_27:
(Start: 48 @15838 has 41 MA's), (Start: 59 @15901 has 322 MA's), (83, 16039), (89, 16060), (104, 16141), (106, 16153), (127, 16246), (130, 16261),

Gene: Hope4ever_22 Start: 15953, Stop: 16330, Start Num: 60
Candidate Starts for Hope4ever_22:
(Start: 26 @15842 has 1 MA's), (Start: 32 @15848 has 1 MA's), (42, 15863), (51, 15917), (Start: 60 @15953 has 202 MA's), (78, 16064), (102, 16172), (105, 16184), (121, 16253),

Gene: HortumSL17_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for HortumSL17_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Houdini22_23 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for Houdini22_23:
(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (125, 15408), (127, 15414),

Gene: HuhtaEnerson15_20 Start: 14446, Stop: 14826, Start Num: 59
Candidate Starts for HuhtaEnerson15_20:
(Start: 59 @14446 has 322 MA's), (66, 14485), (67, 14503), (80, 14557), (83, 14581), (89, 14602), (92, 14611), (94, 14638), (101, 14659), (105, 14674), (110, 14695), (111, 14707), (121, 14746), (130, 14779), (135, 14806),

Gene: Hutc2_24 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Hutc2_24:
(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: Huxley_23 Start: 15162, Stop: 15533, Start Num: 57
Candidate Starts for Huxley_23:
(Start: 57 @15162 has 289 MA's), (69, 15228), (75, 15255), (102, 15375), (125, 15468), (127, 15474),

Gene: Hydra_18 Start: 11478, Stop: 11801, Start Num: 61
Candidate Starts for Hydra_18:
(Start: 61 @11478 has 110 MA's), (119, 11727), (134, 11787),

Gene: ICleared_23 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for ICleared_23:
(Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: ILeeKay_24 Start: 15715, Stop: 16092, Start Num: 60
Candidate Starts for ILeeKay_24:
(Start: 60 @15715 has 202 MA's), (78, 15826), (102, 15934), (105, 15946), (121, 16015),

Gene: Iceman_24 Start: 15387, Stop: 15758, Start Num: 57
Candidate Starts for Iceman_24:
(Start: 57 @15387 has 289 MA's), (69, 15453), (75, 15480), (102, 15600), (125, 15693), (127, 15699),

Gene: Ichabod_23 Start: 15567, Stop: 15938, Start Num: 60
Candidate Starts for Ichabod_23:
(Start: 60 @15567 has 202 MA's), (69, 15636), (78, 15678), (84, 15711), (121, 15861), (126, 15876), (127, 15879), (128, 15882),

Gene: Idleandcovert_24 Start: 14632, Stop: 15081, Start Num: 48
Candidate Starts for Idleandcovert_24:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: IgnatiusPatJac_21 Start: 15550, Stop: 15927, Start Num: 60
Candidate Starts for IgnatiusPatJac_21:
(Start: 60 @15550 has 202 MA's), (69, 15619), (74, 15643), (77, 15658), (78, 15661), (81, 15679), (117, 15829),

Gene: Imbriano_27 Start: 15925, Stop: 16326, Start Num: 59
Candidate Starts for Imbriano_27:
(Start: 26 @15820 has 1 MA's), (Start: 39 @15835 has 3 MA's), (Start: 48 @15862 has 41 MA's), (Start: 59 @15925 has 322 MA's), (83, 16063), (89, 16084), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: Indigo_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Indigo_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: Indra_27 Start: 15861, Stop: 16328, Start Num: 48
Candidate Starts for Indra_27:
(Start: 48 @15861 has 41 MA's), (Start: 59 @15924 has 322 MA's), (83, 16062), (89, 16083), (94, 16131), (104, 16164), (106, 16176), (127, 16269),

Gene: Insomnia_24 Start: 16414, Stop: 16809, Start Num: 59
Candidate Starts for Insomnia_24:
(Start: 59 @16414 has 322 MA's), (71, 16486), (74, 16504), (86, 16561), (102, 16639), (121, 16732),

Gene: Inyanga_21 Start: 15327, Stop: 15704, Start Num: 60
Candidate Starts for Inyanga_21:
(28, 15213), (Start: 48 @15255 has 41 MA's), (Start: 60 @15327 has 202 MA's), (69, 15396), (74, 15420), (77, 15435), (78, 15438), (81, 15456), (117, 15606),

Gene: Iqorha_21 Start: 15326, Stop: 15703, Start Num: 60
Candidate Starts for Iqorha_21:
(28, 15212), (Start: 48 @15254 has 41 MA's), (Start: 60 @15326 has 202 MA's), (69, 15395), (74, 15419), (77, 15434), (78, 15437), (81, 15455), (117, 15605),

Gene: Iracema64_24 Start: 15409, Stop: 15780, Start Num: 57
Candidate Starts for Iracema64_24:
(Start: 57 @15409 has 289 MA's), (69, 15475), (75, 15502), (102, 15622), (125, 15715), (127, 15721),

Gene: IronMan_26 Start: 17501, Stop: 17899, Start Num: 59
Candidate Starts for IronMan_26:
(3, 17234), (9, 17285), (Start: 26 @17399 has 1 MA's), (Start: 59 @17501 has 322 MA's), (77, 17606), (83, 17639), (98, 17717), (127, 17840),

Gene: Isca_23 Start: 14560, Stop: 15009, Start Num: 48
Candidate Starts for Isca_23:
(Start: 48 @14560 has 41 MA's), (Start: 57 @14626 has 289 MA's), (89, 14785), (91, 14794), (94, 14821), (106, 14866), (123, 14938), (130, 14965),

Gene: Isiphiwo_27 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for Isiphiwo_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Issmi_17 Start: 11089, Stop: 11430, Start Num: 61
Candidate Starts for Issmi_17:
(35, 10990), (37, 10993), (44, 11005), (56, 11071), (Start: 61 @11089 has 110 MA's), (103, 11275), (134, 11401),

Gene: Itza_16 Start: 11214, Stop: 11540, Start Num: 61
Candidate Starts for Itza_16:
(Start: 61 @11214 has 110 MA's), (103, 11400), (119, 11466), (123, 11484), (134, 11526),

Gene: Iwokeuplikedis_25 Start: 15798, Stop: 16199, Start Num: 59
Candidate Starts for Iwokeuplikedis_25:
(Start: 59 @15798 has 322 MA's), (63, 15825), (78, 15906), (95, 16008), (106, 16050), (123, 16128), (130, 16155),

Gene: Izzy_17 Start: 11160, Stop: 11483, Start Num: 61
Candidate Starts for Izzy_17:
(Start: 61 @11160 has 110 MA's), (134, 11469),

Gene: JC27_25 Start: 16451, Stop: 16828, Start Num: 60
Candidate Starts for JC27_25:
(Start: 60 @16451 has 202 MA's), (78, 16562), (102, 16670), (105, 16682), (121, 16751),

Gene: JF2_23 Start: 14311, Stop: 14760, Start Num: 48
Candidate Starts for JF2_23:
(Start: 48 @14311 has 41 MA's), (Start: 57 @14377 has 289 MA's), (89, 14536), (91, 14545), (94, 14572), (106, 14617), (123, 14689), (130, 14716),

Gene: JF4_23 Start: 14311, Stop: 14760, Start Num: 48
Candidate Starts for JF4_23:
(Start: 48 @14311 has 41 MA's), (Start: 57 @14377 has 289 MA's), (89, 14536), (91, 14545), (94, 14572), (106, 14617), (123, 14689), (130, 14716),

Gene: JHC117_25 Start: 15181, Stop: 15579, Start Num: 57
Candidate Starts for JHC117_25:
(Start: 48 @15118 has 41 MA's), (Start: 57 @15181 has 289 MA's), (75, 15274), (77, 15286), (83, 15319), (87, 15331), (99, 15406), (102, 15415), (106, 15436), (116, 15478), (123, 15508), (130, 15535),

Gene: JSwag_26 Start: 14934, Stop: 15317, Start Num: 59
Candidate Starts for JSwag_26:
(54, 14904), (Start: 59 @14934 has 322 MA's), (120, 15234), (125, 15252), (127, 15258), (134, 15288),

Gene: Jaan_27 Start: 17899, Stop: 18297, Start Num: 59
Candidate Starts for Jaan_27:
(3, 17632), (9, 17683), (Start: 26 @17797 has 1 MA's), (Start: 59 @17899 has 322 MA's), (77, 18004), (127, 18238), (128, 18241),

Gene: Jabiru_20 Start: 14338, Stop: 14718, Start Num: 59
Candidate Starts for Jabiru_20:
(Start: 26 @14236 has 1 MA's), (Start: 48 @14275 has 41 MA's), (Start: 59 @14338 has 322 MA's), (83, 14473), (89, 14494), (94, 14530), (105, 14566), (123, 14644), (130, 14671), (134, 14686),

Gene: Jabith_24 Start: 16414, Stop: 16809, Start Num: 59
Candidate Starts for Jabith_24:
(Start: 59 @16414 has 322 MA's), (71, 16486), (74, 16504), (86, 16561), (102, 16639), (121, 16732),

Gene: JackSparrow_23 Start: 15891, Stop: 16268, Start Num: 60
Candidate Starts for JackSparrow_23:
(Start: 60 @15891 has 202 MA's), (81, 16020), (83, 16032), (105, 16122), (134, 16239),

Gene: Janus_17 Start: 11107, Stop: 11448, Start Num: 61
Candidate Starts for Janus_17:
(55, 11089), (Start: 61 @11107 has 110 MA's), (89, 11263), (134, 11419),

Gene: Jash_17 Start: 11113, Stop: 11436, Start Num: 61
Candidate Starts for Jash_17:
(Start: 61 @11113 has 110 MA's), (134, 11422),

Gene: Jasper_23 Start: 15392, Stop: 15769, Start Num: 60
Candidate Starts for Jasper_23:
(Start: 60 @15392 has 202 MA's), (81, 15521), (83, 15533), (105, 15623), (134, 15740),

Gene: Jaykayelowell_23 Start: 15094, Stop: 15465, Start Num: 57
Candidate Starts for Jaykayelowell_23:
(Start: 57 @15094 has 289 MA's), (69, 15160), (75, 15187), (102, 15307), (125, 15400), (127, 15406),

Gene: Jeeves_23 Start: 14942, Stop: 15343, Start Num: 59
Candidate Starts for Jeeves_23:
(Start: 59 @14942 has 322 MA's), (76, 15038), (77, 15047), (83, 15080), (113, 15227), (127, 15284),

Gene: Jeffabunny_27 Start: 15868, Stop: 16335, Start Num: 48
Candidate Starts for Jeffabunny_27:
(Start: 48 @15868 has 41 MA's), (Start: 59 @15931 has 322 MA's), (83, 16069), (89, 16090), (94, 16138), (104, 16171), (106, 16183), (127, 16276),

Gene: JenCasNa_26 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for JenCasNa_26:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: JeppNRM_26 Start: 15259, Stop: 15657, Start Num: 57
Candidate Starts for JeppNRM_26:
(Start: 57 @15259 has 289 MA's), (71, 15331), (75, 15352), (77, 15364), (99, 15484), (102, 15493), (106, 15514), (116, 15556), (121, 15580), (123, 15586), (130, 15613),

Gene: Jerm_26 Start: 16234, Stop: 16641, Start Num: 59
Candidate Starts for Jerm_26:
(Start: 59 @16234 has 322 MA's), (63, 16261), (68, 16297), (72, 16318), (95, 16447), (106, 16489), (113, 16522), (127, 16582), (130, 16597),

Gene: Jerm2_23 Start: 15760, Stop: 16137, Start Num: 60
Candidate Starts for Jerm2_23:
(Start: 38 @15661 has 24 MA's), (Start: 60 @15760 has 202 MA's), (81, 15889), (83, 15901), (102, 15979), (105, 15991), (134, 16108),

Gene: Jester_20 Start: 11293, Stop: 11643, Start Num: 57
Candidate Starts for Jester_20:
(Start: 57 @11293 has 289 MA's), (100, 11488), (125, 11593), (127, 11599), (134, 11629),

Gene: JetBlade_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for JetBlade_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Jevington_18 Start: 11409, Stop: 11750, Start Num: 61
Candidate Starts for Jevington_18:
(56, 11391), (Start: 61 @11409 has 110 MA's), (89, 11565), (119, 11661), (134, 11721),

Gene: JewelBug_27 Start: 15927, Stop: 16331, Start Num: 59
Candidate Starts for JewelBug_27:
(Start: 26 @15822 has 1 MA's), (Start: 39 @15837 has 3 MA's), (Start: 48 @15864 has 41 MA's), (Start: 59 @15927 has 322 MA's), (83, 16065), (89, 16086), (104, 16167), (106, 16179), (127, 16272), (130, 16287), (135, 16314),

Gene: Jhitchelle_15 Start: 10483, Stop: 10806, Start Num: 61
Candidate Starts for Jhitchelle_15:
(Start: 61 @10483 has 110 MA's), (103, 10666), (110, 10690), (119, 10732), (123, 10750),

Gene: Jiawan_25 Start: 16650, Stop: 17045, Start Num: 59
Candidate Starts for Jiawan_25:
(Start: 59 @16650 has 322 MA's), (71, 16722), (80, 16761), (96, 16863), (99, 16872), (121, 16968), (127, 16986), (130, 17001),

Gene: Jobu08_25 Start: 15192, Stop: 15653, Start Num: 48
Candidate Starts for Jobu08_25:
(Start: 48 @15192 has 41 MA's), (Start: 57 @15255 has 289 MA's), (75, 15348), (77, 15360), (83, 15393), (87, 15405), (99, 15480), (102, 15489), (106, 15510), (116, 15552), (123, 15582), (130, 15609),

Gene: JoongJeon_24 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for JoongJeon_24:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Jordennis_27 Start: 15915, Stop: 16316, Start Num: 59

Candidate Starts for Jordennis_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (104, 16152), (106, 16164), (127, 16257), (130, 16272),

Gene: Jorgensen_22 Start: 15347, Stop: 15724, Start Num: 60
Candidate Starts for Jorgensen_22:
(Start: 38 @15248 has 24 MA's), (Start: 60 @15347 has 202 MA's), (78, 15458), (83, 15488), (105, 15578),

Gene: Joselito_24 Start: 16362, Stop: 16757, Start Num: 59
Candidate Starts for Joselito_24:
(Start: 59 @16362 has 322 MA's), (71, 16434), (74, 16452), (86, 16509), (102, 16587), (121, 16680),

Gene: JoshKayV_26 Start: 16204, Stop: 16611, Start Num: 59
Candidate Starts for JoshKayV_26:
(Start: 59 @16204 has 322 MA's), (63, 16231), (68, 16267), (72, 16288), (95, 16417), (106, 16459), (113, 16492), (127, 16552), (130, 16567),

Gene: Journey13_22 Start: 14965, Stop: 15369, Start Num: 59
Candidate Starts for Journey13_22:
(Start: 59 @14965 has 322 MA's), (72, 15049), (83, 15103), (95, 15175), (106, 15217), (130, 15325),

Gene: Jovo_20 Start: 14552, Stop: 14932, Start Num: 59
Candidate Starts for Jovo_20:
(Start: 59 @14552 has 322 MA's), (67, 14609), (69, 14615), (80, 14663), (83, 14687), (89, 14708), (92, 14717), (94, 14744), (101, 14765), (105, 14780), (110, 14801), (111, 14813), (130, 14885), (135, 14912),

Gene: Jsquared_23 Start: 14730, Stop: 15134, Start Num: 59
Candidate Starts for Jsquared_23:
(Start: 59 @14730 has 322 MA's), (72, 14814), (76, 14826), (95, 14940), (116, 15027),

Gene: JuliaChild_24 Start: 16021, Stop: 16398, Start Num: 60
Candidate Starts for JuliaChild_24:
(Start: 38 @15919 has 24 MA's), (Start: 60 @16021 has 202 MA's), (69, 16090), (74, 16114), (77, 16129), (78, 16132), (81, 16150), (117, 16300), (134, 16369),

Gene: Junimo_22 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Junimo_22:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: KADY_27 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for KADY_27:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: KBG_23 Start: 16352, Stop: 16831, Start Num: 36
Candidate Starts for KBG_23:
(Start: 36 @16352 has 2 MA's), (Start: 60 @16454 has 202 MA's), (69, 16523), (74, 16547), (77, 16562), (78, 16565), (117, 16733),

Gene: KFPoly_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for KFPoly_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: KSSJEB_23 Start: 15350, Stop: 15727, Start Num: 60
Candidate Starts for KSSJEB_23:
(Start: 60 @15350 has 202 MA's), (69, 15419), (74, 15443), (77, 15458), (78, 15461), (117, 15629),

Gene: Kachowdy_23 Start: 14751, Stop: 15134, Start Num: 57
Candidate Starts for Kachowdy_23:
(Start: 23 @14637 has 2 MA's), (Start: 48 @14685 has 41 MA's), (Start: 57 @14751 has 289 MA's), (75, 14844), (89, 14910), (91, 14919), (94, 14946), (106, 14991), (123, 15063), (127, 15075), (130, 15090),

Gene: Kaine_16 Start: 10555, Stop: 10878, Start Num: 61
Candidate Starts for Kaine_16:
(Start: 61 @10555 has 110 MA's), (103, 10738), (123, 10822),

Gene: Kalb97_26 Start: 15260, Stop: 15658, Start Num: 57
Candidate Starts for Kalb97_26:
(Start: 48 @15197 has 41 MA's), (Start: 57 @15260 has 289 MA's), (71, 15332), (75, 15353), (77, 15365), (99, 15485), (102, 15494), (106, 15515), (116, 15557), (121, 15581), (123, 15587), (130, 15614),

Gene: Kalnoky_26 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Kalnoky_26:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Kalpine_27 Start: 17586, Stop: 17990, Start Num: 59
Candidate Starts for Kalpine_27:
(Start: 26 @17481 has 1 MA's), (Start: 39 @17496 has 3 MA's), (Start: 48 @17523 has 41 MA's), (Start: 59 @17586 has 322 MA's), (68, 17649), (83, 17724), (87, 17736), (106, 17838), (130, 17946),

Gene: Kampy_23 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for Kampy_23:
(Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: Kanely_23 Start: 16127, Stop: 16504, Start Num: 60
Candidate Starts for Kanely_23:
(Start: 38 @16028 has 24 MA's), (Start: 60 @16127 has 202 MA's), (81, 16256), (83, 16268), (105, 16358), (134, 16475),

Gene: Katalie_17 Start: 11188, Stop: 11511, Start Num: 61
Candidate Starts for Katalie_17:
(Start: 61 @11188 has 110 MA's), (78, 11290), (119, 11437), (134, 11497),

Gene: Katalie136_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Katalie136_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (80, 15212), (83, 15236), (102, 15311), (125, 15404), (127, 15410),

Gene: KatherineG_26 Start: 15070, Stop: 15453, Start Num: 59

Candidate Starts for KatherineG_26:
(54, 15040), (Start: 59 @15070 has 322 MA's), (74, 15160), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: Kazan_27 Start: 15865, Stop: 16332, Start Num: 48
Candidate Starts for Kazan_27:
(Start: 48 @15865 has 41 MA's), (Start: 59 @15928 has 322 MA's), (83, 16066), (89, 16087), (104, 16168), (106, 16180), (127, 16273), (130, 16288),

Gene: KekoraPapaka_22 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for KekoraPapaka_22:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Kenmech_25 Start: 16930, Stop: 17316, Start Num: 60
Candidate Starts for Kenmech_25:
(Start: 60 @16930 has 202 MA's), (77, 17038), (88, 17089), (91, 17101), (94, 17134), (106, 17179), (115, 17212), (127, 17257), (130, 17272), (134, 17287),

Gene: Kerberos_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for Kerberos_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: Keziacharles14_23 Start: 14734, Stop: 15132, Start Num: 59
Candidate Starts for Keziacharles14_23:
(Start: 59 @14734 has 322 MA's), (65, 14773), (71, 14806), (77, 14839), (80, 14848), (83, 14872), (99, 14959), (110, 15001), (121, 15055), (123, 15061), (127, 15073), (130, 15088),

Gene: KikiBouba_24 Start: 16385, Stop: 16762, Start Num: 60
Candidate Starts for KikiBouba_24:
(Start: 38 @16286 has 24 MA's), (Start: 60 @16385 has 202 MA's), (69, 16454), (74, 16478), (77, 16493), (78, 16496), (117, 16664),

