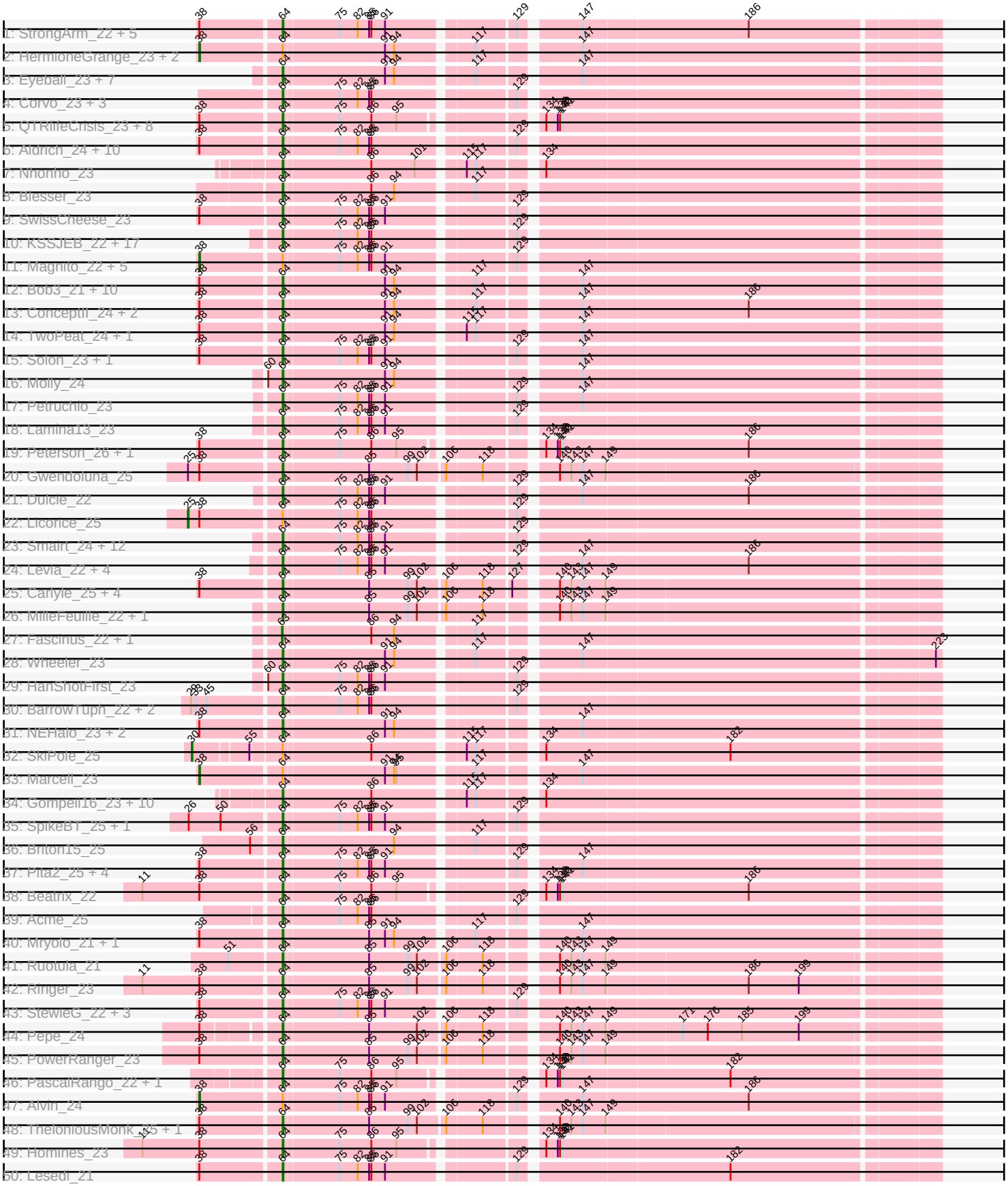
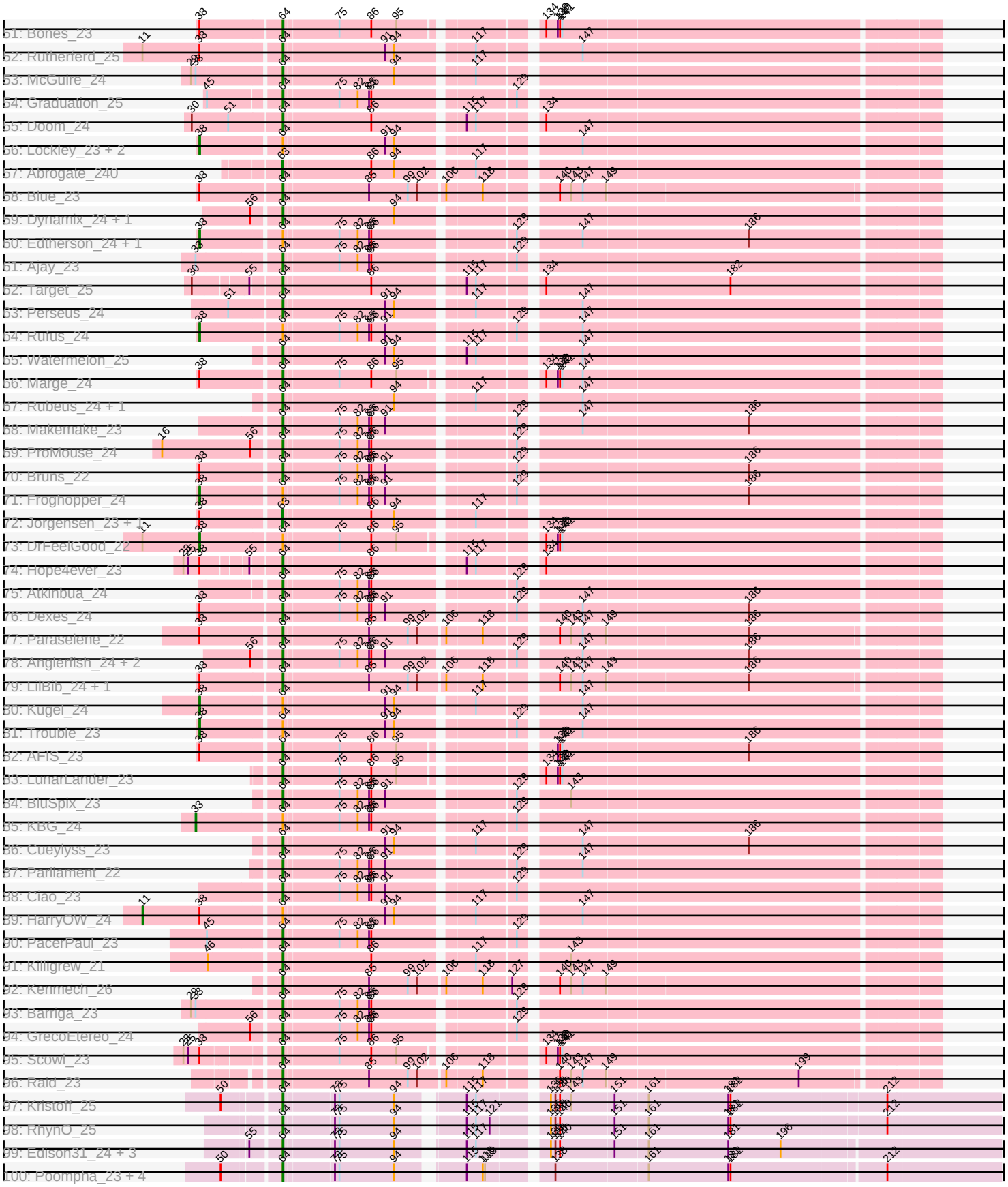
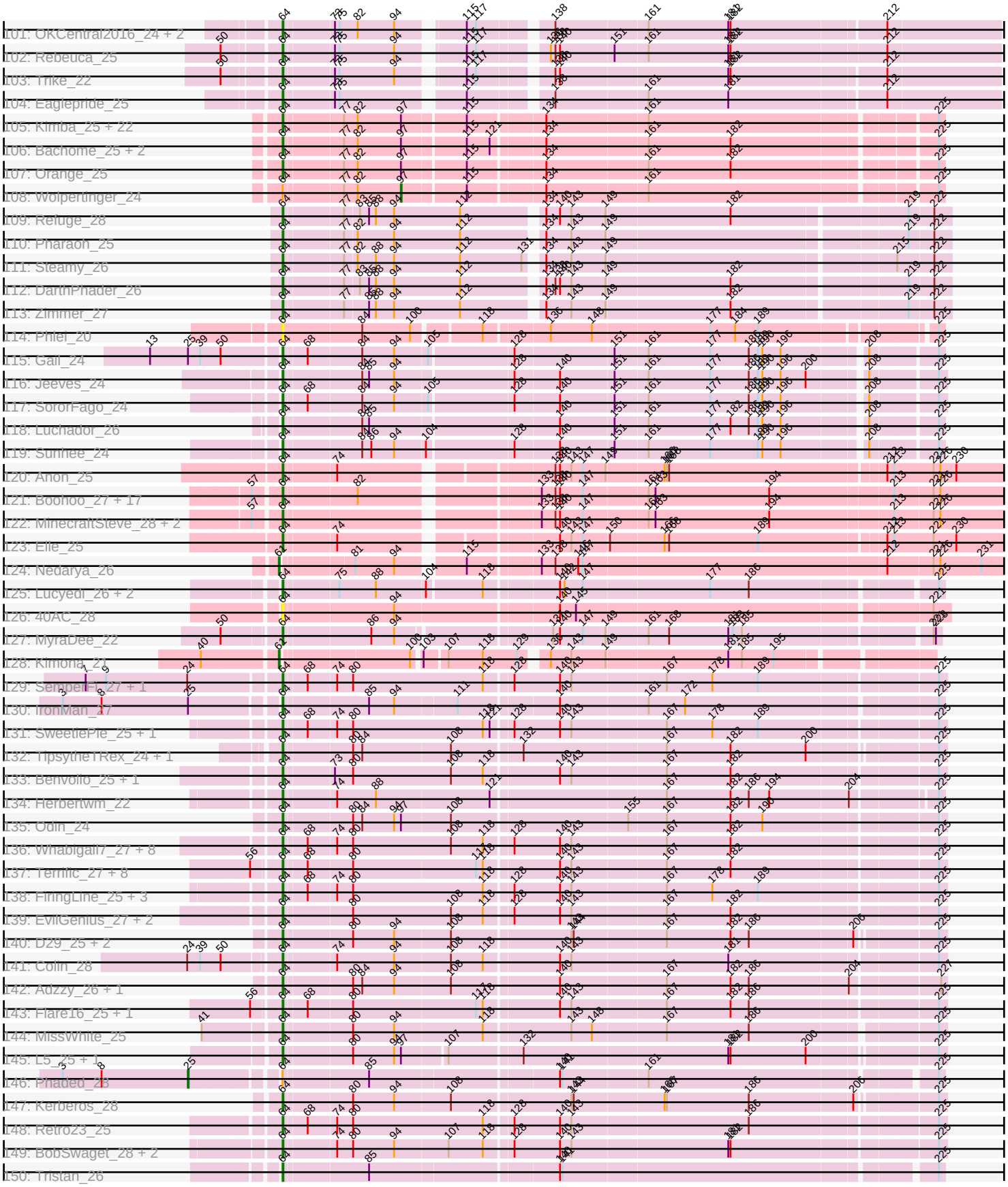
Pham 347022


1: StrongArm_22 + 5
2: HermioneGrange_23 + 2
3: Eyeball_23 + 7
4: Corvo_23 + 3
5: QTRifleCrisis_23 + 8
6: Aldrich_24 + 10
7: Nhonho_23
8: Blesser_23
9: SwissCheese_23
10: KSSJEB_22 + 17
11: Magnito_22 + 5
12: Bob3_21 + 10
13: Conceptii_24 + 2
14: TwoPeat_24 + 1
15: Solon_23 + 1
16: Molly_24
17: Petruchio_23
18: Lamina13_23
19: Peterson_26 + 1
20: Gwendoluna_25
21: Dulcie_22
22: Licorice_25
23: Smairt_24 + 12
24: Levia_22 + 4
25: Carlyle_25 + 4
26: MlleFeuille_22 + 1
27: Fascinus_22 + 1
28: Wheeler_23
29: HanShotFirst_23
30: BarrowTuph_22 + 2
31: NEHalo_23 + 2
32: SkiPole_25
33: Marcell_23
34: Gompei16_23 + 10
35: SpikeBT_25 + 1
36: Briton15_25
37: Pita2_25 + 4
38: Beatrix_22
39: Acme_25
40: Mryolo_21 + 1
41: Ruotula_21
42: Ringer_23
43: StewieG_22 + 3
44: Pepe_24
45: PowerRanger_23
46: PascalRango_22 + 1
47: Alvin_24
48: TheloniousMonk_25 + 1
49: Homines_23
50: Lesedi_21

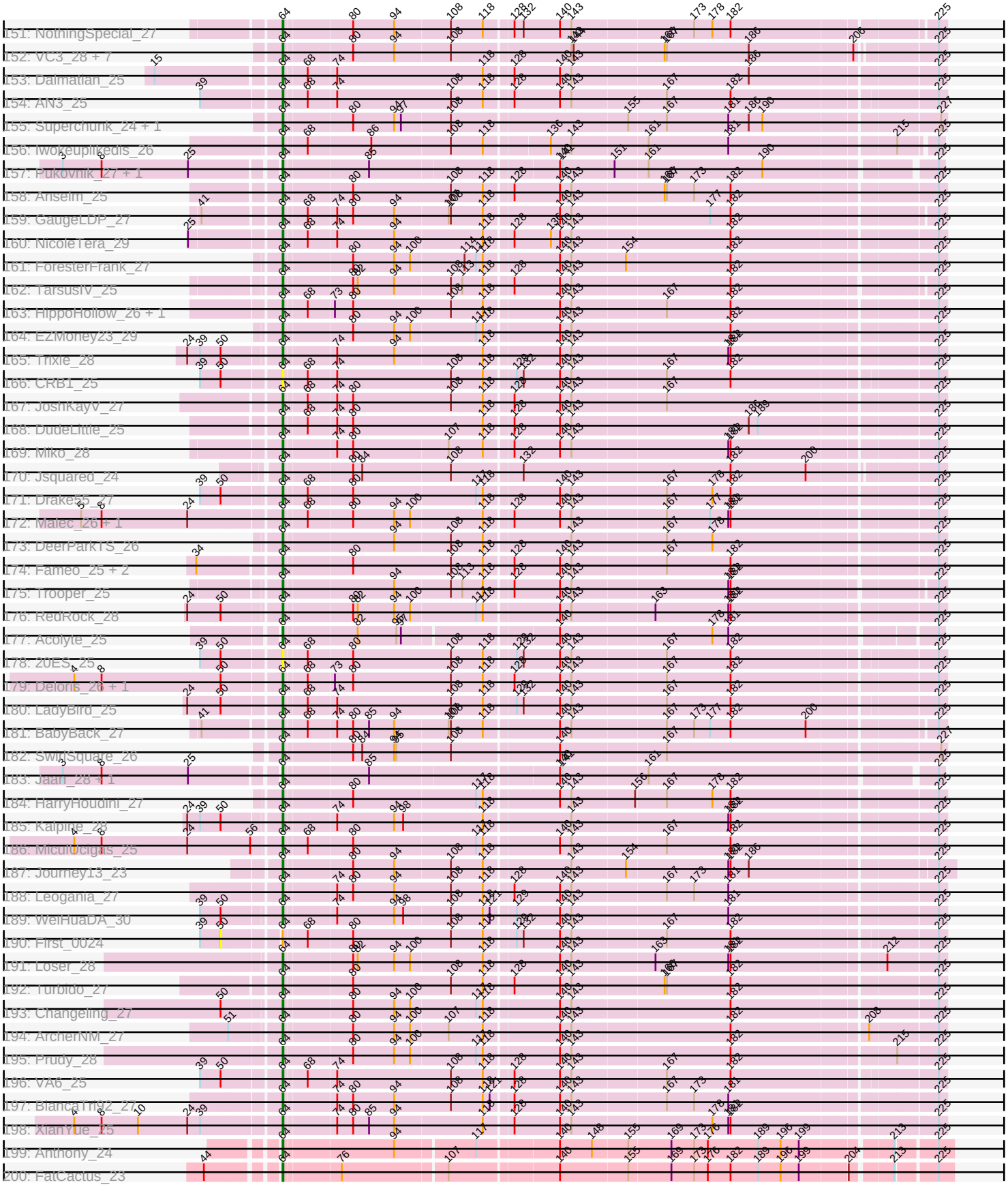
Pham 347022


51: Bones_23
52: Rutherford_25
53: McGuire_24
54: Graduation_25
55: Doom_24
56: Lockley_23 + 2
57: Abrogate_240
58: Blue_23
59: Dynamix_24 + 1
60: Edtherson_24 + 1
61: Ajay_23
62: Target_25
63: Perseus_24
64: Rufus_24
65: Watermelon_25
66: Marge_24
67: Rubeus_24 + 1
68: Makemake_23
69: ProMouse_24
70: Bruns_22
71: Froghopper_24
72: Jorgensen_23 + 1
73: DrFeelGood_22
74: Hope4ever_23
75: Atkinbua_24
76: Dexes_24
77: Paraselene_22
78: Anglerfish_24 + 2
79: LilBib_24 + 1
80: Kugel_24
81: Trouble_23
82: AFIS_23
83: LunarLander_23
84: BluSpix_23
85: KBG_24
86: Cueylyss_23
87: Parliament_22
88: Ciao_23
89: HarryOW_24
90: PacerPaul_23
91: Killgrew_21
92: Kenmech_26
93: Barriga_23
94: GrecoEtereo_24
95: Scowl_23
96: Raid_23
97: Kristoff_25
98: RhynO_25
99: Edison31_24 + 3
100: Poompha_23 + 4

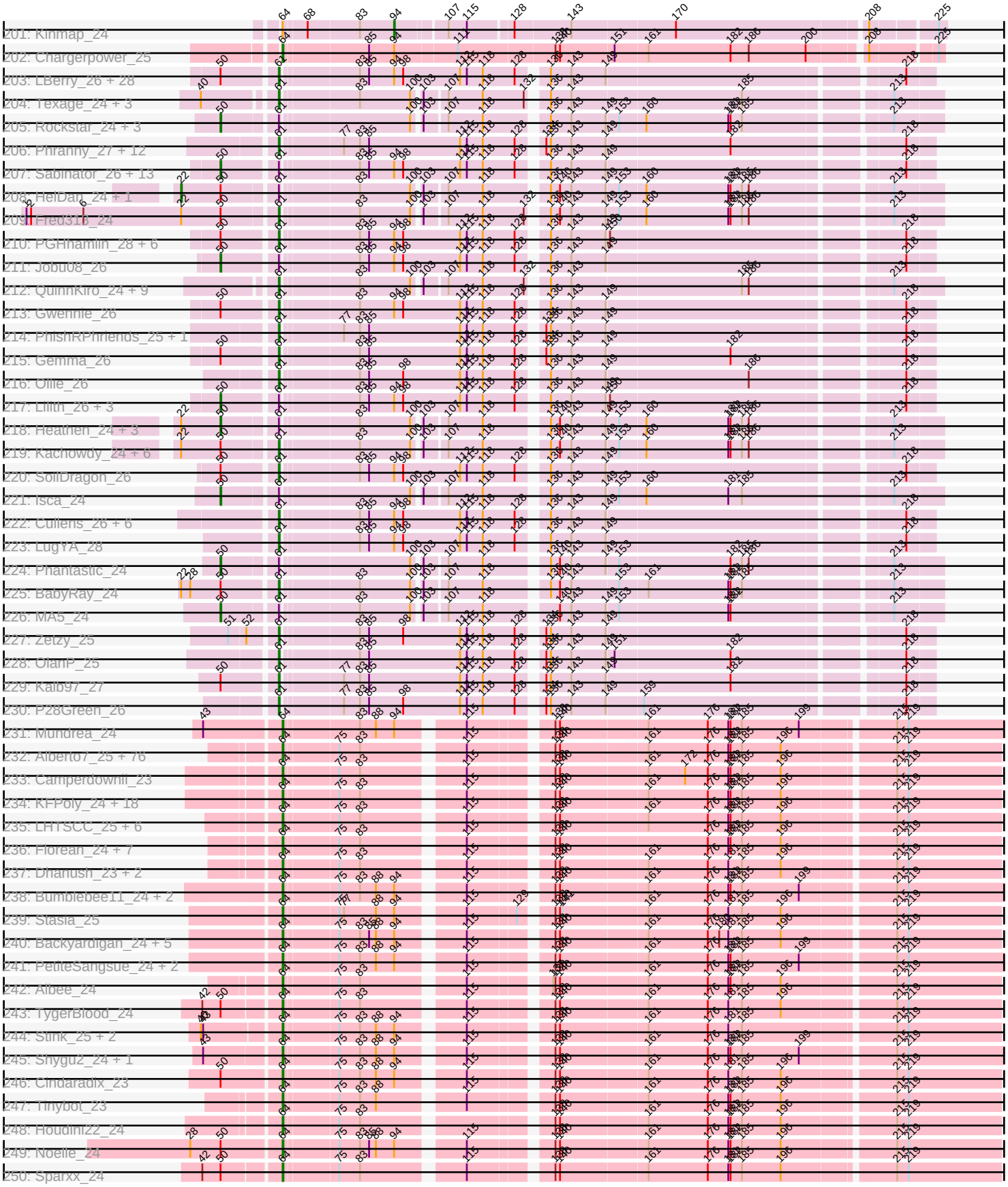
Pham 347022


101: OKCentral2016_24 + 2
102: Rebeuca_25
103: Trike_22
104: Eaglepride_25
105: Kimba_25 + 22
106: Bachome_25 + 2
107: Orange_25
108: Wolperdinger_24
109: Refuge_28
110: Pharaoh_25
111: Steamy_26
112: DarthPhader_26
113: Zimmer_27
114: Phiel_20
115: Gail_24
116: Jeeves_24
117: SororFago_24
118: Luchador_26
119: Sunnee_24
120: Anon_25
121: Boohoo_27 + 17
122: MinecraftSteve_28 + 2
123: Elle_25
124: Nedarya_26
125: Lucyedi_26 + 2
126: 40AC_28
127: MyraDee_22
128: Kimona_21
129: SemperFi_27 + 1
130: IronMan_17
131: SweetiePie_25 + 1
132: TipsytheTRex_24 + 1
133: Benvolio_25 + 1
134: Herbertwm_22
135: Odin_24
136: Whabigail7_27 + 8
137: Terrific_27 + 8
138: FiringLine_25 + 3
139: EvilGenius_27 + 2
140: D29_25 + 2
141: Colin_28
142: Adzzy_26 + 1
143: Flare16_25 + 1
144: MissWhite_25
145: L5_25 + 1
146: Phaded_28
147: Kerberos_28
148: Retro23_25
149: BobSwaget_28 + 2
150: Tristan_26

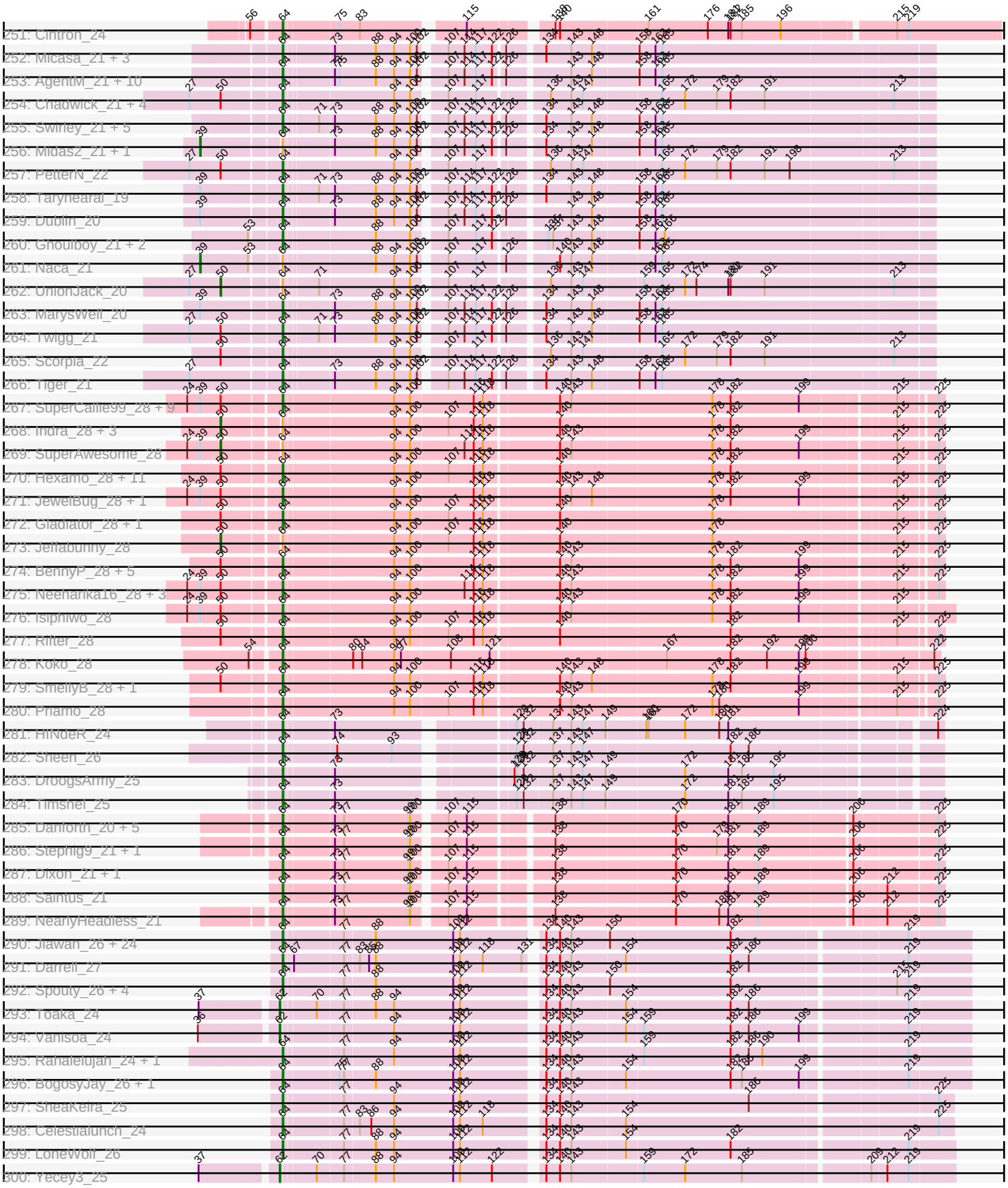
Pham 347022


151: NothingSpecial_27
152: VC3_28 + 7
153: Dalmatian_25
154: AN3_25
155: Superchunk_24 + 1
156: IwokeupIkedIs_26
157: Pukovnik_27 + 1
158: Anselm_25
159: GaugeLDP_27
160: NicoleTera_29
161: ForesterFrank_27
162: TarsusIV_25
163: HippoHollow_26 + 1
164: EZMoney23_29
165: Trixie_28
166: CRB1_25
167: JoshKayV_27
168: DudeLittle_25
169: Miko_28
170: Jsquared_24
171: Drake55_27
172: Malec_26 + 1
173: DeerParkTS_26
174: Fameo_25 + 2
175: Trooper_25
176: RedRock_28
177: Acolyte_25
178: 20ES_25
179: Deloris_26 + 1
180: LadyBird_25
181: BabyBack_27
182: SwiftSquare_26
183: Jaan_28 + 1
184: HarryHoudini_27
185: Kalpine_28
186: Micu0cigars_25
187: Journey13_23
188: Leogania_27
189: WeiHuaDA_30
190: First_0024
191: Loser_28
192: Turbido_27
193: Changeling_27
194: ArcherNM_27
195: Prudy_28
196: VA6_25
197: BiancaTM82_27
198: XianYue_25
199: Anthony_24
200: FatCactus_23

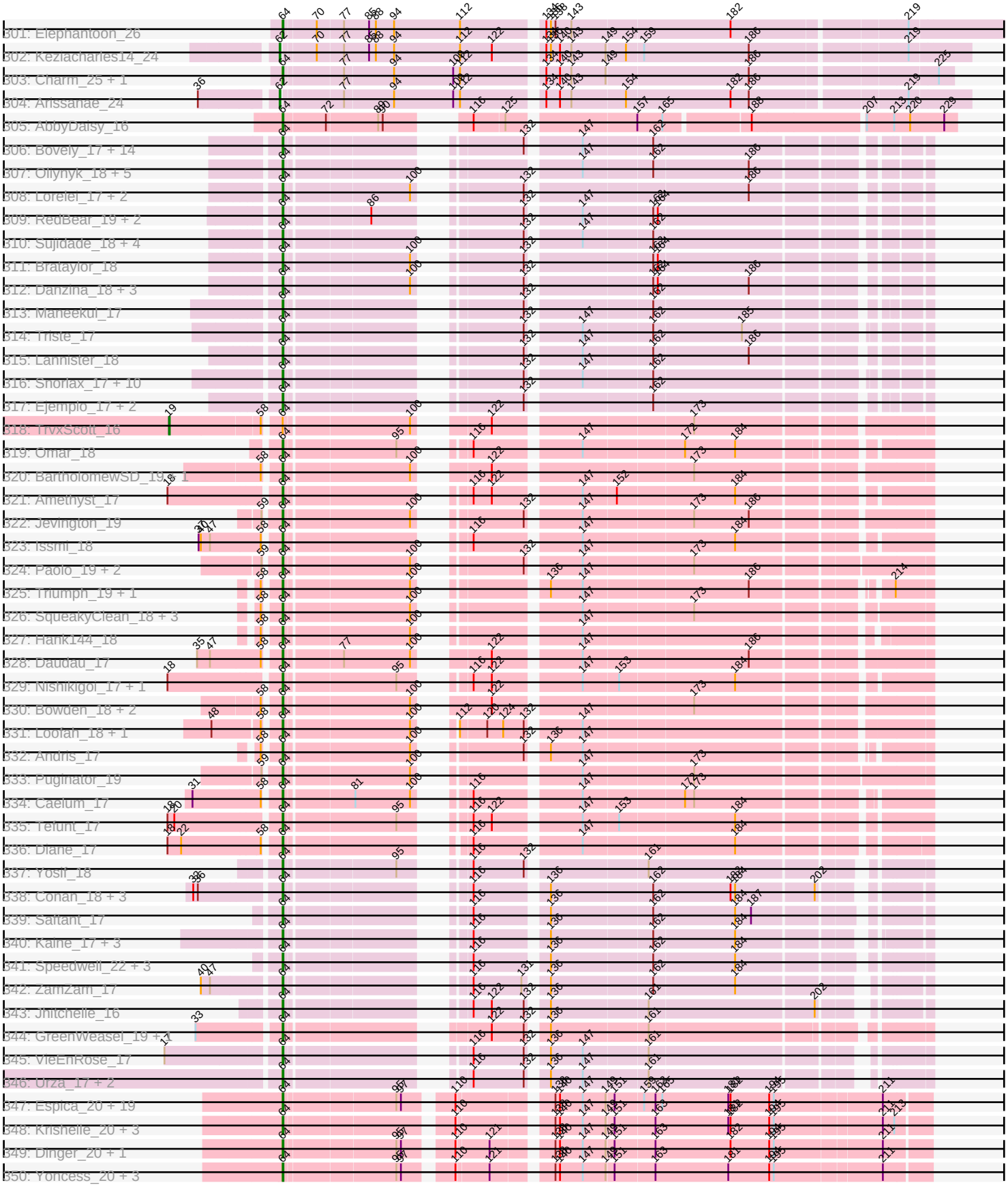
Pham 347022


201: Kinmap_24
202: Chargerpower_25
203: LBerry_26 + 28
204: Texage_24 + 3
205: Rockstar_24 + 3
206: Phranny_27 + 12
207: Sabinator_26 + 13
208: HelDan_24 + 1
209: Fred316_24
210: PGHhamlin_28 + 6
211: Jobu08_26
212: QuinnKiro_24 + 9
213: Gwennie_26
214: PhishRPfriends_25 + 1
215: Gemma_26
216: Ollie_26
217: Lilith_26 + 3
218: Heathen_24 + 3
219: Kachowdy_24 + 6
220: SoilDragon_26
221: Isca_24
222: Cullens_26 + 6
223: LugYA_28
224: Phantastic_24
225: BabyRay_24
226: MA5_24
227: Zetzy_25
228: OlanP_25
229: Kalb97_27
230: P28Green_26
231: Mundrea_24
232: Alberto7_25 + 76
233: Camperdownfil_23
234: KFPoly_24 + 18
235: LHTSCC_25 + 6
236: Florean_24 + 7
237: Dhanush_23 + 2
238: Bumblebee11_24 + 2
239: Stasia_25
240: Backyardigan_24 + 5
241: PetiteSangsue_24 + 2
242: Albee_24
243: TygerBlood_24
244: Stink_25 + 2
245: Shygu2_24 + 1
246: Cindaradix_23
247: Tinybot_23
248: Houdini22_24
249: Noelle_24
250: Sparxx_24

Pham 347022


251: Cintron_24
252: Micasa_21 + 3
253: AgentM_21 + 10
254: Chadwick_21 + 4
255: Swirley_21 + 5
256: Midas2_21 + 1
257: PetterN_22
258: Tarynearal_19
259: Dublin_20
260: Ghoulboy_21 + 2
261: Naca_21
262: UnionJack_20
263: MarysWell_20
264: Twigg_21
265: Scorpia_22
266: Tiger_21
267: SuperCallie99_28 + 9
268: Indra_28 + 3
269: SuperAwesome_28
270: Hexamo_28 + 11
271: JewelBug_28 + 1
272: Gladiator_28 + 1
273: Jellabunny_28
274: BennyP_28 + 5
275: Neeharika16_28 + 3
276: Isiphiwo_28
277: Riffer_28
278: Koko_28
279: SmellyB_28 + 1
280: Phamo_28
281: RINdeR_24
282: Sheen_26
283: DroogsArmy_25
284: Timshel_25
285: Danforth_20 + 5
286: Stephig9_21 + 1
287: Dixon_21 + 1
288: Saintus_21
289: NearlyHeadless_21
290: Jiawan_26 + 24
291: Darrell_27
292: Spouty_26 + 4
293: Toaka_24
294: Vanisoa_24
295: Rahalelujah_24 + 1
296: BogosyJay_26 + 1
297: SneaKella_25
298: Celestialunch_24
299: LoneWolf_26
300: Yecey3_25

Pham 347022


301: Elephantoon_26
302: KeziaCharles14_24
303: Charm_25 + 1
304: Arissanae_24
305: AbbyDaisy_16
306: Bovely_17 + 14
307: Ollynyk_18 + 5
308: Lorelei_17 + 2
309: RedBear_19 + 2
310: Sujidade_18 + 4
311: Brataylor_18
312: Danzina_18 + 3
313: Maneekul_17
314: Triste_17
315: Lannister_18
316: Snorlax_17 + 10
317: Ejemplo_17 + 2
318: TrvxScott_16
319: Omar_18
320: BartholomewSD_19 + 1
321: Amethyst_17
322: Jevington_19
323: Issmi_18
324: Paolo_19 + 2
325: Triumph_19 + 1
326: SqueakyClean_18 + 3
327: Hank144_18
328: Daudau_17
329: Nishikigoi_17 + 1
330: Bowden_18 + 2
331: Loolan_18 + 1
332: Andris_17
333: Pugmator_19
334: Caelum_17
335: Telunt_17
336: Diane_17
337: Yosif_18
338: Conan_18 + 3
339: Saltant_17
340: Kaine_17 + 3
341: Speedwell_22 + 3
342: Zamzam_17
343: Jhitchelle_16
344: GreenWeasel_19 + 1
345: VieEnRose_17
346: Urza_17 + 2
347: Espica_20 + 19
348: Krishelle_20 + 3
349: Dinger_20 + 1
350: Yoncess_20 + 3

Pham 347022


351: Alpacados_19 + 2
352: AngryOrchard_19 + 1
353: RGL3_
354: Jester_19
355: Rasputin_20
356: Zaheer_19
357: QuinnAvery_19 + 1
358: Ryan_18
359: Schism_19 + 2
360: Halloweekend_17 + 1
361: Kinatsu_19 + 1
362: Cole_17
363: MillySue_19
364: GoodLuckBabe_19
365: Julie_19
366: AllBusiness_18
367: Ichiang_17
368: IsHungry_19
369: Elesar_18
370: Popper_17
371: Dirtdigger_19
372: ToastyOats_21
373: Toodles_19
374: Bauer_18
375: BlackSpider_16 + 1
376: Zucker_17
377: MrSmee_15
378: Skitty_15
379: Attoomi_14

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 347022 Report

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

Pham number 347022 has 1020 members, 7 are drafts.

Phages represented in each track:
• Track 1 : StrongArm_22, Bexan_22, EnzoK_24, Seanderson_24, BillKnuckles_24, Bxb1_20
• Track 2 : HermioneGrange_23, Lopton_24, DD5_24
• Track 3 : Eyeball_23, Oogway_22, Adahisdi_24, JackSparrow_24, Fushigi_24, Puppet_23, RidgeCB_23, Jasper_24
• Track 4 : Corvo_23, Espresso_23, MetalQZJ_23, MaryBeth_23
• Track 5 : QTRlifeCrisis_23, Naira_24, Wilkins_23, CactusRose_22, Fenn_24, Squee_24, Norz_25, Topgun_23, Zeeculate_22
• Track 6 : Aldrich_24, GroundGoblin_24, Forsytheast_21, Monet_25, Gyzlar_25, Noxious_25, Moose_22, Buttons_24, Hermia_25, KikiBouba_25, Ohno789_23
• Track 7 : Nhonho_23
• Track 8 : Blesser_23
• Track 9 : SwissCheese_23
• Track 10 : KSSJEB_22, SarFire_23, Gandalf20_24, Euphoria_23, Arcanine_24, MrGordo_23, Seabiscuit_25, DreamCatcher_26, Switzer_23, PherrisBueller_24, Big3_23, Dreamboat_24, Niza_25, Rajelicia_23, Michley_23, Thor_22, Pinto_25, GMonster_22
• Track 11 : Magnito_22, BigPaolini_24, PattyP_25, Slagathor_24, Turj99_22, Sagefire_24
• Track 12 : Bob3_21, MPlant7149_21, PinkPlastic_22, Papez_25, Chanagan_22, Petp2012_25, Altman_25, Rohr_24, Arlo_22, KyMonks1A_25, Kanely_24
• Track 13 : ConceptII_24, Crispicous1_22, Magnar_23
• Track 14 : TwoPeat_24, Jerm2_24
• Track 15 : Solon_23, Ashballer_22
• Track 16 : Molly_24
• Track 17 : Petruchio_23
• Track 18 : Lamina13_23
• Track 19 : Peterson_26, Pelly_24
• Track 20 : Gwendoluna_25
• Track 21 : Dulcie_22
• Track 22 : Licorice_25
• Track 23 : Smairt_24, Violet_22, Bigchungi_23, Snazzy_21, Maroc7_22, Hami1_25, IgnatiusPatJac_22, Greg_25, Pippin_25, Sorpresa_23, BPBiebs31_24, Fajezeel_25, Sanya_23
• Track 24 : Levia_22, PhineBark_22, GageAP_25, Tasp14_24, McSinger_24
• Track 25 : Carlyle_25, Abbyshoes_24, Dussy_24, Tripl3t_24, Marco3_23
• Track 26 : MilleFeuille_22, STLscum_24

• Track 27 : Fascinus_22, Bigfoot_22
• Track 28 : Wheeler_23
• Track 29 : HanShotFirst_23
• Track 30 : BarrowTuph_22, Payneful_23, Marchy_22
• Track 31 : NEHalo_23, Mule_23, BigMau_25
• Track 32 : SkiPole_25
• Track 33 : Marcell_23
• Track 34 : Gompeii16_23, Nerujay_24, Zeuska_24, ILeeKay_25, Sumter_22, Applejack_23, Francis47_23, Traft412_25, JC27_24, Bircsak_23, Sunshine924_22
• Track 35 : SpikeBT_25, ShortQueendom_23
• Track 36 : Briton15_25
• Track 37 : Pita2_25, PSullivan_25, JuliaChild_25, Tote_25, Swole_25
• Track 38 : Beatrix_22
• Track 39 : Acme_25
• Track 40 : Mryolo_21, Sibs6_25
• Track 41 : Ruotula_21
• Track 42 : Ringer_23
• Track 43 : StewieG_22, Burton_24, BaconJack_25, Museum_24
• Track 44 : Pepe_24
• Track 45 : PowerRanger_23
• Track 46 : PascalRango_22, Ichabod_24
• Track 47 : Alvin_24
• Track 48 : TheloniousMonk_25, Marsha_23
• Track 49 : Homines_23
• Track 50 : Lesedi_21
• Track 51 : Bones_23
• Track 52 : Rutherferd_25
• Track 53 : McGuire_24
• Track 54 : Graduation_25
• Track 55 : Doom_24
• Track 56 : Lockley_23, Zephyr_23, Rhynn_23
• Track 57 : Abrogate_240
• Track 58 : Blue_23
• Track 59 : Dynamix_24, BeesKnees_24
• Track 60 : Edtherson_24, Treddle_25
• Track 61 : Ajay_23
• Track 62 : Target_25
• Track 63 : Perseus_24
• Track 64 : Rufus_24
• Track 65 : Watermelon_25
• Track 66 : Marge_24
• Track 67 : Rubeus_24, Smeagol_25
• Track 68 : Makemake_23
• Track 69 : ProMouse_24
• Track 70 : Bruns_22
• Track 71 : Froghopper_24
• Track 72 : Jorgensen_23, Kykar_21
• Track 73 : DrFeelGood_22
• Track 74 : Hope4ever_23
• Track 75 : Atkinbua_24
• Track 76 : Dexes_24
• Track 77 : Paraselene_22
• Track 78 : Anglerfish_24, Manatee_24, Pari_24

• Track 79 : LilBib_24, Paphu_22
• Track 80 : Kugel_24
• Track 81 : Trouble_23
• Track 82 : AFIS_23
• Track 83 : LunarLander_23
• Track 84 : BluSpix_23
• Track 85 : KBG_24
• Track 86 : Cueylyss_23
• Track 87 : Parliament_22
• Track 88 : Ciao_23
• Track 89 : HarryOW_24
• Track 90 : PacerPaul_23
• Track 91 : Killigrew_21
• Track 92 : Kenmech_26
• Track 93 : Barriga_23
• Track 94 : GrecoEtereo_24
• Track 95 : Scowl_23
• Track 96 : Raid_23
• Track 97 : Kristoff_25
• Track 98 : RhynO_25
• Track 99 : Edison31_24, WalterMcMickey_24, Twister_24, Topanga_24
• Track 100 : Poompha_23, KittenMittens_23, PeaceMeal1_23, Drake94_23, Severus_23
• Track 101 : OKCentral2016_24, Goose_24, Chupacabra_24
• Track 102 : Rebeuca_25
• Track 103 : Trike_22
• Track 104 : Eaglepride_25
• Track 105 : Kimba_25, Aneem_25, Lucivia_25, Flaverint_25, Salz_25, Hutc2_25, Ebony_25, Sham4_25, Jabith_25, TinyTimmy_25, Insomnia_25, Joselito_25, Et2Brutus_24, Mabel_25, Timothy_25, Fibonacci_25, Bud_25, Saskia_25, Mulciber_25, Petersenfast_25, Snape_25, Munch_25, Bowtie_25
• Track 106 : Bachome_25, Gilberta_25, MaCh_25
• Track 107 : Orange_25
• Track 108 : Wolpertinger_24
• Track 109 : Refuge_28
• Track 110 : Pharaoh_25
• Track 111 : Steamy_26
• Track 112 : DarthPhader_26
• Track 113 : Zimmer_27
• Track 114 : Phlei_20
• Track 115 : Gail_24
• Track 116 : Jeeves_24
• Track 117 : SororFago_24
• Track 118 : Luchador_26
• Track 119 : Sunhee_24
• Track 120 : Anon_25
• Track 121 : Boohoo_27, DekHockey33_27, Oofda_27, Looper_28, Remus_27, Battleship_28, ReMo_27, ShayRa_28, Epsocamisio_27, Warrior24_27, Waits_27, KatherineG_27, Nebulosus_27, Strosahl_27, Ravana_27, Switzerland_27, LastResort_27, Anaysia_27
• Track 122 : MinecraftSteve_28, Rosalind_27, Soups_27
• Track 123 : Elle_25
• Track 124 : Nedarya_26

• Track 125 : Lucyedi_26, EagleEye_27, PainterBoy_26
• Track 126 : 40AC_28
• Track 127 : MyraDee_22
• Track 128 : Kimona_21
• Track 129 : SemperFi_27, Georgie2_26
• Track 130 : IronMan_27
• Track 131 : SweetiePie_25, Crucio_25
• Track 132 : TipsytheTRex_24, Serenity_24
• Track 133 : Benvolio_25, Echild_25
• Track 134 : Herbertwm_22
• Track 135 : Odin_24
• Track 136 : Whabigail7_27, Jerm_27, Bugsy_27, Agape74_27, AbbyPaige_27, Leviathan_27, LilTurb_27, Smeagan_27, Dignity_27
• Track 137 : Terrific_27, Equemioh13_27, NaSiaTalie_25, Centaur_27, Baehexic_26, Gratitude_27, Piro94_26, WideWale_27, Updawg_27
• Track 138 : FiringLine_25, QueenBeesly_25, SnapTap_25, Power_25
• Track 139 : EvilGenius_27, KingCyrus_27, ChipMunk_27
• Track 140 : D29_25, D32_28, Naji_28
• Track 141 : Colin_28
• Track 142 : Adzzy_26, Ph8s_26
• Track 143 : Flare16_25, Sknot_25
• Track 144 : MissWhite_25
• Track 145 : L5_25, Koduck_26
• Track 146 : Phaded_28
• Track 147 : Kerberos_28
• Track 148 : Retro23_25
• Track 149 : BobSwaget_28, Rachaly_28, Lokk_28
• Track 150 : Tristan_26
• Track 151 : NothingSpecial_27
• Track 152 : VC3_28, StarStuff_28, ANI8_28, Tomathan_28, AN9_28, DBQu4n_28, Duplo_28, Pomar16_28
• Track 153 : Dalmatian_25
• Track 154 : AN3_25
• Track 155 : Superchunk_24, Caraxes_24
• Track 156 : Iwokeuplikedis_26
• Track 157 : Pukovnik_27, Bactobuster_26
• Track 158 : Anselm_25
• Track 159 : GaugeLDP_27
• Track 160 : NicoleTera_29
• Track 161 : ForesterFrank_27
• Track 162 : TarsusIV_25
• Track 163 : HippoHollow_26, LionsBait_26
• Track 164 : EZMoney23_29
• Track 165 : Trixie_28
• Track 166 : CRB1_25
• Track 167 : JoshKayV_27
• Track 168 : DudeLittle_25
• Track 169 : Miko_28
• Track 170 : Jsquared_24
• Track 171 : Drake55_27
• Track 172 : Malec_26, Larenn_26
• Track 173 : DeerParkTS_26
• Track 174 : Fameo_25, QueenB2_25, Heffalump_26

• Track 175 : Trooper_25
• Track 176 : RedRock_28
• Track 177 : Acolyte_25
• Track 178 : 20ES_25
• Track 179 : Deloris_26, BengiVuitton_26
• Track 180 : LadyBird_25
• Track 181 : BabyBack_27
• Track 182 : SwirlSquare_26
• Track 183 : Jaan_28, Landor_26
• Track 184 : HarryHoudini_27
• Track 185 : Kalpine_28
• Track 186 : MiculUcigas_25
• Track 187 : Journey13_23
• Track 188 : Leogania_27
• Track 189 : WeiHuaDA_30
• Track 190 : First_0024
• Track 191 : Loser_28
• Track 192 : Turbido_27
• Track 193 : Changeling_27
• Track 194 : ArcherNM_27
• Track 195 : Prudy_28
• Track 196 : VA6_25
• Track 197 : BiancaTri92_27
• Track 198 : XianYue_25
• Track 199 : Anthony_24
• Track 200 : FatCactus_23
• Track 201 : Kinmap_24
• Track 202 : Chargerpower_25
• Track 203 : LBerry_26, Hercules11_26, MadMarie_26, TinyPebbles_26, KADY_26, Misomonster_28, Stagni_25, AgronaGT15_26, Dieselweasel_26, Vix_26, Spike509_25, Daishi_25, SoYo_26, Phoebe_26, Methuselah_25, JHC117_26, BreSam8_26, GingkoMaracino_26, Wooldri_28, BuzzBuzz_25, Colbster_26, LarryKay_26, Snickers_26, Phoxy_25, Grum1_26, Rummer_26, GtownJaz_26, Grif_26, HashRod_27
• Track 204 : Texage_24, Hookmount_25, Margo_25, Noella_25
• Track 205 : Rockstar_24, JF2_24, JF4_24, MK4_24
• Track 206 : Phranny_27, ACFishhook_26, JeppNRM_27, Pawn_26, Manu_27, Groupthink_27, Kalnoky_27, PurpleHaze_26, Calvinny_26, ClownCar_26, Reba_27, Marius_27, Heliosoles_26
• Track 207 : Sabinator_26, PotatoSplit_27, Mainiac_26, Sabia_25, EpicPhail_25, Beauxregard13_26, Louie6_26, Soshari_28, StepMih_26, Penny1_25, Farber_26, Aglet_26, MarQuardt_26, Tiffany_26
• Track 208 : HelDan_24, TNguyen7_24
• Track 209 : Fred313_24
• Track 210 : PGHhamlin_28, Watson_26, Grub_26, AugsMagnumOpus_28, Pembroke_26, MuchMore_28, Lowa_26
• Track 211 : Jobu08_26
• Track 212 : QuinnKiro_24, Lambert1_25, Norbert_24, Todacoro_25, Caviar_25, Panamaxus_24, ResDef_25, Pocahontas_25, Popcicle_25, Veracruz_24
• Track 213 : Gwennie_26
• Track 214 : PhishRPhriends_25, HaveUMetTed_27
• Track 215 : Gemma_26
• Track 216 : Ollie_26

• Track 217 : Lilith_26, Malinsilva_28, Microwolf_26, DaHudson_26
• Track 218 : Heathen_24, Idleandcovert_23, Puppy_25, Pistachio_25
• Track 219 : Kachowdy_24, Giroux_25, Bugatti_25, Scout_24, Clammy_25, BlueBird_25, DropBear_24
• Track 220 : SoilDragon_26
• Track 221 : Isca_24
• Track 222 : Cullens_26, Bigflo_26, Fernando_26, Marie_26, JenCasNa_25, Taurus_26, MoneyMay_26
• Track 223 : LugYA_28
• Track 224 : Phantastic_24
• Track 225 : BabyRay_24
• Track 226 : MA5_24
• Track 227 : Zetzy_25
• Track 228 : OlanP_25
• Track 229 : Kalb97_27
• Track 230 : P28Green_26
• Track 231 : Mundrea_24
• Track 232 : Alberto7_25, TinaFeyge_23, JetBlade_24, Connomayer_24, ICleared_24, Caelakin_24, Peaches_24, LittleB_24, LittleGuy_24, Lunsford_25, Skipitt_24, Kingmustik0402_23, Broseidon_24, Medusa_24, Kampy_24, Funston_24, Romney_24, Happiness_24, Burger_23, TroyPia_24, Palestino_23, Taquarus_24, Kyee_24, Eros_23, Arturo_22, Chaph_24, Mazhar510_24, RockieBear_24, Flux_24, Phontbonne_24, Maverick_24, Eagle_23, Ohfah_24, Melvin_24, Abdiel_23, Millski_23, SenorClean_24, Sabertooth_23, TiroTheta9_24, Phelipe_24, Polymorphads_24, Lorenzo_24, Wizard007_24, Relief_24, Nebs_24, CentreCat_24, Maxo_24, Lemur_24, LappelDuVide_24, Eris_23, Clarenza_24, Iceman_25, Nyxis_24, HamSlice_23, Commander_24, Pumbaa_24, BubbleTrouble_24, Jaykayelowell_24, Spino_24, Bruiser_23, Koreni_23, Ruin_24, SteMason_24, Pipcraft_24, YoSam321_24, Bombshell_24, BellusTerra_24, Wilbur_24, Kremtemulon_24, Morrow_24, Eapen_24, Annyong_24, Ulysses_23, Eurydice_24, Deano_24, Koan_24, MeeZee_24
• Track 233 : Camperdownii_23
• Track 234 : KFPoly_24, Phighter1804_24, Nemo27_24, Kratark_24, Phacado_23, NotAPhaseMom_24, Shaka_24, JoongJeon_23, Gadost_24, Sultana_24, Thanksgivukkah_24, Wander_24, DirtyDunning_24, Mayonnaise_24, Huxley_24, Cocoaberry_24, LochMonster_24, PeterPeter_24, Avle17_24
• Track 235 : LHTSCC_25, Cerulean_25, ChampagnePapi_25, BangNhom_24, SheldonCooper_25, Iracema64_25, Obama12_25
• Track 236 : Florean_24, Citius_24, Scamp_24, Druantia_24, Blackmoor_24, Baby16_24, Bartimeaus_24, Roosevelt_24
• Track 237 : Dhanush_23, Holli_23, OKaNui_25
• Track 238 : Bumblebee11_24, Morpher26_24, Katalie136_24
• Track 239 : Stasia_25
• Track 240 : Backyardigan_24, Wile_24, Badger_24, Datway_24, Achebe_23, Xena_24
• Track 241 : PetiteSangsue_24, Perplexer_24, Cici_24
• Track 242 : Albee_24
• Track 243 : TygerBlood_24
• Track 244 : Stink_25, Miramae_24, AvatarAhPeg_25
• Track 245 : Shygu2_24, AbbysRanger_24
• Track 246 : Cindaradix_23
• Track 247 : Tinybot_23
• Track 248 : Houdini22_24

• Track 249 : Noelle_24
• Track 250 : Sparxx_24
• Track 251 : Cintron_24
• Track 252 : Micasa_21, Bonamassa_21, Cuco_21, Theia_19
• Track 253 : AgentM_21, Archetta_21, Discoknowium_21, PickleBack_21, Lev2_21, ForGetIt_21, Phlorence_21, Bluefalcon_20, Aragog_21, Conspiracy_21, Jovo_21
• Track 254 : Chadwick_21, ElTiger69_20, Airmid_21, Benedict_21, Jabiru_21
• Track 255 : Swirley_21, LittleCherry_21, HuhtaEnerson15_21, George_20, Milcery_21, Prinashe11_21
• Track 256 : Midas2_21, Coog_21
• Track 257 : PetterN_22
• Track 258 : Tarynearal_19
• Track 259 : Dublin_20
• Track 260 : Ghoulboy_21, Zolita_20, SydNat_21
• Track 261 : Naca_21
• Track 262 : UnionJack_20
• Track 263 : MarysWell_20
• Track 264 : Twigg_21
• Track 265 : Scorpia_22
• Track 266 : Tiger_21
• Track 267 : SuperCallie99_28, Polyphemus_28, Helmet_28, Imbriano_28, Candra_28, EricB_28, BABullseye_28, Dorothea_28, Temprado_28, Jordennis_28
• Track 268 : Indra_28, CloudWang3_28, Hammer_27, ToneTone_26
• Track 269 : SuperAwesome_28
• Track 270 : Hexamo_28, BlessJoy_28, Blue7_28, Wiks_28, Tucker_28, Lilbunny_28, Yokurt_28, Roksolana_28, Artemis2UCLA_28, Zaka_28, Zulu_28, WunderPhul_27
• Track 271 : JewelBug_28, Blinn1_28
• Track 272 : Gladiator_28, Gruunaga_28
• Track 273 : Jeffabunny_28
• Track 274 : BennyP_28, VohminGhazi_28, GreedyLawyer_28, McFly_28, Kipper29_28, Hoot_28
• Track 275 : Neeharika16_28, Pmask_28, Cookiedough_28, Newrala_27
• Track 276 : Isiphiwo_28
• Track 277 : Rifter_28
• Track 278 : Koko_28
• Track 279 : SmellyB_28, Chartreuse_28
• Track 280 : Priamo_28
• Track 281 : HINdeR_24
• Track 282 : Sheen_26
• Track 283 : DroogsArmy_25
• Track 284 : Timshel_25
• Track 285 : Danforth_20, Expelliarmus_20, Smeadley_21, Caitlin_21, Groundhog_20, Astro_21
• Track 286 : Stephig9_21, Phillis_21
• Track 287 : Dixon_21, Roary_21
• Track 288 : Saintus_21
• Track 289 : NearlyHeadless_21
• Track 290 : Jiawan_26, Conquerage_26, Beemo_26, Pioneer_26, ExplosioNervosa_26, EdogawaKiddo_26, RyeScarlet_26, Aliter_26, Lilleskat_26, Tubs_26, Ayanochan_26, Catalina_26, Onglai_25, Hanray_26, Scherzo_26, Qobbit_26, Ugenie5_23, PackMan_26, Phaeder_26, Fayely_26, Myxus_26, Phonnegut_26, Holex_26, Sachima_26, HortumSL17_26

• Track 291 : Darrell_27
• Track 292 : Spouty_26, Priya_26, EmyBug_26, Alma_26, Eidsmoe_26
• Track 293 : Toaka_24
• Track 294 : Vanisoa_24
• Track 295 : Rahalelujah_24, Bellris_24
• Track 296 : BogosyJay_26, Maminiaina_26
• Track 297 : SheaKeira_25
• Track 298 : Celestialunch_24
• Track 299 : LoneWolf_26
• Track 300 : Yecey3_25
• Track 301 : Elephantoon_26
• Track 302 : Keziacharles14_24
• Track 303 : Charm_25, DreamTeam1_25
• Track 304 : Arissanae_24
• Track 305 : AbbyDaisy_16
• Track 306 : Bovely_17, Caliburn_17, Nerdos_17, Ozzie_17, Aaronocolus_17, Leviticus_17, Unstoppable_17, BeardedLady_18, SunsetPointe_17, Esperer_17, Indigo_17, Phettuccine_17, Nanodon_19, Hydra_19, Legacy_17
• Track 307 : Oliynyk_18, Rusticus_18, BryanRecycles_18, Eddasa_18, Jash_18, Izzy_18
• Track 308 : Lorelei_17, Rana_17, Nabi_17
• Track 309 : RedBear_19, Katalie_18, South40_18
• Track 310 : Sujidade_18, Godpower_18, Toma_17, Goby_17, Lika_17
• Track 311 : Brataylor_18
• Track 312 : Danzina_18, Celeste_17, Dattran_18, Zemlya_18
• Track 313 : Maneekul_17
• Track 314 : Triste_17
• Track 315 : Lannister_18
• Track 316 : Snorlax_17, Dwayne_17, Whatever_17, Chucky_17, BarryBee_19, OzzyJ_18, Werner_17, Emaanora_19, TagePhighter_18, SarahRose_17, Asten_17
• Track 317 : Ejemplo_17, Yasdnil_17, TuanPN_17
• Track 318 : TrvxScott_16
• Track 319 : Omar_18
• Track 320 : BartholomewSD_19, Alvy_19
• Track 321 : Amethyst_17
• Track 322 : Jevington_19
• Track 323 : Issmi_18
• Track 324 : Paolo_19, Marav_20, Zainub_19
• Track 325 : Triumph_19, Axiom_18
• Track 326 : SqueakyClean_18, Janus_18, GirlDinner_17, Animus_18
• Track 327 : Hank144_18
• Track 328 : Daudau_17
• Track 329 : Nishikigoi_17, Haizum_17
• Track 330 : Bowden_18, Thestral_18, TinaBelcher_17
• Track 331 : Loofah_18, Paedore_17
• Track 332 : Andris_17
• Track 333 : Puginator_19
• Track 334 : Caelum_17
• Track 335 : Tefunt_17
• Track 336 : Diane_17
• Track 337 : Yosif_18
• Track 338 : Conan_18, ElGato_18, Provolone_18, Pavo_18
• Track 339 : Saftant_17

• Track 340 : Kaine_17, Dexers_16, Alsaber_18, Sudan_17
• Track 341 : Speedwell_22, Amela_17, SunkenRoot_17, Verse_17
• Track 342 : ZamZam_17
• Track 343 : Jhitchelle_16
• Track 344 : GreenWeasel_19, BroPlease_17
• Track 345 : VieEnRose_17
• Track 346 : Urza_17, Itza_17, Celia_17
• Track 347 : Espica_20, UhSalsa_20, Gollum_20, Naiad_20, Belenaria_20, Phrankenstein_20, RER2_, CosmicSans_20, Swann_20, TWAMP_20, Alatin_20, StCroix_20, Bradshaw_20, Lillie_20, Shuman_20, Erik_20, RexFury_20, Nancinator_20, Natosaleda_20, Rhodalysa_20
• Track 348 : Krishelle_20, Hiro_20, PhailMary_19, AppleCloud_18
• Track 349 : Dinger_20, Partridge_20
• Track 350 : Yoncess_20, BobbyDazzler_20, Bryce_20, Harlequin_20
• Track 351 : Alpacados_19, Bonanza_19, Yogi_20
• Track 352 : AngryOrchard_19, Takoda_20
• Track 353 : RGL3_
• Track 354 : Jester_19
• Track 355 : Rasputin_20
• Track 356 : Zaheer_19
• Track 357 : QuinnAvery_19, BigSherm_19
• Track 358 : Ryan_18
• Track 359 : Schism_19, Nandita_18, Guinevere_19
• Track 360 : Halloweekend_17, Gusanita_17
• Track 361 : Kihatsu_19, Donatella_18
• Track 362 : Cole_17
• Track 363 : MillySue_19
• Track 364 : GoodLuckBabe_19
• Track 365 : Julie_19
• Track 366 : AllBusiness_18
• Track 367 : Ichiang_17
• Track 368 : IsHungry_19
• Track 369 : Elesar_18
• Track 370 : Popper_17
• Track 371 : Dirtdigger_19
• Track 372 : ToastyOats_21
• Track 373 : Toodles_19
• Track 374 : Bauer_18
• Track 375 : BlackSpider_16, Cassini_16
• Track 376 : Zucker_17
• Track 377 : MrSmee_15
• Track 378 : Skitty_15
• Track 379 : Attoomi_14

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

The start number called the most often in the published annotations is 64, it was called in 837 of the 1013 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 20ES_25, 40AC_28, AFIS_23, AN3_25, AN9_28, ANI8_28, Aaronocolus_17, AbbyDaisy_16, AbbyPaige_27, AbbysRanger_24, Abbyshoes_24, Abdiel_23, Achebe_23, Acme_25, Acolyte_25, Adahisdi_24, Adzzy_26, Agape74_27, AgentM_21, Airmid_21, Ajay_23, Alatin_20, Albee_24, Alberto7_25, Aldrich_24, Aliter_26, AllBusiness_18, Alma_26, Alpacados_19, Alsaber_18, Altman_25, Alvy_19, Amela_17, Amethyst_17, Anaysia_27, Andris_17, Aneem_25, Anglerfish_24, AngryOrchard_19, Animus_18, Annyong_24, Anon_25, Anselm_25, Anthony_24, AppleCloud_18, Applejack_23, Aragog_21, Arcanine_24, ArcherNM_27, Archetta_21, Arlo_22, Artemis2UCLA_28, Arturo_22, Ashballer_22, Asten_17, Astro_21, Atkinbua_24, AvatarAhPeg_25, Avle17_24, Axiom_18, Ayanochan_26, BABullseye_28, BPBiebs31_24, Baby16_24, BabyBack_27, Bachome_25, Backyardigan_24, BaconJack_25, Bactobuster_26, Badger_24, Baehexic_26, BangNhom_24, Barriga_23, BarrowTuph_22, BarryBee_19, BartholomewSD_19, Bartimeaus_24, Battleship_28, BeardedLady_18, Beatrix_22, Beemo_26, BeesKnees_24, Belenaria_20, Bellris_24, BellusTerra_24, Benedict_21, BengiVuitton_26, BennyP_28, Benvolio_25, Bexan_22, BiancaTri92_27, Big3_23, BigMau_25, BigSherm_19, Bigchungi_23, BillKnuckles_24, Bircsak_23, BlackSpider_16, Blackmoor_24, BlessJoy_28, Blesser_23, Blinn1_28, BluSpix_23, Blue7_28, Blue_23, Bluefalcon_20, Bob3_21, BobSwaget_28, BobbyDazzler_20, BogosyJay_26, Bombshell_24, Bonamassa_21, Bonanza_19, Bones_23, Boohoo_27, Bovely_17, Bowden_18, Bowtie_25, Bradshaw_20, Brataylor_18, Briton15_25, BroPlease_17, Broseidon_24, Bruiser_23, Bruns_22, BryanRecycles_18, Bryce_20, BubbleTrouble_24, Bud_25, Bugsy_27, Bumblebee11_24, Burger_23, Burton_24, Buttons_24, Bxb1_20, CRB1_25, CactusRose_22, Caelakin_24, Caelum_17, Caitlin_21, Caliburn_17, Camperdownii_23, Candra_28, Caraxes_24, Carlyle_25, Cassini_16, Catalina_26, Celeste_17, Celestialunch_24, Celia_17, Centaur_27, CentreCat_24, Cerulean_25, Chadwick_21, ChampagnePapi_25, Chanagan_22, Changeling_27, Chaph_24, Chargerpower_25, Charm_25, Chartreuse_28, ChipMunk_27, Chucky_17, Chupacabra_24, Ciao_23, Cici_24, Cindaradix_23, Cintron_24, Citius_24, Clarenza_24, Cocoaberry_24, Cole_17, Colin_28, Commander_24, Conan_18, ConceptII_24, Connomayer_24, Conquerage_26, Conspiracy_21, Cookiedough_28, Corvo_23, CosmicSans_20, Crispicous1_22, Crucio_25, Cuco_21, Cueylyss_23, D29_25, D32_28, DBQu4n_28, Dalmatian_25, Danforth_20, Danzina_18, Darrell_27, DarthPhader_26, Dattran_18, Datway_24, Daudau_17, Deano_24, DeerParkTS_26, DekHockey33_27, Deloris_26, Dexers_16, Dexes_24, Dhanush_23, Diane_17, Dignity_27, Dinger_20, Dirtdigger_19, DirtyDunning_24, Discoknowium_21, Dixon_21, Donatella_18, Doom_24, Dorothea_28, Drake55_27, Drake94_23, DreamCatcher_26, DreamTeam1_25, Dreamboat_24, DroogsArmy_25, Druantia_24, Dublin_20, DudeLittle_25, Dulcie_22, Duplo_28, Dussy_24, Dwayne_17, Dynamix_24, EZMoney23_29, EagleEye_27, Eagle_23, Eaglepride_25, Eapen_24, Ebony_25, Echild_25, Eddasa_18, Edison31_24, EdogawaKiddo_26, Eidsmoe_26, Ejemplo_17, ElGato_18, ElTiger69_20, Elephantoon_26, Elesar_18, Elle_25, Emaanora_19, EmyBug_26, EnzoK_24, Epsocamisio_27, Equemioh13_27, EricB_28, Erik_20, Eris_23, Eros_23, Esperer_17, Espica_20, Espresso_23, Et2Brutus_24, Euphoria_23, Eurydice_24, EvilGenius_27, Expelliarmus_20, ExplosioNervosa_26, Eyeball_23, Fajezeel_25, Fameo_25, FatCactus_23, Fayely_26, Fenn_24, Fibonacci_25, FiringLine_25, Flare16_25, Flaverint_25, Florean_24, Flux_24, ForGetIt_21, ForesterFrank_27, Forsytheast_21, Francis47_23, Funston_24, Fushigi_24, GMonster_22, Gadost_24, GageAP_25, Gail_24, Gandalf20_24, GaugeLDP_27, George_20, Georgie2_26, Ghoulboy_21, Gilberta_25, GirlDinner_17, Gladiator_28, Goby_17, Godpower_18, Gollum_20, Gompeii16_23, GoodLuckBabe_19, Goose_24, Graduation_25, Gratitude_27, GrecoEtereo_24,

GreedyLawyer_28, GreenWeasel_19, Greg_25, GroundGoblin_24, Groundhog_20, Gruunaga_28, Guinevere_19, Gusanita_17, Gwendoluna_25, Gyzlar_25, HINdeR_24, Haizum_17, Halloweekend_17, HamSlice_23, Hami1_25, HanShotFirst_23, Hank144_18, Hanray_26, Happiness_24, Harlequin_20, HarryHoudini_27, Heffalump_26, Helmet_28, Herbertwm_22, Hermia_25, Hexamo_28, HippoHollow_26, Hiro_20, Holex_26, Holli_23, Homines_23, Hoot_28, Hope4ever_23, HortumSL17_26, Houdini22_24, HuhtaEnerson15_21, Hutc2_25, Huxley_24, Hydra_19, ICleared_24, ILeeKay_25, Iceman_25, Ichabod_24, Ichiang_17, IgnatiusPatJac_22, Imbriano_28, Indigo_17, Insomnia_25, Iracema64_25, IronMan_27, IsHungry_19, Isiphiwo_28, Issmi_18, Itza_17, Iwokeuplikedis_26, Izzy_18, JC27_24, Jaan_28, Jabiru_21, Jabith_25, JackSparrow_24, Janus_18, Jash_18, Jasper_24, Jaykayelowell_24, Jeeves_24, Jerm2_24, Jerm_27, Jester_19, JetBlade_24, Jevington_19, JewelBug_28, Jhitchelle_16, Jiawan_26, JoongJeon_23, Jordennis_28, Joselito_25, JoshKayV_27, Journey13_23, Jovo_21, Jsquared_24, JuliaChild_25, Julie_19, KFPoly_24, KSSJEB_22, Kaine_17, Kalpine_28, Kampy_24, Kanely_24, Katalie136_24, Katalie_18, KatherineG_27, Kenmech_26, Kerberos_28, Kihatsu_19, KikiBouba_25, Killigrew_21, Kimba_25, KingCyrus_27, Kingmustik0402_23, Kipper29_28, KittenMittens_23, Koan_24, Koduck_26, Koko_28, Koreni_23, Kratark_24, Kremtemulon_24, Krishelle_20, Kristoff_25, KyMonks1A_25, Kyee_24, L5_25, LHTSCC_25, LadyBird_25, Lamina13_23, Landor_26, Lannister_18, LappelDuVide_24, Larenn_26, LastResort_27, Legacy_17, Lemur_24, Leogania_27, Lesedi_21, Lev2_21, Levia_22, Leviathan_27, Leviticus_17, Lika_17, LilBib_24, LilTurb_27, Lilbunny_28, Lilleskat_26, Lillie_20, LionsBait_26, LittleB_24, LittleCherry_21, LittleGuy_24, LochMonster_24, Lokk_28, LoneWolf_26, Loofah_18, Looper_28, Lorelei_17, Lorenzo_24, Loser_28, Luchador_26, Lucivia_25, Lucyedi_26, LunarLander_23, Lunsford_25, MPlant7149_21, MaCh_25, Mabel_25, Magnar_23, Makemake_23, Malec_26, Maminiaina_26, Manatee_24, Maneekul_17, Marav_20, Marchy_22, Marco3_23, Marge_24, Maroc7_22, Marsha_23, MaryBeth_23, MarysWell_20, Maverick_24, Maxo_24, Mayonnaise_24, Mazhar510_24, McFly_28, McGuire_24, McSinger_24, Medusa_24, MeeZee_24, Melvin_24, MetalQZJ_23, Micasa_21, Michley_23, MiculUcigas_25, Miko_28, Milcery_21, MilleFeuille_22, Millski_23, MillySue_19, MinecraftSteve_28, Miramae_24, MissWhite_25, Molly_24, Monet_25, Moose_22, Morpher26_24, Morrow_24, MrGordo_23, MrSmee_15, Mryolo_21, Mulciber_25, Mule_23, Munch_25, Mundrea_24, Museum_24, MyraDee_22, Myxus_26, NEHalo_23, NaSiaTalie_25, Nabi_17, Naiad_20, Naira_24, Naji_28, Nancinator_20, Nandita_18, Nanodon_19, Natosaleda_20, NearlyHeadless_21, Nebs_24, Nebulosus_27, Neeharika16_28, Nemo27_24, Nerdos_17, Nerujay_24, Newrala_27, Nhonho_23, NicoleTera_29, Nishikigoi_17, Niza_25, Noelle_24, Norz_25, NotAPhaseMom_24, NothingSpecial_27, Noxious_25, Nyxis_24, OKCentral2016_24, OKaNui_25, Obama12_25, Odin_24, Ohfah_24, Ohno789_23, Oliynyk_18, Omar_18, Onglai_25, Oofda_27, Oogway_22, Orange_25, Ozzie_17, OzzyJ_18, PSullivan_25, PacerPaul_23, PackMan_26, Paedore_17, PainterBoy_26, Palestino_23, Paolo_19, Papez_25, Paphu_22, Paraselene_22, Pari_24, Parliament_22, Partridge_20, PascalRango_22, Pavo_18, Payneful_23, PeaceMeal1_23, Peaches_24, Pelly_24, Pepe_24, Perplexer_24, Perseus_24, PeterPeter_24, Petersenfast_25, Peterson_26, PetiteSangsue_24, Petp2012_25, Petruchio_23, PetterN_22, Ph8s_26, Phacado_23, Phaeder_26, PhailMary_19, Pharaoh_25, Phelipe_24, PherrisBueller_24, Phettuccine_17, Phighter1804_24, Phillis_21, PhineBark_22, Phlei_20, Phlorence_21, Phonnegut_26, Phontbonne_24, Phrankenstein_20, PickleBack_21, PinkPlastic_22, Pinto_25, Pioneer_26, Pipcraft_24, Pippin_25, Piro94_26, Pita2_25, Pmask_28, Polymorphads_24, Polyphemus_28, Pomar16_28, Poompha_23,

Popper_17, PowerRanger_23, Power_25, Priamo_28, Prinashe11_21, Priya_26, ProMouse_24, Provolone_18, Prudy_28, Puginator_19, Pukovnik_27, Pumbaa_24, Puppet_23, QTRlifeCrisis_23, Qobbit_26, QueenB2_25, QueenBeesly_25, QuinnAvery_19, RER2_, RGL3_, Rachaly_28, Rahalelujah_24, Raid_23, Rajelicia_23, Rana_17, Rasputin_20, Ravana_27, ReMo_27, Rebeuca_25, RedBear_19, RedRock_28, Refuge_28, Relief_24, Remus_27, Retro23_25, RexFury_20, Rhodalysa_20, RhynO_25, RidgeCB_23, Rifter_28, Ringer_23, Roary_21, RockieBear_24, Rohr_24, Roksolana_28, Romney_24, Roosevelt_24, Rosalind_27, Rubeus_24, Ruin_24, Ruotula_21, Rusticus_18, Rutherferd_25, Ryan_18, RyeScarlet_26, STLscum_24, Sabertooth_23, Sachima_26, Saftant_17, Saintus_21, Salz_25, Sanya_23, SarFire_23, SarahRose_17, Saskia_25, Scamp_24, Scherzo_26, Schism_19, Scorpia_22, Scowl_23, Seabiscuit_25, Seanderson_24, SemperFi_27, SenorClean_24, Serenity_24, Severus_23, Shaka_24, Sham4_25, ShayRa_28, SheaKeira_25, Sheen_26, SheldonCooper_25, ShortQueendom_23, Shuman_20, Shygu2_24, Sibs6_25, Skipitt_24, Skitty_15, Sknot_25, Smairt_24, Smeadley_21, Smeagan_27, Smeagol_25, SmellyB_28, SnapTap_25, Snape_25, Snazzy_21, Snorlax_17, Solon_23, SororFago_24, Sorpresa_23, Soups_27, South40_18, Sparxx_24, Speedwell_22, SpikeBT_25, Spino_24, Spouty_26, SqueakyClean_18, Squee_24, StCroix_20, StarStuff_28, Stasia_25, SteMason_24, Steamy_26, Stephig9_21, StewieG_22, Stink_25, StrongArm_22, Strosahl_27, Sudan_17, Sujidade_18, Sultana_24, Sumter_22, Sunhee_24, SunkenRoot_17, SunsetPointe_17, Sunshine924_22, SuperCallie99_28, Superchunk_24, Swann_20, SweetiePie_25, SwirlSquare_26, Swirley_21, SwissCheese_23, Switzer_23, Switzerland_27, Swole_25, SydNat_21, TWAMP_20, TagePhighter_18, Takoda_20, Taquarus_24, Target_25, TarsusIV_25, Tarynearal_19, Tasp14_24, Tefunt_17, Temprado_28, Terrific_27, Thanksgivukkah_24, Theia_19, TheloniousMonk_25, Thestral_18, Thor_22, Tiger_21, Timothy_25, Timshel_25, TinaBelcher_17, TinaFeyge_23, TinyTimmy_25, Tinybot_23, TipsytheTRex_24, TiroTheta9_24, ToastyOats_21, Toma_17, Tomathan_28, Toodles_19, Topanga_24, Topgun_23, Tote_25, Traft412_25, Trike_22, Tripl3t_24, Tristan_26, Triste_17, Triumph_19, Trixie_28, Trooper_25, TroyPia_24, TuanPN_17, Tubs_26, Tucker_28, Turbido_27, Twigg_21, Twister_24, TwoPeat_24, TygerBlood_24, Ugenie5_23, UhSalsa_20, Ulysses_23, Unstoppable_17, Updawg_27, Urza_17, VA6_25, VC3_28, Verse_17, VieEnRose_17, Violet_22, VohminGhazi_28, Waits_27, WalterMcMickey_24, Wander_24, Warrior24_27, Watermelon_25, WeiHuaDA_30, Werner_17, Whabigail7_27, Whatever_17, Wheeler_23, WideWale_27, Wiks_28, Wilbur_24, Wile_24, Wilkins_23, Wizard007_24, WunderPhul_27, Xena_24, XianYue_25, Yasdnil_17, YoSam321_24, Yogi_20, Yokurt_28, Yoncess_20, Yosif_18, Zaheer_19, Zainub_19, Zaka_28, ZamZam_17, Zeeculate_22, Zemlya_18, Zeuska_24, Zimmer_27, Zolita_20, Zulu_28,