Gene: Killigrew_20 Start: 15047, Stop: 15424, Start Num: 60
Candidate Starts for Killigrew_20:
(47, 14960), (Start: 60 @15047 has 202 MA's), (78, 15158), (105, 15278), (130, 15380),

Gene: Kimba_24 Start: 16414, Stop: 16809, Start Num: 59
Candidate Starts for Kimba_24:
(Start: 59 @16414 has 322 MA's), (71, 16486), (74, 16504), (86, 16561), (102, 16639), (121, 16732),

Gene: Kimona_20 Start: 12658, Stop: 13038, Start Num: 57
Candidate Starts for Kimona_20:
(41, 12565), (Start: 57 @12658 has 289 MA's), (89, 12814), (91, 12823), (94, 12850), (106, 12895), (117, 12940), (123, 12967), (130, 12994),

Gene: KingCyrus_26 Start: 16201, Stop: 16608, Start Num: 59
Candidate Starts for KingCyrus_26:
(Start: 59 @16201 has 322 MA's), (72, 16285), (95, 16414), (106, 16456), (113, 16489), (127, 16549), (130, 16564),

Gene: Kinmap_23 Start: 15609, Stop: 16001, Start Num: 59
Candidate Starts for Kinmap_23:

(Start: 59 @15609 has 322 MA's), (63, 15636), (75, 15702), (83, 15747), (94, 15807), (102, 15831), (113, 15885), (130, 15957),

Gene: Kipper29_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for Kipper29_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: KittenMittens_22 Start: 13010, Stop: 13378, Start Num: 57
Candidate Starts for KittenMittens_22:
(Start: 48 @12947 has 41 MA's), (Start: 57 @13010 has 289 MA's), (67, 13070), (69, 13076), (83, 13148), (102, 13220), (106, 13241), (107, 13244), (125, 13313),

Gene: Klodlith_24 Start: 14746, Stop: 15141, Start Num: 59
Candidate Starts for Klodlith_24:
(Start: 59 @14746 has 322 MA's), (71, 14818), (83, 14881), (96, 14959), (99, 14968), (121, 15064), (127, 15082), (130, 15097),

Gene: Koan_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Koan_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Koduck_25 Start: 14976, Stop: 15374, Start Num: 59
Candidate Starts for Koduck_25:
(Start: 59 @14976 has 322 MA's), (72, 15060), (83, 15114), (86, 15123), (94, 15177), (116, 15267),

Gene: Koko_27 Start: 15936, Stop: 16340, Start Num: 59
Candidate Starts for Koko_27:
(54, 15909), (Start: 59 @15936 has 322 MA's), (72, 16020), (76, 16032), (83, 16074), (86, 16083), (95, 16146), (109, 16197),

Gene: Koreni_22 Start: 14744, Stop: 15115, Start Num: 57
Candidate Starts for Koreni_22:
(Start: 57 @14744 has 289 MA's), (69, 14810), (75, 14837), (102, 14957), (125, 15050), (127, 15056),

Gene: Kratark_23 Start: 15093, Stop: 15464, Start Num: 57
Candidate Starts for Kratark_23:
(Start: 57 @15093 has 289 MA's), (69, 15159), (75, 15186), (102, 15306), (125, 15399), (127, 15405),

Gene: Kremtemulon_23 Start: 15146, Stop: 15517, Start Num: 57
Candidate Starts for Kremtemulon_23:
(Start: 57 @15146 has 289 MA's), (69, 15212), (75, 15239), (102, 15359), (125, 15452), (127, 15458),

Gene: Krishelle_19 Start: 11308, Stop: 11658, Start Num: 57
Candidate Starts for Krishelle_19:
(Start: 57 @11308 has 289 MA's), (100, 11503), (125, 11608), (127, 11614), (134, 11644),

Gene: Kristoff_24 Start: 15098, Stop: 15466, Start Num: 57
Candidate Starts for Kristoff_24:
(Start: 48 @15035 has 41 MA's), (Start: 57 @15098 has 289 MA's), (67, 15158), (69, 15164), (83, 15236), (102, 15308), (105, 15320), (123, 15395), (125, 15401), (127, 15407), (130, 15422),

Gene: Kugel_23 Start: 15601, Stop: 16077, Start Num: 38

Candidate Starts for Kugel_23:
(Start: 38 @15601 has 24 MA's), (Start: 60 @15700 has 202 MA's), (81, 15829), (83, 15841), (105, 15931), (134, 16048),

Gene: KyMonks1A_24 Start: 15866, Stop: 16243, Start Num: 60
Candidate Starts for KyMonks1A_24:
(Start: 38 @15767 has 24 MA's), (Start: 60 @15866 has 202 MA's), (81, 15995), (83, 16007), (105, 16097), (134, 16214),

Gene: Kyee_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Kyee_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: Kykar_20 Start: 15136, Stop: 15513, Start Num: 60
Candidate Starts for Kykar_20:
(Start: 38 @15037 has 24 MA's), (Start: 60 @15136 has 202 MA's), (78, 15247), (83, 15277), (105, 15367),

Gene: L5_24 Start: 14987, Stop: 15385, Start Num: 59
Candidate Starts for L5_24:
(Start: 59 @14987 has 322 MA's), (72, 15071), (83, 15125), (86, 15134), (94, 15188), (116, 15278),

Gene: LBerry_25 Start: 15183, Stop: 15581, Start Num: 57
Candidate Starts for LBerry_25:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: LHTSCC_24 Start: 15409, Stop: 15780, Start Num: 57
Candidate Starts for LHTSCC_24:
(Start: 57 @15409 has 289 MA's), (69, 15475), (75, 15502), (102, 15622), (125, 15715), (127, 15721),

Gene: LadyBird_24 Start: 15774, Stop: 16181, Start Num: 59
Candidate Starts for LadyBird_24:
(Start: 26 @15669 has 1 MA's), (Start: 48 @15711 has 41 MA's), (Start: 59 @15774 has 322 MA's), (63, 15801), (68, 15837), (95, 15987), (106, 16029), (114, 16065), (116, 16074), (127, 16122), (130, 16137),

Gene: Lambert1_24 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Lambert1_24:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Lamina13_22 Start: 15146, Stop: 15523, Start Num: 60
Candidate Starts for Lamina13_22:
(Start: 60 @15146 has 202 MA's), (69, 15215), (74, 15239), (77, 15254), (78, 15257), (81, 15275), (117, 15425),

Gene: Landor_25 Start: 17551, Stop: 17949, Start Num: 59
Candidate Starts for Landor_25:
(3, 17284), (9, 17335), (Start: 26 @17449 has 1 MA's), (Start: 59 @17551 has 322 MA's), (77, 17656), (127, 17890), (128, 17893),

Gene: Lannister_17 Start: 10954, Stop: 11277, Start Num: 61
Candidate Starts for Lannister_17:
(Start: 61 @10954 has 110 MA's), (119, 11203), (134, 11263),

Gene: LappelDuVide_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for LappelDuVide_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Larenn_25 Start: 16075, Stop: 16479, Start Num: 59
Candidate Starts for Larenn_25:
(6, 15832), (11, 15859), (Start: 26 @15970 has 1 MA's), (Start: 59 @16075 has 322 MA's), (63, 16102), (72, 16159), (83, 16213), (89, 16234), (106, 16327), (113, 16360), (127, 16420), (130, 16435),

Gene: LarryKay_25 Start: 15269, Stop: 15667, Start Num: 57
Candidate Starts for LarryKay_25:
(Start: 48 @15206 has 41 MA's), (Start: 57 @15269 has 289 MA's), (75, 15362), (77, 15374), (83, 15407), (87, 15419), (99, 15494), (102, 15503), (106, 15524), (116, 15566), (123, 15596), (130, 15623),

Gene: LastResort_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for LastResort_26:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Legacy_16 Start: 10921, Stop: 11244, Start Num: 61
Candidate Starts for Legacy_16:
(Start: 61 @10921 has 110 MA's), (119, 11170), (134, 11230),

Gene: Lemur_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Lemur_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: LeoAvram_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for LeoAvram_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Leogania_26 Start: 17943, Stop: 18350, Start Num: 59
Candidate Starts for Leogania_26:
(Start: 59 @17943 has 322 MA's), (68, 18006), (72, 18027), (83, 18081), (95, 18156), (106, 18198), (113, 18231), (127, 18291), (130, 18306),

Gene: Lesedi_22 Start: 15304, Stop: 15681, Start Num: 60
Candidate Starts for Lesedi_22:
(Start: 38 @15205 has 24 MA's), (Start: 60 @15304 has 202 MA's), (69, 15373), (74, 15397), (77, 15412), (78, 15415), (81, 15433), (117, 15583),

Gene: Lev2_20 Start: 14264, Stop: 14644, Start Num: 59
Candidate Starts for Lev2_20:
(Start: 59 @14264 has 322 MA's), (67, 14321), (69, 14327), (80, 14375), (83, 14399), (89, 14420), (92, 14429), (94, 14456), (101, 14477), (105, 14492), (110, 14513), (111, 14525), (130, 14597), (135, 14624),

Gene: Levia_23 Start: 16315, Stop: 16692, Start Num: 60

Candidate Starts for Levia_23:
(Start: 60 @16315 has 202 MA's), (69, 16384), (74, 16408), (77, 16423), (78, 16426), (81, 16444), (117, 16594), (134, 16663),

Gene: Leviathan_26 Start: 16290, Stop: 16697, Start Num: 59
Candidate Starts for Leviathan_26:
(Start: 59 @16290 has 322 MA's), (63, 16317), (68, 16353), (72, 16374), (95, 16503), (106, 16545), (113, 16578), (127, 16638), (130, 16653),

Gene: Leviticus_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Leviticus_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: Licorice_24 Start: 16441, Stop: 16932, Start Num: 27
Candidate Starts for Licorice_24:
(Start: 27 @16441 has 1 MA's), (Start: 38 @16456 has 24 MA's), (Start: 60 @16555 has 202 MA's), (69, 16624), (74, 16648), (77, 16663), (78, 16666), (117, 16834),

Gene: Lika_16 Start: 10952, Stop: 11275, Start Num: 61
Candidate Starts for Lika_16:
(Start: 61 @10952 has 110 MA's), (119, 11201), (134, 11261),

Gene: LilBib_23 Start: 16388, Stop: 16774, Start Num: 60
Candidate Starts for LilBib_23:
(Start: 38 @16286 has 24 MA's), (Start: 60 @16388 has 202 MA's), (77, 16496), (88, 16547), (91, 16559), (94, 16592), (106, 16637), (127, 16715), (130, 16730), (134, 16745),

Gene: LilTurb_26 Start: 16293, Stop: 16700, Start Num: 59
Candidate Starts for LilTurb_26:
(Start: 59 @16293 has 322 MA's), (63, 16320), (68, 16356), (72, 16377), (95, 16506), (106, 16548), (113, 16581), (127, 16641), (130, 16656),

Gene: Lilbunny_27 Start: 15905, Stop: 16309, Start Num: 59
Candidate Starts for Lilbunny_27:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: Lilith_25 Start: 15113, Stop: 15574, Start Num: 48
Candidate Starts for Lilith_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Lilleskat_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for Lilleskat_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Lillie_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Lillie_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: LionsBait_25 Start: 17557, Stop: 17964, Start Num: 59
Candidate Starts for LionsBait_25:
(Start: 59 @17557 has 322 MA's), (63, 17584), (67, 17617), (72, 17641), (95, 17770), (106, 17812), (127, 17905), (130, 17920),

Gene: LittleB_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for LittleB_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: LittleCherry_20 Start: 14447, Stop: 14827, Start Num: 59
Candidate Starts for LittleCherry_20:
(Start: 59 @14447 has 322 MA's), (66, 14486), (67, 14504), (80, 14558), (83, 14582), (89, 14603), (92, 14612), (94, 14639), (101, 14660), (105, 14675), (110, 14696), (111, 14708), (121, 14747), (130, 14780), (135, 14807),

Gene: LittleGuy_23 Start: 15041, Stop: 15412, Start Num: 57
Candidate Starts for LittleGuy_23:
(Start: 57 @15041 has 289 MA's), (69, 15107), (75, 15134), (102, 15254), (125, 15347), (127, 15353),

Gene: LochMonster_23 Start: 15073, Stop: 15444, Start Num: 57
Candidate Starts for LochMonster_23:
(Start: 57 @15073 has 289 MA's), (69, 15139), (75, 15166), (102, 15286), (125, 15379), (127, 15385),

Gene: Lockley_22 Start: 15381, Stop: 15857, Start Num: 38
Candidate Starts for Lockley_22:
(Start: 38 @15381 has 24 MA's), (Start: 60 @15480 has 202 MA's), (81, 15609), (83, 15621), (134, 15828),

Gene: LogiBear_26 Start: 15664, Stop: 16068, Start Num: 57
Candidate Starts for LogiBear_26:
(Start: 57 @15664 has 289 MA's), (63, 15691), (75, 15754), (77, 15766), (83, 15799), (99, 15895), (102, 15904), (116, 15967), (125, 16003), (127, 16009), (130, 16024),

Gene: Lokk_27 Start: 17449, Stop: 17853, Start Num: 59
Candidate Starts for Lokk_27:
(Start: 59 @17449 has 322 MA's), (68, 17512), (72, 17533), (83, 17587), (94, 17656), (106, 17701), (113, 17734), (127, 17794), (130, 17809),

Gene: LoneWolf_25 Start: 16414, Stop: 16809, Start Num: 59
Candidate Starts for LoneWolf_25:
(Start: 59 @16414 has 322 MA's), (71, 16486), (80, 16525), (83, 16549), (96, 16627), (99, 16636), (121, 16732), (127, 16750), (130, 16765),

Gene: Loofah_17 Start: 10918, Stop: 11259, Start Num: 61
Candidate Starts for Loofah_17:
(46, 10840), (55, 10900), (Start: 61 @10918 has 110 MA's), (89, 11074), (97, 11089), (108, 11122), (112, 11143), (119, 11170), (134, 11230),

Gene: Looper_27 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for Looper_27:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Lopton_23 Start: 16805, Stop: 17281, Start Num: 38
Candidate Starts for Lopton_23:
(Start: 38 @16805 has 24 MA's), (Start: 60 @16904 has 202 MA's), (81, 17033), (83, 17045), (105, 17135), (134, 17252),

Gene: Lorelei_16 Start: 10924, Stop: 11247, Start Num: 61
Candidate Starts for Lorelei_16:
(Start: 61 @10924 has 110 MA's), (89, 11077), (119, 11173),

Gene: Lorenzo_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Lorenzo_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Loser_27 Start: 17580, Stop: 17984, Start Num: 59
Candidate Starts for Loser_27:
(Start: 59 @17580 has 322 MA's), (72, 17664), (74, 17670), (83, 17718), (89, 17739), (106, 17832), (127, 17925), (130, 17940),

Gene: Louie6_25 Start: 15207, Stop: 15668, Start Num: 48
Candidate Starts for Louie6_25:
(Start: 48 @15207 has 41 MA's), (Start: 57 @15270 has 289 MA's), (75, 15363), (77, 15375), (83, 15408), (87, 15420), (99, 15495), (102, 15504), (106, 15525), (116, 15567), (123, 15597), (130, 15624),

Gene: Lowa_25 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for Lowa_25:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: Luchador_25 Start: 16146, Stop: 16547, Start Num: 59
Candidate Starts for Luchador_25:
(Start: 59 @16146 has 322 MA's), (76, 16242), (77, 16251), (127, 16488),

Gene: Lucivia_24 Start: 16411, Stop: 16806, Start Num: 59
Candidate Starts for Lucivia_24:
(Start: 59 @16411 has 322 MA's), (71, 16483), (74, 16501), (86, 16558), (102, 16636), (121, 16729),

Gene: Lucyedi_25 Start: 15972, Stop: 16367, Start Num: 59
Candidate Starts for Lucyedi_25:
(Start: 59 @15972 has 322 MA's), (69, 16038), (80, 16086), (92, 16149), (106, 16218), (127, 16308), (129, 16314), (134, 16338),

Gene: LugYA_27 Start: 15183, Stop: 15581, Start Num: 57
Candidate Starts for LugYA_27:
(Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: LunarLander_22 Start: 15260, Stop: 15631, Start Num: 60
Candidate Starts for LunarLander_22:
(Start: 60 @15260 has 202 MA's), (69, 15329), (78, 15371), (84, 15404), (121, 15554), (126, 15569), (127, 15572), (128, 15575),

Gene: Lunsford_24 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Lunsford_24:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: MA5_23 Start: 14248, Stop: 14697, Start Num: 48
Candidate Starts for MA5_23:
(Start: 48 @14248 has 41 MA's), (Start: 57 @14314 has 289 MA's), (75, 14407), (89, 14473), (91, 14482), (94, 14509), (106, 14554), (127, 14638), (130, 14653),

Gene: MK4_23 Start: 14545, Stop: 14994, Start Num: 48
Candidate Starts for MK4_23:
(Start: 48 @14545 has 41 MA's), (Start: 57 @14611 has 289 MA's), (89, 14770), (91, 14779), (94, 14806), (106, 14851), (123, 14923), (130, 14950),

Gene: MPlant7149_22 Start: 15114, Stop: 15491, Start Num: 60
Candidate Starts for MPlant7149_22:
(Start: 38 @15015 has 24 MA's), (Start: 60 @15114 has 202 MA's), (81, 15243), (83, 15255), (105, 15345), (134, 15462),

Gene: MaCh_24 Start: 16353, Stop: 16748, Start Num: 59
Candidate Starts for MaCh_24:
(Start: 59 @16353 has 322 MA's), (71, 16425), (74, 16443), (86, 16500), (102, 16578), (109, 16608), (121, 16671),

Gene: Mabel_24 Start: 16414, Stop: 16809, Start Num: 59
Candidate Starts for Mabel_24:
(Start: 59 @16414 has 322 MA's), (71, 16486), (74, 16504), (86, 16561), (102, 16639), (121, 16732),

Gene: MadMarie_25 Start: 15185, Stop: 15583, Start Num: 57
Candidate Starts for MadMarie_25:
(Start: 48 @15122 has 41 MA's), (Start: 57 @15185 has 289 MA's), (75, 15278), (77, 15290), (83, 15323), (87, 15335), (99, 15410), (102, 15419), (106, 15440), (116, 15482), (123, 15512), (130, 15539),

Gene: Magnar_22 Start: 15261, Stop: 15638, Start Num: 60
Candidate Starts for Magnar_22:
(Start: 38 @15162 has 24 MA's), (Start: 60 @15261 has 202 MA's), (81, 15390), (83, 15402), (105, 15492), (134, 15609),

Gene: Magnito_21 Start: 14926, Stop: 15402, Start Num: 38
Candidate Starts for Magnito_21:
(Start: 38 @14926 has 24 MA's), (Start: 60 @15025 has 202 MA's), (69, 15094), (74, 15118), (77, 15133), (78, 15136), (81, 15154), (117, 15304),

Gene: Mainiac_25 Start: 15113, Stop: 15574, Start Num: 48
Candidate Starts for Mainiac_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: MajorMajor_23 Start: 14715, Stop: 15119, Start Num: 59
Candidate Starts for MajorMajor_23:
(Start: 59 @14715 has 322 MA's), (72, 14799), (76, 14811), (116, 15012),

Gene: Makemake_22 Start: 16741, Stop: 17118, Start Num: 60
Candidate Starts for Makemake_22:
(Start: 60 @16741 has 202 MA's), (69, 16810), (74, 16834), (77, 16849), (78, 16852), (81, 16870), (117, 17020), (134, 17089),

Gene: Malec_25 Start: 16080, Stop: 16484, Start Num: 59
Candidate Starts for Malec_25:
(6, 15837), (11, 15864), (Start: 26 @15975 has 1 MA's), (Start: 59 @16080 has 322 MA's), (63, 16107), (72, 16164), (83, 16218), (89, 16239), (106, 16332), (113, 16365), (127, 16425), (130, 16440),

Gene: Malinsilva_27 Start: 15112, Stop: 15573, Start Num: 48
Candidate Starts for Malinsilva_27:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: Maminiaina_25 Start: 16344, Stop: 16739, Start Num: 59
Candidate Starts for Maminiaina_25:
(Start: 59 @16344 has 322 MA's), (69, 16410), (71, 16416), (80, 16455), (96, 16557), (99, 16566), (121, 16662), (127, 16680), (130, 16695),