Genes that have the "Most Annotated" start but do not call it:
• Alvin_24, BigPaolini_24, CloudWang3_28, Coog_21, DD5_24, DrFeelGood_22, Edtherson_24, First_0024, Froghopper_24, Hammer_27, HarryOW_24, HermioneGrange_23, Indra_28, Jeffabunny_28, KBG_24, Kinmap_24, Kugel_24, Licorice_25, Lockley_23, Lopton_24, Magnito_22, Marcell_23, Midas2_21, Naca_21, PattyP_25, Phaded_28, Rhynn_23, Rufus_24, Sagefire_24, SkiPole_25, Slagathor_24, SuperAwesome_28, ToneTone_26, Treddle_25, Trouble_23, TrvxScott_16, Turj99_22, UnionJack_20, Wolpertinger_24, Zephyr_23,

Genes that do not have the "Most Annotated" start:
• ACFishhook_26, Abrogate_240, Aglet_26, AgronaGT15_26, Arissanae_24, Attoomi_14, AugsMagnumOpus_28, BabyRay_24, Bauer_18, Beauxregard13_26,

Bigflo_26, Bigfoot_22, BlueBird_25, BreSam8_26, Bugatti_25, BuzzBuzz_25, Calvinny_26, Caviar_25, Clammy_25, ClownCar_26, Colbster_26, Cullens_26, DaHudson_26, Daishi_25, Dieselweasel_26, DropBear_24, EpicPhail_25, Farber_26, Fascinus_22, Fernando_26, Fred313_24, Gemma_26, GingkoMaracino_26, Giroux_25, Grif_26, Groupthink_27, Grub_26, Grum1_26, GtownJaz_26, Gwennie_26, HashRod_27, HaveUMetTed_27, Heathen_24, HelDan_24, Heliosoles_26, Hercules11_26, Hookmount_25, Idleandcovert_23, Isca_24, JF2_24, JF4_24, JHC117_26, JenCasNa_25, JeppNRM_27, Jobu08_26, Jorgensen_23, KADY_26, Kachowdy_24, Kalb97_27, Kalnoky_27, Keziacharles14_24, Kimona_21, Kykar_21, LBerry_26, Lambert1_25, LarryKay_26, Lilith_26, Louie6_26, Lowa_26, LugYA_28, MA5_24, MK4_24, MadMarie_26, Mainiac_26, Malinsilva_28, Manu_27, MarQuardt_26, Margo_25, Marie_26, Marius_27, Methuselah_25, Microwolf_26, Misomonster_28, MoneyMay_26, MuchMore_28, Nedarya_26, Noella_25, Norbert_24, OlanP_25, Ollie_26, P28Green_26, PGHhamlin_28, Panamaxus_24, Pawn_26, Pembroke_26, Penny1_25, Phantastic_24, PhishRPhriends_25, Phoebe_26, Phoxy_25, Phranny_27, Pistachio_25, Pocahontas_25, Popcicle_25, PotatoSplit_27, Puppy_25, PurpleHaze_26, QuinnKiro_24, Reba_27, ResDef_25, Rockstar_24, Rummer_26, Sabia_25, Sabinator_26, Scout_24, Snickers_26, SoYo_26, SoilDragon_26, Soshari_28, Spike509_25, Stagni_25, StepMih_26, TNguyen7_24, Taurus_26, Texage_24, Tiffany_26, TinyPebbles_26, Toaka_24, Todacoro_25, Vanisoa_24, Veracruz_24, Vix_26, Watson_26, Wooldri_28, Yecey3_25, Zetzy_25, Zucker_17,

Summary by start number:

Start 11:
• Found in 6 of 1020 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 16.7% of time when present
• Phage (with cluster) where this start called: HarryOW_24 (A1),

Start 19:
• Found in 1 of 1020 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TrvxScott_16 (BD2),

Start 22:
• Found in 16 of 1020 (1.6%) of genes in pham
• Manual Annotations of this start: 2 of 1013
• Called 12.5% of time when present
• Phage (with cluster) where this start called: HelDan_24 (A3), TNguyen7_24 (A3),

Start 25:
• Found in 12 of 1020 (1.2%) of genes in pham
• Manual Annotations of this start: 2 of 1013
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Licorice_25 (A1), Phaded_28 (A2),

Start 30:
• Found in 4 of 1020 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 25.0% of time when present

• Phage (with cluster) where this start called: SkiPole_25 (A1),

Start 33:
• Found in 9 of 1020 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 11.1% of time when present
• Phage (with cluster) where this start called: KBG_24 (A1),

Start 38:
• Found in 112 of 1020 (11.0%) of genes in pham
• Manual Annotations of this start: 21 of 1013
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Alvin_24 (A1), BigPaolini_24 (A1), DD5_24 (A1), DrFeelGood_22 (A1), Edtherson_24 (A1), Froghopper_24 (A1), HermioneGrange_23 (A1), Kugel_24 (A1), Lockley_23 (A1), Lopton_24 (A1), Magnito_22 (A1), Marcell_23 (A1), PattyP_25 (A1), Rhynn_23 (A1), Rufus_24 (A1), Sagefire_24 (A1), Slagathor_24 (A1), Treddle_25 (A1), Trouble_23 (A1), Turj99_22 (A1), Zephyr_23 (A1),

Start 39:
• Found in 36 of 1020 (3.5%) of genes in pham
• Manual Annotations of this start: 3 of 1013
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Coog_21 (A5), Midas2_21 (A5), Naca_21 (A5),

Start 50:
• Found in 166 of 1020 (16.3%) of genes in pham
• Manual Annotations of this start: 37 of 1013
• Called 22.9% of time when present
• Phage (with cluster) where this start called: Aglet_26 (A3), Beauxregard13_26 (A3), CloudWang3_28 (A6), DaHudson_26 (A3), EpicPhail_25 (A3), Farber_26 (A3), First_0024 (A2), Hammer_27 (A6), Heathen_24 (A3), Idleandcovert_23 (A3), Indra_28 (A6), Isca_24 (A3), JF2_24 (A3), JF4_24 (A3), Jeffabunny_28 (A6), Jobu08_26 (A3), Lilith_26 (A3), Louie6_26 (A3), MA5_24 (A3), MK4_24 (A3), Mainiac_26 (A3), Malinsilva_28 (A3), MarQuardt_26 (A3), Microwolf_26 (A3), Penny1_25 (A3), Phantastic_24 (A3), Pistachio_25 (A3), PotatoSplit_27 (A3), Puppy_25 (A3), Rockstar_24 (A3), Sabia_25 (A3), Sabinator_26 (A3), Soshari_28 (A3), StepMih_26 (A3), SuperAwesome_28 (A6), Tiffany_26 (A3), ToneTone_26 (A6), UnionJack_20 (A5),

Start 61:
• Found in 124 of 1020 (12.2%) of genes in pham
• Manual Annotations of this start: 92 of 1013
• Called 74.2% of time when present
• Phage (with cluster) where this start called: ACFishhook_26 (A3), AgronaGT15_26 (A3), AugsMagnumOpus_28 (A3), BabyRay_24 (A3), Bigflo_26 (A3), BlueBird_25 (A3), BreSam8_26 (A3), Bugatti_25 (A3), BuzzBuzz_25 (A3), Calvinny_26 (A3), Caviar_25 (A3), Clammy_25 (A3), ClownCar_26 (A3), Colbster_26 (A3), Cullens_26 (A3), Daishi_25 (A3), Dieselweasel_26 (A3), DropBear_24 (A3), Fernando_26 (A3), Fred313_24 (A3), Gemma_26 (A3), GingkoMaracino_26 (A3), Giroux_25 (A3), Grif_26 (A3), Groupthink_27 (A3), Grub_26 (A3), Grum1_26 (A3), GtownJaz_26 (A3), Gwennie_26 (A3), HashRod_27 (A3), HaveUMetTed_27 (A3), Heliosoles_26 (A3),

Hercules11_26 (A3), Hookmount_25 (A3), JHC117_26 (A3), JenCasNa_25 (A3), JeppNRM_27 (A3), KADY_26 (A3), Kachowdy_24 (A3), Kalb97_27 (A3), Kalnoky_27 (A3), Kimona_21 (A19), LBerry_26 (A3), Lambert1_25 (A3), LarryKay_26 (A3), Lowa_26 (A3), LugYA_28 (A3), MadMarie_26 (A3), Manu_27 (A3), Margo_25 (A3), Marie_26 (A3), Marius_27 (A3), Methuselah_25 (A3), Misomonster_28 (A3), MoneyMay_26 (A3), MuchMore_28 (A3), Nedarya_26 (A15), Noella_25 (A3), Norbert_24 (A3), OlanP_25 (A3), Ollie_26 (A3), P28Green_26 (A3), PGHhamlin_28 (A3), Panamaxus_24 (A3), Pawn_26 (A3), Pembroke_26 (A3), PhishRPhriends_25 (A3), Phoebe_26 (A3), Phoxy_25 (A3), Phranny_27 (A3), Pocahontas_25 (A3), Popcicle_25 (A3), PurpleHaze_26 (A3), QuinnKiro_24 (A3), Reba_27 (A3), ResDef_25 (A3), Rummer_26 (A3), Scout_24 (A3), Snickers_26 (A3), SoYo_26 (A3), SoilDragon_26 (A3), Spike509_25 (A3), Stagni_25 (A3), Taurus_26 (A3), Texage_24 (A3), TinyPebbles_26 (A3), Todacoro_25 (A3), Veracruz_24 (A3), Vix_26 (A3), Watson_26 (A3), Wooldri_28 (A3), Zetzy_25 (A3),

Start 62:
• Found in 5 of 1020 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 1013
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arissanae_24 (A9), Keziacharles14_24 (A9), Toaka_24 (A9), Vanisoa_24 (A9), Yecey3_25 (A9),

Start 63:
• Found in 5 of 1020 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 1013
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abrogate_240 (A1), Bigfoot_22 (A1), Fascinus_22 (A1), Jorgensen_23 (A1), Kykar_21 (A1),

Start 64:
• Found in 883 of 1020 (86.6%) of genes in pham
• Manual Annotations of this start: 837 of 1013
• Called 95.5% of time when present
• Phage (with cluster) where this start called: 20ES_25 (A2), 40AC_28 (A17), AFIS_23 (A1), AN3_25 (A2), AN9_28 (A2), ANI8_28 (A2), Aaronocolus_17 (BD1), AbbyDaisy_16 (AY), AbbyPaige_27 (A2), AbbysRanger_24 (A4), Abbyshoes_24 (A1), Abdiel_23 (A4), Achebe_23 (A4), Acme_25 (A1), Acolyte_25 (A2), Adahisdi_24 (A1), Adzzy_26 (A2), Agape74_27 (A2), AgentM_21 (A5), Airmid_21 (A5), Ajay_23 (A1), Alatin_20 (CA), Albee_24 (A4), Alberto7_25 (A4), Aldrich_24 (A1), Aliter_26 (A9), AllBusiness_18 (FF), Alma_26 (A9), Alpacados_19 (CA), Alsaber_18 (BD3), Altman_25 (A1), Alvy_19 (BD2), Amela_17 (BD3), Amethyst_17 (BD2), Anaysia_27 (A15), Andris_17 (BD2), Aneem_25 (A11), Anglerfish_24 (A1), AngryOrchard_19 (CA), Animus_18 (BD2), Annyong_24 (A4), Anon_25 (A15), Anselm_25 (A2), Anthony_24 (A20), AppleCloud_18 (CA), Applejack_23 (A1), Aragog_21 (A5), Arcanine_24 (A1), ArcherNM_27 (A2), Archetta_21 (A5), Arlo_22 (A1), Artemis2UCLA_28 (A6), Arturo_22 (A4), Ashballer_22 (A1), Asten_17 (BD1), Astro_21 (A8), Atkinbua_24 (A1), AvatarAhPeg_25 (A4), Avle17_24 (A4), Axiom_18 (BD2), Ayanochan_26 (A9), BABullseye_28 (A6), BPBiebs31_24 (A1), Baby16_24 (A4), BabyBack_27 (A2), Bachome_25 (A11), Backyardigan_24 (A4), BaconJack_25 (A1), Bactobuster_26 (A2), Badger_24 (A4), Baehexic_26 (A2), BangNhom_24 (A4), Barriga_23 (A1), BarrowTuph_22 (A1), BarryBee_19 (BD1), BartholomewSD_19 (BD2), Bartimeaus_24 (A4), Battleship_28 (A15), BeardedLady_18 (BD1), Beatrix_22 (A1), Beemo_26 (A9), BeesKnees_24 (A1), Belenaria_20 (CA), Bellris_24 (A9),

BellusTerra_24 (A4), Benedict_21 (A5), BengiVuitton_26 (A2), BennyP_28 (A6), Benvolio_25 (A2), Bexan_22 (A1), BiancaTri92_27 (A2), Big3_23 (A1), BigMau_25 (A1), BigSherm_19 (FF), Bigchungi_23 (A1), BillKnuckles_24 (A1), Bircsak_23 (A1), BlackSpider_16 (FN), Blackmoor_24 (A4), BlessJoy_28 (A6), Blesser_23 (A1), Blinn1_28 (A6), BluSpix_23 (A1), Blue7_28 (A6), Blue_23 (A1), Bluefalcon_20 (A5), Bob3_21 (A1), BobSwaget_28 (A2), BobbyDazzler_20 (CA), BogosyJay_26 (A9), Bombshell_24 (A4), Bonamassa_21 (A5), Bonanza_19 (CA), Bones_23 (A1), Boohoo_27 (A15), Bovely_17 (BD1), Bowden_18 (BD2), Bowtie_25 (A11), Bradshaw_20 (CA), Brataylor_18 (BD1), Briton15_25 (A1), BroPlease_17 (BD4), Broseidon_24 (A4), Bruiser_23 (A4), Bruns_22 (A1), BryanRecycles_18 (BD1), Bryce_20 (CA), BubbleTrouble_24 (A4), Bud_25 (A11), Bugsy_27 (A2), Bumblebee11_24 (A4), Burger_23 (A4), Burton_24 (A1), Buttons_24 (A1), Bxb1_20 (A1), CRB1_25 (A2), CactusRose_22 (A1), Caelakin_24 (A4), Caelum_17 (BD2), Caitlin_21 (A8), Caliburn_17 (BD1), Camperdownii_23 (A4), Candra_28 (A6), Caraxes_24 (A2), Carlyle_25 (A1), Cassini_16 (FN), Catalina_26 (A9), Celeste_17 (BD1), Celestialunch_24 (A9), Celia_17 (BD6), Centaur_27 (A2), CentreCat_24 (A4), Cerulean_25 (A4), Chadwick_21 (A5), ChampagnePapi_25 (A4), Chanagan_22 (A1), Changeling_27 (A2), Chaph_24 (A4), Chargerpower_25 (A22), Charm_25 (A9), Chartreuse_28 (A6), ChipMunk_27 (A2), Chucky_17 (BD1), Chupacabra_24 (A10), Ciao_23 (A1), Cici_24 (A4), Cindaradix_23 (A4), Cintron_24 (A4), Citius_24 (A4), Clarenza_24 (A4), Cocoaberry_24 (A4), Cole_17 (FF), Colin_28 (A2), Commander_24 (A4), Conan_18 (BD3), ConceptII_24 (A1), Connomayer_24 (A4), Conquerage_26 (A9), Conspiracy_21 (A5), Cookiedough_28 (A6), Corvo_23 (A1), CosmicSans_20 (CA), Crispicous1_22 (A1), Crucio_25 (A2), Cuco_21 (A5), Cueylyss_23 (A1), D29_25 (A2), D32_28 (A2), DBQu4n_28 (A2), Dalmatian_25 (A2), Danforth_20 (A8), Danzina_18 (BD1), Darrell_27 (A9), DarthPhader_26 (A12), Dattran_18 (BD1), Datway_24 (A4), Daudau_17 (BD2), Deano_24 (A4), DeerParkTS_26 (A2), DekHockey33_27 (A15), Deloris_26 (A2), Dexers_16 (BD3), Dexes_24 (A1), Dhanush_23 (A4), Diane_17 (BD2), Dignity_27 (A2), Dinger_20 (CA), Dirtdigger_19 (FF), DirtyDunning_24 (A4), Discoknowium_21 (A5), Dixon_21 (A8), Donatella_18 (FF), Doom_24 (A1), Dorothea_28 (A6), Drake55_27 (A2), Drake94_23 (A10), DreamCatcher_26 (A1), DreamTeam1_25 (A9), Dreamboat_24 (A1), DroogsArmy_25 (A7), Druantia_24 (A4), Dublin_20 (A5), DudeLittle_25 (A2), Dulcie_22 (A1), Duplo_28 (A2), Dussy_24 (A1), Dwayne_17 (BD1), Dynamix_24 (A1), EZMoney23_29 (A2), EagleEye_27 (A16), Eagle_23 (A4), Eaglepride_25 (A10), Eapen_24 (A4), Ebony_25 (A11), Echild_25 (A2), Eddasa_18 (BD1), Edison31_24 (A10), EdogawaKiddo_26 (A9), Eidsmoe_26 (A9), Ejemplo_17 (BD1), ElGato_18 (BD3), ElTiger69_20 (A5), Elephantoon_26 (A9), Elesar_18 (FF), Elle_25 (A15), Emaanora_19 (BD1), EmyBug_26 (A9), EnzoK_24 (A1), Epsocamisio_27 (A15), Equemioh13_27 (A2), EricB_28 (A6), Erik_20 (CA), Eris_23 (A4), Eros_23 (A4), Esperer_17 (BD1), Espica_20 (CA), Espresso_23 (A1), Et2Brutus_24 (A11), Euphoria_23 (A1), Eurydice_24 (A4), EvilGenius_27 (A2), Expelliarmus_20 (A8), ExplosioNervosa_26 (A9), Eyeball_23 (A1), Fajezeel_25 (A1), Fameo_25 (A2), FatCactus_23 (A20), Fayely_26 (A9), Fenn_24 (A1), Fibonacci_25 (A11), FiringLine_25 (A2), Flare16_25 (A2), Flaverint_25 (A11), Florean_24 (A4), Flux_24 (A4), ForGetIt_21 (A5), ForesterFrank_27 (A2), Forsytheast_21 (A1), Francis47_23 (A1), Funston_24 (A4), Fushigi_24 (A1), GMonster_22 (A1), Gadost_24 (A4), GageAP_25 (A1), Gail_24 (A14), Gandalf20_24 (A1), GaugeLDP_27 (A2), George_20 (A5), Georgie2_26 (A2), Ghoulboy_21 (A5), Gilberta_25 (A11), GirlDinner_17 (BD2), Gladiator_28 (A6), Goby_17 (BD1), Godpower_18 (BD1), Gollum_20 (CA), Gompeii16_23 (A1), GoodLuckBabe_19 (FF), Goose_24 (A10), Graduation_25 (A1), Gratitude_27 (A2), GrecoEtereo_24 (A1), GreedyLawyer_28 (A6), GreenWeasel_19 (BD4), Greg_25 (A1), GroundGoblin_24 (A1), Groundhog_20

(A8), Gruunaga_28 (A6), Guinevere_19 (FF), Gusanita_17 (FF), Gwendoluna_25 (A1), Gyzlar_25 (A1), HINdeR_24 (A7), Haizum_17 (BD2), Halloweekend_17 (FF), HamSlice_23 (A4), Hami1_25 (A1), HanShotFirst_23 (A1), Hank144_18 (BD2), Hanray_26 (A9), Happiness_24 (A4), Harlequin_20 (CA), HarryHoudini_27 (A2), Heffalump_26 (A2), Helmet_28 (A6), Herbertwm_22 (A2), Hermia_25 (A1), Hexamo_28 (A6), HippoHollow_26 (A2), Hiro_20 (CA), Holex_26 (A9), Holli_23 (A4), Homines_23 (A1), Hoot_28 (A6), Hope4ever_23 (A1), HortumSL17_26 (A9), Houdini22_24 (A4), HuhtaEnerson15_21 (A5), Hutc2_25 (A11), Huxley_24 (A4), Hydra_19 (BD1), ICleared_24 (A4), ILeeKay_25 (A1), Iceman_25 (A4), Ichabod_24 (A1), Ichiang_17 (FF), IgnatiusPatJac_22 (A1), Imbriano_28 (A6), Indigo_17 (BD1), Insomnia_25 (A11), Iracema64_25 (A4), IronMan_27 (A2), IsHungry_19 (FF), Isiphiwo_28 (A6), Issmi_18 (BD2), Itza_17 (BD6), Iwokeuplikedis_26 (A2), Izzy_18 (BD1), JC27_24 (A1), Jaan_28 (A2), Jabiru_21 (A5), Jabith_25 (A11), JackSparrow_24 (A1), Janus_18 (BD2), Jash_18 (BD1), Jasper_24 (A1), Jaykayelowell_24 (A4), Jeeves_24 (A14), Jerm2_24 (A1), Jerm_27 (A2), Jester_19 (CA), JetBlade_24 (A4), Jevington_19 (BD2), JewelBug_28 (A6), Jhitchelle_16 (BD3), Jiawan_26 (A9), JoongJeon_23 (A4), Jordennis_28 (A6), Joselito_25 (A11), JoshKayV_27 (A2), Journey13_23 (A2), Jovo_21 (A5), Jsquared_24 (A2), JuliaChild_25 (A1), Julie_19 (FF), KFPoly_24 (A4), KSSJEB_22 (A1), Kaine_17 (BD3), Kalpine_28 (A2), Kampy_24 (A4), Kanely_24 (A1), Katalie136_24 (A4), Katalie_18 (BD1), KatherineG_27 (A15), Kenmech_26 (A1), Kerberos_28 (A2), Kihatsu_19 (FF), KikiBouba_25 (A1), Killigrew_21 (A1), Kimba_25 (A11), KingCyrus_27 (A2), Kingmustik0402_23 (A4), Kipper29_28 (A6), KittenMittens_23 (A10), Koan_24 (A4), Koduck_26 (A2), Koko_28 (A6), Koreni_23 (A4), Kratark_24 (A4), Kremtemulon_24 (A4), Krishelle_20 (CA), Kristoff_25 (A10), KyMonks1A_25 (A1), Kyee_24 (A4), L5_25 (A2), LHTSCC_25 (A4), LadyBird_25 (A2), Lamina13_23 (A1), Landor_26 (A2), Lannister_18 (BD1), LappelDuVide_24 (A4), Larenn_26 (A2), LastResort_27 (A15), Legacy_17 (BD1), Lemur_24 (A4), Leogania_27 (A2), Lesedi_21 (A1), Lev2_21 (A5), Levia_22 (A1), Leviathan_27 (A2), Leviticus_17 (BD1), Lika_17 (BD1), LilBib_24 (A1), LilTurb_27 (A2), Lilbunny_28 (A6), Lilleskat_26 (A9), Lillie_20 (CA), LionsBait_26 (A2), LittleB_24 (A4), LittleCherry_21 (A5), LittleGuy_24 (A4), LochMonster_24 (A4), Lokk_28 (A2), LoneWolf_26 (A9), Loofah_18 (BD2), Looper_28 (A15), Lorelei_17 (BD1), Lorenzo_24 (A4), Loser_28 (A2), Luchador_26 (A14), Lucivia_25 (A11), Lucyedi_26 (A16), LunarLander_23 (A1), Lunsford_25 (A4), MPlant7149_21 (A1), MaCh_25 (A11), Mabel_25 (A11), Magnar_23 (A1), Makemake_23 (A1), Malec_26 (A2), Maminiaina_26 (A9), Manatee_24 (A1), Maneekul_17 (BD1), Marav_20 (BD2), Marchy_22 (A1), Marco3_23 (A1), Marge_24 (A1), Maroc7_22 (A1), Marsha_23 (A1), MaryBeth_23 (A1), MarysWell_20 (A5), Maverick_24 (A4), Maxo_24 (A4), Mayonnaise_24 (A4), Mazhar510_24 (A4), McFly_28 (A6), McGuire_24 (A1), McSinger_24 (A1), Medusa_24 (A4), MeeZee_24 (A4), Melvin_24 (A4), MetalQZJ_23 (A1), Micasa_21 (A5), Michley_23 (A1), MiculUcigas_25 (A2), Miko_28 (A2), Milcery_21 (A5), MilleFeuille_22 (A1), Millski_23 (A4), MillySue_19 (FF), MinecraftSteve_28 (A15), Miramae_24 (A4), MissWhite_25 (A2), Molly_24 (A1), Monet_25 (A1), Moose_22 (A1), Morpher26_24 (A4), Morrow_24 (A4), MrGordo_23 (A1), MrSmee_15 (FQ1), Mryolo_21 (A1), Mulciber_25 (A11), Mule_23 (A1), Munch_25 (A11), Mundrea_24 (A4), Museum_24 (A1), MyraDee_22 (A18), Myxus_26 (A9), NEHalo_23 (A1), NaSiaTalie_25 (A2), Nabi_17 (BD1), Naiad_20 (CA), Naira_24 (A1), Naji_28 (A2), Nancinator_20 (CA), Nandita_18 (FF), Nanodon_19 (BD1), Natosaleda_20 (CA), NearlyHeadless_21 (A8), Nebs_24 (A4), Nebulosus_27 (A15), Neeharika16_28 (A6), Nemo27_24 (A4), Nerdos_17 (BD1), Nerujay_24 (A1), Newrala_27 (A6), Nhonho_23 (A1), NicoleTera_29 (A2), Nishikigoi_17 (BD2), Niza_25 (A1), Noelle_24 (A4), Norz_25 (A1), NotAPhaseMom_24 (A4), NothingSpecial_27 (A2), Noxious_25 (A1),

Nyxis_24 (A4), OKCentral2016_24 (A10), OKaNui_25 (A4), Obama12_25 (A4), Odin_24 (A2), Ohfah_24 (A4), Ohno789_23 (A1), Oliynyk_18 (BD1), Omar_18 (BD2), Onglai_25 (A9), Oofda_27 (A15), Oogway_22 (A1), Orange_25 (A11), Ozzie_17 (BD1), OzzyJ_18 (BD1), PSullivan_25 (A1), PacerPaul_23 (A1), PackMan_26 (A9), Paedore_17 (BD2), PainterBoy_26 (A16), Palestino_23 (A4), Paolo_19 (BD2), Papez_25 (A1), Paphu_22 (A1), Paraselene_22 (A1), Pari_24 (A1), Parliament_22 (A1), Partridge_20 (CA), PascalRango_22 (A1), Pavo_18 (BD3), Payneful_23 (A1), PeaceMeal1_23 (A10), Peaches_24 (A4), Pelly_24 (A1), Pepe_24 (A1), Perplexer_24 (A4), Perseus_24 (A1), PeterPeter_24 (A4), Petersenfast_25 (A11), Peterson_26 (A1), PetiteSangsue_24 (A4), Petp2012_25 (A1), Petruchio_23 (A1), PetterN_22 (A5), Ph8s_26 (A2), Phacado_23 (A4), Phaeder_26 (A9), PhailMary_19 (CA), Pharaoh_25 (A12), Phelipe_24 (A4), PherrisBueller_24 (A1), Phettuccine_17 (BD1), Phighter1804_24 (A4), Phillis_21 (A8), PhineBark_22 (A1), Phlei_20 (A13), Phlorence_21 (A5), Phonnegut_26 (A9), Phontbonne_24 (A4), Phrankenstein_20 (CA), PickleBack_21 (A5), PinkPlastic_22 (A1), Pinto_25 (A1), Pioneer_26 (A9), Pipcraft_24 (A4), Pippin_25 (A1), Piro94_26 (A2), Pita2_25 (A1), Pmask_28 (A6), Polymorphads_24 (A4), Polyphemus_28 (A6), Pomar16_28 (A2), Poompha_23 (A10), Popper_17 (FF), PowerRanger_23 (A1), Power_25 (A2), Priamo_28 (A6), Prinashe11_21 (A5), Priya_26 (A9), ProMouse_24 (A1), Provolone_18 (BD3), Prudy_28 (A2), Puginator_19 (BD2), Pukovnik_27 (A2), Pumbaa_24 (A4), Puppet_23 (A1), QTRlifeCrisis_23 (A1), Qobbit_26 (A9), QueenB2_25 (A2), QueenBeesly_25 (A2), QuinnAvery_19 (FF), RER2_ (CA), RGL3_ (CA), Rachaly_28 (A2), Rahalelujah_24 (A9), Raid_23 (A1), Rajelicia_23 (A1), Rana_17 (BD1), Rasputin_20 (CA), Ravana_27 (A15), ReMo_27 (A15), Rebeuca_25 (A10), RedBear_19 (BD1), RedRock_28 (A2), Refuge_28 (A12), Relief_24 (A4), Remus_27 (A15), Retro23_25 (A2), RexFury_20 (CA), Rhodalysa_20 (CA), RhynO_25 (A10), RidgeCB_23 (A1), Rifter_28 (A6), Ringer_23 (A1), Roary_21 (A8), RockieBear_24 (A4), Rohr_24 (A1), Roksolana_28 (A6), Romney_24 (A4), Roosevelt_24 (A4), Rosalind_27 (A15), Rubeus_24 (A1), Ruin_24 (A4), Ruotula_21 (A1), Rusticus_18 (BD1), Rutherferd_25 (A1), Ryan_18 (FF), RyeScarlet_26 (A9), STLscum_24 (A1), Sabertooth_23 (A4), Sachima_26 (A9), Saftant_17 (BD3), Saintus_21 (A8), Salz_25 (A11), Sanya_23 (A1), SarFire_23 (A1), SarahRose_17 (BD1), Saskia_25 (A11), Scamp_24 (A4), Scherzo_26 (A9), Schism_19 (FF), Scorpia_22 (A5), Scowl_23 (A1), Seabiscuit_25 (A1), Seanderson_24 (A1), SemperFi_27 (A2), SenorClean_24 (A4), Serenity_24 (A2), Severus_23 (A10), Shaka_24 (A4), Sham4_25 (A11), ShayRa_28 (A15), SheaKeira_25 (A9), Sheen_26 (A7), SheldonCooper_25 (A4), ShortQueendom_23 (A1), Shuman_20 (CA), Shygu2_24 (A4), Sibs6_25 (A1), Skipitt_24 (A4), Skitty_15 (FQ1), Sknot_25 (A2), Smairt_24 (A1), Smeadley_21 (A8), Smeagan_27 (A2), Smeagol_25 (A1), SmellyB_28 (A6), SnapTap_25 (A2), Snape_25 (A11), Snazzy_21 (A1), Snorlax_17 (BD1), Solon_23 (A1), SororFago_24 (A14), Sorpresa_23 (A1), Soups_27 (A15), South40_18 (BD1), Sparxx_24 (A4), Speedwell_22 (BD3), SpikeBT_25 (A1), Spino_24 (A4), Spouty_26 (A9), SqueakyClean_18 (BD2), Squee_24 (A1), StCroix_20 (CA), StarStuff_28 (A2), Stasia_25 (A4), SteMason_24 (A4), Steamy_26 (A12), Stephig9_21 (A8), StewieG_22 (A1), Stink_25 (A4), StrongArm_22 (A1), Strosahl_27 (A15), Sudan_17 (BD3), Sujidade_18 (BD1), Sultana_24 (A4), Sumter_22 (A1), Sunhee_24 (A14), SunkenRoot_17 (BD3), SunsetPointe_17 (BD1), Sunshine924_22 (A1), SuperCallie99_28 (A6), Superchunk_24 (A2), Swann_20 (CA), SweetiePie_25 (A2), SwirlSquare_26 (A2), Swirley_21 (A5), SwissCheese_23 (A1), Switzer_23 (A1), Switzerland_27 (A15), Swole_25 (A1), SydNat_21 (A5), TWAMP_20 (CA), TagePhighter_18 (BD1), Takoda_20 (CA), Taquarus_24 (A4), Target_25 (A1), TarsusIV_25 (A2), Tarynearal_19 (A5), Tasp14_24 (A1), Tefunt_17 (BD2), Temprado_28 (A6), Terrific_27 (A2), Thanksgivukkah_24 (A4), Theia_19 (A5), TheloniousMonk_25 (A1),

Thestral_18 (BD2), Thor_22 (A1), Tiger_21 (A5), Timothy_25 (A11), Timshel_25 (A7), TinaBelcher_17 (BD2), TinaFeyge_23 (A4), TinyTimmy_25 (A11), Tinybot_23 (A4), TipsytheTRex_24 (A2), TiroTheta9_24 (A4), ToastyOats_21 (FF), Toma_17 (BD1), Tomathan_28 (A2), Toodles_19 (FF), Topanga_24 (A10), Topgun_23 (A1), Tote_25 (A1), Traft412_25 (A1), Trike_22 (A10), Tripl3t_24 (A1), Tristan_26 (A2), Triste_17 (BD1), Triumph_19 (BD2), Trixie_28 (A2), Trooper_25 (A2), TroyPia_24 (A4), TuanPN_17 (BD1), Tubs_26 (A9), Tucker_28 (A6), Turbido_27 (A2), Twigg_21 (A5), Twister_24 (A10), TwoPeat_24 (A1), TygerBlood_24 (A4), Ugenie5_23 (A9), UhSalsa_20 (CA), Ulysses_23 (A4), Unstoppable_17 (BD1), Updawg_27 (A2), Urza_17 (BD6), VA6_25 (A2), VC3_28 (A2), Verse_17 (BD3), VieEnRose_17 (BD6), Violet_22 (A1), VohminGhazi_28 (A6), Waits_27 (A15), WalterMcMickey_24 (A10), Wander_24 (A4), Warrior24_27 (A15), Watermelon_25 (A1), WeiHuaDA_30 (A2), Werner_17 (BD1), Whabigail7_27 (A2), Whatever_17 (BD1), Wheeler_23 (A1), WideWale_27 (A2), Wiks_28 (A6), Wilbur_24 (A4), Wile_24 (A4), Wilkins_23 (A1), Wizard007_24 (A4), WunderPhul_27 (A6), Xena_24 (A4), XianYue_25 (A2), Yasdnil_17 (BD1), YoSam321_24 (A4), Yogi_20 (CA), Yokurt_28 (A6), Yoncess_20 (CA), Yosif_18 (BD3), Zaheer_19 (FF), Zainub_19 (BD2), Zaka_28 (A6), ZamZam_17 (BD3), Zeeculate_22 (A1), Zemlya_18 (BD1), Zeuska_24 (A1), Zimmer_27 (A12), Zolita_20 (A5), Zulu_28 (A6),

Start 65:
• Found in 2 of 1020 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1013
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_18 (FN), Zucker_17 (FN),

Start 66:
• Found in 1 of 1020 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Attoomi_14 (singleton),

Start 94:
• Found in 321 of 1020 (31.5%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Kinmap_24 (A21),

Start 97:
• Found in 66 of 1020 (6.5%) of genes in pham
• Manual Annotations of this start: 1 of 1013
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Wolpertinger_24 (A11),

Summary by clusters:

There are 33 clusters represented in this pham: singleton, FF, FN, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, A7, A6, A9, A8, BD3, CA, BD2, AY, A5, A20, A21, A22, BD6, FQ1,

Info for manual annotations of cluster A1:
•Start number 11 was manually annotated 1 time for cluster A1.
•Start number 25 was manually annotated 1 time for cluster A1.

•Start number 30 was manually annotated 1 time for cluster A1.
•Start number 33 was manually annotated 1 time for cluster A1.
•Start number 38 was manually annotated 21 times for cluster A1.
•Start number 63 was manually annotated 5 times for cluster A1.
•Start number 64 was manually annotated 194 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 64 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 64 was manually annotated 27 times for cluster A11.
•Start number 97 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster A12:
•Start number 64 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 64 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 61 was manually annotated 1 time for cluster A15.
•Start number 64 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 64 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 64 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 61 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 25 was manually annotated 1 time for cluster A2.
•Start number 64 was manually annotated 113 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 64 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 94 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 64 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 22 was manually annotated 2 times for cluster A3.
•Start number 50 was manually annotated 30 times for cluster A3.
•Start number 61 was manually annotated 90 times for cluster A3.

Info for manual annotations of cluster A4:

•Start number 64 was manually annotated 142 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 39 was manually annotated 3 times for cluster A5.
•Start number 50 was manually annotated 1 time for cluster A5.
•Start number 64 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 50 was manually annotated 6 times for cluster A6.
•Start number 64 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 64 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 64 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 62 was manually annotated 5 times for cluster A9.
•Start number 64 was manually annotated 41 times for cluster A9.