Gene: Manatee_23 Start: 15764, Stop: 16141, Start Num: 60
Candidate Starts for Manatee_23:
(54, 15731), (Start: 60 @15764 has 202 MA's), (69, 15833), (74, 15857), (77, 15872), (78, 15875), (81, 15893), (117, 16043), (134, 16112),

Gene: Maneekul_16 Start: 10929, Stop: 11252, Start Num: 61
Candidate Starts for Maneekul_16:
(Start: 61 @10929 has 110 MA's), (119, 11178),

Gene: Manu_26 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Manu_26:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: MarQuardt_25 Start: 15121, Stop: 15582, Start Num: 48
Candidate Starts for MarQuardt_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: Marav_19 Start: 11753, Stop: 12094, Start Num: 61
Candidate Starts for Marav_19:
(56, 11735), (Start: 61 @11753 has 110 MA's), (89, 11909), (119, 12005), (134, 12065),

Gene: Marcell_22 Start: 15675, Stop: 16151, Start Num: 38
Candidate Starts for Marcell_22:
(Start: 38 @15675 has 24 MA's), (Start: 60 @15774 has 202 MA's), (81, 15903), (83, 15915), (84, 15918), (105, 16005), (134, 16122),

Gene: Marchesa_23 Start: 14683, Stop: 15132, Start Num: 48
Candidate Starts for Marchesa_23:

(Start: 23 @14635 has 2 MA's), (Start: 48 @14683 has 41 MA's), (Start: 57 @14749 has 289 MA's), (75, 14842), (89, 14908), (91, 14917), (94, 14944), (106, 14989), (123, 15061), (127, 15073), (130, 15088),

Gene: Marchy_21 Start: 15090, Stop: 15467, Start Num: 60
Candidate Starts for Marchy_21:
(31, 14982), (35, 14988), (45, 15003), (Start: 60 @15090 has 202 MA's), (69, 15159), (74, 15183), (77, 15198), (78, 15201), (117, 15369),

Gene: Marco3_22 Start: 15749, Stop: 16135, Start Num: 60
Candidate Starts for Marco3_22:
(Start: 38 @15650 has 24 MA's), (Start: 60 @15749 has 202 MA's), (77, 15857), (88, 15908), (91, 15920), (94, 15953), (106, 15998), (115, 16031), (127, 16076), (130, 16091), (134, 16106),

Gene: Marge_23 Start: 16000, Stop: 16371, Start Num: 60
Candidate Starts for Marge_23:
(Start: 38 @15901 has 24 MA's), (Start: 60 @16000 has 202 MA's), (69, 16069), (78, 16111), (84, 16144), (121, 16294), (126, 16309), (127, 16312), (128, 16315), (134, 16342),

Gene: Margo_24 Start: 15273, Stop: 15656, Start Num: 57
Candidate Starts for Margo_24:
(41, 15189), (Start: 57 @15273 has 289 MA's), (75, 15366), (89, 15432), (91, 15441), (94, 15468), (106, 15513), (119, 15567), (123, 15585), (130, 15612),

Gene: Marie_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for Marie_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: Marius_26 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Marius_26:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Maroc7_21 Start: 15287, Stop: 15664, Start Num: 60
Candidate Starts for Maroc7_21:
(Start: 60 @15287 has 202 MA's), (69, 15356), (74, 15380), (77, 15395), (78, 15398), (81, 15416), (117, 15566),

Gene: Marsha_22 Start: 16042, Stop: 16428, Start Num: 60
Candidate Starts for Marsha_22:
(Start: 38 @15943 has 24 MA's), (Start: 60 @16042 has 202 MA's), (77, 16150), (88, 16201), (91, 16213), (94, 16246), (106, 16291), (127, 16369), (130, 16384), (134, 16399),

Gene: MaryBeth_22 Start: 15695, Stop: 16072, Start Num: 60
Candidate Starts for MaryBeth_22:
(Start: 60 @15695 has 202 MA's), (69, 15764), (74, 15788), (77, 15803), (78, 15806), (117, 15974),

Gene: MarysWell_19 Start: 14415, Stop: 14795, Start Num: 59
Candidate Starts for MarysWell_19:
(Start: 39 @14325 has 3 MA's), (Start: 59 @14415 has 322 MA's), (67, 14472), (80, 14526), (83, 14550), (89, 14571), (92, 14580), (94, 14607), (101, 14628), (105, 14643), (110, 14664), (111, 14676), (121, 14715), (130, 14748), (135, 14775),

Gene: Maverick_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Maverick_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Maxo_23 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for Maxo_23:
(Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: Mayonnaise_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Mayonnaise_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Mazhar510_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Mazhar510_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: McFly_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for McFly_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: McGuire_23 Start: 15578, Stop: 15955, Start Num: 60
Candidate Starts for McGuire_23:
(Start: 32 @15473 has 1 MA's), (Start: 36 @15479 has 2 MA's), (Start: 60 @15578 has 202 MA's), (83, 15719), (105, 15809),

Gene: McSinger_23 Start: 15955, Stop: 16332, Start Num: 60
Candidate Starts for McSinger_23:
(Start: 60 @15955 has 202 MA's), (69, 16024), (74, 16048), (77, 16063), (78, 16066), (81, 16084), (117, 16234), (134, 16303),

Gene: Medusa_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Medusa_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: MeeZee_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for MeeZee_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: MegTheThird_23 Start: 14737, Stop: 15132, Start Num: 59
Candidate Starts for MegTheThird_23:
(Start: 59 @14737 has 322 MA's), (71, 14809), (75, 14827), (78, 14842), (83, 14872), (96, 14950), (99, 14959), (106, 14989), (121, 15055), (127, 15073), (130, 15088),

Gene: Melvin_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Melvin_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: MetalQZJ_22 Start: 15695, Stop: 16072, Start Num: 60
Candidate Starts for MetalQZJ_22:
(Start: 60 @15695 has 202 MA's), (69, 15764), (74, 15788), (77, 15803), (78, 15806), (117, 15974),

Gene: Methuselah_24 Start: 15266, Stop: 15664, Start Num: 57
Candidate Starts for Methuselah_24:
(Start: 48 @15203 has 41 MA's), (Start: 57 @15266 has 289 MA's), (75, 15359), (77, 15371), (83, 15404), (87, 15416), (99, 15491), (102, 15500), (106, 15521), (116, 15563), (123, 15593), (130, 15620),

Gene: Micasa_20 Start: 14415, Stop: 14795, Start Num: 59
Candidate Starts for Micasa_20:
(Start: 59 @14415 has 322 MA's), (67, 14472), (80, 14526), (83, 14550), (89, 14571), (92, 14580), (94, 14607), (101, 14628), (105, 14643), (110, 14664), (111, 14676), (121, 14715), (130, 14748), (135, 14775),

Gene: Michley_22 Start: 15440, Stop: 15817, Start Num: 60
Candidate Starts for Michley_22:
(Start: 60 @15440 has 202 MA's), (69, 15509), (74, 15533), (77, 15548), (78, 15551), (117, 15719),

Gene: Microwolf_25 Start: 15121, Stop: 15582, Start Num: 48
Candidate Starts for Microwolf_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: MiculUcigas_24 Start: 15853, Stop: 16257, Start Num: 59
Candidate Starts for MiculUcigas_24:
(5, 15601), (11, 15637), (Start: 26 @15748 has 1 MA's), (54, 15826), (Start: 59 @15853 has 322 MA's), (63, 15880), (72, 15937), (105, 16096), (106, 16105), (127, 16198), (130, 16213),

Gene: Midas2_20 Start: 14325, Stop: 14795, Start Num: 39
Candidate Starts for Midas2_20:
(Start: 39 @14325 has 3 MA's), (Start: 59 @14415 has 322 MA's), (67, 14472), (80, 14526), (83, 14550), (89, 14571), (92, 14580), (94, 14607), (101, 14628), (105, 14643), (110, 14664), (111, 14676), (121, 14715), (130, 14748), (135, 14775),

Gene: Miko_27 Start: 17419, Stop: 17823, Start Num: 59
Candidate Starts for Miko_27:
(Start: 59 @17419 has 322 MA's), (68, 17482), (72, 17503), (94, 17626), (106, 17671), (113, 17704), (127, 17764), (130, 17779),

Gene: Milcery_20 Start: 14451, Stop: 14831, Start Num: 59
Candidate Starts for Milcery_20:
(Start: 59 @14451 has 322 MA's), (66, 14490), (67, 14508), (80, 14562), (83, 14586), (89, 14607), (92, 14616), (94, 14643), (101, 14664), (105, 14679), (110, 14700), (111, 14712), (121, 14751), (130, 14784), (135, 14811),

Gene: MilleFeuille_21 Start: 15033, Stop: 15419, Start Num: 60
Candidate Starts for MilleFeuille_21:
(Start: 60 @15033 has 202 MA's), (77, 15141), (88, 15192), (91, 15204), (94, 15237), (106, 15282), (127, 15360), (130, 15375), (134, 15390),

Gene: Millski_88 Start: 15101, Stop: 15472, Start Num: 57
Candidate Starts for Millski_88:
(Start: 57 @15101 has 289 MA's), (69, 15167), (75, 15194), (102, 15314), (125, 15407), (127, 15413),

Gene: MinecraftSteve_27 Start: 15070, Stop: 15453, Start Num: 59
Candidate Starts for MinecraftSteve_27:
(54, 15040), (Start: 59 @15070 has 322 MA's), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: Minispark_22 Start: 14692, Stop: 15087, Start Num: 59
Candidate Starts for Minispark_22:
(Start: 59 @14692 has 322 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: Miramae_23 Start: 15041, Stop: 15412, Start Num: 57
Candidate Starts for Miramae_23:
(41, 14951), (43, 14954), (Start: 57 @15041 has 289 MA's), (69, 15107), (75, 15134), (80, 15155), (83, 15179), (102, 15254), (125, 15347), (127, 15353),

Gene: Misomonster_27 Start: 15266, Stop: 15664, Start Num: 57
Candidate Starts for Misomonster_27:
(Start: 48 @15203 has 41 MA's), (Start: 57 @15266 has 289 MA's), (75, 15359), (77, 15371), (83, 15404), (87, 15416), (99, 15491), (102, 15500), (106, 15521), (116, 15563), (123, 15593), (130, 15620),

Gene: MissWhite_24 Start: 14925, Stop: 15329, Start Num: 59
Candidate Starts for MissWhite_24:
(40, 14835), (Start: 59 @14925 has 322 MA's), (72, 15009), (83, 15063), (106, 15177), (130, 15285), (135, 15312),

Gene: Mkhuseli_23 Start: 15610, Stop: 15987, Start Num: 60
Candidate Starts for Mkhuseli_23:
(28, 15496), (Start: 48 @15538 has 41 MA's), (Start: 60 @15610 has 202 MA's), (69, 15679), (74, 15703), (77, 15718), (78, 15721), (81, 15739), (117, 15889),

Gene: Molly_23 Start: 15317, Stop: 15694, Start Num: 60
Candidate Starts for Molly_23:
(55, 15299), (Start: 60 @15317 has 202 MA's), (81, 15446), (83, 15458), (134, 15665),

Gene: Monet_24 Start: 16811, Stop: 17188, Start Num: 60
Candidate Starts for Monet_24:
(Start: 38 @16712 has 24 MA's), (Start: 60 @16811 has 202 MA's), (69, 16880), (74, 16904), (77, 16919), (78, 16922), (117, 17090),

Gene: MoneyMay_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for MoneyMay_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: Montavir_24 Start: 15183, Stop: 15581, Start Num: 57
Candidate Starts for Montavir_24:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Moose_21 Start: 15552, Stop: 15929, Start Num: 60
Candidate Starts for Moose_21:

(Start: 38 @15453 has 24 MA's), (Start: 60 @15552 has 202 MA's), (69, 15621), (74, 15645), (77, 15660), (78, 15663), (117, 15831),

Gene: Morpher26_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Morpher26_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (80, 15212), (83, 15236), (102, 15311), (125, 15404), (127, 15410),

Gene: Morrow_23 Start: 15101, Stop: 15472, Start Num: 57
Candidate Starts for Morrow_23:
(Start: 57 @15101 has 289 MA's), (69, 15167), (75, 15194), (102, 15314), (125, 15407), (127, 15413),

Gene: MrGordo_22 Start: 15253, Stop: 15630, Start Num: 60
Candidate Starts for MrGordo_22:
(Start: 60 @15253 has 202 MA's), (69, 15322), (74, 15346), (77, 15361), (78, 15364), (117, 15532),

Gene: Mryolo_22 Start: 15302, Stop: 15679, Start Num: 60
Candidate Starts for Mryolo_22:
(Start: 38 @15203 has 24 MA's), (Start: 60 @15302 has 202 MA's), (77, 15410), (81, 15431), (83, 15443), (105, 15533), (134, 15650),

Gene: MuchMore_27 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for MuchMore_27:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: Mulciber_24 Start: 16356, Stop: 16751, Start Num: 59
Candidate Starts for Mulciber_24:
(Start: 59 @16356 has 322 MA's), (71, 16428), (74, 16446), (86, 16503), (102, 16581), (121, 16674),

Gene: Mule_22 Start: 15590, Stop: 15967, Start Num: 60
Candidate Starts for Mule_22:
(Start: 38 @15491 has 24 MA's), (Start: 60 @15590 has 202 MA's), (81, 15719), (83, 15731), (134, 15938),

Gene: Munch_24 Start: 16362, Stop: 16757, Start Num: 59
Candidate Starts for Munch_24:
(Start: 59 @16362 has 322 MA's), (71, 16434), (74, 16452), (86, 16509), (102, 16587), (121, 16680),

Gene: Mundrea_23 Start: 15063, Stop: 15434, Start Num: 57
Candidate Starts for Mundrea_23:
(43, 14973), (Start: 57 @15063 has 289 MA's), (75, 15156), (80, 15177), (83, 15201), (102, 15276), (125, 15369), (127, 15375),

Gene: Museum_25 Start: 15609, Stop: 15986, Start Num: 60
Candidate Starts for Museum_25:
(Start: 38 @15510 has 24 MA's), (Start: 60 @15609 has 202 MA's), (69, 15678), (74, 15702), (77, 15717), (78, 15720), (81, 15738), (117, 15888),

Gene: MyraDee_21 Start: 13288, Stop: 13680, Start Num: 59
Candidate Starts for MyraDee_21:

(Start: 48 @13222 has 41 MA's), (Start: 59 @13288 has 322 MA's), (78, 13396), (83, 13426), (124, 13612), (127, 13621), (134, 13651),

Gene: Myxus_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for Myxus_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: NEHalo_22 Start: 15338, Stop: 15715, Start Num: 60
Candidate Starts for NEHalo_22:
(Start: 38 @15239 has 24 MA's), (Start: 60 @15338 has 202 MA's), (81, 15467), (83, 15479), (134, 15686),

Gene: NaSiaTalie_24 Start: 15851, Stop: 16255, Start Num: 59
Candidate Starts for NaSiaTalie_24:
(54, 15824), (Start: 59 @15851 has 322 MA's), (63, 15878), (72, 15935), (105, 16094), (106, 16103), (127, 16196), (130, 16211),

Gene: Nabi_16 Start: 10924, Stop: 11247, Start Num: 61
Candidate Starts for Nabi_16:
(Start: 61 @10924 has 110 MA's), (89, 11077), (119, 11173),

Gene: Naca_20 Start: 14284, Stop: 14754, Start Num: 39
Candidate Starts for Naca_20:
(Start: 39 @14284 has 3 MA's), (54, 14344), (Start: 59 @14374 has 322 MA's), (80, 14485), (83, 14509), (89, 14530), (92, 14539), (94, 14566), (105, 14602), (111, 14635), (127, 14692), (130, 14707), (135, 14734),

Gene: Naiad_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Naiad_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Naira_23 Start: 17090, Stop: 17461, Start Num: 60
Candidate Starts for Naira_23:
(Start: 38 @16991 has 24 MA's), (Start: 60 @17090 has 202 MA's), (69, 17159), (78, 17201), (84, 17234), (121, 17384), (126, 17399), (127, 17402), (128, 17405),

Gene: Naji_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for Naji_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: Nancinator_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Nancinator_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Nanodon_18 Start: 11129, Stop: 11452, Start Num: 61
Candidate Starts for Nanodon_18:
(Start: 61 @11129 has 110 MA's), (119, 11378), (134, 11438),

Gene: Natosaleda_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Natosaleda_19:

(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: NearlyHeadless_20 Start: 13769, Stop: 14134, Start Num: 59
Candidate Starts for NearlyHeadless_20:
(Start: 59 @13769 has 322 MA's), (67, 13829), (71, 13841), (88, 13925), (89, 13928), (94, 13964), (102, 13988), (125, 14084),

Gene: Nebs_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Nebs_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Nebulosus_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for Nebulosus_26:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Nedarya_25 Start: 15606, Stop: 15986, Start Num: 57
Candidate Starts for Nedarya_25:
(Start: 57 @15606 has 289 MA's), (73, 15690), (83, 15741), (102, 15816), (120, 15903), (125, 15921), (133, 15951), (134, 15957),

Gene: Neeharika16_27 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for Neeharika16_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (101, 16143), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Nemo27_23 Start: 15097, Stop: 15468, Start Num: 57
Candidate Starts for Nemo27_23:
(Start: 57 @15097 has 289 MA's), (69, 15163), (75, 15190), (102, 15310), (125, 15403), (127, 15409),

Gene: Nerdos_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Nerdos_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: Nerujay_23 Start: 16006, Stop: 16383, Start Num: 60
Candidate Starts for Nerujay_23:
(Start: 60 @16006 has 202 MA's), (78, 16117), (102, 16225), (105, 16237), (121, 16306),

Gene: Newrala_28 Start: 15915, Stop: 16319, Start Num: 59
Candidate Starts for Newrala_28:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (101, 16143), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: Nhonho_22 Start: 15759, Stop: 16136, Start Num: 60
Candidate Starts for Nhonho_22:
(Start: 60 @15759 has 202 MA's), (78, 15870), (90, 15927), (102, 15978), (105, 15990), (121, 16059),

Gene: NicoleTera_28 Start: 17616, Stop: 18020, Start Num: 59
Candidate Starts for NicoleTera_28:

(Start: 27 @17514 has 1 MA's), (Start: 59 @17616 has 322 MA's), (63, 17643), (68, 17679), (83, 17754), (106, 17868), (113, 17901), (123, 17949), (127, 17961), (130, 17976),

Gene: Nishikigoi_16 Start: 10836, Stop: 11177, Start Num: 61
Candidate Starts for Nishikigoi_16:
(19, 10698), (Start: 61 @10836 has 110 MA's), (84, 10974), (103, 11022), (110, 11046), (134, 11148),

Gene: Niza_24 Start: 16610, Stop: 16987, Start Num: 60
Candidate Starts for Niza_24:
(Start: 60 @16610 has 202 MA's), (69, 16679), (74, 16703), (77, 16718), (78, 16721), (117, 16889),

Gene: Noella_24 Start: 15248, Stop: 15631, Start Num: 57
Candidate Starts for Noella_24:
(41, 15164), (Start: 57 @15248 has 289 MA's), (75, 15341), (89, 15407), (91, 15416), (94, 15443), (106, 15488), (119, 15542), (123, 15560), (130, 15587),

Gene: Noelle_23 Start: 15151, Stop: 15522, Start Num: 57
Candidate Starts for Noelle_23:
(31, 15043), (Start: 48 @15082 has 41 MA's), (Start: 57 @15151 has 289 MA's), (69, 15217), (75, 15244), (77, 15256), (80, 15265), (83, 15289), (102, 15364), (125, 15457), (127, 15463),

Gene: Norbert_23 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Norbert_23:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: NorthStar_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for NorthStar_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Northrop_23 Start: 15094, Stop: 15465, Start Num: 57
Candidate Starts for Northrop_23:
(Start: 57 @15094 has 289 MA's), (69, 15160), (75, 15187), (102, 15307), (125, 15400), (127, 15406),

Gene: Norz_24 Start: 16261, Stop: 16632, Start Num: 60
Candidate Starts for Norz_24:
(Start: 38 @16162 has 24 MA's), (Start: 60 @16261 has 202 MA's), (69, 16330), (78, 16372), (84, 16405), (121, 16555), (126, 16570), (127, 16573), (128, 16576),

Gene: NotAPhaseMom_23 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for NotAPhaseMom_23:
(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (102, 15315), (125, 15408), (127, 15414),

Gene: NothingSpecial_26 Start: 17823, Stop: 18227, Start Num: 59
Candidate Starts for NothingSpecial_26:
(Start: 59 @17823 has 322 MA's), (72, 17907), (83, 17961), (95, 18033), (106, 18075), (113, 18108), (116, 18120), (127, 18168), (130, 18183),