Info for manual annotations of cluster AY:
•Start number 64 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BD1:
•Start number 64 was manually annotated 54 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 19 was manually annotated 1 time for cluster BD2.
•Start number 64 was manually annotated 29 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 64 was manually annotated 16 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 64 was manually annotated 2 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 64 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CA:
•Start number 64 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster FF:
•Start number 64 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 64 was manually annotated 2 times for cluster FN.
•Start number 65 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FQ1:
•Start number 64 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: 20ES_25 Start: 15823, Stop: 16652, Start Num: 64
Candidate Starts for 20ES_25:
(Start: 39 @15733 has 3 MA's), (Start: 50 @15760 has 37 MA's), (Start: 64 @15823 has 837 MA's), (68, 15850), (80, 15907), (108, 16036), (118, 16078), (129, 16114), (132, 16123), (140, 16171), (143, 16186), (167, 16306), (182, 16390), (225, 16642),

Gene: 40AC_28 Start: 17840, Stop: 18669, Start Num: 64
Candidate Starts for 40AC_28:
(Start: 64 @17840 has 837 MA's), (Start: 94 @17978 has 1 MA's), (140, 18182), (145, 18203), (221, 18647),

Gene: ACFishhook_26 Start: 15342, Stop: 16138, Start Num: 61
Candidate Starts for ACFishhook_26:
(Start: 61 @15342 has 92 MA's), (77, 15414), (83, 15435), (85, 15447), (112, 15567), (115, 15576), (118, 15597), (128, 15639), (134, 15663), (136, 15669), (143, 15696), (149, 15741), (182, 15900), (218, 16104),

Gene: AFIS_23 Start: 15457, Stop: 16250, Start Num: 64
Candidate Starts for AFIS_23:
(Start: 38 @15358 has 21 MA's), (Start: 64 @15457 has 837 MA's), (75, 15526), (86, 15568), (95, 15601), (139, 15766), (140, 15769), (141, 15772), (186, 16012),

Gene: AN3_25 Start: 15807, Stop: 16636, Start Num: 64
Candidate Starts for AN3_25:
(Start: 39 @15717 has 3 MA's), (Start: 64 @15807 has 837 MA's), (68, 15834), (74, 15870), (108, 16020), (118, 16062), (128, 16095), (140, 16155), (143, 16170), (167, 16290), (182, 16374), (225, 16626),

Gene: AN9_28 Start: 15838, Stop: 16661, Start Num: 64
Candidate Starts for AN9_28:
(Start: 64 @15838 has 837 MA's), (80, 15922), (Start: 94 @15976 has 1 MA's), (108, 16048), (143, 16198), (144, 16201), (166, 16315), (167, 16318), (186, 16426), (206, 16558), (225, 16651),

Gene: ANI8_28 Start: 15838, Stop: 16661, Start Num: 64
Candidate Starts for ANI8_28:
(Start: 64 @15838 has 837 MA's), (80, 15922), (Start: 94 @15976 has 1 MA's), (108, 16048), (143, 16198), (144, 16201), (166, 16315), (167, 16318), (186, 16426), (206, 16558), (225, 16651),

Gene: Aaronocolus_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Aaronocolus_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: AbbyDaisy_16 Start: 8816, Stop: 9594, Start Num: 64
Candidate Starts for AbbyDaisy_16:
(Start: 64 @8816 has 837 MA's), (72, 8870), (89, 8936), (90, 8942), (116, 9005), (125, 9044), (157, 9197), (165, 9230), (188, 9335), (207, 9476), (213, 9512), (220, 9533), (229, 9578),

Gene: AbbyPaige_27 Start: 16298, Stop: 17130, Start Num: 64
Candidate Starts for AbbyPaige_27:

(Start: 64 @16298 has 837 MA's), (68, 16325), (74, 16361), (80, 16382), (108, 16511), (118, 16553), (128, 16586), (140, 16646), (143, 16661), (167, 16781), (182, 16865), (225, 17120),

Gene: AbbysRanger_24 Start: 15112, Stop: 15992, Start Num: 64
Candidate Starts for AbbysRanger_24:
(43, 15025), (Start: 64 @15112 has 837 MA's), (75, 15178), (83, 15205), (88, 15226), (Start: 94 @15250 has 1 MA's), (115, 15325), (138, 15418), (140, 15424), (161, 15535), (176, 15613), (181, 15640), (182, 15643), (185, 15658), (199, 15733), (215, 15844), (219, 15859),

Gene: Abbyshoes_24 Start: 15843, Stop: 16648, Start Num: 64
Candidate Starts for Abbyshoes_24:
(Start: 38 @15744 has 21 MA's), (Start: 64 @15843 has 837 MA's), (85, 15951), (99, 16002), (102, 16014), (106, 16047), (118, 16092), (127, 16125), (140, 16170), (143, 16185), (147, 16200), (149, 16230),

Gene: Abdiel_23 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Abdiel_23:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Abrogate_240 Start: 16207, Stop: 17006, Start Num: 63
Candidate Starts for Abrogate_240:
(Start: 63 @16207 has 5 MA's), (86, 16318), (Start: 94 @16348 has 1 MA's), (117, 16438),

Gene: Achebe_23 Start: 15092, Stop: 15960, Start Num: 64
Candidate Starts for Achebe_23:
(Start: 64 @15092 has 837 MA's), (75, 15158), (83, 15185), (85, 15197), (88, 15206), (Start: 94 @15230 has 1 MA's), (115, 15305), (138, 15398), (140, 15404), (161, 15515), (176, 15593), (180, 15608), (181, 15620), (185, 15638), (196, 15689), (215, 15824), (219, 15839),

Gene: Acme_25 Start: 15878, Stop: 16677, Start Num: 64
Candidate Starts for Acme_25:
(Start: 64 @15878 has 837 MA's), (75, 15947), (82, 15971), (85, 15986), (86, 15989), (129, 16157),

Gene: Acolyte_25 Start: 15948, Stop: 16756, Start Num: 64
Candidate Starts for Acolyte_25:
(Start: 64 @15948 has 837 MA's), (82, 16038), (95, 16089), (Start: 97 @16095 has 1 MA's), (140, 16284), (178, 16479), (181, 16500), (225, 16749),

Gene: Adahisdi_24 Start: 15776, Stop: 16575, Start Num: 64
Candidate Starts for Adahisdi_24:
(Start: 64 @15776 has 837 MA's), (91, 15905), (Start: 94 @15917 has 1 MA's), (117, 16007), (147, 16124),

Gene: Adzzy_26 Start: 14539, Stop: 15368, Start Num: 64
Candidate Starts for Adzzy_26:
(Start: 64 @14539 has 837 MA's), (80, 14623), (84, 14635), (Start: 94 @14677 has 1 MA's), (108, 14749), (140, 14884), (167, 15019), (182, 15103), (186, 15127), (204, 15253), (227, 15361),

Gene: Agape74_27 Start: 16274, Stop: 17106, Start Num: 64
Candidate Starts for Agape74_27:

(Start: 64 @16274 has 837 MA's), (68, 16301), (74, 16337), (80, 16358), (108, 16487), (118, 16529), (128, 16562), (140, 16622), (143, 16637), (167, 16757), (182, 16841), (225, 17096),

Gene: AgentM_21 Start: 14521, Stop: 15314, Start Num: 64
Candidate Starts for AgentM_21:
(Start: 64 @14521 has 837 MA's), (73, 14578), (75, 14584), (88, 14632), (Start: 94 @14656 has 1 MA's), (100, 14677), (102, 14686), (107, 14713), (114, 14734), (117, 14749), (122, 14770), (126, 14782), (143, 14854), (148, 14881), (158, 14938), (163, 14959), (165, 14968),

Gene: Aglet_26 Start: 15121, Stop: 15980, Start Num: 50
Candidate Starts for Aglet_26:
(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136, 15511), (143, 15538), (149, 15583), (218, 15946),

Gene: AgronaGT15_26 Start: 15091, Stop: 15887, Start Num: 61
Candidate Starts for AgronaGT15_26:
(Start: 50 @15028 has 37 MA's), (Start: 61 @15091 has 92 MA's), (83, 15184), (85, 15196), (Start: 94 @15229 has 1 MA's), (98, 15241), (112, 15316), (115, 15325), (118, 15346), (128, 15388), (136, 15418), (143, 15445), (149, 15490), (218, 15853),

Gene: Airmid_21 Start: 14287, Stop: 15083, Start Num: 64
Candidate Starts for Airmid_21:
(27, 14185), (Start: 50 @14224 has 37 MA's), (Start: 64 @14287 has 837 MA's), (Start: 94 @14422 has 1 MA's), (100, 14443), (107, 14479), (117, 14515), (136, 14593), (143, 14620), (147, 14635), (165, 14734), (172, 14764), (179, 14806), (182, 14824), (191, 14869), (213, 15034),

Gene: Ajay_23 Start: 15593, Stop: 16392, Start Num: 64
Candidate Starts for Ajay_23:
(Start: 33 @15491 has 1 MA's), (Start: 64 @15593 has 837 MA's), (75, 15662), (82, 15686), (85, 15701), (86, 15704), (129, 15872),

Gene: Alatin_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Alatin_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Albee_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Albee_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (137, 15401), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Alberto7_25 Start: 15400, Stop: 16268, Start Num: 64
Candidate Starts for Alberto7_25:
(Start: 64 @15400 has 837 MA's), (75, 15466), (83, 15493), (115, 15613), (138, 15706), (140, 15712), (161, 15823), (176, 15901), (181, 15928), (182, 15931), (185, 15946), (196, 15997), (215, 16132), (219, 16147),

Gene: Aldrich_24 Start: 16384, Stop: 17183, Start Num: 64
Candidate Starts for Aldrich_24:

(Start: 38 @16285 has 21 MA's), (Start: 64 @16384 has 837 MA's), (75, 16453), (82, 16477), (85, 16492), (86, 16495), (129, 16663),

Gene: Aliter_26 Start: 16542, Stop: 17389, Start Num: 64
Candidate Starts for Aliter_26:
(Start: 64 @16542 has 837 MA's), (77, 16614), (88, 16653), (109, 16755), (112, 16764), (134, 16860), (140, 16878), (143, 16893), (150, 16941), (182, 17097), (219, 17313),

Gene: AllBusiness_18 Start: 10263, Stop: 11038, Start Num: 64
Candidate Starts for AllBusiness_18:
(Start: 64 @10263 has 837 MA's), (78, 10338), (90, 10386), (131, 10509), (149, 10602), (157, 10641), (160, 10653), (162, 10662), (193, 10800), (229, 11022),

Gene: Alma_26 Start: 16621, Stop: 17468, Start Num: 64
Candidate Starts for Alma_26:
(Start: 64 @16621 has 837 MA's), (77, 16693), (88, 16732), (109, 16834), (112, 16843), (134, 16939), (140, 16957), (143, 16972), (150, 17020), (182, 17176), (215, 17377), (219, 17392),

Gene: Alpacados_19 Start: 11285, Stop: 12060, Start Num: 64
Candidate Starts for Alpacados_19:
(Start: 64 @11285 has 837 MA's), (95, 11423), (Start: 97 @11429 has 1 MA's), (110, 11480), (121, 11519), (138, 11585), (140, 11591), (147, 11621), (149, 11651), (151, 11660), (163, 11711), (165, 11720), (181, 11807), (194, 11861), (195, 11867), (211, 12002),

Gene: Alsaber_18 Start: 10852, Stop: 11558, Start Num: 64
Candidate Starts for Alsaber_18:
(Start: 64 @10852 has 837 MA's), (116, 11035), (136, 11119), (162, 11248), (184, 11353),

Gene: Altman_25 Start: 16372, Stop: 17171, Start Num: 64
Candidate Starts for Altman_25:
(Start: 38 @16273 has 21 MA's), (Start: 64 @16372 has 837 MA's), (91, 16501), (Start: 94 @16513 has 1 MA's), (117, 16603), (147, 16720),

Gene: Alvin_24 Start: 15994, Stop: 16892, Start Num: 38
Candidate Starts for Alvin_24:
(Start: 38 @15994 has 21 MA's), (Start: 64 @16093 has 837 MA's), (75, 16162), (82, 16186), (85, 16201), (86, 16204), (91, 16222), (129, 16372), (147, 16441), (186, 16654),

Gene: Alvy_19 Start: 10955, Stop: 11694, Start Num: 64
Candidate Starts for Alvy_19:
(58, 10937), (Start: 64 @10955 has 837 MA's), (100, 11111), (122, 11171), (173, 11411),

Gene: Amela_17 Start: 11141, Stop: 11850, Start Num: 64
Candidate Starts for Amela_17:
(Start: 64 @11141 has 837 MA's), (116, 11324), (136, 11408), (162, 11537), (184, 11642),

Gene: Amethyst_17 Start: 10807, Stop: 11537, Start Num: 64
Candidate Starts for Amethyst_17:
(18, 10669), (Start: 64 @10807 has 837 MA's), (116, 10993), (122, 11017), (147, 11119), (152, 11161), (184, 11311),

Gene: Anaysia_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for Anaysia_27:

(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Andris_17 Start: 10783, Stop: 11504, Start Num: 64
Candidate Starts for Andris_17:
(58, 10765), (Start: 64 @10783 has 837 MA's), (100, 10939), (132, 11035), (136, 11053), (147, 11095),

Gene: Aneem_25 Start: 16362, Stop: 17170, Start Num: 64
Candidate Starts for Aneem_25:
(Start: 64 @16362 has 837 MA's), (77, 16434), (82, 16452), (Start: 97 @16509 has 1 MA's), (115, 16587), (134, 16680), (161, 16809), (225, 17163),

Gene: Anglerfish_24 Start: 16743, Stop: 17542, Start Num: 64
Candidate Starts for Anglerfish_24:
(56, 16710), (Start: 64 @16743 has 837 MA's), (75, 16812), (82, 16836), (85, 16851), (86, 16854), (91, 16872), (129, 17022), (147, 17091), (186, 17304),

Gene: AngryOrchard_19 Start: 11268, Stop: 12043, Start Num: 64
Candidate Starts for AngryOrchard_19:
(Start: 64 @11268 has 837 MA's), (95, 11406), (Start: 97 @11412 has 1 MA's), (110, 11463), (121, 11502), (138, 11568), (140, 11574), (147, 11604), (149, 11634), (151, 11643), (163, 11694), (181, 11790), (182, 11793), (194, 11844), (195, 11850), (211, 11985),

Gene: Animus_18 Start: 11107, Stop: 11837, Start Num: 64
Candidate Starts for Animus_18:
(58, 11089), (Start: 64 @11107 has 837 MA's), (100, 11263), (147, 11419), (173, 11557),

Gene: Annyong_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for Annyong_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: Anon_25 Start: 15249, Stop: 16138, Start Num: 64
Candidate Starts for Anon_25:
(Start: 64 @15249 has 837 MA's), (74, 15312), (138, 15561), (140, 15567), (143, 15582), (147, 15597), (149, 15627), (166, 15699), (167, 15702), (168, 15705), (212, 15978), (213, 15987), (221, 16038), (226, 16047), (230, 16068),

Gene: Anselm_25 Start: 15900, Stop: 16732, Start Num: 64
Candidate Starts for Anselm_25:
(Start: 64 @15900 has 837 MA's), (80, 15984), (108, 16113), (118, 16155), (128, 16188), (140, 16248), (143, 16263), (166, 16380), (167, 16383), (173, 16419), (182, 16467), (225, 16722),

Gene: Anthony_24 Start: 13935, Stop: 14755, Start Num: 64
Candidate Starts for Anthony_24:
(Start: 64 @13935 has 837 MA's), (Start: 94 @14073 has 1 MA's), (117, 14172), (140, 14271), (148, 14313), (155, 14358), (169, 14412), (173, 14442), (176, 14460), (189, 14526), (196, 14556), (199, 14580), (213, 14688), (225, 14736),

Gene: AppleCloud_18 Start: 11002, Stop: 11777, Start Num: 64
Candidate Starts for AppleCloud_18:

(Start: 64 @11002 has 837 MA's), (110, 11197), (138, 11302), (140, 11308), (147, 11338), (149, 11368), (151, 11377), (163, 11428), (181, 11524), (182, 11527), (194, 11578), (195, 11584), (211, 11719), (213, 11734),

Gene: Applejack_23 Start: 15524, Stop: 16323, Start Num: 64
Candidate Starts for Applejack_23:
(Start: 64 @15524 has 837 MA's), (86, 15635), (115, 15743), (117, 15755), (134, 15824),

Gene: Aragog_21 Start: 14551, Stop: 15344, Start Num: 64
Candidate Starts for Aragog_21:
(Start: 64 @14551 has 837 MA's), (73, 14608), (75, 14614), (88, 14662), (Start: 94 @14686 has 1 MA's), (100, 14707), (102, 14716), (107, 14743), (114, 14764), (117, 14779), (122, 14800), (126, 14812), (143, 14884), (148, 14911), (158, 14968), (163, 14989), (165, 14998),

Gene: Arcanine_24 Start: 15759, Stop: 16558, Start Num: 64
Candidate Starts for Arcanine_24:
(Start: 64 @15759 has 837 MA's), (75, 15828), (82, 15852), (85, 15867), (86, 15870), (129, 16038),

Gene: ArcherNM_27 Start: 17602, Stop: 18431, Start Num: 64
Candidate Starts for ArcherNM_27:
(51, 17548), (Start: 64 @17602 has 837 MA's), (80, 17686), (Start: 94 @17740 has 1 MA's), (100, 17761), (107, 17809), (118, 17854), (140, 17947), (143, 17962), (182, 18166), (208, 18337), (225, 18421),

Gene: Archetta_21 Start: 14264, Stop: 15057, Start Num: 64
Candidate Starts for Archetta_21:
(Start: 64 @14264 has 837 MA's), (73, 14321), (75, 14327), (88, 14375), (Start: 94 @14399 has 1 MA's), (100, 14420), (102, 14429), (107, 14456), (114, 14477), (117, 14492), (122, 14513), (126, 14525), (143, 14597), (148, 14624), (158, 14681), (163, 14702), (165, 14711),

Gene: Arissanae_24 Start: 14704, Stop: 15551, Start Num: 62
Candidate Starts for Arissanae_24:
(36, 14614), (Start: 62 @14704 has 5 MA's), (77, 14776), (Start: 94 @14839 has 1 MA's), (109, 14917), (112, 14926), (134, 15022), (140, 15040), (143, 15055), (154, 15124), (182, 15259), (186, 15283), (219, 15475),

Gene: Arlo_22 Start: 15153, Stop: 15952, Start Num: 64
Candidate Starts for Arlo_22:
(Start: 38 @15054 has 21 MA's), (Start: 64 @15153 has 837 MA's), (91, 15282), (Start: 94 @15294 has 1 MA's), (117, 15384), (147, 15501),

Gene: Artemis2UCLA_28 Start: 15807, Stop: 16624, Start Num: 64
Candidate Starts for Artemis2UCLA_28:
(Start: 50 @15744 has 37 MA's), (Start: 64 @15807 has 837 MA's), (Start: 94 @15945 has 1 MA's), (100, 15966), (107, 16014), (116, 16047), (118, 16059), (140, 16152), (178, 16347), (182, 16371), (215, 16572), (225, 16617),

Gene: Arturo_22 Start: 15209, Stop: 16077, Start Num: 64
Candidate Starts for Arturo_22:
(Start: 64 @15209 has 837 MA's), (75, 15275), (83, 15302), (115, 15422), (138, 15515), (140, 15521), (161, 15632), (176, 15710), (181, 15737), (182, 15740), (185, 15755), (196, 15806), (215, 15941), (219, 15956),

Gene: Ashballer_22 Start: 15536, Stop: 16335, Start Num: 64
Candidate Starts for Ashballer_22:
(Start: 38 @15437 has 21 MA's), (Start: 64 @15536 has 837 MA's), (75, 15605), (82, 15629), (85, 15644), (86, 15647), (91, 15665), (129, 15815), (147, 15884),

Gene: Asten_17 Start: 10920, Stop: 11632, Start Num: 64
Candidate Starts for Asten_17:
(Start: 64 @10920 has 837 MA's), (132, 11169), (147, 11229), (162, 11316),

Gene: Astro_21 Start: 13754, Stop: 14556, Start Num: 64
Candidate Starts for Astro_21:
(Start: 64 @13754 has 837 MA's), (73, 13814), (77, 13826), (99, 13910), (100, 13913), (107, 13949), (115, 13973), (138, 14069), (170, 14222), (181, 14291), (189, 14330), (206, 14447), (225, 14549),

Gene: Atkinbua_24 Start: 15491, Stop: 16290, Start Num: 64
Candidate Starts for Atkinbua_24:
(Start: 64 @15491 has 837 MA's), (75, 15560), (82, 15584), (85, 15599), (86, 15602), (129, 15770),

Gene: Attoomi_14 Start: 8688, Stop: 9463, Start Num: 66
Candidate Starts for Attoomi_14:
(Start: 66 @8688 has 1 MA's), (69, 8715), (87, 8796), (96, 8829), (121, 8907), (130, 8937), (132, 8943), (136, 8964), (140, 8976), (162, 9096), (172, 9132), (176, 9162), (210, 9387), (217, 9420),

Gene: AugsMagnumOpus_28 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for AugsMagnumOpus_28:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: AvatarAhPeg_25 Start: 15377, Stop: 16245, Start Num: 64
Candidate Starts for AvatarAhPeg_25:
(40, 15287), (43, 15290), (Start: 64 @15377 has 837 MA's), (75, 15443), (83, 15470), (88, 15491), (Start: 94 @15515 has 1 MA's), (115, 15590), (138, 15683), (140, 15689), (161, 15800), (176, 15878), (181, 15905), (185, 15923), (215, 16109), (219, 16124),

Gene: Avle17_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Avle17_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Axiom_18 Start: 10821, Stop: 11542, Start Num: 64
Candidate Starts for Axiom_18:
(58, 10803), (Start: 64 @10821 has 837 MA's), (100, 10977), (136, 11091), (147, 11133), (186, 11343), (214, 11496),

Gene: Ayanochan_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Ayanochan_26:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: BABullseye_28 Start: 15915, Stop: 16735, Start Num: 64
Candidate Starts for BABullseye_28:

(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: BPBiebs31_24 Start: 15800, Stop: 16599, Start Num: 64
Candidate Starts for BPBiebs31_24:
(Start: 64 @15800 has 837 MA's), (75, 15869), (82, 15893), (85, 15908), (86, 15911), (91, 15929), (129, 16079),

Gene: Baby16_24 Start: 15107, Stop: 15975, Start Num: 64
Candidate Starts for Baby16_24:
(Start: 64 @15107 has 837 MA's), (75, 15173), (83, 15200), (115, 15320), (138, 15413), (140, 15419), (176, 15608), (181, 15635), (182, 15638), (185, 15653), (196, 15704), (215, 15839), (219, 15854),

Gene: BabyBack_27 Start: 17417, Stop: 18240, Start Num: 64
Candidate Starts for BabyBack_27:
(41, 17330), (Start: 64 @17417 has 837 MA's), (68, 17444), (74, 17480), (80, 17501), (85, 17522), (Start: 94 @17555 has 1 MA's), (107, 17624), (108, 17627), (118, 17669), (140, 17762), (143, 17777), (167, 17897), (173, 17933), (177, 17954), (182, 17981), (200, 18080), (225, 18230),

Gene: BabyRay_24 Start: 14943, Stop: 15739, Start Num: 61
Candidate Starts for BabyRay_24:
(Start: 22 @14829 has 2 MA's), (28, 14841), (Start: 50 @14877 has 37 MA's), (Start: 61 @14943 has 92 MA's), (83, 15036), (100, 15102), (103, 15111), (107, 15138), (118, 15183), (136, 15255), (140, 15267), (143, 15282), (153, 15342), (161, 15378), (181, 15483), (182, 15486), (185, 15501), (213, 15678),

Gene: Bachome_25 Start: 16353, Stop: 17161, Start Num: 64
Candidate Starts for Bachome_25:
(Start: 64 @16353 has 837 MA's), (77, 16425), (82, 16443), (Start: 97 @16500 has 1 MA's), (115, 16578), (121, 16608), (134, 16671), (161, 16800), (182, 16908), (225, 17154),

Gene: Backyardigan_24 Start: 15104, Stop: 15972, Start Num: 64
Candidate Starts for Backyardigan_24:
(Start: 64 @15104 has 837 MA's), (75, 15170), (83, 15197), (85, 15209), (88, 15218), (Start: 94 @15242 has 1 MA's), (115, 15317), (138, 15410), (140, 15416), (161, 15527), (176, 15605), (180, 15620), (181, 15632), (185, 15650), (196, 15701), (215, 15836), (219, 15851),

Gene: BaconJack_25 Start: 15874, Stop: 16673, Start Num: 64
Candidate Starts for BaconJack_25:
(Start: 38 @15775 has 21 MA's), (Start: 64 @15874 has 837 MA's), (75, 15943), (82, 15967), (85, 15982), (86, 15985), (91, 16003), (129, 16153),

Gene: Bactobuster_26 Start: 17547, Stop: 18355, Start Num: 64
Candidate Starts for Bactobuster_26:
(3, 17280), (8, 17331), (Start: 25 @17445 has 2 MA's), (Start: 64 @17547 has 837 MA's), (85, 17652), (140, 17886), (141, 17889), (151, 17955), (161, 17997), (190, 18147), (225, 18348),

Gene: Badger_24 Start: 15093, Stop: 15961, Start Num: 64
Candidate Starts for Badger_24:
(Start: 64 @15093 has 837 MA's), (75, 15159), (83, 15186), (85, 15198), (88, 15207), (Start: 94 @15231 has 1 MA's), (115, 15306), (138, 15399), (140, 15405), (161, 15516), (176, 15594), (180, 15609), (181, 15621), (185, 15639), (196, 15690), (215, 15825), (219, 15840),

Gene: Baehexic_26 Start: 16315, Stop: 17144, Start Num: 64
Candidate Starts for Baehexic_26:
(56, 16288), (Start: 64 @16315 has 837 MA's), (68, 16342), (80, 16399), (117, 16558), (118, 16567), (140, 16660), (143, 16675), (167, 16795), (182, 16879), (225, 17134),

Gene: BangNhom_24 Start: 15409, Stop: 16277, Start Num: 64
Candidate Starts for BangNhom_24:
(Start: 64 @15409 has 837 MA's), (75, 15475), (83, 15502), (115, 15622), (138, 15715), (140, 15721), (161, 15832), (176, 15910), (181, 15937), (182, 15940), (185, 15955), (196, 16006), (215, 16141), (219, 16156),

Gene: Barriga_23 Start: 15388, Stop: 16187, Start Num: 64
Candidate Starts for Barriga_23:
(29, 15280), (Start: 33 @15286 has 1 MA's), (Start: 64 @15388 has 837 MA's), (75, 15457), (82, 15481), (85, 15496), (86, 15499), (129, 15667),

Gene: BarrowTuph_22 Start: 15433, Stop: 16232, Start Num: 64
Candidate Starts for BarrowTuph_22:
(29, 15325), (Start: 33 @15331 has 1 MA's), (45, 15346), (Start: 64 @15433 has 837 MA's), (75, 15502), (82, 15526), (85, 15541), (86, 15544), (129, 15712),

Gene: BarryBee_19 Start: 10930, Stop: 11642, Start Num: 64
Candidate Starts for BarryBee_19:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: BartholomewSD_19 Start: 10955, Stop: 11694, Start Num: 64
Candidate Starts for BartholomewSD_19:
(58, 10937), (Start: 64 @10955 has 837 MA's), (100, 11111), (122, 11171), (173, 11411),

Gene: Bartimeaus_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Bartimeaus_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Battleship_28 Start: 15063, Stop: 15967, Start Num: 64
Candidate Starts for Battleship_28:
(57, 15033), (Start: 64 @15063 has 837 MA's), (82, 15153), (133, 15363), (138, 15381), (140, 15387), (147, 15417), (161, 15498), (163, 15507), (194, 15657), (213, 15813), (221, 15861), (226, 15870),

Gene: Bauer_18 Start: 10188, Stop: 10972, Start Num: 65
Candidate Starts for Bauer_18:
(Start: 65 @10188 has 2 MA's), (79, 10269), (117, 10389), (140, 10479), (145, 10500), (155, 10566), (161, 10590), (162, 10596), (182, 10689), (203, 10815), (205, 10842), (213, 10890), (220, 10911), (229, 10956),

Gene: BeardedLady_18 Start: 11197, Stop: 11912, Start Num: 64
Candidate Starts for BeardedLady_18:
(Start: 64 @11197 has 837 MA's), (132, 11446), (147, 11506), (162, 11593),

Gene: Beatrix_22 Start: 16312, Stop: 17105, Start Num: 64
Candidate Starts for Beatrix_22:

(Start: 11 @16138 has 1 MA's), (Start: 38 @16213 has 21 MA's), (Start: 64 @16312 has 837 MA's), (75, 16381), (86, 16423), (95, 16456), (134, 16606), (139, 16621), (140, 16624), (141, 16627), (186, 16867),

Gene: Beauxregard13_26 Start: 15120, Stop: 15979, Start Num: 50
Candidate Starts for Beauxregard13_26:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Beemo_26 Start: 16648, Stop: 17495, Start Num: 64
Candidate Starts for Beemo_26:
(Start: 64 @16648 has 837 MA's), (77, 16720), (88, 16759), (109, 16861), (112, 16870), (134, 16966), (140, 16984), (143, 16999), (150, 17047), (182, 17203), (219, 17419),

Gene: BeesKnees_24 Start: 15580, Stop: 16379, Start Num: 64
Candidate Starts for BeesKnees_24:
(56, 15547), (Start: 64 @15580 has 837 MA's), (Start: 94 @15721 has 1 MA's),

Gene: Belenaria_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Belenaria_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Bellris_24 Start: 14692, Stop: 15539, Start Num: 64
Candidate Starts for Bellris_24:
(Start: 64 @14692 has 837 MA's), (77, 14764), (Start: 94 @14827 has 1 MA's), (109, 14905), (112, 14914), (134, 15010), (140, 15028), (143, 15043), (159, 15133), (182, 15247), (186, 15271), (190, 15289), (219, 15463),

Gene: BellusTerra_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for BellusTerra_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Benedict_21 Start: 14290, Stop: 15086, Start Num: 64
Candidate Starts for Benedict_21:
(27, 14188), (Start: 50 @14227 has 37 MA's), (Start: 64 @14290 has 837 MA's), (Start: 94 @14425 has 1 MA's), (100, 14446), (107, 14482), (117, 14518), (136, 14596), (143, 14623), (147, 14638), (165, 14737), (172, 14767), (179, 14809), (182, 14827), (191, 14872), (213, 15037),

Gene: BengiVuitton_26 Start: 16220, Stop: 17052, Start Num: 64
Candidate Starts for BengiVuitton_26:
(4, 15968), (8, 16004), (Start: 50 @16157 has 37 MA's), (Start: 64 @16220 has 837 MA's), (68, 16247), (73, 16280), (80, 16304), (108, 16433), (118, 16475), (128, 16508), (140, 16568), (143, 16583), (167, 16703), (182, 16787), (225, 17042),

Gene: BennyP_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for BennyP_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486),

(199, 16576), (215, 16690), (225, 16735),

Gene: Benvolio_25 Start: 15899, Stop: 16731, Start Num: 64
Candidate Starts for Benvolio_25:
(Start: 64 @15899 has 837 MA's), (73, 15959), (80, 15983), (108, 16112), (118, 16154), (140, 16247), (143, 16262), (167, 16382), (182, 16466), (225, 16721),

Gene: Bexan_22 Start: 16537, Stop: 17336, Start Num: 64
Candidate Starts for Bexan_22:
(Start: 38 @16438 has 21 MA's), (Start: 64 @16537 has 837 MA's), (75, 16606), (82, 16630), (85, 16645), (86, 16648), (91, 16666), (129, 16816), (147, 16885), (186, 17098),

Gene: BiancaTri92_27 Start: 17586, Stop: 18418, Start Num: 64
Candidate Starts for BiancaTri92_27:
(Start: 64 @17586 has 837 MA's), (74, 17649), (80, 17670), (Start: 94 @17724 has 1 MA's), (108, 17799), (118, 17841), (121, 17850), (128, 17874), (140, 17934), (143, 17949), (167, 18069), (173, 18105), (181, 18150), (225, 18408),

Gene: Big3_23 Start: 16168, Stop: 16967, Start Num: 64
Candidate Starts for Big3_23:
(Start: 64 @16168 has 837 MA's), (75, 16237), (82, 16261), (85, 16276), (86, 16279), (129, 16447),

Gene: BigMau_25 Start: 15760, Stop: 16559, Start Num: 64
Candidate Starts for BigMau_25:
(Start: 38 @15661 has 21 MA's), (Start: 64 @15760 has 837 MA's), (91, 15889), (Start: 94 @15901 has 1 MA's), (147, 16108),

Gene: BigPaolini_24 Start: 16086, Stop: 16987, Start Num: 38
Candidate Starts for BigPaolini_24:
(Start: 38 @16086 has 21 MA's), (Start: 64 @16188 has 837 MA's), (75, 16257), (82, 16281), (85, 16296), (86, 16299), (91, 16317), (129, 16467),

Gene: BigSherm_19 Start: 10206, Stop: 10978, Start Num: 64
Candidate Starts for BigSherm_19:
(Start: 64 @10206 has 837 MA's), (78, 10281), (90, 10329), (92, 10338), (131, 10452), (135, 10470), (182, 10695), (197, 10761), (216, 10902), (229, 10962),

Gene: Bigchungi_23 Start: 15561, Stop: 16360, Start Num: 64
Candidate Starts for Bigchungi_23:
(Start: 64 @15561 has 837 MA's), (75, 15630), (82, 15654), (85, 15669), (86, 15672), (91, 15690), (129, 15840),

Gene: Bigflo_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for Bigflo_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: Bigfoot_22 Start: 15289, Stop: 16088, Start Num: 63
Candidate Starts for Bigfoot_22:
(Start: 63 @15289 has 5 MA's), (86, 15400), (Start: 94 @15430 has 1 MA's), (117, 15520),

Gene: BillKnuckles_24 Start: 16253, Stop: 17052, Start Num: 64

Candidate Starts for BillKnuckles_24:
(Start: 38 @16154 has 21 MA's), (Start: 64 @16253 has 837 MA's), (75, 16322), (82, 16346), (85, 16361), (86, 16364), (91, 16382), (129, 16532), (147, 16601), (186, 16814),

Gene: Bircsak_23 Start: 16038, Stop: 16837, Start Num: 64
Candidate Starts for Bircsak_23:
(Start: 64 @16038 has 837 MA's), (86, 16149), (115, 16257), (117, 16269), (134, 16338),

Gene: BlackSpider_16 Start: 9196, Stop: 9983, Start Num: 64
Candidate Starts for BlackSpider_16:
(12, 9019), (14, 9028), (21, 9058), (Start: 64 @9196 has 837 MA's), (136, 9478), (140, 9490), (158, 9589), (162, 9607), (170, 9637), (213, 9901), (228, 9964), (229, 9967),

Gene: Blackmoor_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Blackmoor_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: BlessJoy_28 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for BlessJoy_28:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469), (215, 16670), (225, 16715),

Gene: Blesser_23 Start: 15848, Stop: 16647, Start Num: 64
Candidate Starts for Blesser_23:
(Start: 64 @15848 has 837 MA's), (86, 15959), (Start: 94 @15989 has 1 MA's), (117, 16079),

Gene: Blinn1_28 Start: 15964, Stop: 16784, Start Num: 64
Candidate Starts for Blinn1_28:
(24, 15859), (Start: 39 @15874 has 3 MA's), (Start: 50 @15901 has 37 MA's), (Start: 64 @15964 has 837 MA's), (Start: 94 @16102 has 1 MA's), (100, 16123), (116, 16204), (118, 16216), (140, 16309), (143, 16324), (148, 16351), (178, 16504), (182, 16528), (199, 16618), (215, 16732), (225, 16777),

Gene: BluSpix_23 Start: 15549, Stop: 16348, Start Num: 64
Candidate Starts for BluSpix_23:
(Start: 64 @15549 has 837 MA's), (75, 15618), (82, 15642), (85, 15657), (86, 15660), (91, 15678), (129, 15828), (143, 15882),

Gene: Blue_23 Start: 15654, Stop: 16456, Start Num: 64
Candidate Starts for Blue_23:
(Start: 38 @15552 has 21 MA's), (Start: 64 @15654 has 837 MA's), (85, 15762), (99, 15813), (102, 15825), (106, 15858), (118, 15903), (140, 15981), (143, 15996), (147, 16011), (149, 16041),

Gene: Blue7_28 Start: 15897, Stop: 16714, Start Num: 64
Candidate Starts for Blue7_28:
(Start: 50 @15834 has 37 MA's), (Start: 64 @15897 has 837 MA's), (Start: 94 @16035 has 1 MA's), (100, 16056), (107, 16104), (116, 16137), (118, 16149), (140, 16242), (178, 16437), (182, 16461), (215, 16662), (225, 16707),

Gene: BlueBird_25 Start: 14698, Stop: 15494, Start Num: 61
Candidate Starts for BlueBird_25:

(Start: 22 @14584 has 2 MA's), (Start: 50 @14632 has 37 MA's), (Start: 61 @14698 has 92 MA's), (83, 14791), (100, 14857), (103, 14866), (107, 14893), (118, 14938), (136, 15010), (140, 15022), (143, 15037), (149, 15082), (153, 15097), (160, 15130), (181, 15238), (182, 15241), (185, 15256), (186, 15265), (213, 15433),

Gene: Bluefalcon_20 Start: 14521, Stop: 15314, Start Num: 64
Candidate Starts for Bluefalcon_20:
(Start: 64 @14521 has 837 MA's), (73, 14578), (75, 14584), (88, 14632), (Start: 94 @14656 has 1 MA's), (100, 14677), (102, 14686), (107, 14713), (114, 14734), (117, 14749), (122, 14770), (126, 14782), (143, 14854), (148, 14881), (158, 14938), (163, 14959), (165, 14968),

Gene: Bob3_21 Start: 15100, Stop: 15899, Start Num: 64
Candidate Starts for Bob3_21:
(Start: 38 @15001 has 21 MA's), (Start: 64 @15100 has 837 MA's), (91, 15229), (Start: 94 @15241 has 1 MA's), (117, 15331), (147, 15448),

Gene: BobSwaget_28 Start: 17430, Stop: 18259, Start Num: 64
Candidate Starts for BobSwaget_28:
(Start: 64 @17430 has 837 MA's), (74, 17493), (80, 17514), (Start: 94 @17568 has 1 MA's), (107, 17637), (118, 17682), (128, 17715), (140, 17775), (143, 17790), (181, 17991), (182, 17994), (225, 18249),

Gene: BobbyDazzler_20 Start: 11394, Stop: 12169, Start Num: 64
Candidate Starts for BobbyDazzler_20:
(Start: 64 @11394 has 837 MA's), (95, 11532), (Start: 97 @11538 has 1 MA's), (110, 11589), (121, 11628), (138, 11694), (140, 11700), (147, 11730), (149, 11760), (151, 11769), (163, 11820), (181, 11916), (194, 11970), (195, 11976), (211, 12111),

Gene: BogosyJay_26 Start: 16363, Stop: 17210, Start Num: 64
Candidate Starts for BogosyJay_26:
(Start: 64 @16363 has 837 MA's), (75, 16429), (77, 16435), (88, 16474), (109, 16576), (112, 16585), (134, 16681), (140, 16699), (143, 16714), (154, 16783), (182, 16918), (185, 16933), (199, 17008), (219, 17134),

Gene: Bombshell_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Bombshell_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Bonamassa_21 Start: 14446, Stop: 15239, Start Num: 64
Candidate Starts for Bonamassa_21:
(Start: 64 @14446 has 837 MA's), (73, 14503), (88, 14557), (Start: 94 @14581 has 1 MA's), (100, 14602), (102, 14611), (107, 14638), (114, 14659), (117, 14674), (122, 14695), (126, 14707), (134, 14746), (143, 14779), (148, 14806), (158, 14863), (163, 14884), (165, 14893),

Gene: Bonanza_19 Start: 11323, Stop: 12098, Start Num: 64
Candidate Starts for Bonanza_19:
(Start: 64 @11323 has 837 MA's), (95, 11461), (Start: 97 @11467 has 1 MA's), (110, 11518), (121, 11557), (138, 11623), (140, 11629), (147, 11659), (149, 11689), (151, 11698), (163, 11749), (165, 11758), (181, 11845), (194, 11899), (195, 11905), (211, 12040),

Gene: Bones_23 Start: 15292, Stop: 16085, Start Num: 64

Candidate Starts for Bones_23:
(Start: 38 @15190 has 21 MA's), (Start: 64 @15292 has 837 MA's), (75, 15361), (86, 15403), (95, 15436), (134, 15586), (139, 15601), (140, 15604), (141, 15607),

Gene: Boohoo_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for Boohoo_27:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Bovely_17 Start: 10956, Stop: 11671, Start Num: 64
Candidate Starts for Bovely_17:
(Start: 64 @10956 has 837 MA's), (132, 11205), (147, 11265), (162, 11352),

Gene: Bowden_18 Start: 10887, Stop: 11626, Start Num: 64
Candidate Starts for Bowden_18:
(58, 10869), (Start: 64 @10887 has 837 MA's), (100, 11043), (122, 11103), (173, 11343),

Gene: Bowtie_25 Start: 16362, Stop: 17170, Start Num: 64
Candidate Starts for Bowtie_25:
(Start: 64 @16362 has 837 MA's), (77, 16434), (82, 16452), (Start: 97 @16509 has 1 MA's), (115, 16587), (134, 16680), (161, 16809), (225, 17163),

Gene: Bradshaw_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Bradshaw_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Brataylor_18 Start: 10942, Stop: 11654, Start Num: 64
Candidate Starts for Brataylor_18:
(Start: 64 @10942 has 837 MA's), (100, 11095), (132, 11191), (162, 11338), (164, 11344),

Gene: BreSam8_26 Start: 15176, Stop: 15972, Start Num: 61
Candidate Starts for BreSam8_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Briton15_25 Start: 15837, Stop: 16636, Start Num: 64
Candidate Starts for Briton15_25:
(56, 15804), (Start: 64 @15837 has 837 MA's), (Start: 94 @15978 has 1 MA's), (117, 16068),

Gene: BroPlease_17 Start: 11131, Stop: 11855, Start Num: 64
Candidate Starts for BroPlease_17:
(Start: 33 @11029 has 1 MA's), (Start: 64 @11131 has 837 MA's), (122, 11344), (132, 11386), (136, 11404), (161, 11527),