Gene: Noxious_24 Start: 16576, Stop: 16953, Start Num: 60
Candidate Starts for Noxious_24:
(Start: 38 @16477 has 24 MA's), (Start: 60 @16576 has 202 MA's), (69, 16645), (74, 16669), (77, 16684), (78, 16687), (117, 16855),

Gene: Nyxis_23 Start: 15041, Stop: 15412, Start Num: 57
Candidate Starts for Nyxis_23:
(Start: 57 @15041 has 289 MA's), (69, 15107), (75, 15134), (102, 15254), (125, 15347), (127, 15353),

Gene: OKCentral2016_23 Start: 14610, Stop: 14978, Start Num: 57
Candidate Starts for OKCentral2016_23:
(Start: 57 @14610 has 289 MA's), (67, 14670), (69, 14676), (74, 14700), (83, 14748), (102, 14820), (105, 14832), (125, 14913),

Gene: OKaNui_24 Start: 15151, Stop: 15522, Start Num: 57
Candidate Starts for OKaNui_24:
(Start: 57 @15151 has 289 MA's), (69, 15217), (75, 15244), (102, 15364), (125, 15457), (127, 15463),

Gene: Obama12_24 Start: 15411, Stop: 15782, Start Num: 57
Candidate Starts for Obama12_24:
(Start: 57 @15411 has 289 MA's), (69, 15477), (75, 15504), (102, 15624), (125, 15717), (127, 15723),

Gene: Odin_23 Start: 14584, Stop: 14988, Start Num: 59
Candidate Starts for Odin_23:
(Start: 59 @14584 has 322 MA's), (72, 14668), (76, 14680), (83, 14722), (86, 14731), (95, 14794),

Gene: Ohfah_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Ohfah_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Ohno789_22 Start: 15408, Stop: 15785, Start Num: 60
Candidate Starts for Ohno789_22:
(Start: 38 @15309 has 24 MA's), (Start: 60 @15408 has 202 MA's), (69, 15477), (74, 15501), (77, 15516), (78, 15519), (117, 15687),

Gene: OlanP_26 Start: 15441, Stop: 15839, Start Num: 57
Candidate Starts for OlanP_26:
(Start: 57 @15441 has 289 MA's), (75, 15534), (77, 15546), (99, 15666), (102, 15675), (106, 15696), (116, 15738), (121, 15762), (123, 15768), (130, 15795),

Gene: Oliynyk_17 Start: 11113, Stop: 11436, Start Num: 61
Candidate Starts for Oliynyk_17:
(Start: 61 @11113 has 110 MA's), (134, 11422),

Gene: Ollie_25 Start: 15053, Stop: 15451, Start Num: 57
Candidate Starts for Ollie_25:
(Start: 57 @15053 has 289 MA's), (75, 15146), (77, 15158), (87, 15203), (99, 15278), (102, 15287), (106, 15308), (116, 15350), (123, 15380), (130, 15407),

Gene: Omar_17 Start: 11069, Stop: 11410, Start Num: 61
Candidate Starts for Omar_17:
(Start: 61 @11069 has 110 MA's), (84, 11207), (103, 11255), (134, 11381),

Gene: Onglai_24 Start: 14948, Stop: 15343, Start Num: 59
Candidate Starts for Onglai_24:
(Start: 59 @14948 has 322 MA's), (71, 15020), (80, 15059), (96, 15161), (99, 15170), (121, 15266), (127, 15284), (130, 15299),

Gene: Oofda_26 Start: 14919, Stop: 15302, Start Num: 59
Candidate Starts for Oofda_26:
(54, 14889), (Start: 59 @14919 has 322 MA's), (74, 15009), (120, 15219), (125, 15237), (127, 15243), (134, 15273),

Gene: Oogway_21 Start: 15521, Stop: 15898, Start Num: 60
Candidate Starts for Oogway_21:
(Start: 60 @15521 has 202 MA's), (81, 15650), (83, 15662), (105, 15752), (134, 15869),

Gene: Orange_24 Start: 16362, Stop: 16757, Start Num: 59
Candidate Starts for Orange_24:
(Start: 59 @16362 has 322 MA's), (71, 16434), (74, 16452), (86, 16509), (102, 16587), (121, 16680),

Gene: Ozzie_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Ozzie_16:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: OzzyJ_17 Start: 10921, Stop: 11244, Start Num: 61
Candidate Starts for OzzyJ_17:
(Start: 61 @10921 has 110 MA's), (119, 11170), (134, 11230),

Gene: P28Green_25 Start: 15184, Stop: 15582, Start Num: 57
Candidate Starts for P28Green_25:
(Start: 57 @15184 has 289 MA's), (71, 15256), (75, 15277), (77, 15289), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (121, 15505), (123, 15511), (130, 15538),

Gene: PGHhamlin_27 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for PGHhamlin_27:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: PP_33 Start: 20980, Stop: 21342, Start Num: 59
Candidate Starts for PP_33:
(25, 20866), (Start: 59 @20980 has 322 MA's), (63, 21007), (76, 21076), (114, 21244), (123, 21286), (124, 21289), (134, 21328),

Gene: PSullivan_24 Start: 16021, Stop: 16398, Start Num: 60
Candidate Starts for PSullivan_24:
(Start: 38 @15919 has 24 MA's), (Start: 60 @16021 has 202 MA's), (69, 16090), (74, 16114), (77, 16129), (78, 16132), (81, 16150), (117, 16300), (134, 16369),

Gene: Pablito_16 Start: 10769, Stop: 11110, Start Num: 61
Candidate Starts for Pablito_16:
(55, 10751), (Start: 61 @10769 has 110 MA's), (89, 10925), (134, 11081),

Gene: PacerPaul_22 Start: 15831, Stop: 16208, Start Num: 60
Candidate Starts for PacerPaul_22:
(45, 15744), (Start: 60 @15831 has 202 MA's), (69, 15900), (74, 15924), (77, 15939), (78, 15942), (117, 16110),

Gene: PackMan_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for PackMan_25:

(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Paedore_16 Start: 10918, Stop: 11259, Start Num: 61
Candidate Starts for Paedore_16:
(46, 10840), (55, 10900), (Start: 61 @10918 has 110 MA's), (89, 11074), (97, 11089), (108, 11122), (112, 11143), (119, 11170), (134, 11230),

Gene: PainterBoy_25 Start: 15972, Stop: 16367, Start Num: 59
Candidate Starts for PainterBoy_25:
(Start: 59 @15972 has 322 MA's), (69, 16038), (80, 16086), (92, 16149), (106, 16218), (127, 16308), (129, 16314), (134, 16338),

Gene: Palestino_88 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Palestino_88:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Panamaxus_23 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Panamaxus_23:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Paolo_18 Start: 11416, Stop: 11757, Start Num: 61
Candidate Starts for Paolo_18:
(56, 11398), (Start: 61 @11416 has 110 MA's), (89, 11572), (119, 11668), (134, 11728),

Gene: Papez_24 Start: 17237, Stop: 17614, Start Num: 60
Candidate Starts for Papez_24:
(Start: 38 @17138 has 24 MA's), (Start: 60 @17237 has 202 MA's), (81, 17366), (83, 17378), (105, 17468), (134, 17585),

Gene: Paphu_21 Start: 14977, Stop: 15363, Start Num: 60
Candidate Starts for Paphu_21:
(Start: 38 @14875 has 24 MA's), (Start: 60 @14977 has 202 MA's), (77, 15085), (88, 15136), (91, 15148), (94, 15181), (106, 15226), (127, 15304), (130, 15319), (134, 15334),

Gene: Paraselene_21 Start: 15348, Stop: 15734, Start Num: 60
Candidate Starts for Paraselene_21:
(Start: 38 @15249 has 24 MA's), (Start: 60 @15348 has 202 MA's), (77, 15456), (88, 15507), (91, 15519), (94, 15552), (106, 15597), (127, 15675), (130, 15690), (134, 15705),

Gene: Pari_23 Start: 15753, Stop: 16130, Start Num: 60
Candidate Starts for Pari_23:
(54, 15720), (Start: 60 @15753 has 202 MA's), (69, 15822), (74, 15846), (77, 15861), (78, 15864), (81, 15882), (117, 16032), (134, 16101),

Gene: Parliament_21 Start: 15639, Stop: 16016, Start Num: 60
Candidate Starts for Parliament_21:
(Start: 60 @15639 has 202 MA's), (69, 15708), (74, 15732), (77, 15747), (78, 15750), (81, 15768), (117, 15918), (134, 15987),

Gene: Partridge_19 Start: 11382, Stop: 11732, Start Num: 57
Candidate Starts for Partridge_19:

(Start: 57 @11382 has 289 MA's), (84, 11520), (86, 11526), (100, 11577), (110, 11616), (125, 11682), (127, 11688), (134, 11718),

Gene: PascalRango_21 Start: 15196, Stop: 15567, Start Num: 60
Candidate Starts for PascalRango_21:
(Start: 60 @15196 has 202 MA's), (69, 15265), (78, 15307), (84, 15340), (121, 15490), (126, 15505), (127, 15508), (128, 15511),

Gene: PattyP_24 Start: 15719, Stop: 16195, Start Num: 38
Candidate Starts for PattyP_24:
(Start: 38 @15719 has 24 MA's), (Start: 60 @15818 has 202 MA's), (69, 15887), (74, 15911), (77, 15926), (78, 15929), (81, 15947), (117, 16097),

Gene: Pavo_17 Start: 10844, Stop: 11167, Start Num: 61
Candidate Starts for Pavo_17:
(30, 10739), (34, 10745), (Start: 61 @10844 has 110 MA's), (103, 11027), (123, 11111),

Gene: Pawn_25 Start: 15261, Stop: 15659, Start Num: 57
Candidate Starts for Pawn_25:
(Start: 57 @15261 has 289 MA's), (71, 15333), (75, 15354), (77, 15366), (99, 15486), (102, 15495), (106, 15516), (116, 15558), (121, 15582), (123, 15588), (130, 15615),

Gene: Payneful_22 Start: 15090, Stop: 15467, Start Num: 60
Candidate Starts for Payneful_22:
(31, 14982), (35, 14988), (45, 15003), (Start: 60 @15090 has 202 MA's), (69, 15159), (74, 15183), (77, 15198), (78, 15201), (117, 15369),

Gene: PeaceMeal1_22 Start: 13011, Stop: 13379, Start Num: 57
Candidate Starts for PeaceMeal1_22:
(Start: 48 @12948 has 41 MA's), (Start: 57 @13011 has 289 MA's), (67, 13071), (69, 13077), (83, 13149), (102, 13221), (106, 13242), (107, 13245), (125, 13314),

Gene: Peaches_23 Start: 15097, Stop: 15468, Start Num: 57
Candidate Starts for Peaches_23:
(Start: 57 @15097 has 289 MA's), (69, 15163), (75, 15190), (102, 15310), (125, 15403), (127, 15409),

Gene: Pelly_23 Start: 16054, Stop: 16425, Start Num: 60
Candidate Starts for Pelly_23:
(Start: 38 @15955 has 24 MA's), (Start: 60 @16054 has 202 MA's), (69, 16123), (78, 16165), (84, 16198), (121, 16348), (126, 16363), (127, 16366), (128, 16369),

Gene: Pembroke_25 Start: 15184, Stop: 15582, Start Num: 57
Candidate Starts for Pembroke_25:
(Start: 48 @15121 has 41 MA's), (Start: 57 @15184 has 289 MA's), (75, 15277), (77, 15289), (83, 15322), (87, 15334), (99, 15409), (102, 15418), (106, 15439), (116, 15481), (123, 15511), (130, 15538),

Gene: Penny1_26 Start: 15120, Stop: 15581, Start Num: 48
Candidate Starts for Penny1_26:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Pepe_23 Start: 16055, Stop: 16441, Start Num: 60
Candidate Starts for Pepe_23:
(Start: 38 @15968 has 24 MA's), (Start: 60 @16055 has 202 MA's), (77, 16163), (91, 16226), (94, 16259), (106, 16304), (127, 16382), (130, 16397), (134, 16412),

Gene: Perplexer_23 Start: 15092, Stop: 15463, Start Num: 57
Candidate Starts for Perplexer_23:
(Start: 57 @15092 has 289 MA's), (69, 15158), (75, 15185), (80, 15206), (83, 15230), (102, 15305), (125, 15398), (127, 15404),

Gene: Perseus_23 Start: 15675, Stop: 16052, Start Num: 60
Candidate Starts for Perseus_23:
(49, 15612), (Start: 60 @15675 has 202 MA's), (81, 15804), (83, 15816), (105, 15906), (134, 16023),

Gene: PeterPeter_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for PeterPeter_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Petersenfast_24 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Petersenfast_24:
(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: Peterson_25 Start: 17165, Stop: 17635, Start Num: 38
Candidate Starts for Peterson_25:
(Start: 38 @17165 has 24 MA's), (Start: 60 @17264 has 202 MA's), (69, 17333), (78, 17375), (84, 17408), (121, 17558), (126, 17573), (127, 17576), (128, 17579),

Gene: PetiteSangsue_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for PetiteSangsue_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (80, 15212), (83, 15236), (102, 15311), (125, 15404), (127, 15410),

Gene: Petp2012_24 Start: 16486, Stop: 16863, Start Num: 60
Candidate Starts for Petp2012_24:
(Start: 38 @16387 has 24 MA's), (Start: 60 @16486 has 202 MA's), (81, 16615), (83, 16627), (105, 16717), (134, 16834),

Gene: Petruchio_22 Start: 15516, Stop: 15893, Start Num: 60
Candidate Starts for Petruchio_22:
(Start: 60 @15516 has 202 MA's), (69, 15585), (74, 15609), (77, 15624), (78, 15627), (81, 15645), (117, 15795), (134, 15864),

Gene: PetterN_21 Start: 14258, Stop: 14638, Start Num: 59
Candidate Starts for PetterN_21:
(Start: 26 @14156 has 1 MA's), (Start: 48 @14195 has 41 MA's), (Start: 59 @14258 has 322 MA's), (83, 14393), (89, 14414), (94, 14450), (105, 14486), (123, 14564), (130, 14591), (134, 14606),

Gene: Ph8s_25 Start: 14539, Stop: 14943, Start Num: 59
Candidate Starts for Ph8s_25:
(Start: 59 @14539 has 322 MA's), (72, 14623), (76, 14635), (83, 14677), (95, 14749), (127, 14884),

Gene: Phacado_24 Start: 15097, Stop: 15468, Start Num: 57
Candidate Starts for Phacado_24:

(Start: 57 @15097 has 289 MA's), (69, 15163), (75, 15190), (102, 15310), (125, 15403), (127, 15409),

Gene: Phaded_27 Start: 17796, Stop: 18296, Start Num: 26
Candidate Starts for Phaded_27:
(3, 17631), (9, 17682), (Start: 26 @17796 has 1 MA's), (Start: 59 @17898 has 322 MA's), (77, 18003), (127, 18237), (128, 18240),

Gene: Phaeder_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for Phaeder_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: PhailMary_18 Start: 11359, Stop: 11709, Start Num: 57
Candidate Starts for PhailMary_18:
(Start: 57 @11359 has 289 MA's), (100, 11554), (125, 11659), (127, 11665), (134, 11695),

Gene: Phantastic_23 Start: 14600, Stop: 15049, Start Num: 48
Candidate Starts for Phantastic_23:
(Start: 48 @14600 has 41 MA's), (Start: 57 @14666 has 289 MA's), (89, 14825), (91, 14834), (94, 14861), (106, 14906), (123, 14978), (127, 14990), (130, 15005),

Gene: Pharaoh_24 Start: 16375, Stop: 16770, Start Num: 59
Candidate Starts for Pharaoh_24:
(Start: 59 @16375 has 322 MA's), (71, 16447), (74, 16462), (83, 16510), (99, 16597), (121, 16693), (130, 16726),

Gene: Phelipe_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Phelipe_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: PherrisBueller_23 Start: 15424, Stop: 15801, Start Num: 60
Candidate Starts for PherrisBueller_23:
(Start: 60 @15424 has 202 MA's), (69, 15493), (74, 15517), (77, 15532), (78, 15535), (117, 15703),

Gene: Phettuccine_16 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Phettuccine_16:
(Start: 61 @10950 has 110 MA's), (119, 11199), (134, 11259),

Gene: Phighter1804_23 Start: 15076, Stop: 15447, Start Num: 57
Candidate Starts for Phighter1804_23:
(Start: 57 @15076 has 289 MA's), (69, 15142), (75, 15169), (102, 15289), (125, 15382), (127, 15388),

Gene: Phillis_20 Start: 13727, Stop: 14092, Start Num: 59
Candidate Starts for Phillis_20:
(Start: 59 @13727 has 322 MA's), (67, 13787), (71, 13799), (88, 13883), (89, 13886), (94, 13922), (102, 13946), (125, 14042),

Gene: PhineBark_21 Start: 16315, Stop: 16692, Start Num: 60
Candidate Starts for PhineBark_21:
(Start: 60 @16315 has 202 MA's), (69, 16384), (74, 16408), (77, 16423), (78, 16426), (81, 16444), (117, 16594), (134, 16663),

Gene: PhishRPhriends_24 Start: 14445, Stop: 14843, Start Num: 57

Candidate Starts for PhishRPhriends_24:
(Start: 57 @14445 has 289 MA's), (71, 14517), (75, 14538), (77, 14550), (99, 14670), (102, 14679), (106, 14700), (116, 14742), (121, 14766), (123, 14772), (130, 14799),

Gene: Phlei_19 Start: 16633, Stop: 17028, Start Num: 59
Candidate Starts for Phlei_19:
(Start: 59 @16633 has 322 MA's), (76, 16735), (89, 16798), (106, 16879), (123, 16957), (135, 17011),

Gene: Phlippers_21 Start: 16510, Stop: 16887, Start Num: 60
Candidate Starts for Phlippers_21:
(Start: 60 @16510 has 202 MA's), (78, 16621), (83, 16651), (105, 16741),

Gene: Phlorence_20 Start: 14551, Stop: 14931, Start Num: 59
Candidate Starts for Phlorence_20:
(Start: 59 @14551 has 322 MA's), (67, 14608), (69, 14614), (80, 14662), (83, 14686), (89, 14707), (92, 14716), (94, 14743), (101, 14764), (105, 14779), (110, 14800), (111, 14812), (130, 14884), (135, 14911),

Gene: Phoebe_25 Start: 15181, Stop: 15579, Start Num: 57
Candidate Starts for Phoebe_25:
(Start: 48 @15118 has 41 MA's), (Start: 57 @15181 has 289 MA's), (75, 15274), (77, 15286), (83, 15319), (87, 15331), (99, 15406), (102, 15415), (106, 15436), (116, 15478), (123, 15508), (130, 15535),

Gene: Phonnegut_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Phonnegut_25:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: Phontbonne_23 Start: 15042, Stop: 15413, Start Num: 57
Candidate Starts for Phontbonne_23:
(Start: 57 @15042 has 289 MA's), (69, 15108), (75, 15135), (102, 15255), (125, 15348), (127, 15354),

Gene: Phoxy_26 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for Phoxy_26:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: Phrankenstein_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Phrankenstein_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Phranny_26 Start: 15253, Stop: 15651, Start Num: 57
Candidate Starts for Phranny_26:
(Start: 57 @15253 has 289 MA's), (71, 15325), (75, 15346), (77, 15358), (99, 15478), (102, 15487), (106, 15508), (116, 15550), (121, 15574), (123, 15580), (130, 15607),

Gene: PhrostyMug_22 Start: 15488, Stop: 15964, Start Num: 38
Candidate Starts for PhrostyMug_22:
(Start: 38 @15488 has 24 MA's), (Start: 60 @15587 has 202 MA's), (81, 15716), (83, 15728), (105, 15818), (134, 15935),

Gene: PickleBack_20 Start: 14265, Stop: 14645, Start Num: 59
Candidate Starts for PickleBack_20:
(Start: 59 @14265 has 322 MA's), (67, 14322), (69, 14328), (80, 14376), (83, 14400), (89, 14421), (92, 14430), (94, 14457), (101, 14478), (105, 14493), (110, 14514), (111, 14526), (130, 14598), (135, 14625),

Gene: PinkPlastic_21 Start: 15352, Stop: 15729, Start Num: 60
Candidate Starts for PinkPlastic_21:
(Start: 38 @15253 has 24 MA's), (Start: 60 @15352 has 202 MA's), (81, 15481), (83, 15493), (105, 15583), (134, 15700),