Gene: Broseidon_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Broseidon_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Bruiser_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Bruiser_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Bruns_22 Start: 15472, Stop: 16271, Start Num: 64
Candidate Starts for Bruns_22:
(Start: 38 @15373 has 21 MA's), (Start: 64 @15472 has 837 MA's), (75, 15541), (82, 15565), (85, 15580), (86, 15583), (91, 15601), (129, 15751), (186, 16033),

Gene: BryanRecycles_18 Start: 11113, Stop: 11828, Start Num: 64
Candidate Starts for BryanRecycles_18:
(Start: 64 @11113 has 837 MA's), (147, 11422), (162, 11509), (186, 11632),

Gene: Bryce_20 Start: 11323, Stop: 12098, Start Num: 64
Candidate Starts for Bryce_20:
(Start: 64 @11323 has 837 MA's), (95, 11461), (Start: 97 @11467 has 1 MA's), (110, 11518), (121, 11557), (138, 11623), (140, 11629), (147, 11659), (149, 11689), (151, 11698), (163, 11749), (181, 11845), (194, 11899), (195, 11905), (211, 12040),

Gene: BubbleTrouble_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for BubbleTrouble_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Bud_25 Start: 16368, Stop: 17176, Start Num: 64
Candidate Starts for Bud_25:
(Start: 64 @16368 has 837 MA's), (77, 16440), (82, 16458), (Start: 97 @16515 has 1 MA's), (115, 16593), (134, 16686), (161, 16815), (225, 17169),

Gene: Bugatti_25 Start: 14698, Stop: 15494, Start Num: 61
Candidate Starts for Bugatti_25:
(Start: 22 @14584 has 2 MA's), (Start: 50 @14632 has 37 MA's), (Start: 61 @14698 has 92 MA's), (83, 14791), (100, 14857), (103, 14866), (107, 14893), (118, 14938), (136, 15010), (140, 15022), (143, 15037), (149, 15082), (153, 15097), (160, 15130), (181, 15238), (182, 15241), (185, 15256), (186, 15265), (213, 15433),

Gene: Bugsy_27 Start: 16297, Stop: 17129, Start Num: 64
Candidate Starts for Bugsy_27:
(Start: 64 @16297 has 837 MA's), (68, 16324), (74, 16360), (80, 16381), (108, 16510), (118, 16552), (128, 16585), (140, 16645), (143, 16660), (167, 16780), (182, 16864), (225, 17119),

Gene: Bumblebee11_24 Start: 15098, Stop: 15978, Start Num: 64
Candidate Starts for Bumblebee11_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (88, 15212), (Start: 94 @15236 has 1 MA's), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (199, 15719), (215, 15830), (219, 15845),

Gene: Burger_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Burger_23:

(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Burton_24 Start: 15670, Stop: 16469, Start Num: 64
Candidate Starts for Burton_24:
(Start: 38 @15571 has 21 MA's), (Start: 64 @15670 has 837 MA's), (75, 15739), (82, 15763), (85, 15778), (86, 15781), (91, 15799), (129, 15949),

Gene: Buttons_24 Start: 16034, Stop: 16833, Start Num: 64
Candidate Starts for Buttons_24:
(Start: 38 @15935 has 21 MA's), (Start: 64 @16034 has 837 MA's), (75, 16103), (82, 16127), (85, 16142), (86, 16145), (129, 16313),

Gene: BuzzBuzz_25 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for BuzzBuzz_25:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: Bxb1_20 Start: 15621, Stop: 16420, Start Num: 64
Candidate Starts for Bxb1_20:
(Start: 38 @15522 has 21 MA's), (Start: 64 @15621 has 837 MA's), (75, 15690), (82, 15714), (85, 15729), (86, 15732), (91, 15750), (129, 15900), (147, 15969), (186, 16182),

Gene: CRB1_25 Start: 15786, Stop: 16615, Start Num: 64
Candidate Starts for CRB1_25:
(Start: 39 @15696 has 3 MA's), (Start: 50 @15723 has 37 MA's), (Start: 64 @15786 has 837 MA's), (68, 15813), (74, 15849), (108, 15999), (118, 16041), (129, 16077), (132, 16086), (140, 16134), (143, 16149), (167, 16269), (182, 16353), (225, 16605),

Gene: CactusRose_22 Start: 15287, Stop: 16080, Start Num: 64
Candidate Starts for CactusRose_22:
(Start: 38 @15188 has 21 MA's), (Start: 64 @15287 has 837 MA's), (75, 15356), (86, 15398), (95, 15431), (134, 15581), (139, 15596), (140, 15599), (141, 15602),

Gene: Caelakin_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Caelakin_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Caelum_17 Start: 10754, Stop: 11481, Start Num: 64
Candidate Starts for Caelum_17:
(31, 10649), (58, 10736), (Start: 64 @10754 has 837 MA's), (81, 10838), (100, 10910), (116, 10940), (147, 11066), (172, 11192), (173, 11204),

Gene: Caitlin_21 Start: 13751, Stop: 14553, Start Num: 64
Candidate Starts for Caitlin_21:
(Start: 64 @13751 has 837 MA's), (73, 13811), (77, 13823), (99, 13907), (100, 13910), (107, 13946), (115, 13970), (138, 14066), (170, 14219), (181, 14288), (189, 14327), (206, 14444), (225, 14546),

Gene: Caliburn_17 Start: 10930, Stop: 11645, Start Num: 64

Candidate Starts for Caliburn_17:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: Calvinny_26 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Calvinny_26:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Camperdownii_23 Start: 14717, Stop: 15585, Start Num: 64
Candidate Starts for Camperdownii_23:
(Start: 64 @14717 has 837 MA's), (75, 14783), (83, 14810), (115, 14930), (138, 15023), (140, 15029), (161, 15140), (172, 15188), (176, 15218), (181, 15245), (182, 15248), (185, 15263), (196, 15314), (215, 15449), (219, 15464),

Gene: Candra_28 Start: 15958, Stop: 16778, Start Num: 64
Candidate Starts for Candra_28:
(24, 15853), (Start: 39 @15868 has 3 MA's), (Start: 50 @15895 has 37 MA's), (Start: 64 @15958 has 837 MA's), (Start: 94 @16096 has 1 MA's), (100, 16117), (116, 16198), (118, 16210), (140, 16303), (143, 16318), (178, 16498), (182, 16522), (199, 16612), (215, 16726), (225, 16771),

Gene: Caraxes_24 Start: 14448, Stop: 15277, Start Num: 64
Candidate Starts for Caraxes_24:
(Start: 64 @14448 has 837 MA's), (80, 14532), (Start: 94 @14586 has 1 MA's), (Start: 97 @14595 has 1 MA's), (108, 14658), (155, 14880), (167, 14928), (181, 15009), (186, 15036), (190, 15054), (227, 15270),

Gene: Carlyle_25 Start: 16416, Stop: 17221, Start Num: 64
Candidate Starts for Carlyle_25:
(Start: 38 @16317 has 21 MA's), (Start: 64 @16416 has 837 MA's), (85, 16524), (99, 16575), (102, 16587), (106, 16620), (118, 16665), (127, 16698), (140, 16743), (143, 16758), (147, 16773), (149, 16803),

Gene: Cassini_16 Start: 9164, Stop: 9951, Start Num: 64
Candidate Starts for Cassini_16:
(12, 8987), (14, 8996), (21, 9026), (Start: 64 @9164 has 837 MA's), (136, 9446), (140, 9458), (158, 9557), (162, 9575), (170, 9605), (213, 9869), (228, 9932), (229, 9935),

Gene: Catalina_26 Start: 16615, Stop: 17462, Start Num: 64
Candidate Starts for Catalina_26:
(Start: 64 @16615 has 837 MA's), (77, 16687), (88, 16726), (109, 16828), (112, 16837), (134, 16933), (140, 16951), (143, 16966), (150, 17014), (182, 17170), (219, 17386),

Gene: Caviar_25 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Caviar_25:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Celeste_17 Start: 10934, Stop: 11646, Start Num: 64
Candidate Starts for Celeste_17:
(Start: 64 @10934 has 837 MA's), (100, 11087), (132, 11183), (162, 11330), (164, 11336), (186, 11453),

Gene: Celestialunch_24 Start: 14737, Stop: 15563, Start Num: 64
Candidate Starts for Celestialunch_24:
(Start: 64 @14737 has 837 MA's), (77, 14809), (83, 14827), (86, 14842), (Start: 94 @14872 has 1 MA's), (109, 14950), (112, 14959), (118, 14989), (134, 15055), (140, 15073), (143, 15088), (154, 15157), (225, 15544),

Gene: Celia_17 Start: 11291, Stop: 12003, Start Num: 64
Candidate Starts for Celia_17:
(Start: 64 @11291 has 837 MA's), (116, 11477), (132, 11543), (136, 11561), (147, 11603), (161, 11684),

Gene: Centaur_27 Start: 16293, Stop: 17122, Start Num: 64
Candidate Starts for Centaur_27:
(56, 16266), (Start: 64 @16293 has 837 MA's), (68, 16320), (80, 16377), (117, 16536), (118, 16545), (140, 16638), (143, 16653), (167, 16773), (182, 16857), (225, 17112),

Gene: CentreCat_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for CentreCat_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: Cerulean_25 Start: 15410, Stop: 16278, Start Num: 64
Candidate Starts for Cerulean_25:
(Start: 64 @15410 has 837 MA's), (75, 15476), (83, 15503), (115, 15623), (138, 15716), (140, 15722), (161, 15833), (176, 15911), (181, 15938), (182, 15941), (185, 15956), (196, 16007), (215, 16142), (219, 16157),

Gene: Chadwick_21 Start: 14258, Stop: 15054, Start Num: 64
Candidate Starts for Chadwick_21:
(27, 14156), (Start: 50 @14195 has 37 MA's), (Start: 64 @14258 has 837 MA's), (Start: 94 @14393 has 1 MA's), (100, 14414), (107, 14450), (117, 14486), (136, 14564), (143, 14591), (147, 14606), (165, 14705), (172, 14735), (179, 14777), (182, 14795), (191, 14840), (213, 15005),

Gene: ChampagnePapi_25 Start: 15409, Stop: 16277, Start Num: 64
Candidate Starts for ChampagnePapi_25:
(Start: 64 @15409 has 837 MA's), (75, 15475), (83, 15502), (115, 15622), (138, 15715), (140, 15721), (161, 15832), (176, 15910), (181, 15937), (182, 15940), (185, 15955), (196, 16006), (215, 16141), (219, 16156),

Gene: Chanagan_22 Start: 15126, Stop: 15925, Start Num: 64
Candidate Starts for Chanagan_22:
(Start: 38 @15027 has 21 MA's), (Start: 64 @15126 has 837 MA's), (91, 15255), (Start: 94 @15267 has 1 MA's), (117, 15357), (147, 15474),

Gene: Changeling_27 Start: 17653, Stop: 18482, Start Num: 64
Candidate Starts for Changeling_27:
(Start: 50 @17590 has 37 MA's), (Start: 64 @17653 has 837 MA's), (80, 17737), (Start: 94 @17791 has 1 MA's), (100, 17812), (117, 17896), (118, 17905), (140, 17998), (143, 18013), (182, 18217), (225, 18472),

Gene: Chaph_24 Start: 15107, Stop: 15975, Start Num: 64
Candidate Starts for Chaph_24:

(Start: 64 @15107 has 837 MA's), (75, 15173), (83, 15200), (115, 15320), (138, 15413), (140, 15419), (161, 15530), (176, 15608), (181, 15635), (182, 15638), (185, 15653), (196, 15704), (215, 15839), (219, 15854),

Gene: Chargerpower_25 Start: 15030, Stop: 15844, Start Num: 64
Candidate Starts for Chargerpower_25:
(Start: 64 @15030 has 837 MA's), (85, 15135), (Start: 94 @15168 has 1 MA's), (111, 15246), (138, 15369), (140, 15375), (151, 15444), (161, 15486), (182, 15594), (186, 15618), (200, 15693), (208, 15759), (225, 15837),

Gene: Charm_25 Start: 14746, Stop: 15572, Start Num: 64
Candidate Starts for Charm_25:
(Start: 64 @14746 has 837 MA's), (77, 14818), (Start: 94 @14881 has 1 MA's), (109, 14959), (112, 14968), (134, 15064), (140, 15082), (143, 15097), (149, 15142), (186, 15325), (225, 15553),

Gene: Chartreuse_28 Start: 15869, Stop: 16689, Start Num: 64
Candidate Starts for Chartreuse_28:
(Start: 50 @15806 has 37 MA's), (Start: 64 @15869 has 837 MA's), (Start: 94 @16007 has 1 MA's), (100, 16028), (116, 16109), (118, 16121), (140, 16214), (143, 16229), (148, 16256), (178, 16409), (182, 16433), (199, 16523), (215, 16637), (225, 16682),

Gene: ChipMunk_27 Start: 16201, Stop: 17033, Start Num: 64
Candidate Starts for ChipMunk_27:
(Start: 64 @16201 has 837 MA's), (80, 16285), (108, 16414), (118, 16456), (128, 16489), (140, 16549), (143, 16564), (167, 16684), (182, 16768), (225, 17023),

Gene: Chucky_17 Start: 10931, Stop: 11643, Start Num: 64
Candidate Starts for Chucky_17:
(Start: 64 @10931 has 837 MA's), (132, 11180), (147, 11240), (162, 11327),

Gene: Chupacabra_24 Start: 14909, Stop: 15777, Start Num: 64
Candidate Starts for Chupacabra_24:
(Start: 64 @14909 has 837 MA's), (73, 14969), (75, 14975), (82, 14999), (Start: 94 @15047 has 1 MA's), (115, 15119), (117, 15131), (138, 15212), (161, 15329), (181, 15434), (182, 15437), (212, 15632),

Gene: Ciao_23 Start: 15500, Stop: 16299, Start Num: 64
Candidate Starts for Ciao_23:
(Start: 64 @15500 has 837 MA's), (75, 15569), (82, 15593), (85, 15608), (86, 15611), (91, 15629), (129, 15779),

Gene: Cici_24 Start: 15089, Stop: 15969, Start Num: 64
Candidate Starts for Cici_24:
(Start: 64 @15089 has 837 MA's), (75, 15155), (83, 15182), (88, 15203), (Start: 94 @15227 has 1 MA's), (115, 15302), (138, 15395), (140, 15401), (161, 15512), (176, 15590), (181, 15617), (182, 15620), (185, 15635), (199, 15710), (215, 15821), (219, 15836),

Gene: Cindaradix_23 Start: 14823, Stop: 15691, Start Num: 64
Candidate Starts for Cindaradix_23:
(Start: 50 @14754 has 37 MA's), (Start: 64 @14823 has 837 MA's), (75, 14889), (83, 14916), (88, 14937), (Start: 94 @14961 has 1 MA's), (115, 15036), (138, 15129), (140, 15135), (161, 15246), (176, 15324), (181, 15351), (185, 15369), (196, 15420), (215, 15555), (219, 15570),

Gene: Cintron_24 Start: 15146, Stop: 16014, Start Num: 64
Candidate Starts for Cintron_24:
(56, 15116), (Start: 64 @15146 has 837 MA's), (75, 15212), (83, 15239), (115, 15359), (138, 15452), (140, 15458), (161, 15569), (176, 15647), (181, 15674), (182, 15677), (185, 15692), (196, 15743), (215, 15878), (219, 15893),

Gene: Citius_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Citius_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Clammy_25 Start: 14698, Stop: 15494, Start Num: 61
Candidate Starts for Clammy_25:
(Start: 22 @14584 has 2 MA's), (Start: 50 @14632 has 37 MA's), (Start: 61 @14698 has 92 MA's), (83, 14791), (100, 14857), (103, 14866), (107, 14893), (118, 14938), (136, 15010), (140, 15022), (143, 15037), (149, 15082), (153, 15097), (160, 15130), (181, 15238), (182, 15241), (185, 15256), (186, 15265), (213, 15433),

Gene: Clarenza_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Clarenza_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: CloudWang3_28 Start: 15844, Stop: 16724, Start Num: 50
Candidate Starts for CloudWang3_28:
(Start: 50 @15844 has 37 MA's), (Start: 64 @15907 has 837 MA's), (Start: 94 @16045 has 1 MA's), (100, 16066), (107, 16114), (116, 16147), (118, 16159), (140, 16252), (178, 16447), (182, 16471), (215, 16672), (225, 16717),

Gene: ClownCar_26 Start: 15253, Stop: 16049, Start Num: 61
Candidate Starts for ClownCar_26:
(Start: 61 @15253 has 92 MA's), (77, 15325), (83, 15346), (85, 15358), (112, 15478), (115, 15487), (118, 15508), (128, 15550), (134, 15574), (136, 15580), (143, 15607), (149, 15652), (182, 15811), (218, 16015),

Gene: Cocoaberry_24 Start: 15102, Stop: 15970, Start Num: 64
Candidate Starts for Cocoaberry_24:
(Start: 64 @15102 has 837 MA's), (75, 15168), (83, 15195), (115, 15315), (138, 15408), (140, 15414), (161, 15525), (176, 15603), (181, 15630), (182, 15633), (185, 15648), (196, 15699), (215, 15834), (219, 15849),

Gene: Colbster_26 Start: 15183, Stop: 15979, Start Num: 61
Candidate Starts for Colbster_26:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Cole_17 Start: 9866, Stop: 10638, Start Num: 64
Candidate Starts for Cole_17:
(Start: 30 @9752 has 1 MA's), (Start: 64 @9866 has 837 MA's), (78, 9941), (79, 9947), (90, 9989), (131, 10112), (175, 10313), (182, 10355), (199, 10439), (216, 10562), (229, 10622),

Gene: Colin_28 Start: 17492, Stop: 18321, Start Num: 64
Candidate Starts for Colin_28:
(24, 17387), (Start: 39 @17402 has 3 MA's), (Start: 50 @17429 has 37 MA's), (Start: 64 @17492 has 837 MA's), (74, 17555), (Start: 94 @17630 has 1 MA's), (108, 17702), (118, 17744), (140, 17837), (143, 17852), (181, 18053), (225, 18311),

Gene: Commander_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Commander_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Conan_18 Start: 10571, Stop: 11280, Start Num: 64
Candidate Starts for Conan_18:
(32, 10466), (36, 10472), (Start: 64 @10571 has 837 MA's), (116, 10754), (136, 10838), (162, 10967), (182, 11066), (184, 11072), (202, 11171),

Gene: ConceptII_24 Start: 16008, Stop: 16807, Start Num: 64
Candidate Starts for ConceptII_24:
(Start: 38 @15909 has 21 MA's), (Start: 64 @16008 has 837 MA's), (91, 16137), (Start: 94 @16149 has 1 MA's), (117, 16239), (147, 16356), (186, 16569),

Gene: Connomayer_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Connomayer_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Conquerage_26 Start: 16644, Stop: 17491, Start Num: 64
Candidate Starts for Conquerage_26:
(Start: 64 @16644 has 837 MA's), (77, 16716), (88, 16755), (109, 16857), (112, 16866), (134, 16962), (140, 16980), (143, 16995), (150, 17043), (182, 17199), (219, 17415),

Gene: Conspiracy_21 Start: 14271, Stop: 15064, Start Num: 64
Candidate Starts for Conspiracy_21:
(Start: 64 @14271 has 837 MA's), (73, 14328), (75, 14334), (88, 14382), (Start: 94 @14406 has 1 MA's), (100, 14427), (102, 14436), (107, 14463), (114, 14484), (117, 14499), (122, 14520), (126, 14532), (143, 14604), (148, 14631), (158, 14688), (163, 14709), (165, 14718),

Gene: Coog_21 Start: 14325, Stop: 15208, Start Num: 39
Candidate Starts for Coog_21:
(Start: 39 @14325 has 3 MA's), (Start: 64 @14415 has 837 MA's), (73, 14472), (88, 14526), (Start: 94 @14550 has 1 MA's), (100, 14571), (102, 14580), (107, 14607), (114, 14628), (117, 14643), (122, 14664), (126, 14676), (134, 14715), (143, 14748), (148, 14775), (158, 14832), (163, 14853), (165, 14862),

Gene: Cookiedough_28 Start: 15915, Stop: 16735, Start Num: 64
Candidate Starts for Cookiedough_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (114, 16143), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: Corvo_23 Start: 15992, Stop: 16791, Start Num: 64

Candidate Starts for Corvo_23:
(Start: 64 @15992 has 837 MA's), (75, 16061), (82, 16085), (85, 16100), (86, 16103), (129, 16271),

Gene: CosmicSans_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for CosmicSans_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Crispicous1_22 Start: 14997, Stop: 15796, Start Num: 64
Candidate Starts for Crispicous1_22:
(Start: 38 @14898 has 21 MA's), (Start: 64 @14997 has 837 MA's), (91, 15126), (Start: 94 @15138 has 1 MA's), (117, 15228), (147, 15345), (186, 15558),

Gene: Crucio_25 Start: 15725, Stop: 16557, Start Num: 64
Candidate Starts for Crucio_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (121, 15989), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: Cuco_21 Start: 14445, Stop: 15238, Start Num: 64
Candidate Starts for Cuco_21:
(Start: 64 @14445 has 837 MA's), (73, 14502), (88, 14556), (Start: 94 @14580 has 1 MA's), (100, 14601), (102, 14610), (107, 14637), (114, 14658), (117, 14673), (122, 14694), (126, 14706), (134, 14745), (143, 14778), (148, 14805), (158, 14862), (163, 14883), (165, 14892),

Gene: Cueylyss_23 Start: 15699, Stop: 16498, Start Num: 64
Candidate Starts for Cueylyss_23:
(Start: 64 @15699 has 837 MA's), (91, 15828), (Start: 94 @15840 has 1 MA's), (117, 15930), (147, 16047), (186, 16260),

Gene: Cullens_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for Cullens_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: D29_25 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for D29_25:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (167, 16175), (182, 16259), (186, 16283), (206, 16415), (225, 16508),

Gene: D32_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for D32_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (167, 16175), (182, 16259), (186, 16283), (206, 16415), (225, 16508),

Gene: DBQu4n_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for DBQu4n_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (166, 16172), (167, 16175), (186, 16283), (206, 16415), (225, 16508),

Gene: DD5_24 Start: 16148, Stop: 17046, Start Num: 38
Candidate Starts for DD5_24:

(Start: 38 @16148 has 21 MA's), (Start: 64 @16247 has 837 MA's), (91, 16376), (Start: 94 @16388 has 1 MA's), (117, 16478), (147, 16595),

Gene: DaHudson_26 Start: 15112, Stop: 15971, Start Num: 50
Candidate Starts for DaHudson_26:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: Daishi_25 Start: 14108, Stop: 14904, Start Num: 61
Candidate Starts for Daishi_25:
(Start: 50 @14045 has 37 MA's), (Start: 61 @14108 has 92 MA's), (83, 14201), (85, 14213), (Start: 94 @14246 has 1 MA's), (98, 14258), (112, 14333), (115, 14342), (118, 14363), (128, 14405), (136, 14435), (143, 14462), (149, 14507), (218, 14870),

Gene: Dalmatian_25 Start: 15866, Stop: 16698, Start Num: 64
Candidate Starts for Dalmatian_25:
(15, 15722), (Start: 64 @15866 has 837 MA's), (68, 15893), (74, 15929), (118, 16121), (128, 16154), (140, 16214), (143, 16229), (186, 16457), (225, 16688),

Gene: Danforth_20 Start: 13733, Stop: 14535, Start Num: 64
Candidate Starts for Danforth_20:
(Start: 64 @13733 has 837 MA's), (73, 13793), (77, 13805), (99, 13889), (100, 13892), (107, 13928), (115, 13952), (138, 14048), (170, 14201), (181, 14270), (189, 14309), (206, 14426), (225, 14528),

Gene: Danzina_18 Start: 11144, Stop: 11856, Start Num: 64
Candidate Starts for Danzina_18:
(Start: 64 @11144 has 837 MA's), (100, 11297), (132, 11393), (162, 11540), (164, 11546), (186, 11663),

Gene: Darrell_27 Start: 16806, Stop: 17653, Start Num: 64
Candidate Starts for Darrell_27:
(Start: 64 @16806 has 837 MA's), (67, 16815), (77, 16878), (83, 16896), (85, 16908), (88, 16917), (109, 17019), (112, 17028), (118, 17058), (131, 17109), (134, 17124), (140, 17142), (143, 17157), (154, 17226), (182, 17361), (186, 17385), (219, 17577),

Gene: DarthPhader_26 Start: 16774, Stop: 17597, Start Num: 64
Candidate Starts for DarthPhader_26:
(Start: 64 @16774 has 837 MA's), (77, 16846), (83, 16864), (85, 16876), (88, 16885), (Start: 94 @16909 has 1 MA's), (112, 16996), (134, 17092), (138, 17104), (140, 17110), (143, 17125), (149, 17170), (182, 17329), (219, 17545), (222, 17575),

Gene: Dattran_18 Start: 10933, Stop: 11645, Start Num: 64
Candidate Starts for Dattran_18:
(Start: 64 @10933 has 837 MA's), (100, 11086), (132, 11182), (162, 11329), (164, 11335), (186, 11452),

Gene: Datway_24 Start: 15104, Stop: 15972, Start Num: 64
Candidate Starts for Datway_24:
(Start: 64 @15104 has 837 MA's), (75, 15170), (83, 15197), (85, 15209), (88, 15218), (Start: 94 @15242 has 1 MA's), (115, 15317), (138, 15410), (140, 15416), (161, 15527), (176, 15605), (180, 15620), (181, 15632), (185, 15650), (196, 15701), (215, 15836), (219, 15851),

Gene: Daudau_17 Start: 10861, Stop: 11600, Start Num: 64
Candidate Starts for Daudau_17:
(35, 10762), (47, 10777), (58, 10843), (Start: 64 @10861 has 837 MA's), (77, 10930), (100, 11017), (122, 11077), (147, 11179), (186, 11389),

Gene: Deano_24 Start: 15106, Stop: 15974, Start Num: 64
Candidate Starts for Deano_24:
(Start: 64 @15106 has 837 MA's), (75, 15172), (83, 15199), (115, 15319), (138, 15412), (140, 15418), (161, 15529), (176, 15607), (181, 15634), (182, 15637), (185, 15652), (196, 15703), (215, 15838), (219, 15853),

Gene: DeerParkTS_26 Start: 15868, Stop: 16697, Start Num: 64
Candidate Starts for DeerParkTS_26:
(Start: 64 @15868 has 837 MA's), (Start: 94 @16006 has 1 MA's), (108, 16078), (118, 16120), (143, 16228), (167, 16348), (178, 16408), (225, 16687),

Gene: DekHockey33_27 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for DekHockey33_27:
(57, 15040), (Start: 64 @15070 has 837 MA's), (82, 15160), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: Deloris_26 Start: 16220, Stop: 17052, Start Num: 64
Candidate Starts for Deloris_26:
(4, 15968), (8, 16004), (Start: 50 @16157 has 37 MA's), (Start: 64 @16220 has 837 MA's), (68, 16247), (73, 16280), (80, 16304), (108, 16433), (118, 16475), (128, 16508), (140, 16568), (143, 16583), (167, 16703), (182, 16787), (225, 17042),

Gene: Dexers_16 Start: 10555, Stop: 11261, Start Num: 64
Candidate Starts for Dexers_16:
(Start: 64 @10555 has 837 MA's), (116, 10738), (136, 10822), (162, 10951), (184, 11056),

Gene: Dexes_24 Start: 16216, Stop: 17015, Start Num: 64
Candidate Starts for Dexes_24:
(Start: 38 @16114 has 21 MA's), (Start: 64 @16216 has 837 MA's), (75, 16285), (82, 16309), (85, 16324), (86, 16327), (91, 16345), (129, 16495), (147, 16564), (186, 16777),

Gene: Dhanush_23 Start: 15101, Stop: 15969, Start Num: 64
Candidate Starts for Dhanush_23:
(Start: 64 @15101 has 837 MA's), (75, 15167), (83, 15194), (115, 15314), (138, 15407), (140, 15413), (161, 15524), (176, 15602), (181, 15629), (185, 15647), (196, 15698), (215, 15833), (219, 15848),

Gene: Diane_17 Start: 10806, Stop: 11530, Start Num: 64
Candidate Starts for Diane_17:
(18, 10668), (Start: 22 @10686 has 2 MA's), (58, 10788), (Start: 64 @10806 has 837 MA's), (116, 10989), (147, 11115), (184, 11307),

Gene: Dieselweasel_26 Start: 15184, Stop: 15980, Start Num: 61
Candidate Starts for Dieselweasel_26:
(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136, 15511), (143, 15538), (149, 15583), (218, 15946),

Gene: Dignity_27 Start: 16242, Stop: 17074, Start Num: 64

Candidate Starts for Dignity_27:
(Start: 64 @16242 has 837 MA's), (68, 16269), (74, 16305), (80, 16326), (108, 16455), (118, 16497), (128, 16530), (140, 16590), (143, 16605), (167, 16725), (182, 16809), (225, 17064),

Gene: Dinger_20 Start: 11319, Stop: 12094, Start Num: 64
Candidate Starts for Dinger_20:
(Start: 64 @11319 has 837 MA's), (95, 11457), (Start: 97 @11463 has 1 MA's), (110, 11514), (121, 11553), (138, 11619), (140, 11625), (147, 11655), (149, 11685), (151, 11694), (163, 11745), (182, 11844), (194, 11895), (195, 11901), (211, 12036),

Gene: Dirtdigger_19 Start: 10183, Stop: 10958, Start Num: 64
Candidate Starts for Dirtdigger_19:
(Start: 64 @10183 has 837 MA's), (78, 10258), (90, 10306), (131, 10429), (157, 10561), (162, 10582), (165, 10594), (193, 10720), (197, 10741), (229, 10942),

Gene: DirtyDunning_24 Start: 15094, Stop: 15962, Start Num: 64
Candidate Starts for DirtyDunning_24:
(Start: 64 @15094 has 837 MA's), (75, 15160), (83, 15187), (115, 15307), (138, 15400), (140, 15406), (161, 15517), (176, 15595), (181, 15622), (182, 15625), (185, 15640), (196, 15691), (215, 15826), (219, 15841),

Gene: Discoknowium_21 Start: 14560, Stop: 15353, Start Num: 64
Candidate Starts for Discoknowium_21:
(Start: 64 @14560 has 837 MA's), (73, 14617), (75, 14623), (88, 14671), (Start: 94 @14695 has 1 MA's), (100, 14716), (102, 14725), (107, 14752), (114, 14773), (117, 14788), (122, 14809), (126, 14821), (143, 14893), (148, 14920), (158, 14977), (163, 14998), (165, 15007),

Gene: Dixon_21 Start: 13752, Stop: 14554, Start Num: 64
Candidate Starts for Dixon_21:
(Start: 64 @13752 has 837 MA's), (73, 13812), (77, 13824), (99, 13908), (100, 13911), (107, 13947), (115, 13971), (138, 14067), (170, 14220), (181, 14289), (189, 14328), (206, 14445), (225, 14547),

Gene: Donatella_18 Start: 10332, Stop: 11104, Start Num: 64
Candidate Starts for Donatella_18:
(Start: 64 @10332 has 837 MA's), (78, 10407), (79, 10413), (90, 10455), (131, 10578), (182, 10821), (199, 10905), (216, 11028), (229, 11088),

Gene: Doom_24 Start: 16337, Stop: 17136, Start Num: 64
Candidate Starts for Doom_24:
(Start: 30 @16223 has 1 MA's), (51, 16271), (Start: 64 @16337 has 837 MA's), (86, 16448), (115, 16556), (117, 16568), (134, 16637),

Gene: Dorothea_28 Start: 15926, Stop: 16743, Start Num: 64
Candidate Starts for Dorothea_28:
(24, 15821), (Start: 39 @15836 has 3 MA's), (Start: 50 @15863 has 37 MA's), (Start: 64 @15926 has 837 MA's), (Start: 94 @16064 has 1 MA's), (100, 16085), (116, 16163), (118, 16175), (140, 16268), (143, 16283), (178, 16463), (182, 16487), (199, 16577), (215, 16691), (225, 16736),

Gene: DrFeelGood_22 Start: 15585, Stop: 16480, Start Num: 38
Candidate Starts for DrFeelGood_22:
(Start: 11 @15510 has 1 MA's), (Start: 38 @15585 has 21 MA's), (Start: 64 @15687 has 837 MA's), (75, 15756), (86, 15798), (95, 15831), (134, 15981), (139, 15996), (140, 15999), (141, 16002),

Gene: Drake55_27 Start: 16310, Stop: 17139, Start Num: 64
Candidate Starts for Drake55_27:
(Start: 39 @16220 has 3 MA's), (Start: 50 @16247 has 37 MA's), (Start: 64 @16310 has 837 MA's), (68, 16337), (80, 16394), (117, 16553), (118, 16562), (140, 16655), (143, 16670), (167, 16790), (178, 16850), (182, 16874), (225, 17129),

Gene: Drake94_23 Start: 13002, Stop: 13870, Start Num: 64
Candidate Starts for Drake94_23:
(Start: 50 @12939 has 37 MA's), (Start: 64 @13002 has 837 MA's), (73, 13062), (75, 13068), (Start: 94 @13140 has 1 MA's), (115, 13212), (118, 13233), (119, 13236), (138, 13305), (161, 13422), (181, 13527), (182, 13530), (212, 13725),

Gene: DreamCatcher_26 Start: 16965, Stop: 17764, Start Num: 64
Candidate Starts for DreamCatcher_26:
(Start: 64 @16965 has 837 MA's), (75, 17034), (82, 17058), (85, 17073), (86, 17076), (129, 17244),

Gene: DreamTeam1_25 Start: 14746, Stop: 15572, Start Num: 64
Candidate Starts for DreamTeam1_25:
(Start: 64 @14746 has 837 MA's), (77, 14818), (Start: 94 @14881 has 1 MA's), (109, 14959), (112, 14968), (134, 15064), (140, 15082), (143, 15097), (149, 15142), (186, 15325), (225, 15553),

Gene: Dreamboat_24 Start: 15493, Stop: 16292, Start Num: 64
Candidate Starts for Dreamboat_24:
(Start: 64 @15493 has 837 MA's), (75, 15562), (82, 15586), (85, 15601), (86, 15604), (129, 15772),

Gene: DroogsArmy_25 Start: 16476, Stop: 17266, Start Num: 64
Candidate Starts for DroogsArmy_25:
(Start: 64 @16476 has 837 MA's), (73, 16536), (128, 16737), (129, 16740), (132, 16749), (137, 16785), (143, 16809), (147, 16824), (149, 16854), (172, 16953), (181, 17010), (185, 17028), (195, 17070),

Gene: DropBear_24 Start: 14758, Stop: 15554, Start Num: 61
Candidate Starts for DropBear_24:
(Start: 22 @14644 has 2 MA's), (Start: 50 @14692 has 37 MA's), (Start: 61 @14758 has 92 MA's), (83, 14851), (100, 14917), (103, 14926), (107, 14953), (118, 14998), (136, 15070), (140, 15082), (143, 15097), (149, 15142), (153, 15157), (160, 15190), (181, 15298), (182, 15301), (185, 15316), (186, 15325), (213, 15493),

Gene: Druantia_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for Druantia_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: Dublin_20 Start: 14414, Stop: 15207, Start Num: 64
Candidate Starts for Dublin_20:
(Start: 39 @14324 has 3 MA's), (Start: 64 @14414 has 837 MA's), (73, 14471), (88, 14525), (Start: 94 @14549 has 1 MA's), (100, 14570), (102, 14579), (107, 14606), (114, 14627), (117, 14642), (122, 14663), (126, 14675), (143, 14747), (148, 14774), (158, 14831), (163, 14852), (165, 14861),

Gene: DudeLittle_25 Start: 15868, Stop: 16700, Start Num: 64
Candidate Starts for DudeLittle_25:
(Start: 64 @15868 has 837 MA's), (68, 15895), (74, 15931), (80, 15952), (118, 16123), (128, 16156), (140, 16216), (143, 16231), (186, 16459), (189, 16471), (225, 16690),

Gene: Dulcie_22 Start: 15190, Stop: 15989, Start Num: 64
Candidate Starts for Dulcie_22:
(Start: 64 @15190 has 837 MA's), (75, 15259), (82, 15283), (85, 15298), (86, 15301), (91, 15319), (129, 15469), (147, 15538), (186, 15751),

Gene: Duplo_28 Start: 15733, Stop: 16556, Start Num: 64
Candidate Starts for Duplo_28:
(Start: 64 @15733 has 837 MA's), (80, 15817), (Start: 94 @15871 has 1 MA's), (108, 15943), (143, 16093), (144, 16096), (166, 16210), (167, 16213), (186, 16321), (206, 16453), (225, 16546),

Gene: Dussy_24 Start: 15843, Stop: 16648, Start Num: 64
Candidate Starts for Dussy_24:
(Start: 38 @15744 has 21 MA's), (Start: 64 @15843 has 837 MA's), (85, 15951), (99, 16002), (102, 16014), (106, 16047), (118, 16092), (127, 16125), (140, 16170), (143, 16185), (147, 16200), (149, 16230),

Gene: Dwayne_17 Start: 10927, Stop: 11639, Start Num: 64
Candidate Starts for Dwayne_17:
(Start: 64 @10927 has 837 MA's), (132, 11176), (147, 11236), (162, 11323),

Gene: Dynamix_24 Start: 15587, Stop: 16386, Start Num: 64
Candidate Starts for Dynamix_24:
(56, 15554), (Start: 64 @15587 has 837 MA's), (Start: 94 @15728 has 1 MA's),

Gene: EZMoney23_29 Start: 17778, Stop: 18607, Start Num: 64
Candidate Starts for EZMoney23_29:
(Start: 64 @17778 has 837 MA's), (80, 17862), (Start: 94 @17916 has 1 MA's), (100, 17937), (117, 18021), (118, 18030), (140, 18123), (143, 18138), (182, 18342), (225, 18597),

Gene: Eagle_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Eagle_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: EagleEye_27 Start: 16035, Stop: 16843, Start Num: 64
Candidate Starts for EagleEye_27:
(Start: 64 @16035 has 837 MA's), (75, 16101), (88, 16149), (104, 16212), (118, 16281), (140, 16371), (142, 16377), (147, 16401), (177, 16563), (186, 16614), (225, 16836),

Gene: Eaglepride_25 Start: 14919, Stop: 15790, Start Num: 64
Candidate Starts for Eaglepride_25:
(Start: 64 @14919 has 837 MA's), (73, 14979), (75, 14985), (115, 15132), (138, 15225), (161, 15342), (181, 15447), (212, 15645),

Gene: Eapen_24 Start: 15097, Stop: 15965, Start Num: 64
Candidate Starts for Eapen_24:
(Start: 64 @15097 has 837 MA's), (75, 15163), (83, 15190), (115, 15310), (138, 15403), (140, 15409), (161, 15520), (176, 15598), (181, 15625), (182, 15628), (185, 15643), (196, 15694), (215, 15829), (219, 15844),

Gene: Ebony_25 Start: 16405, Stop: 17213, Start Num: 64
Candidate Starts for Ebony_25:

(Start: 64 @16405 has 837 MA's), (77, 16477), (82, 16495), (Start: 97 @16552 has 1 MA's), (115, 16630), (134, 16723), (161, 16852), (225, 17206),