Gene: Pinto_24 Start: 15654, Stop: 16031, Start Num: 60
Candidate Starts for Pinto_24:
(Start: 60 @15654 has 202 MA's), (69, 15723), (74, 15747), (77, 15762), (78, 15765), (117, 15933),

Gene: Pioneer_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Pioneer_25:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: Pipcraft_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Pipcraft_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Pippin_24 Start: 15922, Stop: 16299, Start Num: 60
Candidate Starts for Pippin_24:
(Start: 60 @15922 has 202 MA's), (69, 15991), (74, 16015), (77, 16030), (78, 16033), (81, 16051), (117, 16201),

Gene: Piro94_25 Start: 16312, Stop: 16716, Start Num: 59
Candidate Starts for Piro94_25:
(54, 16285), (Start: 59 @16312 has 322 MA's), (63, 16339), (72, 16396), (105, 16555), (106, 16564), (127, 16657), (130, 16672),

Gene: Pistachio_24 Start: 14179, Stop: 14628, Start Num: 48
Candidate Starts for Pistachio_24:
(Start: 23 @14131 has 2 MA's), (Start: 48 @14179 has 41 MA's), (Start: 57 @14245 has 289 MA's), (75, 14338), (89, 14404), (91, 14413), (94, 14440), (106, 14485), (123, 14557), (127, 14569), (130, 14584),

Gene: Pita2_24 Start: 16021, Stop: 16398, Start Num: 60
Candidate Starts for Pita2_24:
(Start: 38 @15919 has 24 MA's), (Start: 60 @16021 has 202 MA's), (69, 16090), (74, 16114), (77, 16129), (78, 16132), (81, 16150), (117, 16300), (134, 16369),

Gene: Pmask_27 Start: 15853, Stop: 16320, Start Num: 48
Candidate Starts for Pmask_27:
(Start: 26 @15811 has 1 MA's), (Start: 39 @15826 has 3 MA's), (Start: 48 @15853 has 41 MA's), (Start: 59 @15916 has 322 MA's), (83, 16054), (89, 16075), (101, 16144), (104, 16156), (106, 16168), (127, 16261), (130, 16276),

Gene: Pocahontas_24 Start: 15244, Stop: 15627, Start Num: 57

Candidate Starts for Pocahontas_24:
(Start: 57 @15244 has 289 MA's), (75, 15337), (89, 15403), (91, 15412), (94, 15439), (106, 15484), (119, 15538), (123, 15556), (130, 15583),

Gene: Polymorphads_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Polymorphads_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Polyphemus_27 Start: 15917, Stop: 16318, Start Num: 59
Candidate Starts for Polyphemus_27:
(Start: 26 @15812 has 1 MA's), (Start: 39 @15827 has 3 MA's), (Start: 48 @15854 has 41 MA's), (Start: 59 @15917 has 322 MA's), (83, 16055), (89, 16076), (104, 16154), (106, 16166), (127, 16259), (130, 16274),

Gene: Pomar16_27 Start: 15736, Stop: 16140, Start Num: 59
Candidate Starts for Pomar16_27:
(Start: 59 @15736 has 322 MA's), (72, 15820), (83, 15874), (95, 15946), (130, 16096), (131, 16099),

Gene: Poompha_22 Start: 13009, Stop: 13377, Start Num: 57
Candidate Starts for Poompha_22:
(Start: 48 @12946 has 41 MA's), (Start: 57 @13009 has 289 MA's), (67, 13069), (69, 13075), (83, 13147), (102, 13219), (106, 13240), (107, 13243), (125, 13312),

Gene: Popcicle_24 Start: 15244, Stop: 15627, Start Num: 57
Candidate Starts for Popcicle_24:
(Start: 57 @15244 has 289 MA's), (75, 15337), (89, 15403), (91, 15412), (94, 15439), (106, 15484), (119, 15538), (123, 15556), (130, 15583),

Gene: PotatoSplit_26 Start: 15120, Stop: 15581, Start Num: 48
Candidate Starts for PotatoSplit_26:
(Start: 48 @15120 has 41 MA's), (Start: 57 @15183 has 289 MA's), (75, 15276), (77, 15288), (83, 15321), (87, 15333), (99, 15408), (102, 15417), (106, 15438), (116, 15480), (123, 15510), (130, 15537),

Gene: Power_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for Power_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (113, 16013), (127, 16073), (130, 16088),

Gene: PowerRanger_22 Start: 16206, Stop: 16592, Start Num: 60
Candidate Starts for PowerRanger_22:
(Start: 38 @16107 has 24 MA's), (Start: 60 @16206 has 202 MA's), (77, 16314), (88, 16365), (91, 16377), (94, 16410), (106, 16455), (127, 16533), (130, 16548), (134, 16563),

Gene: Priamo_27 Start: 15941, Stop: 16345, Start Num: 59
Candidate Starts for Priamo_27:
(Start: 59 @15941 has 322 MA's), (83, 16079), (89, 16100), (94, 16148), (104, 16181), (106, 16193), (127, 16286), (130, 16301),

Gene: Prinashe11_20 Start: 14414, Stop: 14794, Start Num: 59
Candidate Starts for Prinashe11_20:
(Start: 59 @14414 has 322 MA's), (66, 14453), (67, 14471), (80, 14525), (83, 14549), (89, 14570), (92, 14579), (94, 14606), (101, 14627), (105, 14642), (110, 14663), (111, 14675), (121, 14714), (130,

14747), (135, 14774),

Gene: Priya_25 Start: 16645, Stop: 17040, Start Num: 59
Candidate Starts for Priya_25:
(Start: 59 @16645 has 322 MA's), (71, 16717), (80, 16756), (96, 16858), (99, 16867), (121, 16963), (127, 16981), (130, 16996),

Gene: ProMouse_23 Start: 16041, Stop: 16418, Start Num: 60
Candidate Starts for ProMouse_23:
(18, 15894), (54, 16008), (Start: 60 @16041 has 202 MA's), (69, 16110), (74, 16134), (77, 16149), (78, 16152), (117, 16320),

Gene: Provolone_17 Start: 10574, Stop: 10897, Start Num: 61
Candidate Starts for Provolone_17:
(30, 10469), (34, 10475), (Start: 61 @10574 has 110 MA's), (103, 10757), (123, 10841),

Gene: Prudy_27 Start: 17614, Stop: 18021, Start Num: 59
Candidate Starts for Prudy_27:
(Start: 59 @17614 has 322 MA's), (72, 17701), (83, 17755), (89, 17776), (105, 17860), (106, 17869), (127, 17962), (130, 17977),

Gene: Puginator_18 Start: 11374, Stop: 11715, Start Num: 61
Candidate Starts for Puginator_18:
(56, 11356), (Start: 61 @11374 has 110 MA's), (89, 11530), (134, 11686),

Gene: Pukovnik_26 Start: 17453, Stop: 17851, Start Num: 59
Candidate Starts for Pukovnik_26:
(3, 17186), (9, 17237), (Start: 26 @17351 has 1 MA's), (Start: 59 @17453 has 322 MA's), (77, 17558), (127, 17792), (128, 17795),

Gene: Pumbaa_23 Start: 15073, Stop: 15444, Start Num: 57
Candidate Starts for Pumbaa_23:
(Start: 57 @15073 has 289 MA's), (69, 15139), (75, 15166), (102, 15286), (125, 15379), (127, 15385),

Gene: Puppet_22 Start: 15591, Stop: 15968, Start Num: 60
Candidate Starts for Puppet_22:
(Start: 60 @15591 has 202 MA's), (81, 15720), (83, 15732), (105, 15822), (134, 15939),

Gene: Puppy_24 Start: 14251, Stop: 14700, Start Num: 48
Candidate Starts for Puppy_24:
(Start: 23 @14203 has 2 MA's), (Start: 48 @14251 has 41 MA's), (Start: 57 @14317 has 289 MA's), (75, 14410), (89, 14476), (91, 14485), (94, 14512), (106, 14557), (123, 14629), (127, 14641), (130, 14656),

Gene: PurpleHaze_25 Start: 15260, Stop: 15658, Start Num: 57
Candidate Starts for PurpleHaze_25:
(Start: 57 @15260 has 289 MA's), (71, 15332), (75, 15353), (77, 15365), (99, 15485), (102, 15494), (106, 15515), (116, 15557), (121, 15581), (123, 15587), (130, 15614),

Gene: QTRlifeCrisis_22 Start: 15995, Stop: 16366, Start Num: 60
Candidate Starts for QTRlifeCrisis_22:
(Start: 38 @15896 has 24 MA's), (Start: 60 @15995 has 202 MA's), (69, 16064), (78, 16106), (84, 16139), (121, 16289), (126, 16304), (127, 16307), (128, 16310),

Gene: Qobbit_25 Start: 16644, Stop: 17039, Start Num: 59
Candidate Starts for Qobbit_25:
(Start: 59 @16644 has 322 MA's), (71, 16716), (80, 16755), (96, 16857), (99, 16866), (121, 16962), (127, 16980), (130, 16995),

Gene: QueenB2_24 Start: 15843, Stop: 16250, Start Num: 59
Candidate Starts for QueenB2_24:
(Start: 36 @15750 has 2 MA's), (Start: 59 @15843 has 322 MA's), (72, 15927), (95, 16056), (106, 16098), (113, 16131), (127, 16191), (130, 16206),

Gene: QueenBeesly_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for QueenBeesly_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (113, 16013), (127, 16073), (130, 16088),

Gene: QuinnKiro_23 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for QuinnKiro_23:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Quokka_22 Start: 14715, Stop: 15119, Start Num: 59
Candidate Starts for Quokka_22:
(Start: 59 @14715 has 322 MA's), (72, 14799), (76, 14811), (116, 15012),

Gene: R4_16 Start: 10901, Stop: 11242, Start Num: 61
Candidate Starts for R4_16:
(55, 10883), (Start: 61 @10901 has 110 MA's), (89, 11057), (97, 11072), (108, 11105), (119, 11153), (134, 11213),

Gene: Rachaly_27 Start: 17446, Stop: 17850, Start Num: 59
Candidate Starts for Rachaly_27:
(Start: 59 @17446 has 322 MA's), (68, 17509), (72, 17530), (83, 17584), (94, 17653), (106, 17698), (113, 17731), (127, 17791), (130, 17806),

Gene: Rahalelujah_23 Start: 14692, Stop: 15087, Start Num: 59
Candidate Starts for Rahalelujah_23:
(Start: 59 @14692 has 322 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: Raid_22 Start: 15263, Stop: 15649, Start Num: 60
Candidate Starts for Raid_22:
(Start: 60 @15263 has 202 MA's), (77, 15371), (88, 15422), (91, 15434), (94, 15467), (106, 15512), (127, 15590), (130, 15605), (134, 15620),

Gene: Rajelicia_22 Start: 15788, Stop: 16165, Start Num: 60
Candidate Starts for Rajelicia_22:
(Start: 60 @15788 has 202 MA's), (69, 15857), (74, 15881), (77, 15896), (78, 15899), (117, 16067),

Gene: Rana_16 Start: 10924, Stop: 11247, Start Num: 61
Candidate Starts for Rana_16:
(Start: 61 @10924 has 110 MA's), (89, 11077), (119, 11173),

Gene: Rasputin_19 Start: 11317, Stop: 11667, Start Num: 57
Candidate Starts for Rasputin_19:
(Start: 57 @11317 has 289 MA's), (100, 11512), (125, 11617), (127, 11623), (134, 11653),

Gene: Ravana_26 Start: 14909, Stop: 15292, Start Num: 59
Candidate Starts for Ravana_26:
(54, 14879), (Start: 59 @14909 has 322 MA's), (74, 14999), (120, 15209), (125, 15227), (127, 15233), (134, 15263),

Gene: ReMo_26 Start: 14948, Stop: 15331, Start Num: 59
Candidate Starts for ReMo_26:
(54, 14918), (Start: 59 @14948 has 322 MA's), (74, 15038), (120, 15248), (125, 15266), (127, 15272), (134, 15302),

Gene: Reba_26 Start: 14926, Stop: 15324, Start Num: 57
Candidate Starts for Reba_26:
(Start: 57 @14926 has 289 MA's), (71, 14998), (75, 15019), (77, 15031), (99, 15151), (102, 15160), (106, 15181), (116, 15223), (121, 15247), (123, 15253), (130, 15280),

Gene: Rebeuca_24 Start: 15099, Stop: 15467, Start Num: 57
Candidate Starts for Rebeuca_24:
(Start: 48 @15036 has 41 MA's), (Start: 57 @15099 has 289 MA's), (67, 15159), (69, 15165), (83, 15237), (102, 15309), (105, 15321), (123, 15396), (125, 15402), (127, 15408),

Gene: RedBear_18 Start: 11188, Stop: 11511, Start Num: 61
Candidate Starts for RedBear_18:
(Start: 61 @11188 has 110 MA's), (78, 11290), (119, 11437), (134, 11497),

Gene: RedRock_27 Start: 17739, Stop: 18143, Start Num: 59
Candidate Starts for RedRock_27:
(Start: 26 @17634 has 1 MA's), (Start: 48 @17676 has 41 MA's), (Start: 59 @17739 has 322 MA's), (72, 17823), (74, 17829), (83, 17877), (89, 17898), (105, 17982), (106, 17991), (127, 18084), (130, 18099),

Gene: Refuge_27 Start: 18154, Stop: 18549, Start Num: 59
Candidate Starts for Refuge_27:
(Start: 59 @18154 has 322 MA's), (71, 18226), (75, 18244), (77, 18256), (80, 18265), (83, 18289), (99, 18376), (121, 18472), (127, 18490), (130, 18505),

Gene: Relief_23 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for Relief_23:
(Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: Remus_26 Start: 14909, Stop: 15292, Start Num: 59
Candidate Starts for Remus_26:
(54, 14879), (Start: 59 @14909 has 322 MA's), (74, 14999), (120, 15209), (125, 15227), (127, 15233), (134, 15263),

Gene: ResDef_24 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for ResDef_24:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Retro23_24 Start: 15867, Stop: 16274, Start Num: 59
Candidate Starts for Retro23_24:
(Start: 59 @15867 has 322 MA's), (63, 15894), (68, 15930), (72, 15951), (106, 16122), (113, 16155), (127, 16215), (130, 16230),

Gene: RexFury_19 Start: 11380, Stop: 11730, Start Num: 57
Candidate Starts for RexFury_19:
(Start: 57 @11380 has 289 MA's), (84, 11518), (86, 11524), (100, 11575), (125, 11680), (127, 11686), (134, 11716),

Gene: Rhodalysa_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Rhodalysa_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: RhynO_24 Start: 15068, Stop: 15436, Start Num: 57
Candidate Starts for RhynO_24:
(Start: 57 @15068 has 289 MA's), (67, 15128), (69, 15134), (83, 15206), (102, 15278), (105, 15290), (109, 15308), (123, 15365), (125, 15371), (127, 15377),

Gene: Rhynn_22 Start: 15497, Stop: 15973, Start Num: 38
Candidate Starts for Rhynn_22:
(Start: 38 @15497 has 24 MA's), (Start: 60 @15596 has 202 MA's), (81, 15725), (83, 15737), (134, 15944),

Gene: RidgeCB_22 Start: 15371, Stop: 15748, Start Num: 60
Candidate Starts for RidgeCB_22:
(Start: 60 @15371 has 202 MA's), (81, 15500), (83, 15512), (105, 15602), (134, 15719),

Gene: Rifter_27 Start: 15896, Stop: 16300, Start Num: 59
Candidate Starts for Rifter_27:
(Start: 48 @15833 has 41 MA's), (Start: 59 @15896 has 322 MA's), (83, 16034), (89, 16055), (94, 16103), (104, 16136), (106, 16148), (127, 16241),

Gene: Ringer_22 Start: 15915, Stop: 16301, Start Num: 60
Candidate Starts for Ringer_22:
(Start: 14 @15741 has 1 MA's), (Start: 38 @15816 has 24 MA's), (Start: 60 @15915 has 202 MA's), (77, 16023), (88, 16074), (91, 16086), (94, 16119), (106, 16164), (127, 16242), (130, 16257), (134, 16272),

Gene: Roary_20 Start: 13718, Stop: 14083, Start Num: 59
Candidate Starts for Roary_20:
(Start: 59 @13718 has 322 MA's), (67, 13778), (71, 13790), (88, 13874), (89, 13877), (94, 13913), (102, 13937), (125, 14033),

Gene: RockieBear_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for RockieBear_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Rocksand_23 Start: 15094, Stop: 15465, Start Num: 57
Candidate Starts for Rocksand_23:
(Start: 57 @15094 has 289 MA's), (69, 15160), (75, 15187), (102, 15307), (125, 15400), (127, 15406),

Gene: Rockstar_23 Start: 14553, Stop: 15002, Start Num: 48
Candidate Starts for Rockstar_23:
(Start: 48 @14553 has 41 MA's), (Start: 57 @14619 has 289 MA's), (89, 14778), (91, 14787), (94, 14814), (106, 14859), (123, 14931), (130, 14958),

Gene: Rohr_23 Start: 15793, Stop: 16170, Start Num: 60
Candidate Starts for Rohr_23:
(Start: 38 @15694 has 24 MA's), (Start: 60 @15793 has 202 MA's), (81, 15922), (83, 15934), (105, 16024), (134, 16141),

Gene: Roimos_23 Start: 14601, Stop: 15050, Start Num: 48
Candidate Starts for Roimos_23:
(Start: 23 @14553 has 2 MA's), (Start: 48 @14601 has 41 MA's), (Start: 57 @14667 has 289 MA's), (75, 14760), (89, 14826), (91, 14835), (94, 14862), (106, 14907), (123, 14979), (127, 14991), (130, 15006),

Gene: Roksolana_27 Start: 15924, Stop: 16328, Start Num: 59
Candidate Starts for Roksolana_27:
(Start: 48 @15861 has 41 MA's), (Start: 59 @15924 has 322 MA's), (83, 16062), (89, 16083), (94, 16131), (104, 16164), (106, 16176), (127, 16269),

Gene: Romney_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Romney_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Roosevelt_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Roosevelt_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Rosa24_22 Start: 15070, Stop: 15441, Start Num: 57
Candidate Starts for Rosa24_22:
(Start: 57 @15070 has 289 MA's), (69, 15136), (75, 15163), (102, 15283), (125, 15376), (127, 15382),

Gene: Rosalind_26 Start: 15070, Stop: 15453, Start Num: 59
Candidate Starts for Rosalind_26:
(54, 15040), (Start: 59 @15070 has 322 MA's), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: Rowdy_26 Start: 14979, Stop: 15347, Start Num: 57
Candidate Starts for Rowdy_26:
(Start: 57 @14979 has 289 MA's), (67, 15039), (69, 15045), (83, 15117), (102, 15189), (105, 15201), (109, 15219), (123, 15276), (125, 15282), (127, 15288),

Gene: Rubeus_23 Start: 15628, Stop: 16005, Start Num: 60
Candidate Starts for Rubeus_23:
(Start: 60 @15628 has 202 MA's), (83, 15769), (105, 15859), (134, 15976),

Gene: Rufus_23 Start: 15862, Stop: 16341, Start Num: 38
Candidate Starts for Rufus_23:
(Start: 38 @15862 has 24 MA's), (Start: 60 @15964 has 202 MA's), (69, 16033), (74, 16057), (77, 16072), (78, 16075), (81, 16093), (117, 16243), (134, 16312),

Gene: Ruin_23 Start: 15094, Stop: 15465, Start Num: 57
Candidate Starts for Ruin_23:

(Start: 57 @15094 has 289 MA's), (69, 15160), (75, 15187), (102, 15307), (125, 15400), (127, 15406),

Gene: Rummer_25 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for Rummer_25:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: Ruotula_22 Start: 15800, Stop: 16186, Start Num: 60
Candidate Starts for Ruotula_22:
(49, 15737), (Start: 60 @15800 has 202 MA's), (77, 15908), (88, 15959), (91, 15971), (94, 16004), (106, 16049), (127, 16127), (130, 16142), (134, 16157),

Gene: Rusticus_17 Start: 11113, Stop: 11436, Start Num: 61
Candidate Starts for Rusticus_17:
(Start: 61 @11113 has 110 MA's), (134, 11422),

Gene: Rutherferd_24 Start: 16202, Stop: 16579, Start Num: 60
Candidate Starts for Rutherferd_24:
(Start: 14 @16028 has 1 MA's), (Start: 38 @16103 has 24 MA's), (Start: 60 @16202 has 202 MA's), (81, 16331), (83, 16343), (105, 16433), (134, 16550),

Gene: RyeScarlet_25 Start: 16618, Stop: 17013, Start Num: 59
Candidate Starts for RyeScarlet_25:
(Start: 59 @16618 has 322 MA's), (71, 16690), (80, 16729), (96, 16831), (99, 16840), (121, 16936), (127, 16954), (130, 16969),

Gene: STLscum_23 Start: 16004, Stop: 16390, Start Num: 60
Candidate Starts for STLscum_23:
(Start: 60 @16004 has 202 MA's), (77, 16112), (88, 16163), (91, 16175), (94, 16208), (106, 16253), (127, 16331), (130, 16346), (134, 16361),

Gene: Sabertooth_24 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Sabertooth_24:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Sabia_26 Start: 15113, Stop: 15574, Start Num: 48
Candidate Starts for Sabia_26:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Sabinator_25 Start: 15118, Stop: 15579, Start Num: 48
Candidate Starts for Sabinator_25:
(Start: 48 @15118 has 41 MA's), (Start: 57 @15181 has 289 MA's), (75, 15274), (77, 15286), (83, 15319), (87, 15331), (99, 15406), (102, 15415), (106, 15436), (116, 15478), (123, 15508), (130, 15535),

Gene: Sachima_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for Sachima_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Saftant_16 Start: 10847, Stop: 11170, Start Num: 61
Candidate Starts for Saftant_16:
(Start: 61 @10847 has 110 MA's), (103, 11030), (123, 11114),

Gene: Sagefire_23 Start: 16302, Stop: 16781, Start Num: 38
Candidate Starts for Sagefire_23:
(Start: 38 @16302 has 24 MA's), (Start: 60 @16404 has 202 MA's), (69, 16473), (74, 16497), (77, 16512), (78, 16515), (81, 16533), (117, 16683),

Gene: Saintus_20 Start: 13733, Stop: 14098, Start Num: 59
Candidate Starts for Saintus_20:
(Start: 59 @13733 has 322 MA's), (67, 13793), (71, 13805), (88, 13889), (89, 13892), (94, 13928), (102, 13952), (125, 14048),

Gene: Salz_24 Start: 16353, Stop: 16748, Start Num: 59
Candidate Starts for Salz_24:
(Start: 59 @16353 has 322 MA's), (71, 16425), (74, 16443), (86, 16500), (102, 16578), (121, 16671),

Gene: Sandaddy_21 Start: 15517, Stop: 15894, Start Num: 60
Candidate Starts for Sandaddy_21:
(Start: 60 @15517 has 202 MA's), (69, 15586), (74, 15610), (77, 15625), (78, 15628), (81, 15646), (117, 15796),

Gene: Sanya_22 Start: 16179, Stop: 16556, Start Num: 60
Candidate Starts for Sanya_22:
(Start: 60 @16179 has 202 MA's), (69, 16248), (74, 16272), (77, 16287), (78, 16290), (81, 16308), (117, 16458),

Gene: SarFire_22 Start: 15657, Stop: 16034, Start Num: 60
Candidate Starts for SarFire_22:
(Start: 60 @15657 has 202 MA's), (69, 15726), (74, 15750), (77, 15765), (78, 15768), (117, 15936),

Gene: SarahRose_16 Start: 10927, Stop: 11250, Start Num: 61
Candidate Starts for SarahRose_16:
(Start: 61 @10927 has 110 MA's), (119, 11176), (134, 11236),

Gene: Saskia_24 Start: 16356, Stop: 16751, Start Num: 59
Candidate Starts for Saskia_24:
(Start: 59 @16356 has 322 MA's), (71, 16428), (74, 16446), (86, 16503), (102, 16581), (121, 16674),

Gene: SaturnRing_23 Start: 14698, Stop: 15081, Start Num: 57
Candidate Starts for SaturnRing_23:
(Start: 23 @14584 has 2 MA's), (Start: 48 @14632 has 41 MA's), (Start: 57 @14698 has 289 MA's), (75, 14791), (89, 14857), (91, 14866), (94, 14893), (106, 14938), (123, 15010), (127, 15022), (130, 15037),

Gene: Scamp_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Scamp_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Scherzo_25 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Scherzo_25:

(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: Scorpia_21 Start: 14261, Stop: 14641, Start Num: 59
Candidate Starts for Scorpia_21:
(Start: 48 @14198 has 41 MA's), (Start: 59 @14261 has 322 MA's), (83, 14396), (89, 14417), (94, 14453), (105, 14489), (123, 14567), (130, 14594), (134, 14609),

Gene: Scout_23 Start: 13998, Stop: 14381, Start Num: 57
Candidate Starts for Scout_23:
(Start: 23 @13884 has 2 MA's), (Start: 48 @13932 has 41 MA's), (Start: 57 @13998 has 289 MA's), (75, 14091), (89, 14157), (91, 14166), (94, 14193), (106, 14238), (123, 14310), (127, 14322), (130, 14337),

Gene: Scowl_24 Start: 16056, Stop: 16427, Start Num: 60
Candidate Starts for Scowl_24:
(24, 15945), (Start: 27 @15951 has 1 MA's), (Start: 38 @15966 has 24 MA's), (Start: 60 @16056 has 202 MA's), (69, 16125), (78, 16167), (84, 16200), (121, 16350), (126, 16365), (127, 16368), (128, 16371),

Gene: Seabiscuit_24 Start: 15587, Stop: 15964, Start Num: 60
Candidate Starts for Seabiscuit_24:
(Start: 60 @15587 has 202 MA's), (69, 15656), (74, 15680), (77, 15695), (78, 15698), (117, 15866),

Gene: Seanderson_23 Start: 16037, Stop: 16414, Start Num: 60
Candidate Starts for Seanderson_23:
(Start: 38 @15938 has 24 MA's), (Start: 60 @16037 has 202 MA's), (69, 16106), (74, 16130), (77, 16145), (78, 16148), (81, 16166), (117, 16316), (134, 16385),

Gene: SemperFi_26 Start: 16142, Stop: 16549, Start Num: 59
Candidate Starts for SemperFi_26:
(8, 15908), (12, 15935), (Start: 26 @16040 has 1 MA's), (Start: 59 @16142 has 322 MA's), (63, 16169), (68, 16205), (72, 16226), (106, 16397), (113, 16430), (127, 16490), (130, 16505),

Gene: SenorClean_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for SenorClean_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Serenity_23 Start: 14766, Stop: 15170, Start Num: 59
Candidate Starts for Serenity_23:
(Start: 59 @14766 has 322 MA's), (72, 14850), (76, 14862), (95, 14976), (116, 15063),

Gene: Severus_22 Start: 13009, Stop: 13377, Start Num: 57
Candidate Starts for Severus_22:
(Start: 48 @12946 has 41 MA's), (Start: 57 @13009 has 289 MA's), (67, 13069), (69, 13075), (83, 13147), (102, 13219), (106, 13240), (107, 13243), (125, 13312),

Gene: Shaka_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Shaka_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Sham4_24 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Sham4_24:

(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: Shapes_26 Start: 14979, Stop: 15347, Start Num: 57
Candidate Starts for Shapes_26:
(Start: 57 @14979 has 289 MA's), (67, 15039), (69, 15045), (83, 15117), (102, 15189), (105, 15201), (109, 15219), (123, 15276), (125, 15282), (127, 15288),

Gene: ShayRa_27 Start: 15070, Stop: 15453, Start Num: 59
Candidate Starts for ShayRa_27:
(54, 15040), (Start: 59 @15070 has 322 MA's), (74, 15160), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: SheaKeira_24 Start: 14773, Stop: 15168, Start Num: 59
Candidate Starts for SheaKeira_24:
(Start: 59 @14773 has 322 MA's), (71, 14845), (83, 14908), (96, 14986), (99, 14995), (121, 15091), (127, 15109), (130, 15124),

Gene: Sheen_25 Start: 16821, Stop: 17186, Start Num: 59
Candidate Starts for Sheen_25:
(Start: 59 @16821 has 322 MA's), (68, 16884), (82, 16956), (114, 17085), (116, 17094), (124, 17133), (130, 17157), (134, 17172),

Gene: SheldonCooper_24 Start: 15410, Stop: 15781, Start Num: 57
Candidate Starts for SheldonCooper_24:
(Start: 57 @15410 has 289 MA's), (69, 15476), (75, 15503), (102, 15623), (125, 15716), (127, 15722),

Gene: Shep_23 Start: 13887, Stop: 14336, Start Num: 48
Candidate Starts for Shep_23:
(Start: 23 @13839 has 2 MA's), (Start: 48 @13887 has 41 MA's), (Start: 57 @13953 has 289 MA's), (75, 14046), (89, 14112), (91, 14121), (94, 14148), (106, 14193), (123, 14265), (127, 14277), (130, 14292),

Gene: ShortQueendom_22 Start: 15477, Stop: 15854, Start Num: 60
Candidate Starts for ShortQueendom_22:
(28, 15363), (Start: 48 @15405 has 41 MA's), (Start: 60 @15477 has 202 MA's), (69, 15546), (74, 15570), (77, 15585), (78, 15588), (81, 15606), (117, 15756),

Gene: Shuman_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Shuman_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Shygu2_23 Start: 15089, Stop: 15460, Start Num: 57
Candidate Starts for Shygu2_23:
(43, 15002), (Start: 57 @15089 has 289 MA's), (69, 15155), (75, 15182), (80, 15203), (83, 15227), (102, 15302), (125, 15395), (127, 15401),

Gene: Sibs6_24 Start: 16113, Stop: 16490, Start Num: 60
Candidate Starts for Sibs6_24:
(Start: 38 @16014 has 24 MA's), (Start: 60 @16113 has 202 MA's), (77, 16221), (81, 16242), (83, 16254), (105, 16344), (134, 16461),

Gene: Skadoosh_23 Start: 15098, Stop: 15469, Start Num: 57

Candidate Starts for Skadoosh_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: SkiPole_24 Start: 15639, Stop: 16118, Start Num: 36
Candidate Starts for SkiPole_24:
(Start: 36 @15639 has 2 MA's), (52, 15705), (Start: 60 @15741 has 202 MA's), (78, 15852), (102, 15960), (105, 15972), (121, 16041),

Gene: Skipitt_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for Skipitt_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Sknot_24 Start: 15854, Stop: 16258, Start Num: 59
Candidate Starts for Sknot_24:
(54, 15827), (Start: 59 @15854 has 322 MA's), (63, 15881), (72, 15938), (105, 16097), (106, 16106), (127, 16199), (130, 16214),

Gene: Slagathor_23 Start: 15366, Stop: 15842, Start Num: 38
Candidate Starts for Slagathor_23:
(Start: 38 @15366 has 24 MA's), (Start: 60 @15465 has 202 MA's), (69, 15534), (74, 15558), (77, 15573), (78, 15576), (81, 15594), (117, 15744),

Gene: Smairt_23 Start: 16297, Stop: 16674, Start Num: 60
Candidate Starts for Smairt_23:
(Start: 60 @16297 has 202 MA's), (69, 16366), (74, 16390), (77, 16405), (78, 16408), (81, 16426), (117, 16576),

Gene: Smeadley_20 Start: 13751, Stop: 14116, Start Num: 59
Candidate Starts for Smeadley_20:
(Start: 59 @13751 has 322 MA's), (67, 13811), (71, 13823), (88, 13907), (89, 13910), (94, 13946), (102, 13970), (125, 14066),

Gene: Smeagan_26 Start: 16293, Stop: 16700, Start Num: 59
Candidate Starts for Smeagan_26:
(Start: 59 @16293 has 322 MA's), (63, 16320), (68, 16356), (72, 16377), (95, 16506), (106, 16548), (113, 16581), (127, 16641), (130, 16656),

Gene: Smeagol_24 Start: 16886, Stop: 17263, Start Num: 60
Candidate Starts for Smeagol_24:
(Start: 60 @16886 has 202 MA's), (83, 17027), (105, 17117), (134, 17234),

Gene: SmellyB_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for SmellyB_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282), (135, 16309),

Gene: SnapTap_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for SnapTap_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (113, 16013), (127, 16073), (130, 16088),

Gene: Snape_24 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Snape_24:

(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: Snazzy_20 Start: 14986, Stop: 15363, Start Num: 60
Candidate Starts for Snazzy_20:
(Start: 60 @14986 has 202 MA's), (69, 15055), (74, 15079), (77, 15094), (78, 15097), (81, 15115), (117, 15265),

Gene: Snickers_25 Start: 15157, Stop: 15555, Start Num: 57
Candidate Starts for Snickers_25:
(Start: 48 @15094 has 41 MA's), (Start: 57 @15157 has 289 MA's), (75, 15250), (77, 15262), (83, 15295), (87, 15307), (99, 15382), (102, 15391), (106, 15412), (116, 15454), (123, 15484), (130, 15511),

Gene: Snorlax_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for Snorlax_16:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: SoYo_25 Start: 15094, Stop: 15492, Start Num: 57
Candidate Starts for SoYo_25:
(Start: 48 @15031 has 41 MA's), (Start: 57 @15094 has 289 MA's), (75, 15187), (77, 15199), (83, 15232), (87, 15244), (99, 15319), (102, 15328), (106, 15349), (116, 15391), (123, 15421), (130, 15448),

Gene: SoilDragon_25 Start: 14871, Stop: 15269, Start Num: 57
Candidate Starts for SoilDragon_25:
(Start: 48 @14808 has 41 MA's), (Start: 57 @14871 has 289 MA's), (75, 14964), (77, 14976), (83, 15009), (87, 15021), (99, 15096), (102, 15105), (106, 15126), (116, 15168), (123, 15198), (130, 15225),

Gene: Solon_22 Start: 16148, Stop: 16525, Start Num: 60
Candidate Starts for Solon_22:
(Start: 38 @16049 has 24 MA's), (Start: 60 @16148 has 202 MA's), (69, 16217), (74, 16241), (77, 16256), (78, 16259), (81, 16277), (117, 16427), (134, 16496),

Gene: SororFago_23 Start: 14931, Stop: 15332, Start Num: 59
Candidate Starts for SororFago_23:
(Start: 59 @14931 has 322 MA's), (63, 14958), (76, 15027), (83, 15069), (93, 15111), (113, 15216), (127, 15273),

Gene: Sorpresa_22 Start: 15517, Stop: 15894, Start Num: 60
Candidate Starts for Sorpresa_22:
(Start: 60 @15517 has 202 MA's), (69, 15586), (74, 15610), (77, 15625), (78, 15628), (81, 15646), (117, 15796),

Gene: Soshari_27 Start: 15203, Stop: 15664, Start Num: 48
Candidate Starts for Soshari_27:
(Start: 48 @15203 has 41 MA's), (Start: 57 @15266 has 289 MA's), (75, 15359), (77, 15371), (83, 15404), (87, 15416), (99, 15491), (102, 15500), (106, 15521), (116, 15563), (123, 15593), (130, 15620),

Gene: Soups_26 Start: 15070, Stop: 15453, Start Num: 59
Candidate Starts for Soups_26:
(54, 15040), (Start: 59 @15070 has 322 MA's), (120, 15370), (125, 15388), (127, 15394), (134, 15424),

Gene: South40_17 Start: 11188, Stop: 11511, Start Num: 61
Candidate Starts for South40_17:
(Start: 61 @11188 has 110 MA's), (78, 11290), (119, 11437), (134, 11497),

Gene: Sparxx_23 Start: 15096, Stop: 15467, Start Num: 57
Candidate Starts for Sparxx_23:
(42, 15009), (Start: 48 @15033 has 41 MA's), (Start: 57 @15096 has 289 MA's), (69, 15162), (75, 15189), (102, 15309), (125, 15402), (127, 15408),

Gene: Speedwell_21 Start: 12580, Stop: 12903, Start Num: 61
Candidate Starts for Speedwell_21:
(Start: 61 @12580 has 110 MA's), (103, 12763), (123, 12847),

Gene: Spike509_26 Start: 15267, Stop: 15665, Start Num: 57
Candidate Starts for Spike509_26:
(Start: 48 @15204 has 41 MA's), (Start: 57 @15267 has 289 MA's), (75, 15360), (77, 15372), (83, 15405), (87, 15417), (99, 15492), (102, 15501), (106, 15522), (116, 15564), (123, 15594), (130, 15621),

Gene: SpikeBT_24 Start: 16453, Stop: 16830, Start Num: 60
Candidate Starts for SpikeBT_24:
(28, 16339), (Start: 48 @16381 has 41 MA's), (Start: 60 @16453 has 202 MA's), (69, 16522), (74, 16546), (77, 16561), (78, 16564), (81, 16582), (117, 16732),

Gene: Spino_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Spino_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Spouty_25 Start: 16644, Stop: 17039, Start Num: 59
Candidate Starts for Spouty_25:
(Start: 59 @16644 has 322 MA's), (71, 16716), (80, 16755), (96, 16857), (99, 16866), (121, 16962), (127, 16980), (130, 16995),

Gene: SqueakyClean_17 Start: 11033, Stop: 11374, Start Num: 61
Candidate Starts for SqueakyClean_17:
(55, 11015), (Start: 61 @11033 has 110 MA's), (89, 11189), (134, 11345),

Gene: Squee_23 Start: 16286, Stop: 16657, Start Num: 60
Candidate Starts for Squee_23:
(Start: 38 @16187 has 24 MA's), (Start: 60 @16286 has 202 MA's), (69, 16355), (78, 16397), (84, 16430), (121, 16580), (126, 16595), (127, 16598), (128, 16601),

Gene: StCroix_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for StCroix_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Stagni_26 Start: 15185, Stop: 15583, Start Num: 57
Candidate Starts for Stagni_26:
(Start: 48 @15122 has 41 MA's), (Start: 57 @15185 has 289 MA's), (75, 15278), (77, 15290), (83, 15323), (87, 15335), (99, 15410), (102, 15419), (106, 15440), (116, 15482), (123, 15512), (130, 15539),

Gene: StarStuff_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for StarStuff_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: Stasia_24 Start: 15537, Stop: 15908, Start Num: 57
Candidate Starts for Stasia_24:
(Start: 57 @15537 has 289 MA's), (69, 15603), (71, 15609), (80, 15651), (83, 15675), (102, 15750), (117, 15810), (125, 15843), (127, 15849), (128, 15852),

Gene: SteMason_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for SteMason_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Steamy_25 Start: 16381, Stop: 16776, Start Num: 59
Candidate Starts for Steamy_25:
(Start: 59 @16381 has 322 MA's), (71, 16453), (74, 16468), (80, 16492), (83, 16516), (99, 16603), (118, 16684), (121, 16699), (130, 16732),

Gene: StepMih_25 Start: 15113, Stop: 15574, Start Num: 48
Candidate Starts for StepMih_25:
(Start: 48 @15113 has 41 MA's), (Start: 57 @15176 has 289 MA's), (75, 15269), (77, 15281), (83, 15314), (87, 15326), (99, 15401), (102, 15410), (106, 15431), (116, 15473), (123, 15503), (130, 15530),

Gene: Stephig9_20 Start: 13732, Stop: 14097, Start Num: 59
Candidate Starts for Stephig9_20:
(Start: 59 @13732 has 322 MA's), (67, 13792), (71, 13804), (88, 13888), (89, 13891), (94, 13927), (102, 13951), (125, 14047),

Gene: StewieG_21 Start: 15360, Stop: 15737, Start Num: 60
Candidate Starts for StewieG_21:
(Start: 38 @15261 has 24 MA's), (Start: 60 @15360 has 202 MA's), (69, 15429), (74, 15453), (77, 15468), (78, 15471), (81, 15489), (117, 15639),

Gene: Stink_24 Start: 15378, Stop: 15749, Start Num: 57
Candidate Starts for Stink_24:
(41, 15288), (43, 15291), (Start: 57 @15378 has 289 MA's), (69, 15444), (75, 15471), (80, 15492), (83, 15516), (102, 15591), (125, 15684), (127, 15690),

Gene: StrongArm_21 Start: 16537, Stop: 16914, Start Num: 60
Candidate Starts for StrongArm_21:
(Start: 38 @16438 has 24 MA's), (Start: 60 @16537 has 202 MA's), (69, 16606), (74, 16630), (77, 16645), (78, 16648), (81, 16666), (117, 16816), (134, 16885),