Gene: Echild_25 Start: 15899, Stop: 16731, Start Num: 64
Candidate Starts for Echild_25:
(Start: 64 @15899 has 837 MA's), (73, 15959), (80, 15983), (108, 16112), (118, 16154), (140, 16247), (143, 16262), (167, 16382), (182, 16466), (225, 16721),

Gene: Eddasa_18 Start: 11113, Stop: 11828, Start Num: 64
Candidate Starts for Eddasa_18:
(Start: 64 @11113 has 837 MA's), (147, 11422), (162, 11509), (186, 11632),

Gene: Edison31_24 Start: 14949, Stop: 15817, Start Num: 64
Candidate Starts for Edison31_24:
(55, 14919), (Start: 64 @14949 has 837 MA's), (73, 15009), (75, 15015), (Start: 94 @15087 has 1 MA's), (115, 15159), (117, 15171), (136, 15246), (138, 15252), (140, 15258), (151, 15327), (161, 15369), (181, 15474), (196, 15543),

Gene: EdogawaKiddo_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for EdogawaKiddo_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Edtherson_24 Start: 16242, Stop: 17140, Start Num: 38
Candidate Starts for Edtherson_24:
(Start: 38 @16242 has 21 MA's), (Start: 64 @16341 has 837 MA's), (75, 16410), (82, 16434), (85, 16449), (86, 16452), (129, 16620), (147, 16689), (186, 16902),

Gene: Eidsmoe_26 Start: 16644, Stop: 17491, Start Num: 64
Candidate Starts for Eidsmoe_26:
(Start: 64 @16644 has 837 MA's), (77, 16716), (88, 16755), (109, 16857), (112, 16866), (134, 16962), (140, 16980), (143, 16995), (150, 17043), (182, 17199), (215, 17400), (219, 17415),

Gene: Ejemplo_17 Start: 10930, Stop: 11639, Start Num: 64
Candidate Starts for Ejemplo_17:
(Start: 64 @10930 has 837 MA's), (132, 11179), (162, 11326),

Gene: ElGato_18 Start: 10574, Stop: 11283, Start Num: 64
Candidate Starts for ElGato_18:
(32, 10469), (36, 10475), (Start: 64 @10574 has 837 MA's), (116, 10757), (136, 10841), (162, 10970), (182, 11069), (184, 11075), (202, 11174),

Gene: ElTiger69_20 Start: 14288, Stop: 15084, Start Num: 64
Candidate Starts for ElTiger69_20:
(27, 14186), (Start: 50 @14225 has 37 MA's), (Start: 64 @14288 has 837 MA's), (Start: 94 @14423 has 1 MA's), (100, 14444), (107, 14480), (117, 14516), (136, 14594), (143, 14621), (147, 14636), (165, 14735), (172, 14765), (179, 14807), (182, 14825), (191, 14870), (213, 15035),

Gene: Elephantoon_26 Start: 16235, Stop: 17130, Start Num: 64
Candidate Starts for Elephantoon_26:
(Start: 64 @16235 has 837 MA's), (70, 16274), (77, 16307), (85, 16340), (88, 16349), (Start: 94 @16373 has 1 MA's), (112, 16460), (134, 16556), (136, 16562), (138, 16568), (143, 16589), (182, 16793), (219, 17009),

Gene: Elesar_18 Start: 10249, Stop: 11021, Start Num: 64
Candidate Starts for Elesar_18:
(Start: 64 @10249 has 837 MA's), (78, 10324), (89, 10366), (90, 10372), (220, 10960), (229, 11005),

Gene: Elle_25 Start: 14622, Stop: 15514, Start Num: 64
Candidate Starts for Elle_25:
(Start: 64 @14622 has 837 MA's), (74, 14685), (140, 14940), (143, 14955), (147, 14970), (150, 15003), (166, 15072), (168, 15078), (189, 15195), (212, 15351), (213, 15360), (221, 15411), (230, 15441),

Gene: Emaanora_19 Start: 10930, Stop: 11642, Start Num: 64
Candidate Starts for Emaanora_19:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: EmyBug_26 Start: 16644, Stop: 17491, Start Num: 64
Candidate Starts for EmyBug_26:
(Start: 64 @16644 has 837 MA's), (77, 16716), (88, 16755), (109, 16857), (112, 16866), (134, 16962), (140, 16980), (143, 16995), (150, 17043), (182, 17199), (215, 17400), (219, 17415),

Gene: EnzoK_24 Start: 15766, Stop: 16565, Start Num: 64
Candidate Starts for EnzoK_24:
(Start: 38 @15667 has 21 MA's), (Start: 64 @15766 has 837 MA's), (75, 15835), (82, 15859), (85, 15874), (86, 15877), (91, 15895), (129, 16045), (147, 16114), (186, 16327),

Gene: EpicPhail_25 Start: 15120, Stop: 15979, Start Num: 50
Candidate Starts for EpicPhail_25:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Epsocamisio_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for Epsocamisio_27:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Equemioh13_27 Start: 16296, Stop: 17125, Start Num: 64
Candidate Starts for Equemioh13_27:
(56, 16269), (Start: 64 @16296 has 837 MA's), (68, 16323), (80, 16380), (117, 16539), (118, 16548), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: EricB_28 Start: 15915, Stop: 16735, Start Num: 64
Candidate Starts for EricB_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: Erik_20 Start: 11348, Stop: 12123, Start Num: 64
Candidate Starts for Erik_20:
(Start: 64 @11348 has 837 MA's), (95, 11486), (Start: 97 @11492 has 1 MA's), (110, 11543), (138, 11648), (140, 11654), (147, 11684), (149, 11714), (151, 11723), (159, 11759), (163, 11774), (165, 11783), (181, 11870), (182, 11873), (194, 11924), (195, 11930), (211, 12065),

Gene: Eris_23 Start: 15098, Stop: 15966, Start Num: 64

Candidate Starts for Eris_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Eros_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Eros_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Esperer_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Esperer_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: Espica_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Espica_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Espresso_23 Start: 15638, Stop: 16437, Start Num: 64
Candidate Starts for Espresso_23:
(Start: 64 @15638 has 837 MA's), (75, 15707), (82, 15731), (85, 15746), (86, 15749), (129, 15917),

Gene: Et2Brutus_24 Start: 16365, Stop: 17173, Start Num: 64
Candidate Starts for Et2Brutus_24:
(Start: 64 @16365 has 837 MA's), (77, 16437), (82, 16455), (Start: 97 @16512 has 1 MA's), (115, 16590), (134, 16683), (161, 16812), (225, 17166),

Gene: Euphoria_23 Start: 15528, Stop: 16327, Start Num: 64
Candidate Starts for Euphoria_23:
(Start: 64 @15528 has 837 MA's), (75, 15597), (82, 15621), (85, 15636), (86, 15639), (129, 15807),

Gene: Eurydice_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Eurydice_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: EvilGenius_27 Start: 16210, Stop: 17042, Start Num: 64
Candidate Starts for EvilGenius_27:
(Start: 64 @16210 has 837 MA's), (80, 16294), (108, 16423), (118, 16465), (128, 16498), (140, 16558), (143, 16573), (167, 16693), (182, 16777), (225, 17032),

Gene: Expelliarmus_20 Start: 13719, Stop: 14521, Start Num: 64
Candidate Starts for Expelliarmus_20:
(Start: 64 @13719 has 837 MA's), (73, 13779), (77, 13791), (99, 13875), (100, 13878), (107, 13914), (115, 13938), (138, 14034), (170, 14187), (181, 14256), (189, 14295), (206, 14412), (225, 14514),

Gene: ExplosioNervosa_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for ExplosioNervosa_26:

(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: Eyeball_23 Start: 15344, Stop: 16143, Start Num: 64
Candidate Starts for Eyeball_23:
(Start: 64 @15344 has 837 MA's), (91, 15473), (Start: 94 @15485 has 1 MA's), (117, 15575), (147, 15692),

Gene: Fajezeel_25 Start: 15863, Stop: 16662, Start Num: 64
Candidate Starts for Fajezeel_25:
(Start: 64 @15863 has 837 MA's), (75, 15932), (82, 15956), (85, 15971), (86, 15974), (91, 15992), (129, 16142),

Gene: Fameo_25 Start: 15843, Stop: 16675, Start Num: 64
Candidate Starts for Fameo_25:
(34, 15750), (Start: 64 @15843 has 837 MA's), (80, 15927), (108, 16056), (118, 16098), (128, 16131), (140, 16191), (143, 16206), (167, 16326), (182, 16410), (225, 16665),

Gene: Farber_26 Start: 15113, Stop: 15972, Start Num: 50
Candidate Starts for Farber_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Fascinus_22 Start: 15286, Stop: 16085, Start Num: 63
Candidate Starts for Fascinus_22:
(Start: 63 @15286 has 5 MA's), (86, 15397), (Start: 94 @15427 has 1 MA's), (117, 15517),

Gene: FatCactus_23 Start: 13867, Stop: 14687, Start Num: 64
Candidate Starts for FatCactus_23:
(44, 13786), (Start: 64 @13867 has 837 MA's), (76, 13936), (107, 14068), (140, 14203), (155, 14290), (169, 14344), (173, 14374), (176, 14392), (182, 14422), (189, 14458), (196, 14488), (199, 14512), (204, 14572), (213, 14620), (225, 14668),

Gene: Fayely_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Fayely_26:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: Fenn_24 Start: 17090, Stop: 17883, Start Num: 64
Candidate Starts for Fenn_24:
(Start: 38 @16991 has 21 MA's), (Start: 64 @17090 has 837 MA's), (75, 17159), (86, 17201), (95, 17234), (134, 17384), (139, 17399), (140, 17402), (141, 17405),

Gene: Fernando_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for Fernando_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: Fibonacci_25 Start: 16359, Stop: 17167, Start Num: 64
Candidate Starts for Fibonacci_25:

(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: FiringLine_25 Start: 15725, Stop: 16557, Start Num: 64
Candidate Starts for FiringLine_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: First_0024 Start: 15760, Stop: 16652, Start Num: 50
Candidate Starts for First_0024:
(Start: 39 @15733 has 3 MA's), (Start: 50 @15760 has 37 MA's), (Start: 64 @15823 has 837 MA's), (68, 15850), (80, 15907), (108, 16036), (118, 16078), (129, 16114), (132, 16123), (140, 16171), (143, 16186), (167, 16306), (182, 16390), (225, 16642),

Gene: Flare16_25 Start: 15854, Stop: 16683, Start Num: 64
Candidate Starts for Flare16_25:
(56, 15827), (Start: 64 @15854 has 837 MA's), (68, 15881), (80, 15938), (117, 16097), (118, 16106), (140, 16199), (143, 16214), (167, 16334), (182, 16418), (186, 16442), (225, 16673),

Gene: Flaverint_25 Start: 16356, Stop: 17164, Start Num: 64
Candidate Starts for Flaverint_25:
(Start: 64 @16356 has 837 MA's), (77, 16428), (82, 16446), (Start: 97 @16503 has 1 MA's), (115, 16581), (134, 16674), (161, 16803), (225, 17157),

Gene: Florean_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Florean_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Flux_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Flux_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: ForGetIt_21 Start: 14296, Stop: 15089, Start Num: 64
Candidate Starts for ForGetIt_21:
(Start: 64 @14296 has 837 MA's), (73, 14353), (75, 14359), (88, 14407), (Start: 94 @14431 has 1 MA's), (100, 14452), (102, 14461), (107, 14488), (114, 14509), (117, 14524), (122, 14545), (126, 14557), (143, 14629), (148, 14656), (158, 14713), (163, 14734), (165, 14743),

Gene: ForesterFrank_27 Start: 17318, Stop: 18147, Start Num: 64
Candidate Starts for ForesterFrank_27:
(Start: 64 @17318 has 837 MA's), (80, 17402), (Start: 94 @17456 has 1 MA's), (100, 17477), (114, 17546), (117, 17561), (118, 17570), (140, 17663), (143, 17678), (154, 17747), (182, 17882), (225, 18137),

Gene: Forsytheast_21 Start: 15552, Stop: 16351, Start Num: 64
Candidate Starts for Forsytheast_21:
(Start: 38 @15453 has 21 MA's), (Start: 64 @15552 has 837 MA's), (75, 15621), (82, 15645), (85, 15660), (86, 15663), (129, 15831),

Gene: Francis47_23 Start: 16091, Stop: 16890, Start Num: 64

Candidate Starts for Francis47_23:
(Start: 64 @16091 has 837 MA's), (86, 16202), (115, 16310), (117, 16322), (134, 16391),

Gene: Fred313_24 Start: 14443, Stop: 15239, Start Num: 61
Candidate Starts for Fred313_24:
(1, 14125), (2, 14131), (6, 14200), (Start: 22 @14329 has 2 MA's), (Start: 50 @14377 has 37 MA's), (Start: 61 @14443 has 92 MA's), (83, 14536), (100, 14602), (103, 14611), (107, 14638), (118, 14683), (132, 14737), (136, 14755), (140, 14767), (143, 14782), (149, 14827), (153, 14842), (160, 14875), (181, 14983), (182, 14986), (185, 15001), (186, 15010), (213, 15178),

Gene: Froghopper_24 Start: 15416, Stop: 16314, Start Num: 38
Candidate Starts for Froghopper_24:
(Start: 38 @15416 has 21 MA's), (Start: 64 @15515 has 837 MA's), (75, 15584), (82, 15608), (85, 15623), (86, 15626), (91, 15644), (129, 15794), (186, 16076),

Gene: Funston_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Funston_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Fushigi_24 Start: 15963, Stop: 16762, Start Num: 64
Candidate Starts for Fushigi_24:
(Start: 64 @15963 has 837 MA's), (91, 16092), (Start: 94 @16104 has 1 MA's), (117, 16194), (147, 16311),

Gene: GMonster_22 Start: 15383, Stop: 16182, Start Num: 64
Candidate Starts for GMonster_22:
(Start: 64 @15383 has 837 MA's), (75, 15452), (82, 15476), (85, 15491), (86, 15494), (129, 15662),

Gene: Gadost_24 Start: 15102, Stop: 15970, Start Num: 64
Candidate Starts for Gadost_24:
(Start: 64 @15102 has 837 MA's), (75, 15168), (83, 15195), (115, 15315), (138, 15408), (140, 15414), (161, 15525), (176, 15603), (181, 15630), (182, 15633), (185, 15648), (196, 15699), (215, 15834), (219, 15849),

Gene: GageAP_25 Start: 16264, Stop: 17063, Start Num: 64
Candidate Starts for GageAP_25:
(Start: 64 @16264 has 837 MA's), (75, 16333), (82, 16357), (85, 16372), (86, 16375), (91, 16393), (129, 16543), (147, 16612), (186, 16825),

Gene: Gail_24 Start: 14916, Stop: 15730, Start Num: 64
Candidate Starts for Gail_24:
(13, 14760), (Start: 25 @14808 has 2 MA's), (Start: 39 @14823 has 3 MA's), (Start: 50 @14850 has 37 MA's), (Start: 64 @14916 has 837 MA's), (68, 14943), (84, 15012), (Start: 94 @15054 has 1 MA's), (105, 15096), (128, 15201), (151, 15327), (161, 15369), (177, 15450), (186, 15501), (189, 15513), (190, 15519), (196, 15543), (208, 15642), (225, 15723),

Gene: Gandalf20_24 Start: 16391, Stop: 17190, Start Num: 64
Candidate Starts for Gandalf20_24:
(Start: 64 @16391 has 837 MA's), (75, 16460), (82, 16484), (85, 16499), (86, 16502), (129, 16670),

Gene: GaugeLDP_27 Start: 17092, Stop: 17915, Start Num: 64

Candidate Starts for GaugeLDP_27:
(41, 17005), (Start: 64 @17092 has 837 MA's), (68, 17119), (74, 17155), (80, 17176), (Start: 94 @17230 has 1 MA's), (107, 17299), (108, 17302), (118, 17344), (140, 17437), (143, 17452), (177, 17629), (182, 17656), (225, 17905),

Gene: Gemma_26 Start: 15257, Stop: 16053, Start Num: 61
Candidate Starts for Gemma_26:
(Start: 50 @15194 has 37 MA's), (Start: 61 @15257 has 92 MA's), (83, 15350), (85, 15362), (112, 15482), (115, 15491), (118, 15512), (128, 15554), (134, 15578), (136, 15584), (143, 15611), (149, 15656), (182, 15815), (218, 16019),

Gene: George_20 Start: 14446, Stop: 15239, Start Num: 64
Candidate Starts for George_20:
(Start: 64 @14446 has 837 MA's), (71, 14485), (73, 14503), (88, 14557), (Start: 94 @14581 has 1 MA's), (100, 14602), (102, 14611), (107, 14638), (114, 14659), (117, 14674), (122, 14695), (126, 14707), (134, 14746), (143, 14779), (148, 14806), (158, 14863), (163, 14884), (165, 14893),

Gene: Georgie2_26 Start: 15716, Stop: 16548, Start Num: 64
Candidate Starts for Georgie2_26:
(7, 15482), (9, 15509), (24, 15614), (Start: 64 @15716 has 837 MA's), (68, 15743), (74, 15779), (80, 15800), (118, 15971), (128, 16004), (140, 16064), (143, 16079), (167, 16199), (178, 16259), (189, 16319), (225, 16538),

Gene: Ghoulboy_21 Start: 14551, Stop: 15344, Start Num: 64
Candidate Starts for Ghoulboy_21:
(53, 14521), (Start: 64 @14551 has 837 MA's), (88, 14662), (100, 14707), (107, 14743), (117, 14779), (122, 14800), (135, 14854), (137, 14860), (143, 14884), (148, 14911), (158, 14968), (163, 14989), (166, 15001),

Gene: Gilberta_25 Start: 16353, Stop: 17161, Start Num: 64
Candidate Starts for Gilberta_25:
(Start: 64 @16353 has 837 MA's), (77, 16425), (82, 16443), (Start: 97 @16500 has 1 MA's), (115, 16578), (121, 16608), (134, 16671), (161, 16800), (182, 16908), (225, 17154),

Gene: GingkoMaracino_26 Start: 15069, Stop: 15865, Start Num: 61
Candidate Starts for GingkoMaracino_26:
(Start: 50 @15006 has 37 MA's), (Start: 61 @15069 has 92 MA's), (83, 15162), (85, 15174), (Start: 94 @15207 has 1 MA's), (98, 15219), (112, 15294), (115, 15303), (118, 15324), (128, 15366), (136, 15396), (143, 15423), (149, 15468), (218, 15831),

Gene: GirlDinner_17 Start: 10769, Stop: 11499, Start Num: 64
Candidate Starts for GirlDinner_17:
(58, 10751), (Start: 64 @10769 has 837 MA's), (100, 10925), (147, 11081), (173, 11219),

Gene: Giroux_25 Start: 14698, Stop: 15494, Start Num: 61
Candidate Starts for Giroux_25:
(Start: 22 @14584 has 2 MA's), (Start: 50 @14632 has 37 MA's), (Start: 61 @14698 has 92 MA's), (83, 14791), (100, 14857), (103, 14866), (107, 14893), (118, 14938), (136, 15010), (140, 15022), (143, 15037), (149, 15082), (153, 15097), (160, 15130), (181, 15238), (182, 15241), (185, 15256), (186, 15265), (213, 15433),

Gene: Gladiator_28 Start: 15897, Stop: 16714, Start Num: 64
Candidate Starts for Gladiator_28:

(Start: 50 @15834 has 37 MA's), (Start: 64 @15897 has 837 MA's), (Start: 94 @16035 has 1 MA's), (100, 16056), (107, 16104), (116, 16137), (118, 16149), (140, 16242), (178, 16437), (215, 16662), (225, 16707),

Gene: Goby_17 Start: 10936, Stop: 11651, Start Num: 64
Candidate Starts for Goby_17:
(Start: 64 @10936 has 837 MA's), (132, 11185), (147, 11245), (162, 11332),

Gene: Godpower_18 Start: 10948, Stop: 11663, Start Num: 64
Candidate Starts for Godpower_18:
(Start: 64 @10948 has 837 MA's), (132, 11197), (147, 11257), (162, 11344),

Gene: Gollum_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Gollum_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Gompeii16_23 Start: 16039, Stop: 16838, Start Num: 64
Candidate Starts for Gompeii16_23:
(Start: 64 @16039 has 837 MA's), (86, 16150), (115, 16258), (117, 16270), (134, 16339),

Gene: GoodLuckBabe_19 Start: 10160, Stop: 10932, Start Num: 64
Candidate Starts for GoodLuckBabe_19:
(Start: 64 @10160 has 837 MA's), (78, 10235), (79, 10241), (90, 10283), (131, 10406), (175, 10607), (182, 10649), (199, 10733), (216, 10856), (229, 10916),

Gene: Goose_24 Start: 14910, Stop: 15778, Start Num: 64
Candidate Starts for Goose_24:
(Start: 64 @14910 has 837 MA's), (73, 14970), (75, 14976), (82, 15000), (Start: 94 @15048 has 1 MA's), (115, 15120), (117, 15132), (138, 15213), (161, 15330), (181, 15435), (182, 15438), (212, 15633),

Gene: Graduation_25 Start: 16297, Stop: 17096, Start Num: 64
Candidate Starts for Graduation_25:
(45, 16210), (Start: 64 @16297 has 837 MA's), (75, 16366), (82, 16390), (85, 16405), (86, 16408), (129, 16576),

Gene: Gratitude_27 Start: 16296, Stop: 17125, Start Num: 64
Candidate Starts for Gratitude_27:
(56, 16269), (Start: 64 @16296 has 837 MA's), (68, 16323), (80, 16380), (117, 16539), (118, 16548), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: GrecoEtereo_24 Start: 15840, Stop: 16639, Start Num: 64
Candidate Starts for GrecoEtereo_24:
(56, 15807), (Start: 64 @15840 has 837 MA's), (75, 15909), (82, 15933), (85, 15948), (86, 15951), (129, 16119),

Gene: GreedyLawyer_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for GreedyLawyer_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: GreenWeasel_19 Start: 11140, Stop: 11864, Start Num: 64
Candidate Starts for GreenWeasel_19:
(Start: 33 @11038 has 1 MA's), (Start: 64 @11140 has 837 MA's), (122, 11353), (132, 11395), (136, 11413), (161, 11536),

Gene: Greg_25 Start: 15863, Stop: 16662, Start Num: 64
Candidate Starts for Greg_25:
(Start: 64 @15863 has 837 MA's), (75, 15932), (82, 15956), (85, 15971), (86, 15974), (91, 15992), (129, 16142),

Gene: Grif_26 Start: 15266, Stop: 16062, Start Num: 61
Candidate Starts for Grif_26:
(Start: 50 @15203 has 37 MA's), (Start: 61 @15266 has 92 MA's), (83, 15359), (85, 15371), (Start: 94 @15404 has 1 MA's), (98, 15416), (112, 15491), (115, 15500), (118, 15521), (128, 15563), (136, 15593), (143, 15620), (149, 15665), (218, 16028),

Gene: GroundGoblin_24 Start: 16384, Stop: 17183, Start Num: 64
Candidate Starts for GroundGoblin_24:
(Start: 38 @16285 has 21 MA's), (Start: 64 @16384 has 837 MA's), (75, 16453), (82, 16477), (85, 16492), (86, 16495), (129, 16663),

Gene: Groundhog_20 Start: 13720, Stop: 14522, Start Num: 64
Candidate Starts for Groundhog_20:
(Start: 64 @13720 has 837 MA's), (73, 13780), (77, 13792), (99, 13876), (100, 13879), (107, 13915), (115, 13939), (138, 14035), (170, 14188), (181, 14257), (189, 14296), (206, 14413), (225, 14515),

Gene: Groupthink_27 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Groupthink_27:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Grub_26 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for Grub_26:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: Grum1_26 Start: 15176, Stop: 15972, Start Num: 61
Candidate Starts for Grum1_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Gruunaga_28 Start: 15897, Stop: 16714, Start Num: 64
Candidate Starts for Gruunaga_28:
(Start: 50 @15834 has 37 MA's), (Start: 64 @15897 has 837 MA's), (Start: 94 @16035 has 1 MA's), (100, 16056), (107, 16104), (116, 16137), (118, 16149), (140, 16242), (178, 16437), (215, 16662), (225, 16707),

Gene: GtownJaz_26 Start: 15184, Stop: 15980, Start Num: 61
Candidate Starts for GtownJaz_26:

(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136, 15511), (143, 15538), (149, 15583), (218, 15946),

Gene: Guinevere_19 Start: 10191, Stop: 10963, Start Num: 64
Candidate Starts for Guinevere_19:
(Start: 64 @10191 has 837 MA's), (78, 10266), (79, 10272), (84, 10287), (90, 10314), (131, 10437), (165, 10599), (175, 10638), (182, 10680), (199, 10764), (201, 10779), (216, 10887), (229, 10947),

Gene: Gusanita_17 Start: 10082, Stop: 10854, Start Num: 64
Candidate Starts for Gusanita_17:
(Start: 64 @10082 has 837 MA's), (78, 10157), (90, 10205), (92, 10214), (131, 10328), (135, 10346), (149, 10421), (182, 10571), (197, 10637), (216, 10778), (229, 10838),

Gene: Gwendoluna_25 Start: 17059, Stop: 17861, Start Num: 64
Candidate Starts for Gwendoluna_25:
(Start: 25 @16945 has 2 MA's), (Start: 38 @16960 has 21 MA's), (Start: 64 @17059 has 837 MA's), (85, 17167), (99, 17218), (102, 17230), (106, 17263), (118, 17308), (140, 17386), (143, 17401), (147, 17416), (149, 17446),

Gene: Gwennie_26 Start: 15183, Stop: 15979, Start Num: 61
Candidate Starts for Gwennie_26:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Gyzlar_25 Start: 16789, Stop: 17588, Start Num: 64
Candidate Starts for Gyzlar_25:
(Start: 38 @16690 has 21 MA's), (Start: 64 @16789 has 837 MA's), (75, 16858), (82, 16882), (85, 16897), (86, 16900), (129, 17068),

Gene: HINdeR_24 Start: 16577, Stop: 17367, Start Num: 64
Candidate Starts for HINdeR_24:
(Start: 64 @16577 has 837 MA's), (73, 16637), (129, 16841), (132, 16850), (137, 16886), (143, 16910), (147, 16925), (149, 16955), (160, 17003), (161, 17006), (172, 17054), (180, 17099), (181, 17111), (224, 17360),

Gene: Haizum_17 Start: 10836, Stop: 11566, Start Num: 64
Candidate Starts for Haizum_17:
(18, 10698), (Start: 64 @10836 has 837 MA's), (95, 10974), (116, 11022), (122, 11046), (147, 11148), (153, 11193), (184, 11340),

Gene: Halloweekend_17 Start: 9832, Stop: 10604, Start Num: 64
Candidate Starts for Halloweekend_17:
(Start: 64 @9832 has 837 MA's), (78, 9907), (90, 9955), (92, 9964), (131, 10078), (135, 10096), (149, 10171), (182, 10321), (197, 10387), (216, 10528), (229, 10588),

Gene: HamSlice_23 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for HamSlice_23:
(Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: Hami1_25 Start: 15935, Stop: 16734, Start Num: 64
Candidate Starts for Hami1_25:
(Start: 64 @15935 has 837 MA's), (75, 16004), (82, 16028), (85, 16043), (86, 16046), (91, 16064), (129, 16214),

Gene: Hammer_27 Start: 15849, Stop: 16729, Start Num: 50
Candidate Starts for Hammer_27:
(Start: 50 @15849 has 37 MA's), (Start: 64 @15912 has 837 MA's), (Start: 94 @16050 has 1 MA's), (100, 16071), (107, 16119), (116, 16152), (118, 16164), (140, 16257), (178, 16452), (182, 16476), (215, 16677), (225, 16722),

Gene: HanShotFirst_23 Start: 15469, Stop: 16268, Start Num: 64
Candidate Starts for HanShotFirst_23:
(60, 15451), (Start: 64 @15469 has 837 MA's), (75, 15538), (82, 15562), (85, 15577), (86, 15580), (91, 15598), (129, 15748),

Gene: Hank144_18 Start: 11071, Stop: 11792, Start Num: 64
Candidate Starts for Hank144_18:
(58, 11053), (Start: 64 @11071 has 837 MA's), (100, 11227), (147, 11383),

Gene: Hanray_26 Start: 16618, Stop: 17465, Start Num: 64
Candidate Starts for Hanray_26:
(Start: 64 @16618 has 837 MA's), (77, 16690), (88, 16729), (109, 16831), (112, 16840), (134, 16936), (140, 16954), (143, 16969), (150, 17017), (182, 17173), (219, 17389),

Gene: Happiness_24 Start: 15104, Stop: 15972, Start Num: 64
Candidate Starts for Happiness_24:
(Start: 64 @15104 has 837 MA's), (75, 15170), (83, 15197), (115, 15317), (138, 15410), (140, 15416), (161, 15527), (176, 15605), (181, 15632), (182, 15635), (185, 15650), (196, 15701), (215, 15836), (219, 15851),

Gene: Harlequin_20 Start: 11299, Stop: 12074, Start Num: 64
Candidate Starts for Harlequin_20:
(Start: 64 @11299 has 837 MA's), (95, 11437), (Start: 97 @11443 has 1 MA's), (110, 11494), (121, 11533), (138, 11599), (140, 11605), (147, 11635), (149, 11665), (151, 11674), (163, 11725), (181, 11821), (194, 11875), (195, 11881), (211, 12016),

Gene: HarryHoudini_27 Start: 16313, Stop: 17142, Start Num: 64
Candidate Starts for HarryHoudini_27:
(Start: 64 @16313 has 837 MA's), (80, 16397), (117, 16556), (118, 16565), (140, 16658), (143, 16673), (156, 16754), (167, 16793), (178, 16853), (182, 16877), (225, 17132),

Gene: HarryOW_24 Start: 15740, Stop: 16713, Start Num: 11
Candidate Starts for HarryOW_24:
(Start: 11 @15740 has 1 MA's), (Start: 38 @15815 has 21 MA's), (Start: 64 @15914 has 837 MA's), (91, 16043), (Start: 94 @16055 has 1 MA's), (117, 16145), (147, 16262),

Gene: HashRod_27 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for HashRod_27:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: HaveUMetTed_27 Start: 15254, Stop: 16050, Start Num: 61
Candidate Starts for HaveUMetTed_27:
(Start: 61 @15254 has 92 MA's), (77, 15326), (83, 15347), (85, 15359), (112, 15479), (115, 15488), (118, 15509), (128, 15551), (134, 15575), (136, 15581), (143, 15608), (149, 15653), (218, 16016),

Gene: Heathen_24 Start: 14433, Stop: 15295, Start Num: 50
Candidate Starts for Heathen_24:
(Start: 22 @14385 has 2 MA's), (Start: 50 @14433 has 37 MA's), (Start: 61 @14499 has 92 MA's), (83, 14592), (100, 14658), (103, 14667), (107, 14694), (118, 14739), (136, 14811), (140, 14823), (143, 14838), (149, 14883), (153, 14898), (160, 14931), (181, 15039), (182, 15042), (185, 15057), (186, 15066), (213, 15234),

Gene: Heffalump_26 Start: 17645, Stop: 18477, Start Num: 64
Candidate Starts for Heffalump_26:
(34, 17552), (Start: 64 @17645 has 837 MA's), (80, 17729), (108, 17858), (118, 17900), (128, 17933), (140, 17993), (143, 18008), (167, 18128), (182, 18212), (225, 18467),

Gene: HelDan_24 Start: 14637, Stop: 15547, Start Num: 22
Candidate Starts for HelDan_24:
(Start: 22 @14637 has 2 MA's), (Start: 50 @14685 has 37 MA's), (Start: 61 @14751 has 92 MA's), (83, 14844), (100, 14910), (103, 14919), (107, 14946), (118, 14991), (136, 15063), (140, 15075), (143, 15090), (149, 15135), (153, 15150), (160, 15183), (181, 15291), (182, 15294), (185, 15309), (186, 15318), (213, 15486),

Gene: Heliosoles_26 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Heliosoles_26:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Helmet_28 Start: 15920, Stop: 16740, Start Num: 64
Candidate Starts for Helmet_28:
(24, 15815), (Start: 39 @15830 has 3 MA's), (Start: 50 @15857 has 37 MA's), (Start: 64 @15920 has 837 MA's), (Start: 94 @16058 has 1 MA's), (100, 16079), (116, 16160), (118, 16172), (140, 16265), (143, 16280), (178, 16460), (182, 16484), (199, 16574), (215, 16688), (225, 16733),

Gene: Herbertwm_22 Start: 14510, Stop: 15330, Start Num: 64
Candidate Starts for Herbertwm_22:
(Start: 64 @14510 has 837 MA's), (74, 14573), (88, 14624), (121, 14771), (167, 14990), (182, 15074), (186, 15098), (194, 15125), (204, 15224), (225, 15323),

Gene: Hercules11_26 Start: 15190, Stop: 15986, Start Num: 61
Candidate Starts for Hercules11_26:
(Start: 50 @15127 has 37 MA's), (Start: 61 @15190 has 92 MA's), (83, 15283), (85, 15295), (Start: 94 @15328 has 1 MA's), (98, 15340), (112, 15415), (115, 15424), (118, 15445), (128, 15487), (136, 15517), (143, 15544), (149, 15589), (218, 15952),

Gene: Hermia_25 Start: 16576, Stop: 17375, Start Num: 64
Candidate Starts for Hermia_25:
(Start: 38 @16477 has 21 MA's), (Start: 64 @16576 has 837 MA's), (75, 16645), (82, 16669), (85, 16684), (86, 16687), (129, 16855),

Gene: HermioneGrange_23 Start: 15389, Stop: 16287, Start Num: 38

Candidate Starts for HermioneGrange_23:
(Start: 38 @15389 has 21 MA's), (Start: 64 @15488 has 837 MA's), (91, 15617), (Start: 94 @15629 has 1 MA's), (117, 15719), (147, 15836),

Gene: Hexamo_28 Start: 15879, Stop: 16696, Start Num: 64
Candidate Starts for Hexamo_28:
(Start: 50 @15816 has 37 MA's), (Start: 64 @15879 has 837 MA's), (Start: 94 @16017 has 1 MA's), (100, 16038), (107, 16086), (116, 16119), (118, 16131), (140, 16224), (178, 16419), (182, 16443), (215, 16644), (225, 16689),

Gene: HippoHollow_26 Start: 17563, Stop: 18395, Start Num: 64
Candidate Starts for HippoHollow_26:
(Start: 64 @17563 has 837 MA's), (68, 17590), (73, 17623), (80, 17647), (108, 17776), (118, 17818), (140, 17911), (143, 17926), (167, 18046), (182, 18130), (225, 18385),

Gene: Hiro_20 Start: 11293, Stop: 12068, Start Num: 64
Candidate Starts for Hiro_20:
(Start: 64 @11293 has 837 MA's), (110, 11488), (138, 11593), (140, 11599), (147, 11629), (149, 11659), (151, 11668), (163, 11719), (181, 11815), (182, 11818), (194, 11869), (195, 11875), (211, 12010), (213, 12025),

Gene: Holex_26 Start: 16618, Stop: 17465, Start Num: 64
Candidate Starts for Holex_26:
(Start: 64 @16618 has 837 MA's), (77, 16690), (88, 16729), (109, 16831), (112, 16840), (134, 16936), (140, 16954), (143, 16969), (150, 17017), (182, 17173), (219, 17389),

Gene: Holli_23 Start: 14888, Stop: 15756, Start Num: 64
Candidate Starts for Holli_23:
(Start: 64 @14888 has 837 MA's), (75, 14954), (83, 14981), (115, 15101), (138, 15194), (140, 15200), (161, 15311), (176, 15389), (181, 15416), (185, 15434), (196, 15485), (215, 15620), (219, 15635),

Gene: Homines_23 Start: 15639, Stop: 16432, Start Num: 64
Candidate Starts for Homines_23:
(Start: 11 @15465 has 1 MA's), (Start: 38 @15540 has 21 MA's), (Start: 64 @15639 has 837 MA's), (75, 15708), (86, 15750), (95, 15783), (134, 15933), (139, 15948), (140, 15951), (141, 15954),

Gene: Hookmount_25 Start: 15248, Stop: 16044, Start Num: 61
Candidate Starts for Hookmount_25:
(40, 15164), (Start: 61 @15248 has 92 MA's), (83, 15341), (100, 15407), (103, 15416), (107, 15443), (118, 15488), (132, 15542), (136, 15560), (143, 15587), (185, 15806), (213, 15983),

Gene: Hoot_28 Start: 15901, Stop: 16721, Start Num: 64
Candidate Starts for Hoot_28:
(Start: 50 @15838 has 37 MA's), (Start: 64 @15901 has 837 MA's), (Start: 94 @16039 has 1 MA's), (100, 16060), (116, 16141), (118, 16153), (140, 16246), (143, 16261), (178, 16441), (182, 16465), (199, 16555), (215, 16669), (225, 16714),

Gene: Hope4ever_23 Start: 15953, Stop: 16752, Start Num: 64
Candidate Starts for Hope4ever_23:
(23, 15842), (Start: 25 @15848 has 2 MA's), (Start: 38 @15863 has 21 MA's), (55, 15917), (Start: 64 @15953 has 837 MA's), (86, 16064), (115, 16172), (117, 16184), (134, 16253),

Gene: HortumSL17_26 Start: 16614, Stop: 17461, Start Num: 64

Candidate Starts for HortumSL17_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Houdini22_24 Start: 15102, Stop: 15970, Start Num: 64
Candidate Starts for Houdini22_24:
(Start: 64 @15102 has 837 MA's), (75, 15168), (83, 15195), (138, 15408), (140, 15414), (161, 15525), (176, 15603), (181, 15630), (182, 15633), (185, 15648), (196, 15699), (215, 15834), (219, 15849),

Gene: HuhtaEnerson15_21 Start: 14446, Stop: 15239, Start Num: 64
Candidate Starts for HuhtaEnerson15_21:
(Start: 64 @14446 has 837 MA's), (71, 14485), (73, 14503), (88, 14557), (Start: 94 @14581 has 1 MA's), (100, 14602), (102, 14611), (107, 14638), (114, 14659), (117, 14674), (122, 14695), (126, 14707), (134, 14746), (143, 14779), (148, 14806), (158, 14863), (163, 14884), (165, 14893),

Gene: Hutc2_25 Start: 16359, Stop: 17167, Start Num: 64
Candidate Starts for Hutc2_25:
(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: Huxley_24 Start: 15162, Stop: 16030, Start Num: 64
Candidate Starts for Huxley_24:
(Start: 64 @15162 has 837 MA's), (75, 15228), (83, 15255), (115, 15375), (138, 15468), (140, 15474), (161, 15585), (176, 15663), (181, 15690), (182, 15693), (185, 15708), (196, 15759), (215, 15894), (219, 15909),

Gene: Hydra_19 Start: 11478, Stop: 12193, Start Num: 64
Candidate Starts for Hydra_19:
(Start: 64 @11478 has 837 MA's), (132, 11727), (147, 11787), (162, 11874),

Gene: ICleared_24 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for ICleared_24:
(Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: ILeeKay_25 Start: 15715, Stop: 16514, Start Num: 64
Candidate Starts for ILeeKay_25:
(Start: 64 @15715 has 837 MA's), (86, 15826), (115, 15934), (117, 15946), (134, 16015),

Gene: Iceman_25 Start: 15387, Stop: 16255, Start Num: 64
Candidate Starts for Iceman_25:
(Start: 64 @15387 has 837 MA's), (75, 15453), (83, 15480), (115, 15600), (138, 15693), (140, 15699), (161, 15810), (176, 15888), (181, 15915), (182, 15918), (185, 15933), (196, 15984), (215, 16119), (219, 16134),

Gene: Ichabod_24 Start: 15567, Stop: 16360, Start Num: 64
Candidate Starts for Ichabod_24:
(Start: 64 @15567 has 837 MA's), (75, 15636), (86, 15678), (95, 15711), (134, 15861), (139, 15876), (140, 15879), (141, 15882), (182, 16098),

Gene: Ichiang_17 Start: 9847, Stop: 10619, Start Num: 64
Candidate Starts for Ichiang_17:

(Start: 64 @9847 has 837 MA's), (78, 9922), (79, 9928), (90, 9970), (131, 10093), (175, 10294), (182, 10336), (199, 10420), (229, 10603),

Gene: Idleandcovert_23 Start: 14632, Stop: 15494, Start Num: 50
Candidate Starts for Idleandcovert_23:
(Start: 22 @14584 has 2 MA's), (Start: 50 @14632 has 37 MA's), (Start: 61 @14698 has 92 MA's), (83, 14791), (100, 14857), (103, 14866), (107, 14893), (118, 14938), (136, 15010), (140, 15022), (143, 15037), (149, 15082), (153, 15097), (160, 15130), (181, 15238), (182, 15241), (185, 15256), (186, 15265), (213, 15433),

Gene: IgnatiusPatJac_22 Start: 15550, Stop: 16349, Start Num: 64
Candidate Starts for IgnatiusPatJac_22:
(Start: 64 @15550 has 837 MA's), (75, 15619), (82, 15643), (85, 15658), (86, 15661), (91, 15679), (129, 15829),

Gene: Imbriano_28 Start: 15925, Stop: 16742, Start Num: 64
Candidate Starts for Imbriano_28:
(24, 15820), (Start: 39 @15835 has 3 MA's), (Start: 50 @15862 has 37 MA's), (Start: 64 @15925 has 837 MA's), (Start: 94 @16063 has 1 MA's), (100, 16084), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: Indigo_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Indigo_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: Indra_28 Start: 15861, Stop: 16741, Start Num: 50
Candidate Starts for Indra_28:
(Start: 50 @15861 has 37 MA's), (Start: 64 @15924 has 837 MA's), (Start: 94 @16062 has 1 MA's), (100, 16083), (107, 16131), (116, 16164), (118, 16176), (140, 16269), (178, 16464), (182, 16488), (215, 16689), (225, 16734),

Gene: Insomnia_25 Start: 16414, Stop: 17222, Start Num: 64
Candidate Starts for Insomnia_25:
(Start: 64 @16414 has 837 MA's), (77, 16486), (82, 16504), (Start: 97 @16561 has 1 MA's), (115, 16639), (134, 16732), (161, 16861), (225, 17215),

Gene: Iracema64_25 Start: 15409, Stop: 16277, Start Num: 64
Candidate Starts for Iracema64_25:
(Start: 64 @15409 has 837 MA's), (75, 15475), (83, 15502), (115, 15622), (138, 15715), (140, 15721), (161, 15832), (176, 15910), (181, 15937), (182, 15940), (185, 15955), (196, 16006), (215, 16141), (219, 16156),

Gene: IronMan_27 Start: 17501, Stop: 18318, Start Num: 64
Candidate Starts for IronMan_27:
(3, 17234), (8, 17285), (Start: 25 @17399 has 2 MA's), (Start: 64 @17501 has 837 MA's), (85, 17606), (Start: 94 @17639 has 1 MA's), (111, 17717), (140, 17840), (161, 17951), (172, 17999), (225, 18311),

Gene: IsHungry_19 Start: 10156, Stop: 10931, Start Num: 64
Candidate Starts for IsHungry_19:
(Start: 64 @10156 has 837 MA's), (78, 10231), (79, 10237), (90, 10279), (131, 10402),

Gene: Isca_24 Start: 14560, Stop: 15422, Start Num: 50
Candidate Starts for Isca_24:

(Start: 50 @14560 has 37 MA's), (Start: 61 @14626 has 92 MA's), (100, 14785), (103, 14794), (107, 14821), (118, 14866), (136, 14938), (143, 14965), (149, 15010), (153, 15025), (160, 15058), (181, 15166), (185, 15184), (213, 15361),

Gene: Isiphiwo_28 Start: 15915, Stop: 16747, Start Num: 64
Candidate Starts for Isiphiwo_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683),

Gene: Issmi_18 Start: 11089, Stop: 11819, Start Num: 64
Candidate Starts for Issmi_18:
(37, 10990), (40, 10993), (47, 11005), (58, 11071), (Start: 64 @11089 has 837 MA's), (116, 11275), (147, 11401), (184, 11593),

Gene: Itza_17 Start: 11214, Stop: 11926, Start Num: 64
Candidate Starts for Itza_17:
(Start: 64 @11214 has 837 MA's), (116, 11400), (132, 11466), (136, 11484), (147, 11526), (161, 11607),

Gene: Iwokeuplikedis_26 Start: 15798, Stop: 16612, Start Num: 64
Candidate Starts for Iwokeuplikedis_26:
(Start: 64 @15798 has 837 MA's), (68, 15825), (86, 15906), (108, 16008), (118, 16050), (136, 16128), (143, 16155), (161, 16251), (181, 16356), (215, 16563), (225, 16605),

Gene: Izzy_18 Start: 11160, Stop: 11875, Start Num: 64
Candidate Starts for Izzy_18:
(Start: 64 @11160 has 837 MA's), (147, 11469), (162, 11556), (186, 11679),

Gene: JC27_24 Start: 16451, Stop: 17250, Start Num: 64
Candidate Starts for JC27_24:
(Start: 64 @16451 has 837 MA's), (86, 16562), (115, 16670), (117, 16682), (134, 16751),

Gene: JF2_24 Start: 14311, Stop: 15173, Start Num: 50
Candidate Starts for JF2_24:
(Start: 50 @14311 has 37 MA's), (Start: 61 @14377 has 92 MA's), (100, 14536), (103, 14545), (107, 14572), (118, 14617), (136, 14689), (143, 14716), (149, 14761), (153, 14776), (160, 14809), (181, 14917), (182, 14920), (185, 14935), (213, 15112),

Gene: JF4_24 Start: 14311, Stop: 15173, Start Num: 50
Candidate Starts for JF4_24:
(Start: 50 @14311 has 37 MA's), (Start: 61 @14377 has 92 MA's), (100, 14536), (103, 14545), (107, 14572), (118, 14617), (136, 14689), (143, 14716), (149, 14761), (153, 14776), (160, 14809), (181, 14917), (182, 14920), (185, 14935), (213, 15112),

Gene: JHC117_26 Start: 15181, Stop: 15977, Start Num: 61
Candidate Starts for JHC117_26:
(Start: 50 @15118 has 37 MA's), (Start: 61 @15181 has 92 MA's), (83, 15274), (85, 15286), (Start: 94 @15319 has 1 MA's), (98, 15331), (112, 15406), (115, 15415), (118, 15436), (128, 15478), (136, 15508), (143, 15535), (149, 15580), (218, 15943),

Gene: Jaan_28 Start: 17899, Stop: 18707, Start Num: 64
Candidate Starts for Jaan_28:

(3, 17632), (8, 17683), (Start: 25 @17797 has 2 MA's), (Start: 64 @17899 has 837 MA's), (85, 18004), (140, 18238), (141, 18241), (161, 18349), (225, 18700),

Gene: Jabiru_21 Start: 14338, Stop: 15134, Start Num: 64
Candidate Starts for Jabiru_21:
(27, 14236), (Start: 50 @14275 has 37 MA's), (Start: 64 @14338 has 837 MA's), (Start: 94 @14473 has 1 MA's), (100, 14494), (107, 14530), (117, 14566), (136, 14644), (143, 14671), (147, 14686), (165, 14785), (172, 14815), (179, 14857), (182, 14875), (191, 14920), (213, 15085),

Gene: Jabith_25 Start: 16414, Stop: 17222, Start Num: 64
Candidate Starts for Jabith_25:
(Start: 64 @16414 has 837 MA's), (77, 16486), (82, 16504), (Start: 97 @16561 has 1 MA's), (115, 16639), (134, 16732), (161, 16861), (225, 17215),

Gene: JackSparrow_24 Start: 15891, Stop: 16690, Start Num: 64
Candidate Starts for JackSparrow_24:
(Start: 64 @15891 has 837 MA's), (91, 16020), (Start: 94 @16032 has 1 MA's), (117, 16122), (147, 16239),

Gene: Janus_18 Start: 11107, Stop: 11837, Start Num: 64
Candidate Starts for Janus_18:
(58, 11089), (Start: 64 @11107 has 837 MA's), (100, 11263), (147, 11419), (173, 11557),

Gene: Jash_18 Start: 11113, Stop: 11828, Start Num: 64
Candidate Starts for Jash_18:
(Start: 64 @11113 has 837 MA's), (147, 11422), (162, 11509), (186, 11632),

Gene: Jasper_24 Start: 15392, Stop: 16191, Start Num: 64
Candidate Starts for Jasper_24:
(Start: 64 @15392 has 837 MA's), (91, 15521), (Start: 94 @15533 has 1 MA's), (117, 15623), (147, 15740),

Gene: Jaykayelowell_24 Start: 15094, Stop: 15962, Start Num: 64
Candidate Starts for Jaykayelowell_24:
(Start: 64 @15094 has 837 MA's), (75, 15160), (83, 15187), (115, 15307), (138, 15400), (140, 15406), (161, 15517), (176, 15595), (181, 15622), (182, 15625), (185, 15640), (196, 15691), (215, 15826), (219, 15841),

Gene: Jeeves_24 Start: 14942, Stop: 15759, Start Num: 64
Candidate Starts for Jeeves_24:
(Start: 64 @14942 has 837 MA's), (84, 15038), (85, 15047), (Start: 94 @15080 has 1 MA's), (128, 15227), (140, 15284), (151, 15353), (161, 15395), (177, 15476), (186, 15527), (189, 15539), (190, 15545), (196, 15569), (200, 15602), (208, 15668), (225, 15749),

Gene: Jeffabunny_28 Start: 15868, Stop: 16748, Start Num: 50
Candidate Starts for Jeffabunny_28:
(Start: 50 @15868 has 37 MA's), (Start: 64 @15931 has 837 MA's), (Start: 94 @16069 has 1 MA's), (100, 16090), (107, 16138), (116, 16171), (118, 16183), (140, 16276), (178, 16471), (215, 16696), (225, 16741),

Gene: JenCasNa_25 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for JenCasNa_25:

(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: JeppNRM_27 Start: 15259, Stop: 16055, Start Num: 61
Candidate Starts for JeppNRM_27:
(Start: 61 @15259 has 92 MA's), (77, 15331), (83, 15352), (85, 15364), (112, 15484), (115, 15493), (118, 15514), (128, 15556), (134, 15580), (136, 15586), (143, 15613), (149, 15658), (182, 15817), (218, 16021),

Gene: Jerm_27 Start: 16234, Stop: 17066, Start Num: 64
Candidate Starts for Jerm_27:
(Start: 64 @16234 has 837 MA's), (68, 16261), (74, 16297), (80, 16318), (108, 16447), (118, 16489), (128, 16522), (140, 16582), (143, 16597), (167, 16717), (182, 16801), (225, 17056),

Gene: Jerm2_24 Start: 15760, Stop: 16559, Start Num: 64
Candidate Starts for Jerm2_24:
(Start: 38 @15661 has 21 MA's), (Start: 64 @15760 has 837 MA's), (91, 15889), (Start: 94 @15901 has 1 MA's), (115, 15979), (117, 15991), (147, 16108),

Gene: Jester_19 Start: 11293, Stop: 12068, Start Num: 64
Candidate Starts for Jester_19:
(Start: 64 @11293 has 837 MA's), (110, 11488), (138, 11593), (140, 11599), (147, 11629), (149, 11659), (151, 11668), (163, 11719), (165, 11728), (181, 11815), (182, 11818), (194, 11869), (195, 11875), (211, 12010),

Gene: JetBlade_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for JetBlade_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Jevington_19 Start: 11409, Stop: 12145, Start Num: 64
Candidate Starts for Jevington_19:
(59, 11391), (Start: 64 @11409 has 837 MA's), (100, 11565), (132, 11661), (147, 11721), (173, 11859), (186, 11931),

Gene: JewelBug_28 Start: 15927, Stop: 16747, Start Num: 64
Candidate Starts for JewelBug_28:
(24, 15822), (Start: 39 @15837 has 3 MA's), (Start: 50 @15864 has 37 MA's), (Start: 64 @15927 has 837 MA's), (Start: 94 @16065 has 1 MA's), (100, 16086), (116, 16167), (118, 16179), (140, 16272), (143, 16287), (148, 16314), (178, 16467), (182, 16491), (199, 16581), (215, 16695), (225, 16740),

Gene: Jhitchelle_16 Start: 10483, Stop: 11189, Start Num: 64
Candidate Starts for Jhitchelle_16:
(Start: 64 @10483 has 837 MA's), (116, 10666), (122, 10690), (132, 10732), (136, 10750), (161, 10873), (202, 11083),

Gene: Jiawan_26 Start: 16650, Stop: 17497, Start Num: 64
Candidate Starts for Jiawan_26:
(Start: 64 @16650 has 837 MA's), (77, 16722), (88, 16761), (109, 16863), (112, 16872), (134, 16968), (140, 16986), (143, 17001), (150, 17049), (182, 17205), (219, 17421),

Gene: Jobu08_26 Start: 15192, Stop: 16051, Start Num: 50
Candidate Starts for Jobu08_26:
(Start: 50 @15192 has 37 MA's), (Start: 61 @15255 has 92 MA's), (83, 15348), (85, 15360), (Start: 94 @15393 has 1 MA's), (98, 15405), (112, 15480), (115, 15489), (118, 15510), (128, 15552), (136, 15582), (143, 15609), (149, 15654), (218, 16017),

Gene: JoongJeon_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for JoongJeon_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Jordennis_28 Start: 15915, Stop: 16732, Start Num: 64
Candidate Starts for Jordennis_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (116, 16152), (118, 16164), (140, 16257), (143, 16272), (178, 16452), (182, 16476), (199, 16566), (215, 16680), (225, 16725),

Gene: Jorgensen_23 Start: 15347, Stop: 16146, Start Num: 63
Candidate Starts for Jorgensen_23:
(Start: 38 @15248 has 21 MA's), (Start: 63 @15347 has 5 MA's), (86, 15458), (Start: 94 @15488 has 1 MA's), (117, 15578),

Gene: Joselito_25 Start: 16362, Stop: 17170, Start Num: 64
Candidate Starts for Joselito_25:
(Start: 64 @16362 has 837 MA's), (77, 16434), (82, 16452), (Start: 97 @16509 has 1 MA's), (115, 16587), (134, 16680), (161, 16809), (225, 17163),

Gene: JoshKayV_27 Start: 16204, Stop: 17036, Start Num: 64
Candidate Starts for JoshKayV_27:
(Start: 64 @16204 has 837 MA's), (68, 16231), (74, 16267), (80, 16288), (108, 16417), (118, 16459), (128, 16492), (140, 16552), (143, 16567), (167, 16687), (225, 17026),

Gene: Journey13_23 Start: 14965, Stop: 15797, Start Num: 64
Candidate Starts for Journey13_23:
(Start: 64 @14965 has 837 MA's), (80, 15049), (Start: 94 @15103 has 1 MA's), (108, 15175), (118, 15217), (143, 15325), (154, 15394), (181, 15526), (182, 15529), (186, 15553), (225, 15775),

Gene: Jovo_21 Start: 14552, Stop: 15345, Start Num: 64
Candidate Starts for Jovo_21:
(Start: 64 @14552 has 837 MA's), (73, 14609), (75, 14615), (88, 14663), (Start: 94 @14687 has 1 MA's), (100, 14708), (102, 14717), (107, 14744), (114, 14765), (117, 14780), (122, 14801), (126, 14813), (143, 14885), (148, 14912), (158, 14969), (163, 14990), (165, 14999),

Gene: Jsquared_24 Start: 14730, Stop: 15553, Start Num: 64
Candidate Starts for Jsquared_24:
(Start: 64 @14730 has 837 MA's), (80, 14814), (84, 14826), (108, 14940), (132, 15027), (182, 15294), (200, 15393), (225, 15543),

Gene: JuliaChild_25 Start: 16021, Stop: 16820, Start Num: 64
Candidate Starts for JuliaChild_25:
(Start: 38 @15919 has 21 MA's), (Start: 64 @16021 has 837 MA's), (75, 16090), (82, 16114), (85, 16129), (86, 16132), (91, 16150), (129, 16300), (147, 16369),

Gene: Julie_19 Start: 10419, Stop: 11194, Start Num: 64
Candidate Starts for Julie_19:
(Start: 64 @10419 has 837 MA's), (78, 10494), (90, 10542), (131, 10665), (157, 10797), (162, 10818), (197, 10977), (229, 11178),

Gene: KADY_26 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for KADY_26:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: KBG_24 Start: 16352, Stop: 17253, Start Num: 33
Candidate Starts for KBG_24:
(Start: 33 @16352 has 1 MA's), (Start: 64 @16454 has 837 MA's), (75, 16523), (82, 16547), (85, 16562), (86, 16565), (129, 16733),

Gene: KFPoly_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for KFPoly_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: KSSJEB_22 Start: 15350, Stop: 16149, Start Num: 64
Candidate Starts for KSSJEB_22:
(Start: 64 @15350 has 837 MA's), (75, 15419), (82, 15443), (85, 15458), (86, 15461), (129, 15629),

Gene: Kachowdy_24 Start: 14751, Stop: 15547, Start Num: 61
Candidate Starts for Kachowdy_24:
(Start: 22 @14637 has 2 MA's), (Start: 50 @14685 has 37 MA's), (Start: 61 @14751 has 92 MA's), (83, 14844), (100, 14910), (103, 14919), (107, 14946), (118, 14991), (136, 15063), (140, 15075), (143, 15090), (149, 15135), (153, 15150), (160, 15183), (181, 15291), (182, 15294), (185, 15309), (186, 15318), (213, 15486),

Gene: Kaine_17 Start: 10555, Stop: 11261, Start Num: 64
Candidate Starts for Kaine_17:
(Start: 64 @10555 has 837 MA's), (116, 10738), (136, 10822), (162, 10951), (184, 11056),

Gene: Kalb97_27 Start: 15260, Stop: 16056, Start Num: 61
Candidate Starts for Kalb97_27:
(Start: 50 @15197 has 37 MA's), (Start: 61 @15260 has 92 MA's), (77, 15332), (83, 15353), (85, 15365), (112, 15485), (115, 15494), (118, 15515), (128, 15557), (134, 15581), (136, 15587), (143, 15614), (149, 15659), (182, 15818), (218, 16022),

Gene: Kalnoky_27 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Kalnoky_27:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Kalpine_28 Start: 17586, Stop: 18415, Start Num: 64
Candidate Starts for Kalpine_28:

(24, 17481), (Start: 39 @17496 has 3 MA's), (Start: 50 @17523 has 37 MA's), (Start: 64 @17586 has 837 MA's), (74, 17649), (Start: 94 @17724 has 1 MA's), (98, 17736), (118, 17838), (143, 17946), (181, 18147), (182, 18150), (225, 18405),

Gene: Kampy_24 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for Kampy_24:
(Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: Kanely_24 Start: 16127, Stop: 16926, Start Num: 64
Candidate Starts for Kanely_24:
(Start: 38 @16028 has 21 MA's), (Start: 64 @16127 has 837 MA's), (91, 16256), (Start: 94 @16268 has 1 MA's), (117, 16358), (147, 16475),

Gene: Katalie_18 Start: 11188, Stop: 11903, Start Num: 64
Candidate Starts for Katalie_18:
(Start: 64 @11188 has 837 MA's), (86, 11290), (132, 11437), (147, 11497), (162, 11584), (164, 11590),

Gene: Katalie136_24 Start: 15098, Stop: 15978, Start Num: 64
Candidate Starts for Katalie136_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (88, 15212), (Start: 94 @15236 has 1 MA's), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (199, 15719), (215, 15830), (219, 15845),

Gene: KatherineG_27 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for KatherineG_27:
(57, 15040), (Start: 64 @15070 has 837 MA's), (82, 15160), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: Kenmech_26 Start: 16930, Stop: 17735, Start Num: 64
Candidate Starts for Kenmech_26:
(Start: 64 @16930 has 837 MA's), (85, 17038), (99, 17089), (102, 17101), (106, 17134), (118, 17179), (127, 17212), (140, 17257), (143, 17272), (147, 17287), (149, 17317),

Gene: Kerberos_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for Kerberos_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (166, 16172), (167, 16175), (186, 16283), (206, 16415), (225, 16508),

Gene: Keziacharles14_24 Start: 14734, Stop: 15584, Start Num: 62
Candidate Starts for Keziacharles14_24:
(Start: 62 @14734 has 5 MA's), (70, 14773), (77, 14806), (85, 14839), (88, 14848), (Start: 94 @14872 has 1 MA's), (112, 14959), (122, 15001), (134, 15055), (136, 15061), (140, 15073), (143, 15088), (149, 15133), (154, 15157), (159, 15178), (186, 15316), (219, 15508),

Gene: Kihatsu_19 Start: 10513, Stop: 11285, Start Num: 64
Candidate Starts for Kihatsu_19:
(Start: 64 @10513 has 837 MA's), (78, 10588), (79, 10594), (90, 10636), (131, 10759), (182, 11002), (199, 11086), (216, 11209), (229, 11269),

Gene: KikiBouba_25 Start: 16385, Stop: 17184, Start Num: 64
Candidate Starts for KikiBouba_25:

(Start: 38 @16286 has 21 MA's), (Start: 64 @16385 has 837 MA's), (75, 16454), (82, 16478), (85, 16493), (86, 16496), (129, 16664),

Gene: Killigrew_21 Start: 15047, Stop: 15846, Start Num: 64
Candidate Starts for Killigrew_21:
(46, 14960), (Start: 64 @15047 has 837 MA's), (86, 15158), (117, 15278), (143, 15380),

Gene: Kimba_25 Start: 16414, Stop: 17222, Start Num: 64
Candidate Starts for Kimba_25:
(Start: 64 @16414 has 837 MA's), (77, 16486), (82, 16504), (Start: 97 @16561 has 1 MA's), (115, 16639), (134, 16732), (161, 16861), (225, 17215),

Gene: Kimona_21 Start: 12658, Stop: 13439, Start Num: 61
Candidate Starts for Kimona_21:
(40, 12565), (Start: 61 @12658 has 92 MA's), (100, 12814), (103, 12823), (107, 12850), (118, 12895), (129, 12940), (136, 12967), (143, 12994), (149, 13039), (181, 13195), (185, 13213), (195, 13255),

Gene: KingCyrus_27 Start: 16201, Stop: 17033, Start Num: 64
Candidate Starts for KingCyrus_27:
(Start: 64 @16201 has 837 MA's), (80, 16285), (108, 16414), (118, 16456), (128, 16489), (140, 16549), (143, 16564), (167, 16684), (182, 16768), (225, 17023),

Gene: Kingmustik0402_23 Start: 15090, Stop: 15958, Start Num: 64
Candidate Starts for Kingmustik0402_23:
(Start: 64 @15090 has 837 MA's), (75, 15156), (83, 15183), (115, 15303), (138, 15396), (140, 15402), (161, 15513), (176, 15591), (181, 15618), (182, 15621), (185, 15636), (196, 15687), (215, 15822), (219, 15837),

Gene: Kinmap_24 Start: 15747, Stop: 16417, Start Num: 94
Candidate Starts for Kinmap_24:
(Start: 64 @15609 has 837 MA's), (68, 15636), (83, 15702), (Start: 94 @15747 has 1 MA's), (107, 15807), (115, 15831), (128, 15885), (143, 15957), (170, 16089), (208, 16329), (225, 16407),

Gene: Kipper29_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for Kipper29_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: KittenMittens_23 Start: 13010, Stop: 13878, Start Num: 64
Candidate Starts for KittenMittens_23:
(Start: 50 @12947 has 37 MA's), (Start: 64 @13010 has 837 MA's), (73, 13070), (75, 13076), (Start: 94 @13148 has 1 MA's), (115, 13220), (118, 13241), (119, 13244), (138, 13313), (161, 13430), (181, 13535), (182, 13538), (212, 13733),

Gene: Koan_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Koan_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Koduck_26 Start: 14976, Stop: 15793, Start Num: 64
Candidate Starts for Koduck_26:

(Start: 64 @14976 has 837 MA's), (80, 15060), (Start: 94 @15114 has 1 MA's), (Start: 97 @15123 has 1 MA's), (107, 15177), (132, 15267), (181, 15531), (182, 15534), (200, 15633), (225, 15783),

Gene: Koko_28 Start: 15936, Stop: 16756, Start Num: 64
Candidate Starts for Koko_28:
(54, 15909), (Start: 64 @15936 has 837 MA's), (80, 16020), (84, 16032), (Start: 94 @16074 has 1 MA's), (Start: 97 @16083 has 1 MA's), (108, 16146), (121, 16197), (167, 16416), (182, 16500), (192, 16548), (199, 16590), (200, 16599), (222, 16749),

Gene: Koreni_23 Start: 14744, Stop: 15612, Start Num: 64
Candidate Starts for Koreni_23:
(Start: 64 @14744 has 837 MA's), (75, 14810), (83, 14837), (115, 14957), (138, 15050), (140, 15056), (161, 15167), (176, 15245), (181, 15272), (182, 15275), (185, 15290), (196, 15341), (215, 15476), (219, 15491),

Gene: Kratark_24 Start: 15093, Stop: 15961, Start Num: 64
Candidate Starts for Kratark_24:
(Start: 64 @15093 has 837 MA's), (75, 15159), (83, 15186), (115, 15306), (138, 15399), (140, 15405), (161, 15516), (176, 15594), (181, 15621), (182, 15624), (185, 15639), (196, 15690), (215, 15825), (219, 15840),

Gene: Kremtemulon_24 Start: 15146, Stop: 16014, Start Num: 64
Candidate Starts for Kremtemulon_24:
(Start: 64 @15146 has 837 MA's), (75, 15212), (83, 15239), (115, 15359), (138, 15452), (140, 15458), (161, 15569), (176, 15647), (181, 15674), (182, 15677), (185, 15692), (196, 15743), (215, 15878), (219, 15893),

Gene: Krishelle_20 Start: 11308, Stop: 12083, Start Num: 64
Candidate Starts for Krishelle_20:
(Start: 64 @11308 has 837 MA's), (110, 11503), (138, 11608), (140, 11614), (147, 11644), (149, 11674), (151, 11683), (163, 11734), (181, 11830), (182, 11833), (194, 11884), (195, 11890), (211, 12025), (213, 12040),

Gene: Kristoff_25 Start: 15098, Stop: 15969, Start Num: 64
Candidate Starts for Kristoff_25:
(Start: 50 @15035 has 37 MA's), (Start: 64 @15098 has 837 MA's), (73, 15158), (75, 15164), (Start: 94 @15236 has 1 MA's), (115, 15308), (117, 15320), (136, 15395), (138, 15401), (140, 15407), (143, 15422), (151, 15476), (161, 15518), (181, 15623), (182, 15626), (212, 15824),

Gene: Kugel_24 Start: 15601, Stop: 16499, Start Num: 38
Candidate Starts for Kugel_24:
(Start: 38 @15601 has 21 MA's), (Start: 64 @15700 has 837 MA's), (91, 15829), (Start: 94 @15841 has 1 MA's), (117, 15931), (147, 16048),

Gene: KyMonks1A_25 Start: 15866, Stop: 16665, Start Num: 64
Candidate Starts for KyMonks1A_25:
(Start: 38 @15767 has 21 MA's), (Start: 64 @15866 has 837 MA's), (91, 15995), (Start: 94 @16007 has 1 MA's), (117, 16097), (147, 16214),

Gene: Kyee_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for Kyee_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831),

(219, 15846),

Gene: Kykar_21 Start: 15136, Stop: 15935, Start Num: 63
Candidate Starts for Kykar_21:
(Start: 38 @15037 has 21 MA's), (Start: 63 @15136 has 5 MA's), (86, 15247), (Start: 94 @15277 has 1 MA's), (117, 15367),

Gene: L5_25 Start: 14987, Stop: 15804, Start Num: 64
Candidate Starts for L5_25:
(Start: 64 @14987 has 837 MA's), (80, 15071), (Start: 94 @15125 has 1 MA's), (Start: 97 @15134 has 1 MA's), (107, 15188), (132, 15278), (181, 15542), (182, 15545), (200, 15644), (225, 15794),

Gene: LBerry_26 Start: 15183, Stop: 15979, Start Num: 61
Candidate Starts for LBerry_26:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: LHTSCC_25 Start: 15409, Stop: 16277, Start Num: 64
Candidate Starts for LHTSCC_25:
(Start: 64 @15409 has 837 MA's), (75, 15475), (83, 15502), (115, 15622), (138, 15715), (140, 15721), (161, 15832), (176, 15910), (181, 15937), (182, 15940), (185, 15955), (196, 16006), (215, 16141), (219, 16156),

Gene: LadyBird_25 Start: 15774, Stop: 16603, Start Num: 64
Candidate Starts for LadyBird_25:
(24, 15669), (Start: 50 @15711 has 37 MA's), (Start: 64 @15774 has 837 MA's), (68, 15801), (74, 15837), (108, 15987), (118, 16029), (129, 16065), (132, 16074), (140, 16122), (143, 16137), (167, 16257), (182, 16341), (225, 16593),

Gene: Lambert1_25 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Lambert1_25:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Lamina13_23 Start: 15146, Stop: 15945, Start Num: 64
Candidate Starts for Lamina13_23:
(Start: 64 @15146 has 837 MA's), (75, 15215), (82, 15239), (85, 15254), (86, 15257), (91, 15275), (129, 15425),

Gene: Landor_26 Start: 17551, Stop: 18359, Start Num: 64
Candidate Starts for Landor_26:
(3, 17284), (8, 17335), (Start: 25 @17449 has 2 MA's), (Start: 64 @17551 has 837 MA's), (85, 17656), (140, 17890), (141, 17893), (161, 18001), (225, 18352),

Gene: Lannister_18 Start: 10954, Stop: 11666, Start Num: 64
Candidate Starts for Lannister_18:
(Start: 64 @10954 has 837 MA's), (132, 11203), (147, 11263), (162, 11350), (186, 11473),

Gene: LappelDuVide_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for LappelDuVide_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827),

(219, 15842),

Gene: Larenn_26 Start: 16075, Stop: 16904, Start Num: 64
Candidate Starts for Larenn_26:
(5, 15832), (8, 15859), (24, 15970), (Start: 64 @16075 has 837 MA's), (68, 16102), (80, 16159), (Start: 94 @16213 has 1 MA's), (100, 16234), (118, 16327), (128, 16360), (140, 16420), (143, 16435), (167, 16555), (177, 16612), (181, 16636), (182, 16639), (225, 16894),

Gene: LarryKay_26 Start: 15269, Stop: 16065, Start Num: 61
Candidate Starts for LarryKay_26:
(Start: 50 @15206 has 37 MA's), (Start: 61 @15269 has 92 MA's), (83, 15362), (85, 15374), (Start: 94 @15407 has 1 MA's), (98, 15419), (112, 15494), (115, 15503), (118, 15524), (128, 15566), (136, 15596), (143, 15623), (149, 15668), (218, 16031),

Gene: LastResort_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for LastResort_27:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Legacy_17 Start: 10921, Stop: 11636, Start Num: 64
Candidate Starts for Legacy_17:
(Start: 64 @10921 has 837 MA's), (132, 11170), (147, 11230), (162, 11317),

Gene: Lemur_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Lemur_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Leogania_27 Start: 17943, Stop: 18775, Start Num: 64
Candidate Starts for Leogania_27:
(Start: 64 @17943 has 837 MA's), (74, 18006), (80, 18027), (Start: 94 @18081 has 1 MA's), (108, 18156), (118, 18198), (128, 18231), (140, 18291), (143, 18306), (167, 18426), (173, 18462), (181, 18507), (225, 18765),

Gene: Lesedi_21 Start: 15304, Stop: 16103, Start Num: 64
Candidate Starts for Lesedi_21:
(Start: 38 @15205 has 21 MA's), (Start: 64 @15304 has 837 MA's), (75, 15373), (82, 15397), (85, 15412), (86, 15415), (91, 15433), (129, 15583), (182, 15841),

Gene: Lev2_21 Start: 14264, Stop: 15057, Start Num: 64
Candidate Starts for Lev2_21:
(Start: 64 @14264 has 837 MA's), (73, 14321), (75, 14327), (88, 14375), (Start: 94 @14399 has 1 MA's), (100, 14420), (102, 14429), (107, 14456), (114, 14477), (117, 14492), (122, 14513), (126, 14525), (143, 14597), (148, 14624), (158, 14681), (163, 14702), (165, 14711),

Gene: Levia_22 Start: 16315, Stop: 17114, Start Num: 64
Candidate Starts for Levia_22:
(Start: 64 @16315 has 837 MA's), (75, 16384), (82, 16408), (85, 16423), (86, 16426), (91, 16444), (129, 16594), (147, 16663), (186, 16876),

Gene: Leviathan_27 Start: 16290, Stop: 17122, Start Num: 64
Candidate Starts for Leviathan_27:

(Start: 64 @16290 has 837 MA's), (68, 16317), (74, 16353), (80, 16374), (108, 16503), (118, 16545), (128, 16578), (140, 16638), (143, 16653), (167, 16773), (182, 16857), (225, 17112),

Gene: Leviticus_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Leviticus_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: Licorice_25 Start: 16441, Stop: 17354, Start Num: 25
Candidate Starts for Licorice_25:
(Start: 25 @16441 has 2 MA's), (Start: 38 @16456 has 21 MA's), (Start: 64 @16555 has 837 MA's), (75, 16624), (82, 16648), (85, 16663), (86, 16666), (129, 16834),

Gene: Lika_17 Start: 10952, Stop: 11667, Start Num: 64
Candidate Starts for Lika_17:
(Start: 64 @10952 has 837 MA's), (132, 11201), (147, 11261), (162, 11348),

Gene: LilBib_24 Start: 16388, Stop: 17190, Start Num: 64
Candidate Starts for LilBib_24:
(Start: 38 @16286 has 21 MA's), (Start: 64 @16388 has 837 MA's), (85, 16496), (99, 16547), (102, 16559), (106, 16592), (118, 16637), (140, 16715), (143, 16730), (147, 16745), (149, 16775), (186, 16955),

Gene: LilTurb_27 Start: 16293, Stop: 17125, Start Num: 64
Candidate Starts for LilTurb_27:
(Start: 64 @16293 has 837 MA's), (68, 16320), (74, 16356), (80, 16377), (108, 16506), (118, 16548), (128, 16581), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: Lilbunny_28 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for Lilbunny_28:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469), (215, 16670), (225, 16715),

Gene: Lilith_26 Start: 15113, Stop: 15972, Start Num: 50
Candidate Starts for Lilith_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (150, 15578), (218, 15938),

Gene: Lilleskat_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for Lilleskat_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Lillie_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Lillie_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: LionsBait_26 Start: 17557, Stop: 18389, Start Num: 64
Candidate Starts for LionsBait_26:

(Start: 64 @17557 has 837 MA's), (68, 17584), (73, 17617), (80, 17641), (108, 17770), (118, 17812), (140, 17905), (143, 17920), (167, 18040), (182, 18124), (225, 18379),

Gene: LittleB_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for LittleB_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: LittleCherry_21 Start: 14447, Stop: 15240, Start Num: 64
Candidate Starts for LittleCherry_21:
(Start: 64 @14447 has 837 MA's), (71, 14486), (73, 14504), (88, 14558), (Start: 94 @14582 has 1 MA's), (100, 14603), (102, 14612), (107, 14639), (114, 14660), (117, 14675), (122, 14696), (126, 14708), (134, 14747), (143, 14780), (148, 14807), (158, 14864), (163, 14885), (165, 14894),

Gene: LittleGuy_24 Start: 15041, Stop: 15909, Start Num: 64
Candidate Starts for LittleGuy_24:
(Start: 64 @15041 has 837 MA's), (75, 15107), (83, 15134), (115, 15254), (138, 15347), (140, 15353), (161, 15464), (176, 15542), (181, 15569), (182, 15572), (185, 15587), (196, 15638), (215, 15773), (219, 15788),

Gene: LochMonster_24 Start: 15073, Stop: 15941, Start Num: 64
Candidate Starts for LochMonster_24:
(Start: 64 @15073 has 837 MA's), (75, 15139), (83, 15166), (115, 15286), (138, 15379), (140, 15385), (161, 15496), (176, 15574), (181, 15601), (182, 15604), (185, 15619), (196, 15670), (215, 15805), (219, 15820),

Gene: Lockley_23 Start: 15381, Stop: 16279, Start Num: 38
Candidate Starts for Lockley_23:
(Start: 38 @15381 has 21 MA's), (Start: 64 @15480 has 837 MA's), (91, 15609), (Start: 94 @15621 has 1 MA's), (147, 15828),

Gene: Lokk_28 Start: 17449, Stop: 18278, Start Num: 64
Candidate Starts for Lokk_28:
(Start: 64 @17449 has 837 MA's), (74, 17512), (80, 17533), (Start: 94 @17587 has 1 MA's), (107, 17656), (118, 17701), (128, 17734), (140, 17794), (143, 17809), (181, 18010), (182, 18013), (225, 18268),

Gene: LoneWolf_26 Start: 16414, Stop: 17240, Start Num: 64
Candidate Starts for LoneWolf_26:
(Start: 64 @16414 has 837 MA's), (77, 16486), (88, 16525), (Start: 94 @16549 has 1 MA's), (109, 16627), (112, 16636), (134, 16732), (140, 16750), (143, 16765), (154, 16834), (182, 16969), (219, 17185),

Gene: Loofah_18 Start: 10918, Stop: 11651, Start Num: 64
Candidate Starts for Loofah_18:
(48, 10840), (58, 10900), (Start: 64 @10918 has 837 MA's), (100, 11074), (112, 11089), (120, 11122), (124, 11143), (132, 11170), (147, 11230),

Gene: Looper_28 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for Looper_28:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Lopton_24 Start: 16805, Stop: 17703, Start Num: 38
Candidate Starts for Lopton_24:
(Start: 38 @16805 has 21 MA's), (Start: 64 @16904 has 837 MA's), (91, 17033), (Start: 94 @17045 has 1 MA's), (117, 17135), (147, 17252),

Gene: Lorelei_17 Start: 10924, Stop: 11636, Start Num: 64
Candidate Starts for Lorelei_17:
(Start: 64 @10924 has 837 MA's), (100, 11077), (132, 11173), (186, 11443),

Gene: Lorenzo_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Lorenzo_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Loser_28 Start: 17580, Stop: 18409, Start Num: 64
Candidate Starts for Loser_28:
(Start: 64 @17580 has 837 MA's), (80, 17664), (82, 17670), (Start: 94 @17718 has 1 MA's), (100, 17739), (118, 17832), (140, 17925), (143, 17940), (163, 18045), (181, 18141), (182, 18144), (212, 18336), (225, 18399),