Gene: Strosahl_26 Start: 14909, Stop: 15292, Start Num: 59
Candidate Starts for Strosahl_26:
(54, 14879), (Start: 59 @14909 has 322 MA's), (74, 14999), (120, 15209), (125, 15227), (127, 15233), (134, 15263),

Gene: Sudan_16 Start: 10842, Stop: 11165, Start Num: 61
Candidate Starts for Sudan_16:
(Start: 61 @10842 has 110 MA's), (103, 11025), (123, 11109),

Gene: Sujidade_17 Start: 11228, Stop: 11551, Start Num: 61
Candidate Starts for Sujidade_17:
(Start: 61 @11228 has 110 MA's), (119, 11477), (134, 11537),

Gene: Sultana_23 Start: 15099, Stop: 15470, Start Num: 57
Candidate Starts for Sultana_23:
(Start: 57 @15099 has 289 MA's), (69, 15165), (75, 15192), (102, 15312), (125, 15405), (127, 15411),

Gene: Sumter_21 Start: 15099, Stop: 15476, Start Num: 60
Candidate Starts for Sumter_21:
(Start: 60 @15099 has 202 MA's), (78, 15210), (102, 15318), (105, 15330), (121, 15399),

Gene: Sunhee_23 Start: 14987, Stop: 15388, Start Num: 59
Candidate Starts for Sunhee_23:
(Start: 59 @14987 has 322 MA's), (76, 15083), (78, 15095), (83, 15125), (92, 15164), (113, 15272), (127, 15329),

Gene: SunkenRoot_16 Start: 11134, Stop: 11457, Start Num: 61
Candidate Starts for SunkenRoot_16:
(Start: 61 @11134 has 110 MA's), (103, 11317), (123, 11401),

Gene: SunsetPointe_16 Start: 10940, Stop: 11263, Start Num: 61
Candidate Starts for SunsetPointe_16:
(Start: 61 @10940 has 110 MA's), (119, 11189), (134, 11249),

Gene: Sunshine924_21 Start: 15083, Stop: 15460, Start Num: 60
Candidate Starts for Sunshine924_21:
(Start: 60 @15083 has 202 MA's), (78, 15194), (102, 15302), (105, 15314), (121, 15383),

Gene: SuperAwesome_27 Start: 15852, Stop: 16319, Start Num: 48
Candidate Starts for SuperAwesome_27:
(Start: 26 @15810 has 1 MA's), (Start: 39 @15825 has 3 MA's), (Start: 48 @15852 has 41 MA's), (Start: 59 @15915 has 322 MA's), (83, 16053), (89, 16074), (101, 16143), (104, 16155), (106, 16167), (127, 16260), (130, 16275),

Gene: SuperCallie99_27 Start: 15914, Stop: 16318, Start Num: 59
Candidate Starts for SuperCallie99_27:
(Start: 26 @15809 has 1 MA's), (Start: 39 @15824 has 3 MA's), (Start: 48 @15851 has 41 MA's), (Start: 59 @15914 has 322 MA's), (83, 16052), (89, 16073), (104, 16154), (106, 16166), (127, 16259), (130, 16274),

Gene: Superchunk_23 Start: 14448, Stop: 14852, Start Num: 59
Candidate Starts for Superchunk_23:
(Start: 59 @14448 has 322 MA's), (72, 14532), (83, 14586), (86, 14595), (95, 14658),

Gene: Superstar_19 Start: 11940, Stop: 12281, Start Num: 61
Candidate Starts for Superstar_19:
(Start: 61 @11940 has 110 MA's), (103, 12126), (134, 12252),

Gene: Swann_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for Swann_19:

(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: SweetiePie_24 Start: 15725, Stop: 16132, Start Num: 59
Candidate Starts for SweetiePie_24:
(Start: 59 @15725 has 322 MA's), (63, 15752), (68, 15788), (72, 15809), (106, 15980), (109, 15989), (113, 16013), (127, 16073), (130, 16088),

Gene: SwirlSquare_25 Start: 14621, Stop: 15025, Start Num: 59
Candidate Starts for SwirlSquare_25:
(Start: 59 @14621 has 322 MA's), (72, 14705), (76, 14717), (83, 14759), (84, 14762), (95, 14831), (127, 14966),

Gene: Swirley_20 Start: 14416, Stop: 14796, Start Num: 59
Candidate Starts for Swirley_20:
(Start: 59 @14416 has 322 MA's), (66, 14455), (67, 14473), (80, 14527), (83, 14551), (89, 14572), (92, 14581), (94, 14608), (101, 14629), (105, 14644), (110, 14665), (111, 14677), (121, 14716), (130, 14749), (135, 14776),

Gene: SwissCheese_22 Start: 15555, Stop: 15932, Start Num: 60
Candidate Starts for SwissCheese_22:
(Start: 38 @15453 has 24 MA's), (Start: 60 @15555 has 202 MA's), (69, 15624), (74, 15648), (77, 15663), (78, 15666), (81, 15684), (117, 15834),

Gene: Switzer_24 Start: 15693, Stop: 16070, Start Num: 60
Candidate Starts for Switzer_24:
(Start: 60 @15693 has 202 MA's), (69, 15762), (74, 15786), (77, 15801), (78, 15804), (117, 15972),

Gene: Switzerland_26 Start: 15063, Stop: 15446, Start Num: 59
Candidate Starts for Switzerland_26:
(54, 15033), (Start: 59 @15063 has 322 MA's), (74, 15153), (120, 15363), (125, 15381), (127, 15387), (134, 15417),

Gene: Swole_24 Start: 16021, Stop: 16398, Start Num: 60
Candidate Starts for Swole_24:
(Start: 38 @15919 has 24 MA's), (Start: 60 @16021 has 202 MA's), (69, 16090), (74, 16114), (77, 16129), (78, 16132), (81, 16150), (117, 16300), (134, 16369),

Gene: SydNat_20 Start: 14551, Stop: 14931, Start Num: 59
Candidate Starts for SydNat_20:
(54, 14521), (Start: 59 @14551 has 322 MA's), (80, 14662), (89, 14707), (94, 14743), (105, 14779), (110, 14800), (122, 14854), (124, 14860), (130, 14884), (135, 14911),

Gene: TNguyen7_23 Start: 14554, Stop: 15051, Start Num: 23
Candidate Starts for TNguyen7_23:
(Start: 23 @14554 has 2 MA's), (Start: 48 @14602 has 41 MA's), (Start: 57 @14668 has 289 MA's), (75, 14761), (89, 14827), (91, 14836), (94, 14863), (106, 14908), (123, 14980), (127, 14992), (130, 15007),

Gene: TWAMP_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for TWAMP_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: TagePhighter_17 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for TagePhighter_17:
(Start: 61 @10930 has 110 MA's), (119, 11179), (134, 11239),

Gene: Tailonex_20 Start: 14218, Stop: 14550, Start Num: 61
Candidate Starts for Tailonex_20:
(Start: 61 @14218 has 110 MA's), (77, 14317), (107, 14419), (130, 14515),

Gene: Takoda_19 Start: 11309, Stop: 11659, Start Num: 57
Candidate Starts for Takoda_19:
(Start: 57 @11309 has 289 MA's), (84, 11447), (86, 11453), (100, 11504), (110, 11543), (125, 11609), (127, 11615), (134, 11645),

Gene: Taquarus_23 Start: 15101, Stop: 15472, Start Num: 57
Candidate Starts for Taquarus_23:
(Start: 57 @15101 has 289 MA's), (69, 15167), (75, 15194), (102, 15314), (125, 15407), (127, 15413),

Gene: Target_24 Start: 16413, Stop: 16790, Start Num: 60
Candidate Starts for Target_24:
(Start: 36 @16311 has 2 MA's), (52, 16377), (Start: 60 @16413 has 202 MA's), (78, 16524), (102, 16632), (105, 16644), (121, 16713),

Gene: TarsusIV_24 Start: 15828, Stop: 16232, Start Num: 59
Candidate Starts for TarsusIV_24:
(Start: 59 @15828 has 322 MA's), (72, 15912), (74, 15918), (83, 15966), (95, 16038), (100, 16053), (106, 16080), (113, 16113), (127, 16173), (130, 16188),

Gene: Tarynearal_20 Start: 14444, Stop: 14824, Start Num: 59
Candidate Starts for Tarynearal_20:
(Start: 39 @14354 has 3 MA's), (Start: 59 @14444 has 322 MA's), (66, 14483), (67, 14501), (80, 14555), (83, 14579), (89, 14600), (92, 14609), (94, 14636), (101, 14657), (105, 14672), (110, 14693), (111, 14705), (121, 14744), (130, 14777), (135, 14804),

Gene: Tasp14_23 Start: 15782, Stop: 16159, Start Num: 60
Candidate Starts for Tasp14_23:
(Start: 60 @15782 has 202 MA's), (69, 15851), (74, 15875), (77, 15890), (78, 15893), (81, 15911), (117, 16061), (134, 16130),

Gene: Taurus_25 Start: 15182, Stop: 15580, Start Num: 57
Candidate Starts for Taurus_25:
(Start: 57 @15182 has 289 MA's), (75, 15275), (77, 15287), (83, 15320), (87, 15332), (99, 15407), (102, 15416), (106, 15437), (116, 15479), (123, 15509), (130, 15536),

Gene: Tefunt_16 Start: 10836, Stop: 11177, Start Num: 61
Candidate Starts for Tefunt_16:
(19, 10698), (21, 10707), (Start: 61 @10836 has 110 MA's), (84, 10974), (103, 11022), (110, 11046), (134, 11148),

Gene: Temprado_27 Start: 15920, Stop: 16324, Start Num: 59
Candidate Starts for Temprado_27:
(Start: 26 @15815 has 1 MA's), (Start: 39 @15830 has 3 MA's), (Start: 48 @15857 has 41 MA's), (Start: 59 @15920 has 322 MA's), (83, 16058), (89, 16079), (104, 16160), (106, 16172), (127, 16265),

(130, 16280),

Gene: Teodoridan_20 Start: 14925, Stop: 15302, Start Num: 60
Candidate Starts for Teodoridan_20:
(Start: 60 @14925 has 202 MA's), (69, 14994), (74, 15018), (77, 15033), (78, 15036), (81, 15054), (117, 15204),

Gene: Terrific_26 Start: 16308, Stop: 16712, Start Num: 59
Candidate Starts for Terrific_26:
(54, 16281), (Start: 59 @16308 has 322 MA's), (63, 16335), (72, 16392), (105, 16551), (106, 16560), (127, 16653), (130, 16668),

Gene: Texage_23 Start: 15248, Stop: 15631, Start Num: 57
Candidate Starts for Texage_23:
(41, 15164), (Start: 57 @15248 has 289 MA's), (75, 15341), (89, 15407), (91, 15416), (94, 15443), (106, 15488), (119, 15542), (123, 15560), (130, 15587),

Gene: Thanksgivukkah_23 Start: 15102, Stop: 15473, Start Num: 57
Candidate Starts for Thanksgivukkah_23:
(Start: 57 @15102 has 289 MA's), (69, 15168), (75, 15195), (102, 15315), (125, 15408), (127, 15414),

Gene: Theia_18 Start: 14382, Stop: 14762, Start Num: 59
Candidate Starts for Theia_18:
(Start: 59 @14382 has 322 MA's), (67, 14439), (80, 14493), (83, 14517), (89, 14538), (92, 14547), (94, 14574), (101, 14595), (105, 14610), (110, 14631), (111, 14643), (121, 14682), (130, 14715), (135, 14742),

Gene: TheloniousMonk_24 Start: 16832, Stop: 17218, Start Num: 60
Candidate Starts for TheloniousMonk_24:
(Start: 38 @16733 has 24 MA's), (Start: 60 @16832 has 202 MA's), (77, 16940), (88, 16991), (91, 17003), (94, 17036), (106, 17081), (127, 17159), (130, 17174), (134, 17189),

Gene: Thestral_17 Start: 10890, Stop: 11237, Start Num: 61
Candidate Starts for Thestral_17:
(55, 10872), (Start: 61 @10890 has 110 MA's), (89, 11046), (110, 11106),

Gene: Thor_23 Start: 15657, Stop: 16034, Start Num: 60
Candidate Starts for Thor_23:
(Start: 60 @15657 has 202 MA's), (69, 15726), (74, 15750), (77, 15765), (78, 15768), (117, 15936),

Gene: Tiffany_25 Start: 15014, Stop: 15475, Start Num: 48
Candidate Starts for Tiffany_25:
(Start: 48 @15014 has 41 MA's), (Start: 57 @15077 has 289 MA's), (75, 15170), (77, 15182), (83, 15215), (87, 15227), (99, 15302), (102, 15311), (106, 15332), (116, 15374), (123, 15404), (130, 15431),

Gene: Tiger_20 Start: 14269, Stop: 14649, Start Num: 59
Candidate Starts for Tiger_20:
(Start: 26 @14167 has 1 MA's), (Start: 59 @14269 has 322 MA's), (67, 14326), (80, 14380), (83, 14404), (89, 14425), (92, 14434), (94, 14461), (101, 14482), (105, 14497), (110, 14518), (111, 14530), (121, 14569), (130, 14602), (135, 14629),

Gene: Timothy_24 Start: 16356, Stop: 16751, Start Num: 59

Candidate Starts for Timothy_24:
(Start: 59 @16356 has 322 MA's), (71, 16428), (74, 16446), (86, 16503), (102, 16581), (121, 16674),

Gene: Timshel_24 Start: 16706, Stop: 17068, Start Num: 59
Candidate Starts for Timshel_24:
(Start: 59 @16706 has 322 MA's), (67, 16766), (114, 16970), (116, 16979), (124, 17015), (130, 17039), (134, 17054),

Gene: TinaBelcher_16 Start: 10838, Stop: 11185, Start Num: 61
Candidate Starts for TinaBelcher_16:
(55, 10820), (Start: 61 @10838 has 110 MA's), (89, 10994), (110, 11054),

Gene: TinaFeyge_24 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for TinaFeyge_24:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: TinyPebbles_25 Start: 15266, Stop: 15664, Start Num: 57
Candidate Starts for TinyPebbles_25:
(Start: 48 @15203 has 41 MA's), (Start: 57 @15266 has 289 MA's), (75, 15359), (77, 15371), (83, 15404), (87, 15416), (99, 15491), (102, 15500), (106, 15521), (116, 15563), (123, 15593), (130, 15620),

Gene: TinyTimmy_24 Start: 16399, Stop: 16794, Start Num: 59
Candidate Starts for TinyTimmy_24:
(Start: 59 @16399 has 322 MA's), (71, 16471), (74, 16489), (86, 16546), (102, 16624), (121, 16717),

Gene: Tinybot_22 Start: 15075, Stop: 15446, Start Num: 57
Candidate Starts for Tinybot_22:
(Start: 57 @15075 has 289 MA's), (69, 15141), (75, 15168), (80, 15189), (102, 15288), (125, 15381), (127, 15387),

Gene: TipsytheTRex_23 Start: 14931, Stop: 15335, Start Num: 59
Candidate Starts for TipsytheTRex_23:
(Start: 59 @14931 has 322 MA's), (72, 15015), (76, 15027), (95, 15141), (116, 15228),

Gene: TiroTheta9_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for TiroTheta9_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Toaka_23 Start: 14962, Stop: 15357, Start Num: 58
Candidate Starts for Toaka_23:
(31, 14872), (Start: 58 @14962 has 4 MA's), (65, 15001), (71, 15034), (80, 15073), (83, 15097), (96, 15175), (99, 15184), (121, 15280), (127, 15298), (130, 15313),

Gene: Todacoro_24 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Todacoro_24:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Toma_16 Start: 10936, Stop: 11259, Start Num: 61
Candidate Starts for Toma_16:
(Start: 61 @10936 has 110 MA's), (119, 11185), (134, 11245),

Gene: Tomathan_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for Tomathan_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: ToneTone_25 Start: 15774, Stop: 16241, Start Num: 48
Candidate Starts for ToneTone_25:
(Start: 48 @15774 has 41 MA's), (Start: 59 @15837 has 322 MA's), (83, 15975), (89, 15996), (94, 16044), (104, 16077), (106, 16089), (127, 16182),

Gene: Topanga_23 Start: 15051, Stop: 15419, Start Num: 57
Candidate Starts for Topanga_23:
(52, 15021), (Start: 57 @15051 has 289 MA's), (67, 15111), (69, 15117), (83, 15189), (102, 15261), (105, 15273), (123, 15348), (125, 15354), (127, 15360),

Gene: Topgun_22 Start: 15272, Stop: 15643, Start Num: 60
Candidate Starts for Topgun_22:
(Start: 38 @15173 has 24 MA's), (Start: 60 @15272 has 202 MA's), (69, 15341), (78, 15383), (84, 15416), (121, 15566), (126, 15581), (127, 15584), (128, 15587),

Gene: Toro_26 Start: 16763, Stop: 17128, Start Num: 59
Candidate Starts for Toro_26:
(Start: 59 @16763 has 322 MA's), (68, 16826), (82, 16898), (114, 17027), (116, 17036), (124, 17075), (130, 17099), (134, 17114),

Gene: Tote_24 Start: 16021, Stop: 16398, Start Num: 60
Candidate Starts for Tote_24:
(Start: 38 @15919 has 24 MA's), (Start: 60 @16021 has 202 MA's), (69, 16090), (74, 16114), (77, 16129), (78, 16132), (81, 16150), (117, 16300), (134, 16369),

Gene: Traft412_24 Start: 16491, Stop: 16868, Start Num: 60
Candidate Starts for Traft412_24:
(Start: 60 @16491 has 202 MA's), (78, 16602), (102, 16710), (105, 16722), (121, 16791),

Gene: Travvers_27 Start: 15695, Stop: 16099, Start Num: 59
Candidate Starts for Travvers_27:
(Start: 59 @15695 has 322 MA's), (72, 15779), (83, 15833), (95, 15905), (130, 16055), (131, 16058),

Gene: Treddle_24 Start: 16713, Stop: 17189, Start Num: 38
Candidate Starts for Treddle_24:
(Start: 38 @16713 has 24 MA's), (Start: 60 @16812 has 202 MA's), (69, 16881), (74, 16905), (77, 16920), (78, 16923), (117, 17091), (134, 17160),

Gene: Trike_21 Start: 13017, Stop: 13385, Start Num: 57
Candidate Starts for Trike_21:
(Start: 48 @12954 has 41 MA's), (Start: 57 @13017 has 289 MA's), (67, 13077), (69, 13083), (83, 13155), (102, 13227), (105, 13239), (125, 13320), (127, 13326),

Gene: Tripl3t_23 Start: 16497, Stop: 16883, Start Num: 60
Candidate Starts for Tripl3t_23:
(Start: 38 @16398 has 24 MA's), (Start: 60 @16497 has 202 MA's), (77, 16605), (88, 16656), (91, 16668), (94, 16701), (106, 16746), (115, 16779), (127, 16824), (130, 16839), (134, 16854),

Gene: Tristan_25 Start: 17571, Stop: 17969, Start Num: 59

Candidate Starts for Tristan_25:
(Start: 59 @17571 has 322 MA's), (77, 17676), (127, 17910), (128, 17913),

Gene: Triste_16 Start: 10921, Stop: 11244, Start Num: 61
Candidate Starts for Triste_16:
(Start: 61 @10921 has 110 MA's), (119, 11170), (134, 11230),

Gene: Triumph_18 Start: 10851, Stop: 11192, Start Num: 61
Candidate Starts for Triumph_18:
(55, 10833), (Start: 61 @10851 has 110 MA's), (89, 11007), (123, 11121), (134, 11163),

Gene: Trixie_27 Start: 17455, Stop: 17859, Start Num: 59
Candidate Starts for Trixie_27:
(Start: 26 @17350 has 1 MA's), (Start: 39 @17365 has 3 MA's), (Start: 48 @17392 has 41 MA's), (Start: 59 @17455 has 322 MA's), (68, 17518), (83, 17593), (106, 17707), (127, 17800), (130, 17815),

Gene: Trooper_24 Start: 15623, Stop: 16027, Start Num: 59
Candidate Starts for Trooper_24:
(Start: 59 @15623 has 322 MA's), (83, 15761), (95, 15833), (100, 15848), (106, 15875), (113, 15908), (127, 15968), (130, 15983),

Gene: Trouble_22 Start: 15760, Stop: 16236, Start Num: 38
Candidate Starts for Trouble_22:
(Start: 38 @15760 has 24 MA's), (Start: 60 @15859 has 202 MA's), (81, 15988), (83, 16000), (117, 16138), (134, 16207),

Gene: TroyPia_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for TroyPia_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: TrvxScott_15 Start: 10708, Stop: 11187, Start Num: 20
Candidate Starts for TrvxScott_15:
(Start: 20 @10708 has 1 MA's), (55, 10822), (Start: 61 @10840 has 110 MA's), (89, 10996), (110, 11056),

Gene: TuanPN_16 Start: 10930, Stop: 11253, Start Num: 61
Candidate Starts for TuanPN_16:
(Start: 61 @10930 has 110 MA's), (119, 11179),

Gene: Tubs_25 Start: 16614, Stop: 17009, Start Num: 59
Candidate Starts for Tubs_25:
(Start: 59 @16614 has 322 MA's), (71, 16686), (80, 16725), (96, 16827), (99, 16836), (121, 16932), (127, 16950), (130, 16965),

Gene: Tucker_27 Start: 15923, Stop: 16327, Start Num: 59
Candidate Starts for Tucker_27:
(Start: 48 @15860 has 41 MA's), (Start: 59 @15923 has 322 MA's), (83, 16061), (89, 16082), (94, 16130), (104, 16163), (106, 16175), (127, 16268),

Gene: Turbido_26 Start: 16296, Stop: 16703, Start Num: 59
Candidate Starts for Turbido_26:
(Start: 59 @16296 has 322 MA's), (72, 16380), (95, 16509), (106, 16551), (113, 16584), (127, 16644), (130, 16659),

Gene: Turj99_21 Start: 15197, Stop: 15673, Start Num: 38
Candidate Starts for Turj99_21:
(Start: 38 @15197 has 24 MA's), (Start: 60 @15296 has 202 MA's), (69, 15365), (74, 15389), (77, 15404), (78, 15407), (81, 15425), (117, 15575),

Gene: Twigg_20 Start: 14417, Stop: 14797, Start Num: 59
Candidate Starts for Twigg_20:
(Start: 26 @14312 has 1 MA's), (Start: 48 @14351 has 41 MA's), (Start: 59 @14417 has 322 MA's), (66, 14456), (67, 14474), (80, 14528), (83, 14552), (89, 14573), (92, 14582), (94, 14609), (101, 14630), (105, 14645), (110, 14666), (111, 14678), (121, 14717), (130, 14750), (135, 14777),

Gene: Twister_23 Start: 14950, Stop: 15318, Start Num: 57
Candidate Starts for Twister_23:
(52, 14920), (Start: 57 @14950 has 289 MA's), (67, 15010), (69, 15016), (83, 15088), (102, 15160), (105, 15172), (123, 15247), (125, 15253), (127, 15259),

Gene: TwoPeat_23 Start: 15811, Stop: 16188, Start Num: 60
Candidate Starts for TwoPeat_23:
(Start: 38 @15712 has 24 MA's), (Start: 60 @15811 has 202 MA's), (81, 15940), (83, 15952), (102, 16030), (105, 16042), (134, 16159),

Gene: TygerBlood_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for TygerBlood_23:
(42, 15011), (Start: 48 @15035 has 41 MA's), (Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: U2_22 Start: 15699, Stop: 16076, Start Num: 60
Candidate Starts for U2_22:
(Start: 60 @15699 has 202 MA's), (69, 15768), (74, 15792), (77, 15807), (78, 15810), (117, 15978),

Gene: Ugenie5_22 Start: 16647, Stop: 17042, Start Num: 59
Candidate Starts for Ugenie5_22:
(Start: 59 @16647 has 322 MA's), (71, 16719), (80, 16758), (96, 16860), (99, 16869), (121, 16965), (127, 16983), (130, 16998),

Gene: UhSalsa_19 Start: 11349, Stop: 11699, Start Num: 57
Candidate Starts for UhSalsa_19:
(Start: 57 @11349 has 289 MA's), (84, 11487), (86, 11493), (100, 11544), (125, 11649), (127, 11655), (134, 11685),

Gene: Ulysses_22 Start: 14819, Stop: 15190, Start Num: 57
Candidate Starts for Ulysses_22:
(Start: 57 @14819 has 289 MA's), (69, 14885), (75, 14912), (102, 15032), (125, 15125), (127, 15131),

Gene: UnionJack_21 Start: 13935, Stop: 14378, Start Num: 48
Candidate Starts for UnionJack_21:
(Start: 26 @13896 has 1 MA's), (Start: 48 @13935 has 41 MA's), (Start: 59 @13998 has 322 MA's), (66, 14037), (83, 14133), (89, 14154), (94, 14190), (105, 14226), (123, 14304), (130, 14331), (134, 14346),

Gene: Unstoppable_16 Start: 10941, Stop: 11264, Start Num: 61
Candidate Starts for Unstoppable_16:

(Start: 61 @10941 has 110 MA's), (119, 11190), (134, 11250),

Gene: Updawg_26 Start: 16296, Stop: 16700, Start Num: 59
Candidate Starts for Updawg_26:
(54, 16269), (Start: 59 @16296 has 322 MA's), (63, 16323), (72, 16380), (105, 16539), (106, 16548), (127, 16641), (130, 16656),

Gene: Urza_16 Start: 11226, Stop: 11552, Start Num: 61
Candidate Starts for Urza_16:
(Start: 61 @11226 has 110 MA's), (103, 11412), (119, 11478), (123, 11496), (134, 11538),

Gene: VA6_24 Start: 15807, Stop: 16214, Start Num: 59
Candidate Starts for VA6_24:
(Start: 39 @15717 has 3 MA's), (Start: 48 @15744 has 41 MA's), (Start: 59 @15807 has 322 MA's), (63, 15834), (68, 15870), (95, 16020), (106, 16062), (113, 16095), (127, 16155), (130, 16170),

Gene: VC3_27 Start: 15838, Stop: 16242, Start Num: 59
Candidate Starts for VC3_27:
(Start: 59 @15838 has 322 MA's), (72, 15922), (83, 15976), (95, 16048), (130, 16198), (131, 16201),

Gene: Vanisoa_23 Start: 14692, Stop: 15087, Start Num: 58
Candidate Starts for Vanisoa_23:
(31, 14602), (Start: 58 @14692 has 4 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: Vanseggelen_20 Start: 10505, Stop: 10828, Start Num: 61
Candidate Starts for Vanseggelen_20:
(Start: 61 @10505 has 110 MA's), (103, 10688), (119, 10754), (123, 10772),

Gene: Verabelle_17 Start: 10836, Stop: 11159, Start Num: 61
Candidate Starts for Verabelle_17:
(Start: 61 @10836 has 110 MA's), (103, 11019), (119, 11085),

Gene: Veracruz_23 Start: 15247, Stop: 15630, Start Num: 57
Candidate Starts for Veracruz_23:
(Start: 57 @15247 has 289 MA's), (75, 15340), (89, 15406), (91, 15415), (94, 15442), (106, 15487), (119, 15541), (123, 15559), (130, 15586),

Gene: Verse_16 Start: 11135, Stop: 11458, Start Num: 61
Candidate Starts for Verse_16:
(Start: 61 @11135 has 110 MA's), (103, 11318), (123, 11402),

Gene: VieEnRose_16 Start: 11292, Stop: 11618, Start Num: 61
Candidate Starts for VieEnRose_16:
(17, 11148), (Start: 61 @11292 has 110 MA's), (103, 11478), (119, 11544), (123, 11562), (134, 11604),

Gene: Violet_21 Start: 16104, Stop: 16481, Start Num: 60
Candidate Starts for Violet_21:
(Start: 60 @16104 has 202 MA's), (69, 16173), (74, 16197), (77, 16212), (78, 16215), (81, 16233), (117, 16383),

Gene: Vix_25 Start: 15265, Stop: 15663, Start Num: 57
Candidate Starts for Vix_25:

(Start: 48 @15202 has 41 MA's), (Start: 57 @15265 has 289 MA's), (75, 15358), (77, 15370), (83, 15403), (87, 15415), (99, 15490), (102, 15499), (106, 15520), (116, 15562), (123, 15592), (130, 15619),

Gene: VohminGhazi_27 Start: 15922, Stop: 16326, Start Num: 59
Candidate Starts for VohminGhazi_27:
(Start: 48 @15859 has 41 MA's), (Start: 59 @15922 has 322 MA's), (83, 16060), (89, 16081), (104, 16162), (106, 16174), (127, 16267), (130, 16282),

Gene: Waits_26 Start: 14915, Stop: 15298, Start Num: 59
Candidate Starts for Waits_26:
(54, 14885), (Start: 59 @14915 has 322 MA's), (74, 15005), (120, 15215), (125, 15233), (127, 15239), (134, 15269),

Gene: WalterMcMickey_23 Start: 14950, Stop: 15318, Start Num: 57
Candidate Starts for WalterMcMickey_23:
(52, 14920), (Start: 57 @14950 has 289 MA's), (67, 15010), (69, 15016), (83, 15088), (102, 15160), (105, 15172), (123, 15247), (125, 15253), (127, 15259),

Gene: Wander_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Wander_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Warrior24_26 Start: 14919, Stop: 15302, Start Num: 59
Candidate Starts for Warrior24_26:
(54, 14889), (Start: 59 @14919 has 322 MA's), (74, 15009), (120, 15219), (125, 15237), (127, 15243), (134, 15273),

Gene: Watermelon_24 Start: 16409, Stop: 16786, Start Num: 60
Candidate Starts for Watermelon_24:
(Start: 60 @16409 has 202 MA's), (81, 16538), (83, 16550), (102, 16628), (105, 16640), (134, 16757),

Gene: Watson_25 Start: 15175, Stop: 15573, Start Num: 57
Candidate Starts for Watson_25:
(Start: 48 @15112 has 41 MA's), (Start: 57 @15175 has 289 MA's), (75, 15268), (77, 15280), (83, 15313), (87, 15325), (99, 15400), (102, 15409), (106, 15430), (116, 15472), (123, 15502), (130, 15529),

Gene: WeiHuaDA_29 Start: 18062, Stop: 18466, Start Num: 59
Candidate Starts for WeiHuaDA_29:
(Start: 39 @17972 has 3 MA's), (Start: 48 @17999 has 41 MA's), (Start: 59 @18062 has 322 MA's), (68, 18125), (83, 18200), (87, 18212), (95, 18272), (106, 18314), (109, 18323), (114, 18350), (127, 18407), (130, 18422),

Gene: Werner_16 Start: 10931, Stop: 11254, Start Num: 61
Candidate Starts for Werner_16:
(Start: 61 @10931 has 110 MA's), (119, 11180), (134, 11240),

Gene: Whabigail7_26 Start: 16284, Stop: 16691, Start Num: 59
Candidate Starts for Whabigail7_26:
(Start: 59 @16284 has 322 MA's), (63, 16311), (68, 16347), (72, 16368), (95, 16497), (106, 16539), (113, 16572), (127, 16632), (130, 16647),

Gene: Whatever_16 Start: 10931, Stop: 11254, Start Num: 61
Candidate Starts for Whatever_16:
(Start: 61 @10931 has 110 MA's), (119, 11180), (134, 11240),

Gene: Wheeler_22 Start: 15865, Stop: 16242, Start Num: 60
Candidate Starts for Wheeler_22:
(Start: 60 @15865 has 202 MA's), (81, 15994), (83, 16006), (105, 16096), (134, 16213),

Gene: Whitspit_23 Start: 16202, Stop: 16579, Start Num: 60
Candidate Starts for Whitspit_23:
(Start: 60 @16202 has 202 MA's), (69, 16271), (74, 16295), (77, 16310), (78, 16313), (81, 16331), (117, 16481),

Gene: WideWale_26 Start: 16296, Stop: 16700, Start Num: 59
Candidate Starts for WideWale_26:
(54, 16269), (Start: 59 @16296 has 322 MA's), (63, 16323), (72, 16380), (105, 16539), (106, 16548), (127, 16641), (130, 16656),

Gene: Wiks_27 Start: 15905, Stop: 16309, Start Num: 59
Candidate Starts for Wiks_27:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: Wilbur_23 Start: 15098, Stop: 15469, Start Num: 57
Candidate Starts for Wilbur_23:
(Start: 57 @15098 has 289 MA's), (69, 15164), (75, 15191), (102, 15311), (125, 15404), (127, 15410),

Gene: Wile_23 Start: 15105, Stop: 15476, Start Num: 57
Candidate Starts for Wile_23:
(Start: 57 @15105 has 289 MA's), (69, 15171), (75, 15198), (77, 15210), (80, 15219), (83, 15243), (102, 15318), (125, 15411), (127, 15417),

Gene: Wilkins_22 Start: 15272, Stop: 15643, Start Num: 60
Candidate Starts for Wilkins_22:
(Start: 38 @15173 has 24 MA's), (Start: 60 @15272 has 202 MA's), (69, 15341), (78, 15383), (84, 15416), (121, 15566), (126, 15581), (127, 15584), (128, 15587),

Gene: Wizard007_23 Start: 15100, Stop: 15471, Start Num: 57
Candidate Starts for Wizard007_23:
(Start: 57 @15100 has 289 MA's), (69, 15166), (75, 15193), (102, 15313), (125, 15406), (127, 15412),

Gene: Wolpertinger_23 Start: 16359, Stop: 16754, Start Num: 59
Candidate Starts for Wolpertinger_23:
(Start: 59 @16359 has 322 MA's), (71, 16431), (74, 16449), (86, 16506), (102, 16584), (121, 16677),

Gene: Wooldri_27 Start: 15094, Stop: 15492, Start Num: 57
Candidate Starts for Wooldri_27:
(Start: 48 @15031 has 41 MA's), (Start: 57 @15094 has 289 MA's), (75, 15187), (77, 15199), (83, 15232), (87, 15244), (99, 15319), (102, 15328), (106, 15349), (116, 15391), (123, 15421), (130, 15448),

Gene: WorldCup_22 Start: 14692, Stop: 15087, Start Num: 59
Candidate Starts for WorldCup_22:

(Start: 59 @14692 has 322 MA's), (71, 14764), (83, 14827), (96, 14905), (99, 14914), (121, 15010), (127, 15028), (130, 15043),

Gene: WunderPhul_28 Start: 15905, Stop: 16309, Start Num: 59
Candidate Starts for WunderPhul_28:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: Xena_23 Start: 15092, Stop: 15463, Start Num: 57
Candidate Starts for Xena_23:
(Start: 57 @15092 has 289 MA's), (69, 15158), (75, 15185), (77, 15197), (80, 15206), (83, 15230), (102, 15305), (125, 15398), (127, 15404),

Gene: XianYue_24 Start: 15758, Stop: 16147, Start Num: 59
Candidate Starts for XianYue_24:
(5, 15509), (11, 15545), (13, 15593), (Start: 26 @15656 has 1 MA's), (Start: 39 @15671 has 3 MA's), (Start: 59 @15758 has 322 MA's), (68, 15821), (72, 15842), (77, 15863), (83, 15896), (106, 16010), (113, 16043), (127, 16103), (130, 16118),

Gene: Yasdnil_16 Start: 10926, Stop: 11249, Start Num: 61
Candidate Starts for Yasdnil_16:
(Start: 61 @10926 has 110 MA's), (119, 11175),

Gene: Yecey3_24 Start: 14721, Stop: 15116, Start Num: 58
Candidate Starts for Yecey3_24:
(31, 14631), (Start: 58 @14721 has 4 MA's), (65, 14760), (71, 14793), (80, 14832), (83, 14856), (96, 14934), (99, 14943), (110, 14985), (121, 15039), (127, 15057), (130, 15072),

Gene: YoSam321_23 Start: 15095, Stop: 15466, Start Num: 57
Candidate Starts for YoSam321_23:
(Start: 57 @15095 has 289 MA's), (69, 15161), (75, 15188), (102, 15308), (125, 15401), (127, 15407),

Gene: Yogi_19 Start: 11323, Stop: 11673, Start Num: 57
Candidate Starts for Yogi_19:
(Start: 57 @11323 has 289 MA's), (84, 11461), (86, 11467), (100, 11518), (110, 11557), (125, 11623), (127, 11629), (134, 11659),

Gene: Yokurt_27 Start: 15905, Stop: 16309, Start Num: 59
Candidate Starts for Yokurt_27:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: Yoncess_19 Start: 11323, Stop: 11673, Start Num: 57
Candidate Starts for Yoncess_19:
(Start: 57 @11323 has 289 MA's), (84, 11461), (86, 11467), (100, 11518), (110, 11557), (125, 11623), (127, 11629), (134, 11659),

Gene: Yosif_17 Start: 11220, Stop: 11543, Start Num: 61
Candidate Starts for Yosif_17:
(Start: 61 @11220 has 110 MA's), (84, 11355), (103, 11403), (119, 11469),

Gene: Zainub_18 Start: 11374, Stop: 11715, Start Num: 61
Candidate Starts for Zainub_18:

(56, 11356), (Start: 61 @11374 has 110 MA's), (89, 11530), (119, 11626), (134, 11686),

Gene: Zaka_27 Start: 15905, Stop: 16309, Start Num: 59
Candidate Starts for Zaka_27:
(Start: 48 @15842 has 41 MA's), (Start: 59 @15905 has 322 MA's), (83, 16043), (89, 16064), (94, 16112), (104, 16145), (106, 16157), (127, 16250),

Gene: ZamZam_16 Start: 10848, Stop: 11171, Start Num: 61
Candidate Starts for ZamZam_16:
(37, 10752), (44, 10764), (Start: 61 @10848 has 110 MA's), (103, 11031), (118, 11094), (123, 11115),

Gene: Zarafa_23 Start: 14760, Stop: 15143, Start Num: 57
Candidate Starts for Zarafa_23:
(Start: 23 @14646 has 2 MA's), (Start: 48 @14694 has 41 MA's), (Start: 57 @14760 has 289 MA's), (75, 14853), (89, 14919), (91, 14928), (94, 14955), (106, 15000), (123, 15072), (127, 15084), (130, 15099),

Gene: Zeeculate_21 Start: 15551, Stop: 15922, Start Num: 60
Candidate Starts for Zeeculate_21:
(Start: 38 @15452 has 24 MA's), (Start: 60 @15551 has 202 MA's), (69, 15620), (78, 15662), (84, 15695), (121, 15845), (126, 15860), (127, 15863), (128, 15866),

Gene: Zemlya_17 Start: 10950, Stop: 11273, Start Num: 61
Candidate Starts for Zemlya_17:
(Start: 61 @10950 has 110 MA's), (89, 11103), (119, 11199),

Gene: Zephyr_22 Start: 15543, Stop: 16019, Start Num: 38
Candidate Starts for Zephyr_22:
(Start: 38 @15543 has 24 MA's), (Start: 60 @15642 has 202 MA's), (81, 15771), (83, 15783), (134, 15990),

Gene: Zetzy_24 Start: 14717, Stop: 15115, Start Num: 57
Candidate Starts for Zetzy_24:
(49, 14663), (50, 14684), (Start: 57 @14717 has 289 MA's), (75, 14810), (77, 14822), (87, 14867), (99, 14942), (102, 14951), (106, 14972), (116, 15014), (121, 15038), (123, 15044), (130, 15071),

Gene: Zeuska_23 Start: 16076, Stop: 16453, Start Num: 60
Candidate Starts for Zeuska_23:
(Start: 60 @16076 has 202 MA's), (78, 16187), (102, 16295), (105, 16307), (121, 16376),

Gene: Zimmer_26 Start: 17406, Stop: 17801, Start Num: 59
Candidate Starts for Zimmer_26:
(Start: 59 @17406 has 322 MA's), (71, 17478), (77, 17508), (80, 17517), (83, 17541), (99, 17628), (121, 17724), (130, 17757),

Gene: Zolita_19 Start: 14552, Stop: 14932, Start Num: 59
Candidate Starts for Zolita_19:
(54, 14522), (Start: 59 @14552 has 322 MA's), (80, 14663), (89, 14708), (94, 14744), (105, 14780), (110, 14801), (122, 14855), (124, 14861), (130, 14885), (135, 14912),

Gene: Zulu_27 Start: 15904, Stop: 16308, Start Num: 59
Candidate Starts for Zulu_27:

(Start: 48 @15841 has 41 MA's), (Start: 59 @15904 has 322 MA's), (83, 16042), (89, 16063), (94, 16111), (104, 16144), (106, 16156), (127, 16249),

Gene: phiCAM_17 Start: 12801, Stop: 13124, Start Num: 61
Candidate Starts for phiCAM_17:
(Start: 61 @12801 has 110 MA's), (103, 12984), (123, 13068),