Gene: Louie6_26 Start: 15207, Stop: 16066, Start Num: 50
Candidate Starts for Louie6_26:
(Start: 50 @15207 has 37 MA's), (Start: 61 @15270 has 92 MA's), (83, 15363), (85, 15375), (Start: 94 @15408 has 1 MA's), (98, 15420), (112, 15495), (115, 15504), (118, 15525), (128, 15567), (136, 15597), (143, 15624), (149, 15669), (218, 16032),

Gene: Lowa_26 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for Lowa_26:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: Luchador_26 Start: 16146, Stop: 16960, Start Num: 64
Candidate Starts for Luchador_26:
(Start: 64 @16146 has 837 MA's), (84, 16242), (85, 16251), (140, 16488), (151, 16557), (161, 16599), (177, 16680), (182, 16707), (186, 16731), (189, 16743), (190, 16749), (196, 16773), (208, 16872), (225, 16953),

Gene: Lucivia_25 Start: 16411, Stop: 17219, Start Num: 64
Candidate Starts for Lucivia_25:
(Start: 64 @16411 has 837 MA's), (77, 16483), (82, 16501), (Start: 97 @16558 has 1 MA's), (115, 16636), (134, 16729), (161, 16858), (225, 17212),

Gene: Lucyedi_26 Start: 15972, Stop: 16780, Start Num: 64
Candidate Starts for Lucyedi_26:
(Start: 64 @15972 has 837 MA's), (75, 16038), (88, 16086), (104, 16149), (118, 16218), (140, 16308), (142, 16314), (147, 16338), (177, 16500), (186, 16551), (225, 16773),

Gene: LugYA_28 Start: 15183, Stop: 15979, Start Num: 61
Candidate Starts for LugYA_28:

(Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: LunarLander_23 Start: 15260, Stop: 16053, Start Num: 64
Candidate Starts for LunarLander_23:
(Start: 64 @15260 has 837 MA's), (75, 15329), (86, 15371), (95, 15404), (134, 15554), (139, 15569), (140, 15572), (141, 15575),

Gene: Lunsford_25 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Lunsford_25:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: MA5_24 Start: 14248, Stop: 15110, Start Num: 50
Candidate Starts for MA5_24:
(Start: 50 @14248 has 37 MA's), (Start: 61 @14314 has 92 MA's), (83, 14407), (100, 14473), (103, 14482), (107, 14509), (118, 14554), (140, 14638), (143, 14653), (149, 14698), (153, 14713), (181, 14854), (182, 14857), (213, 15049),

Gene: MK4_24 Start: 14545, Stop: 15407, Start Num: 50
Candidate Starts for MK4_24:
(Start: 50 @14545 has 37 MA's), (Start: 61 @14611 has 92 MA's), (100, 14770), (103, 14779), (107, 14806), (118, 14851), (136, 14923), (143, 14950), (149, 14995), (153, 15010), (160, 15043), (181, 15151), (182, 15154), (185, 15169), (213, 15346),

Gene: MPlant7149_21 Start: 15114, Stop: 15913, Start Num: 64
Candidate Starts for MPlant7149_21:
(Start: 38 @15015 has 21 MA's), (Start: 64 @15114 has 837 MA's), (91, 15243), (Start: 94 @15255 has 1 MA's), (117, 15345), (147, 15462),

Gene: MaCh_25 Start: 16353, Stop: 17161, Start Num: 64
Candidate Starts for MaCh_25:
(Start: 64 @16353 has 837 MA's), (77, 16425), (82, 16443), (Start: 97 @16500 has 1 MA's), (115, 16578), (121, 16608), (134, 16671), (161, 16800), (182, 16908), (225, 17154),

Gene: Mabel_25 Start: 16414, Stop: 17222, Start Num: 64
Candidate Starts for Mabel_25:
(Start: 64 @16414 has 837 MA's), (77, 16486), (82, 16504), (Start: 97 @16561 has 1 MA's), (115, 16639), (134, 16732), (161, 16861), (225, 17215),

Gene: MadMarie_26 Start: 15185, Stop: 15981, Start Num: 61
Candidate Starts for MadMarie_26:
(Start: 50 @15122 has 37 MA's), (Start: 61 @15185 has 92 MA's), (83, 15278), (85, 15290), (Start: 94 @15323 has 1 MA's), (98, 15335), (112, 15410), (115, 15419), (118, 15440), (128, 15482), (136, 15512), (143, 15539), (149, 15584), (218, 15947),

Gene: Magnar_23 Start: 15261, Stop: 16060, Start Num: 64
Candidate Starts for Magnar_23:
(Start: 38 @15162 has 21 MA's), (Start: 64 @15261 has 837 MA's), (91, 15390), (Start: 94 @15402 has 1 MA's), (117, 15492), (147, 15609), (186, 15822),

Gene: Magnito_22 Start: 14926, Stop: 15824, Start Num: 38
Candidate Starts for Magnito_22:
(Start: 38 @14926 has 21 MA's), (Start: 64 @15025 has 837 MA's), (75, 15094), (82, 15118), (85, 15133), (86, 15136), (91, 15154), (129, 15304),

Gene: Mainiac_26 Start: 15113, Stop: 15972, Start Num: 50
Candidate Starts for Mainiac_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Makemake_23 Start: 16741, Stop: 17540, Start Num: 64
Candidate Starts for Makemake_23:
(Start: 64 @16741 has 837 MA's), (75, 16810), (82, 16834), (85, 16849), (86, 16852), (91, 16870), (129, 17020), (147, 17089), (186, 17302),

Gene: Malec_26 Start: 16080, Stop: 16909, Start Num: 64
Candidate Starts for Malec_26:
(5, 15837), (8, 15864), (24, 15975), (Start: 64 @16080 has 837 MA's), (68, 16107), (80, 16164), (Start: 94 @16218 has 1 MA's), (100, 16239), (118, 16332), (128, 16365), (140, 16425), (143, 16440), (167, 16560), (177, 16617), (181, 16641), (182, 16644), (225, 16899),

Gene: Malinsilva_28 Start: 15112, Stop: 15971, Start Num: 50
Candidate Starts for Malinsilva_28:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: Maminiaina_26 Start: 16344, Stop: 17191, Start Num: 64
Candidate Starts for Maminiaina_26:
(Start: 64 @16344 has 837 MA's), (75, 16410), (77, 16416), (88, 16455), (109, 16557), (112, 16566), (134, 16662), (140, 16680), (143, 16695), (154, 16764), (182, 16899), (185, 16914), (199, 16989), (219, 17115),

Gene: Manatee_24 Start: 15764, Stop: 16563, Start Num: 64
Candidate Starts for Manatee_24:
(56, 15731), (Start: 64 @15764 has 837 MA's), (75, 15833), (82, 15857), (85, 15872), (86, 15875), (91, 15893), (129, 16043), (147, 16112), (186, 16325),

Gene: Maneekul_17 Start: 10929, Stop: 11638, Start Num: 64
Candidate Starts for Maneekul_17:
(Start: 64 @10929 has 837 MA's), (132, 11178), (162, 11325),

Gene: Manu_27 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Manu_27:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: MarQuardt_26 Start: 15121, Stop: 15980, Start Num: 50
Candidate Starts for MarQuardt_26:
(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136,

15511), (143, 15538), (149, 15583), (218, 15946),

Gene: Marav_20 Start: 11753, Stop: 12495, Start Num: 64
Candidate Starts for Marav_20:
(59, 11735), (Start: 64 @11753 has 837 MA's), (100, 11909), (132, 12005), (147, 12065), (173, 12203),

Gene: Marcell_23 Start: 15675, Stop: 16573, Start Num: 38
Candidate Starts for Marcell_23:
(Start: 38 @15675 has 21 MA's), (Start: 64 @15774 has 837 MA's), (91, 15903), (Start: 94 @15915 has 1 MA's), (95, 15918), (117, 16005), (147, 16122),

Gene: Marchy_22 Start: 15090, Stop: 15889, Start Num: 64
Candidate Starts for Marchy_22:
(29, 14982), (Start: 33 @14988 has 1 MA's), (45, 15003), (Start: 64 @15090 has 837 MA's), (75, 15159), (82, 15183), (85, 15198), (86, 15201), (129, 15369),

Gene: Marco3_23 Start: 15749, Stop: 16554, Start Num: 64
Candidate Starts for Marco3_23:
(Start: 38 @15650 has 21 MA's), (Start: 64 @15749 has 837 MA's), (85, 15857), (99, 15908), (102, 15920), (106, 15953), (118, 15998), (127, 16031), (140, 16076), (143, 16091), (147, 16106), (149, 16136),

Gene: Marge_24 Start: 16000, Stop: 16793, Start Num: 64
Candidate Starts for Marge_24:
(Start: 38 @15901 has 21 MA's), (Start: 64 @16000 has 837 MA's), (75, 16069), (86, 16111), (95, 16144), (134, 16294), (139, 16309), (140, 16312), (141, 16315), (147, 16342),

Gene: Margo_25 Start: 15273, Stop: 16069, Start Num: 61
Candidate Starts for Margo_25:
(40, 15189), (Start: 61 @15273 has 92 MA's), (83, 15366), (100, 15432), (103, 15441), (107, 15468), (118, 15513), (132, 15567), (136, 15585), (143, 15612), (185, 15831), (213, 16008),

Gene: Marie_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for Marie_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: Marius_27 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Marius_27:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Maroc7_22 Start: 15287, Stop: 16086, Start Num: 64
Candidate Starts for Maroc7_22:
(Start: 64 @15287 has 837 MA's), (75, 15356), (82, 15380), (85, 15395), (86, 15398), (91, 15416), (129, 15566),

Gene: Marsha_23 Start: 16042, Stop: 16844, Start Num: 64
Candidate Starts for Marsha_23:
(Start: 38 @15943 has 21 MA's), (Start: 64 @16042 has 837 MA's), (85, 16150), (99, 16201), (102, 16213), (106, 16246), (118, 16291), (140, 16369), (143, 16384), (147, 16399), (149, 16429),

Gene: MaryBeth_23 Start: 15695, Stop: 16494, Start Num: 64
Candidate Starts for MaryBeth_23:
(Start: 64 @15695 has 837 MA's), (75, 15764), (82, 15788), (85, 15803), (86, 15806), (129, 15974),

Gene: MarysWell_20 Start: 14415, Stop: 15208, Start Num: 64
Candidate Starts for MarysWell_20:
(Start: 39 @14325 has 3 MA's), (Start: 64 @14415 has 837 MA's), (73, 14472), (88, 14526), (Start: 94 @14550 has 1 MA's), (100, 14571), (102, 14580), (107, 14607), (114, 14628), (117, 14643), (122, 14664), (126, 14676), (134, 14715), (143, 14748), (148, 14775), (158, 14832), (163, 14853), (165, 14862),

Gene: Maverick_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Maverick_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Maxo_24 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for Maxo_24:
(Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: Mayonnaise_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Mayonnaise_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Mazhar510_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for Mazhar510_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: McFly_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for McFly_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: McGuire_24 Start: 15578, Stop: 16377, Start Num: 64
Candidate Starts for McGuire_24:
(29, 15473), (Start: 33 @15479 has 1 MA's), (Start: 64 @15578 has 837 MA's), (Start: 94 @15719 has 1 MA's), (117, 15809),

Gene: McSinger_24 Start: 15955, Stop: 16754, Start Num: 64
Candidate Starts for McSinger_24:
(Start: 64 @15955 has 837 MA's), (75, 16024), (82, 16048), (85, 16063), (86, 16066), (91, 16084), (129, 16234), (147, 16303), (186, 16516),

Gene: Medusa_24 Start: 15099, Stop: 15967, Start Num: 64

Candidate Starts for Medusa_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: MeeZee_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for MeeZee_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Melvin_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Melvin_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: MetalQZJ_23 Start: 15695, Stop: 16494, Start Num: 64
Candidate Starts for MetalQZJ_23:
(Start: 64 @15695 has 837 MA's), (75, 15764), (82, 15788), (85, 15803), (86, 15806), (129, 15974),

Gene: Methuselah_25 Start: 15266, Stop: 16062, Start Num: 61
Candidate Starts for Methuselah_25:
(Start: 50 @15203 has 37 MA's), (Start: 61 @15266 has 92 MA's), (83, 15359), (85, 15371), (Start: 94 @15404 has 1 MA's), (98, 15416), (112, 15491), (115, 15500), (118, 15521), (128, 15563), (136, 15593), (143, 15620), (149, 15665), (218, 16028),

Gene: Micasa_21 Start: 14415, Stop: 15208, Start Num: 64
Candidate Starts for Micasa_21:
(Start: 64 @14415 has 837 MA's), (73, 14472), (88, 14526), (Start: 94 @14550 has 1 MA's), (100, 14571), (102, 14580), (107, 14607), (114, 14628), (117, 14643), (122, 14664), (126, 14676), (134, 14715), (143, 14748), (148, 14775), (158, 14832), (163, 14853), (165, 14862),

Gene: Michley_23 Start: 15440, Stop: 16239, Start Num: 64
Candidate Starts for Michley_23:
(Start: 64 @15440 has 837 MA's), (75, 15509), (82, 15533), (85, 15548), (86, 15551), (129, 15719),

Gene: Microwolf_26 Start: 15121, Stop: 15980, Start Num: 50
Candidate Starts for Microwolf_26:
(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136, 15511), (143, 15538), (149, 15583), (150, 15586), (218, 15946),

Gene: MiculUcigas_25 Start: 15853, Stop: 16682, Start Num: 64
Candidate Starts for MiculUcigas_25:
(4, 15601), (8, 15637), (24, 15748), (56, 15826), (Start: 64 @15853 has 837 MA's), (68, 15880), (80, 15937), (117, 16096), (118, 16105), (140, 16198), (143, 16213), (167, 16333), (182, 16417), (225, 16672),

Gene: Midas2_21 Start: 14325, Stop: 15208, Start Num: 39
Candidate Starts for Midas2_21:
(Start: 39 @14325 has 3 MA's), (Start: 64 @14415 has 837 MA's), (73, 14472), (88, 14526), (Start: 94 @14550 has 1 MA's), (100, 14571), (102, 14580), (107, 14607), (114, 14628), (117, 14643), (122,

14664), (126, 14676), (134, 14715), (143, 14748), (148, 14775), (158, 14832), (163, 14853), (165, 14862),

Gene: Miko_28 Start: 17419, Stop: 18248, Start Num: 64
Candidate Starts for Miko_28:
(Start: 64 @17419 has 837 MA's), (74, 17482), (80, 17503), (107, 17626), (118, 17671), (128, 17704), (140, 17764), (143, 17779), (181, 17980), (182, 17983), (225, 18238),

Gene: Milcery_21 Start: 14451, Stop: 15244, Start Num: 64
Candidate Starts for Milcery_21:
(Start: 64 @14451 has 837 MA's), (71, 14490), (73, 14508), (88, 14562), (Start: 94 @14586 has 1 MA's), (100, 14607), (102, 14616), (107, 14643), (114, 14664), (117, 14679), (122, 14700), (126, 14712), (134, 14751), (143, 14784), (148, 14811), (158, 14868), (163, 14889), (165, 14898),

Gene: MilleFeuille_22 Start: 15033, Stop: 15835, Start Num: 64
Candidate Starts for MilleFeuille_22:
(Start: 64 @15033 has 837 MA's), (85, 15141), (99, 15192), (102, 15204), (106, 15237), (118, 15282), (140, 15360), (143, 15375), (147, 15390), (149, 15420),

Gene: Millski_23 Start: 15101, Stop: 15969, Start Num: 64
Candidate Starts for Millski_23:
(Start: 64 @15101 has 837 MA's), (75, 15167), (83, 15194), (115, 15314), (138, 15407), (140, 15413), (161, 15524), (176, 15602), (181, 15629), (182, 15632), (185, 15647), (196, 15698), (215, 15833), (219, 15848),

Gene: MillySue_19 Start: 10205, Stop: 10980, Start Num: 64
Candidate Starts for MillySue_19:
(Start: 64 @10205 has 837 MA's), (78, 10280), (90, 10328), (133, 10460), (157, 10583), (161, 10598), (162, 10604), (193, 10742), (216, 10904), (229, 10964),

Gene: MinecraftSteve_28 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for MinecraftSteve_28:
(57, 15040), (Start: 64 @15070 has 837 MA's), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: Miramae_24 Start: 15041, Stop: 15909, Start Num: 64
Candidate Starts for Miramae_24:
(40, 14951), (43, 14954), (Start: 64 @15041 has 837 MA's), (75, 15107), (83, 15134), (88, 15155), (Start: 94 @15179 has 1 MA's), (115, 15254), (138, 15347), (140, 15353), (161, 15464), (176, 15542), (181, 15569), (185, 15587), (215, 15773), (219, 15788),

Gene: Misomonster_28 Start: 15266, Stop: 16062, Start Num: 61
Candidate Starts for Misomonster_28:
(Start: 50 @15203 has 37 MA's), (Start: 61 @15266 has 92 MA's), (83, 15359), (85, 15371), (Start: 94 @15404 has 1 MA's), (98, 15416), (112, 15491), (115, 15500), (118, 15521), (128, 15563), (136, 15593), (143, 15620), (149, 15665), (218, 16028),

Gene: MissWhite_25 Start: 14925, Stop: 15748, Start Num: 64
Candidate Starts for MissWhite_25:
(41, 14835), (Start: 64 @14925 has 837 MA's), (80, 15009), (Start: 94 @15063 has 1 MA's), (118, 15177), (143, 15285), (148, 15312), (167, 15405), (186, 15513), (225, 15738),

Gene: Molly_24 Start: 15317, Stop: 16116, Start Num: 64

Candidate Starts for Molly_24:
(60, 15299), (Start: 64 @15317 has 837 MA's), (91, 15446), (Start: 94 @15458 has 1 MA's), (147, 15665),

Gene: Monet_25 Start: 16811, Stop: 17610, Start Num: 64
Candidate Starts for Monet_25:
(Start: 38 @16712 has 21 MA's), (Start: 64 @16811 has 837 MA's), (75, 16880), (82, 16904), (85, 16919), (86, 16922), (129, 17090),

Gene: MoneyMay_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for MoneyMay_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: Moose_22 Start: 15552, Stop: 16351, Start Num: 64
Candidate Starts for Moose_22:
(Start: 38 @15453 has 21 MA's), (Start: 64 @15552 has 837 MA's), (75, 15621), (82, 15645), (85, 15660), (86, 15663), (129, 15831),

Gene: Morpher26_24 Start: 15098, Stop: 15978, Start Num: 64
Candidate Starts for Morpher26_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (88, 15212), (Start: 94 @15236 has 1 MA's), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (199, 15719), (215, 15830), (219, 15845),

Gene: Morrow_24 Start: 15101, Stop: 15969, Start Num: 64
Candidate Starts for Morrow_24:
(Start: 64 @15101 has 837 MA's), (75, 15167), (83, 15194), (115, 15314), (138, 15407), (140, 15413), (161, 15524), (176, 15602), (181, 15629), (182, 15632), (185, 15647), (196, 15698), (215, 15833), (219, 15848),

Gene: MrGordo_23 Start: 15253, Stop: 16052, Start Num: 64
Candidate Starts for MrGordo_23:
(Start: 64 @15253 has 837 MA's), (75, 15322), (82, 15346), (85, 15361), (86, 15364), (129, 15532),

Gene: MrSmee_15 Start: 7953, Stop: 8725, Start Num: 64
Candidate Starts for MrSmee_15:
(Start: 64 @7953 has 837 MA's), (78, 8028), (79, 8034), (90, 8076), (92, 8085), (123, 8169), (132, 8202), (136, 8220), (155, 8319), (160, 8340), (162, 8349), (207, 8607), (213, 8643), (216, 8649), (220, 8664), (229, 8709),

Gene: Mryolo_21 Start: 15302, Stop: 16101, Start Num: 64
Candidate Starts for Mryolo_21:
(Start: 38 @15203 has 21 MA's), (Start: 64 @15302 has 837 MA's), (85, 15410), (91, 15431), (Start: 94 @15443 has 1 MA's), (117, 15533), (147, 15650),

Gene: MuchMore_28 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for MuchMore_28:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: Mulciber_25 Start: 16356, Stop: 17164, Start Num: 64
Candidate Starts for Mulciber_25:
(Start: 64 @16356 has 837 MA's), (77, 16428), (82, 16446), (Start: 97 @16503 has 1 MA's), (115, 16581), (134, 16674), (161, 16803), (225, 17157),

Gene: Mule_23 Start: 15590, Stop: 16389, Start Num: 64
Candidate Starts for Mule_23:
(Start: 38 @15491 has 21 MA's), (Start: 64 @15590 has 837 MA's), (91, 15719), (Start: 94 @15731 has 1 MA's), (147, 15938),

Gene: Munch_25 Start: 16362, Stop: 17170, Start Num: 64
Candidate Starts for Munch_25:
(Start: 64 @16362 has 837 MA's), (77, 16434), (82, 16452), (Start: 97 @16509 has 1 MA's), (115, 16587), (134, 16680), (161, 16809), (225, 17163),

Gene: Mundrea_24 Start: 15063, Stop: 15943, Start Num: 64
Candidate Starts for Mundrea_24:
(43, 14973), (Start: 64 @15063 has 837 MA's), (83, 15156), (88, 15177), (Start: 94 @15201 has 1 MA's), (115, 15276), (138, 15369), (140, 15375), (161, 15486), (176, 15564), (181, 15591), (182, 15594), (185, 15609), (199, 15684), (215, 15795), (219, 15810),

Gene: Museum_24 Start: 15609, Stop: 16408, Start Num: 64
Candidate Starts for Museum_24:
(Start: 38 @15510 has 21 MA's), (Start: 64 @15609 has 837 MA's), (75, 15678), (82, 15702), (85, 15717), (86, 15720), (91, 15738), (129, 15888),

Gene: MyraDee_22 Start: 13288, Stop: 14093, Start Num: 64
Candidate Starts for MyraDee_22:
(Start: 50 @13222 has 37 MA's), (Start: 64 @13288 has 837 MA's), (86, 13396), (Start: 94 @13426 has 1 MA's), (137, 13612), (140, 13621), (147, 13651), (149, 13681), (161, 13732), (168, 13759), (181, 13837), (183, 13843), (185, 13855), (221, 14083), (223, 14086),

Gene: Myxus_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for Myxus_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: NEHalo_23 Start: 15338, Stop: 16137, Start Num: 64
Candidate Starts for NEHalo_23:
(Start: 38 @15239 has 21 MA's), (Start: 64 @15338 has 837 MA's), (91, 15467), (Start: 94 @15479 has 1 MA's), (147, 15686),

Gene: NaSiaTalie_25 Start: 15851, Stop: 16680, Start Num: 64
Candidate Starts for NaSiaTalie_25:
(56, 15824), (Start: 64 @15851 has 837 MA's), (68, 15878), (80, 15935), (117, 16094), (118, 16103), (140, 16196), (143, 16211), (167, 16331), (182, 16415), (225, 16670),

Gene: Nabi_17 Start: 10924, Stop: 11636, Start Num: 64
Candidate Starts for Nabi_17:
(Start: 64 @10924 has 837 MA's), (100, 11077), (132, 11173), (186, 11443),

Gene: Naca_21 Start: 14284, Stop: 15167, Start Num: 39
Candidate Starts for Naca_21:

(Start: 39 @14284 has 3 MA's), (53, 14344), (Start: 64 @14374 has 837 MA's), (88, 14485), (Start: 94 @14509 has 1 MA's), (100, 14530), (102, 14539), (107, 14566), (117, 14602), (126, 14635), (140, 14692), (143, 14707), (148, 14734), (163, 14812), (165, 14821),

Gene: Naiad_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Naiad_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Naira_24 Start: 17090, Stop: 17883, Start Num: 64
Candidate Starts for Naira_24:
(Start: 38 @16991 has 21 MA's), (Start: 64 @17090 has 837 MA's), (75, 17159), (86, 17201), (95, 17234), (134, 17384), (139, 17399), (140, 17402), (141, 17405),

Gene: Naji_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for Naji_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (167, 16175), (182, 16259), (186, 16283), (206, 16415), (225, 16508),

Gene: Nancinator_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Nancinator_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Nandita_18 Start: 10191, Stop: 10963, Start Num: 64
Candidate Starts for Nandita_18:
(Start: 64 @10191 has 837 MA's), (78, 10266), (79, 10272), (84, 10287), (90, 10314), (131, 10437), (165, 10599), (175, 10638), (182, 10680), (199, 10764), (201, 10779), (216, 10887), (229, 10947),

Gene: Nanodon_19 Start: 11129, Stop: 11844, Start Num: 64
Candidate Starts for Nanodon_19:
(Start: 64 @11129 has 837 MA's), (132, 11378), (147, 11438), (162, 11525),

Gene: Natosaleda_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Natosaleda_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: NearlyHeadless_21 Start: 13769, Stop: 14571, Start Num: 64
Candidate Starts for NearlyHeadless_21:
(Start: 64 @13769 has 837 MA's), (73, 13829), (77, 13841), (99, 13925), (100, 13928), (107, 13964), (115, 13988), (138, 14084), (170, 14237), (180, 14294), (181, 14306), (189, 14345), (206, 14462), (212, 14501), (225, 14564),

Gene: Nebs_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Nebs_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Nebulosus_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for Nebulosus_27:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Nedarya_26 Start: 15606, Stop: 16507, Start Num: 61
Candidate Starts for Nedarya_26:
(Start: 61 @15606 has 92 MA's), (81, 15690), (Start: 94 @15741 has 1 MA's), (115, 15816), (133, 15903), (138, 15921), (146, 15951), (147, 15957), (212, 16347), (221, 16404), (226, 16413), (231, 16467),

Gene: Neeharika16_28 Start: 15915, Stop: 16735, Start Num: 64
Candidate Starts for Neeharika16_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (114, 16143), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: Nemo27_24 Start: 15097, Stop: 15965, Start Num: 64
Candidate Starts for Nemo27_24:
(Start: 64 @15097 has 837 MA's), (75, 15163), (83, 15190), (115, 15310), (138, 15403), (140, 15409), (161, 15520), (176, 15598), (181, 15625), (182, 15628), (185, 15643), (196, 15694), (215, 15829), (219, 15844),

Gene: Nerdos_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Nerdos_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: Nerujay_24 Start: 16006, Stop: 16805, Start Num: 64
Candidate Starts for Nerujay_24:
(Start: 64 @16006 has 837 MA's), (86, 16117), (115, 16225), (117, 16237), (134, 16306),

Gene: Newrala_27 Start: 15915, Stop: 16735, Start Num: 64
Candidate Starts for Newrala_27:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (114, 16143), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: Nhonho_23 Start: 15759, Stop: 16558, Start Num: 64
Candidate Starts for Nhonho_23:
(Start: 64 @15759 has 837 MA's), (86, 15870), (101, 15927), (115, 15978), (117, 15990), (134, 16059),

Gene: NicoleTera_29 Start: 17616, Stop: 18445, Start Num: 64
Candidate Starts for NicoleTera_29:
(Start: 25 @17514 has 2 MA's), (Start: 64 @17616 has 837 MA's), (68, 17643), (74, 17679), (Start: 94 @17754 has 1 MA's), (118, 17868), (128, 17901), (136, 17949), (140, 17961), (143, 17976), (182, 18180), (225, 18435),

Gene: Nishikigoi_17 Start: 10836, Stop: 11566, Start Num: 64
Candidate Starts for Nishikigoi_17:
(18, 10698), (Start: 64 @10836 has 837 MA's), (95, 10974), (116, 11022), (122, 11046), (147, 11148), (153, 11193), (184, 11340),

Gene: Niza_25 Start: 16610, Stop: 17409, Start Num: 64

Candidate Starts for Niza_25:
(Start: 64 @16610 has 837 MA's), (75, 16679), (82, 16703), (85, 16718), (86, 16721), (129, 16889),

Gene: Noella_25 Start: 15248, Stop: 16044, Start Num: 61
Candidate Starts for Noella_25:
(40, 15164), (Start: 61 @15248 has 92 MA's), (83, 15341), (100, 15407), (103, 15416), (107, 15443), (118, 15488), (132, 15542), (136, 15560), (143, 15587), (185, 15806), (213, 15983),

Gene: Noelle_24 Start: 15151, Stop: 16019, Start Num: 64
Candidate Starts for Noelle_24:
(28, 15043), (Start: 50 @15082 has 37 MA's), (Start: 64 @15151 has 837 MA's), (75, 15217), (83, 15244), (85, 15256), (88, 15265), (Start: 94 @15289 has 1 MA's), (115, 15364), (138, 15457), (140, 15463), (161, 15574), (176, 15652), (181, 15679), (182, 15682), (185, 15697), (196, 15748), (215, 15883), (219, 15898),

Gene: Norbert_24 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Norbert_24:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Norz_25 Start: 16261, Stop: 17054, Start Num: 64
Candidate Starts for Norz_25:
(Start: 38 @16162 has 21 MA's), (Start: 64 @16261 has 837 MA's), (75, 16330), (86, 16372), (95, 16405), (134, 16555), (139, 16570), (140, 16573), (141, 16576),

Gene: NotAPhaseMom_24 Start: 15102, Stop: 15970, Start Num: 64
Candidate Starts for NotAPhaseMom_24:
(Start: 64 @15102 has 837 MA's), (75, 15168), (83, 15195), (115, 15315), (138, 15408), (140, 15414), (161, 15525), (176, 15603), (181, 15630), (182, 15633), (185, 15648), (196, 15699), (215, 15834), (219, 15849),

Gene: NothingSpecial_27 Start: 17823, Stop: 18646, Start Num: 64
Candidate Starts for NothingSpecial_27:
(Start: 64 @17823 has 837 MA's), (80, 17907), (Start: 94 @17961 has 1 MA's), (108, 18033), (118, 18075), (128, 18108), (132, 18120), (140, 18168), (143, 18183), (173, 18339), (178, 18363), (182, 18387), (225, 18636),

Gene: Noxious_25 Start: 16576, Stop: 17375, Start Num: 64
Candidate Starts for Noxious_25:
(Start: 38 @16477 has 21 MA's), (Start: 64 @16576 has 837 MA's), (75, 16645), (82, 16669), (85, 16684), (86, 16687), (129, 16855),

Gene: Nyxis_24 Start: 15041, Stop: 15909, Start Num: 64
Candidate Starts for Nyxis_24:
(Start: 64 @15041 has 837 MA's), (75, 15107), (83, 15134), (115, 15254), (138, 15347), (140, 15353), (161, 15464), (176, 15542), (181, 15569), (182, 15572), (185, 15587), (196, 15638), (215, 15773), (219, 15788),

Gene: OKCentral2016_24 Start: 14610, Stop: 15478, Start Num: 64
Candidate Starts for OKCentral2016_24:
(Start: 64 @14610 has 837 MA's), (73, 14670), (75, 14676), (82, 14700), (Start: 94 @14748 has 1 MA's), (115, 14820), (117, 14832), (138, 14913), (161, 15030), (181, 15135), (182, 15138), (212, 15333),

Gene: OKaNui_25 Start: 15151, Stop: 16019, Start Num: 64
Candidate Starts for OKaNui_25:
(Start: 64 @15151 has 837 MA's), (75, 15217), (83, 15244), (115, 15364), (138, 15457), (140, 15463), (161, 15574), (176, 15652), (181, 15679), (185, 15697), (196, 15748), (215, 15883), (219, 15898),

Gene: Obama12_25 Start: 15411, Stop: 16279, Start Num: 64
Candidate Starts for Obama12_25:
(Start: 64 @15411 has 837 MA's), (75, 15477), (83, 15504), (115, 15624), (138, 15717), (140, 15723), (161, 15834), (176, 15912), (181, 15939), (182, 15942), (185, 15957), (196, 16008), (215, 16143), (219, 16158),

Gene: Odin_24 Start: 14584, Stop: 15410, Start Num: 64
Candidate Starts for Odin_24:
(Start: 64 @14584 has 837 MA's), (80, 14668), (84, 14680), (Start: 94 @14722 has 1 MA's), (Start: 97 @14731 has 1 MA's), (108, 14794), (155, 15016), (167, 15064), (182, 15148), (190, 15190), (225, 15403),

Gene: Ohfah_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Ohfah_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Ohno789_23 Start: 15408, Stop: 16207, Start Num: 64
Candidate Starts for Ohno789_23:
(Start: 38 @15309 has 21 MA's), (Start: 64 @15408 has 837 MA's), (75, 15477), (82, 15501), (85, 15516), (86, 15519), (129, 15687),

Gene: OlanP_25 Start: 15441, Stop: 16237, Start Num: 61
Candidate Starts for OlanP_25:
(Start: 61 @15441 has 92 MA's), (83, 15534), (85, 15546), (112, 15666), (115, 15675), (118, 15696), (128, 15738), (134, 15762), (136, 15768), (143, 15795), (149, 15840), (151, 15849), (182, 15999), (218, 16203),

Gene: Oliynyk_18 Start: 11113, Stop: 11828, Start Num: 64
Candidate Starts for Oliynyk_18:
(Start: 64 @11113 has 837 MA's), (147, 11422), (162, 11509), (186, 11632),

Gene: Ollie_26 Start: 15053, Stop: 15849, Start Num: 61
Candidate Starts for Ollie_26:
(Start: 61 @15053 has 92 MA's), (83, 15146), (85, 15158), (98, 15203), (112, 15278), (115, 15287), (118, 15308), (128, 15350), (136, 15380), (143, 15407), (149, 15452), (186, 15635), (218, 15815),

Gene: Omar_18 Start: 11069, Stop: 11796, Start Num: 64
Candidate Starts for Omar_18:
(Start: 64 @11069 has 837 MA's), (95, 11207), (116, 11255), (147, 11381), (172, 11507), (184, 11573),

Gene: Onglai_25 Start: 14948, Stop: 15795, Start Num: 64
Candidate Starts for Onglai_25:
(Start: 64 @14948 has 837 MA's), (77, 15020), (88, 15059), (109, 15161), (112, 15170), (134, 15266), (140, 15284), (143, 15299), (150, 15347), (182, 15503), (219, 15719),

Gene: Oofda_27 Start: 14919, Stop: 15823, Start Num: 64
Candidate Starts for Oofda_27:
(57, 14889), (Start: 64 @14919 has 837 MA's), (82, 15009), (133, 15219), (138, 15237), (140, 15243), (147, 15273), (161, 15354), (163, 15363), (194, 15513), (213, 15669), (221, 15717), (226, 15726),

Gene: Oogway_22 Start: 15521, Stop: 16320, Start Num: 64
Candidate Starts for Oogway_22:
(Start: 64 @15521 has 837 MA's), (91, 15650), (Start: 94 @15662 has 1 MA's), (117, 15752), (147, 15869),

Gene: Orange_25 Start: 16362, Stop: 17170, Start Num: 64
Candidate Starts for Orange_25:
(Start: 64 @16362 has 837 MA's), (77, 16434), (82, 16452), (Start: 97 @16509 has 1 MA's), (115, 16587), (134, 16680), (161, 16809), (182, 16917), (225, 17163),

Gene: Ozzie_17 Start: 10930, Stop: 11645, Start Num: 64
Candidate Starts for Ozzie_17:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: OzzyJ_18 Start: 10921, Stop: 11633, Start Num: 64
Candidate Starts for OzzyJ_18:
(Start: 64 @10921 has 837 MA's), (132, 11170), (147, 11230), (162, 11317),

Gene: P28Green_26 Start: 15184, Stop: 15980, Start Num: 61
Candidate Starts for P28Green_26:
(Start: 61 @15184 has 92 MA's), (77, 15256), (83, 15277), (85, 15289), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (134, 15505), (136, 15511), (143, 15538), (149, 15583), (159, 15628), (218, 15946),

Gene: PGHhamlin_28 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for PGHhamlin_28:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: PSullivan_25 Start: 16021, Stop: 16820, Start Num: 64
Candidate Starts for PSullivan_25:
(Start: 38 @15919 has 21 MA's), (Start: 64 @16021 has 837 MA's), (75, 16090), (82, 16114), (85, 16129), (86, 16132), (91, 16150), (129, 16300), (147, 16369),

Gene: PacerPaul_23 Start: 15831, Stop: 16630, Start Num: 64
Candidate Starts for PacerPaul_23:
(45, 15744), (Start: 64 @15831 has 837 MA's), (75, 15900), (82, 15924), (85, 15939), (86, 15942), (129, 16110),

Gene: PackMan_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for PackMan_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Paedore_17 Start: 10918, Stop: 11651, Start Num: 64
Candidate Starts for Paedore_17:

(48, 10840), (58, 10900), (Start: 64 @10918 has 837 MA's), (100, 11074), (112, 11089), (120, 11122), (124, 11143), (132, 11170), (147, 11230),

Gene: PainterBoy_26 Start: 15972, Stop: 16780, Start Num: 64
Candidate Starts for PainterBoy_26:
(Start: 64 @15972 has 837 MA's), (75, 16038), (88, 16086), (104, 16149), (118, 16218), (140, 16308), (142, 16314), (147, 16338), (177, 16500), (186, 16551), (225, 16773),

Gene: Palestino_23 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Palestino_23:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Panamaxus_24 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Panamaxus_24:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Paolo_19 Start: 11416, Stop: 12158, Start Num: 64
Candidate Starts for Paolo_19:
(59, 11398), (Start: 64 @11416 has 837 MA's), (100, 11572), (132, 11668), (147, 11728), (173, 11866),

Gene: Papez_25 Start: 17237, Stop: 18036, Start Num: 64
Candidate Starts for Papez_25:
(Start: 38 @17138 has 21 MA's), (Start: 64 @17237 has 837 MA's), (91, 17366), (Start: 94 @17378 has 1 MA's), (117, 17468), (147, 17585),

Gene: Paphu_22 Start: 14977, Stop: 15779, Start Num: 64
Candidate Starts for Paphu_22:
(Start: 38 @14875 has 21 MA's), (Start: 64 @14977 has 837 MA's), (85, 15085), (99, 15136), (102, 15148), (106, 15181), (118, 15226), (140, 15304), (143, 15319), (147, 15334), (149, 15364), (186, 15544),

Gene: Paraselene_22 Start: 15348, Stop: 16150, Start Num: 64
Candidate Starts for Paraselene_22:
(Start: 38 @15249 has 21 MA's), (Start: 64 @15348 has 837 MA's), (85, 15456), (99, 15507), (102, 15519), (106, 15552), (118, 15597), (140, 15675), (143, 15690), (147, 15705), (149, 15735), (186, 15915),

Gene: Pari_24 Start: 15753, Stop: 16552, Start Num: 64
Candidate Starts for Pari_24:
(56, 15720), (Start: 64 @15753 has 837 MA's), (75, 15822), (82, 15846), (85, 15861), (86, 15864), (91, 15882), (129, 16032), (147, 16101), (186, 16314),

Gene: Parliament_22 Start: 15639, Stop: 16438, Start Num: 64
Candidate Starts for Parliament_22:
(Start: 64 @15639 has 837 MA's), (75, 15708), (82, 15732), (85, 15747), (86, 15750), (91, 15768), (129, 15918), (147, 15987),

Gene: Partridge_20 Start: 11382, Stop: 12157, Start Num: 64
Candidate Starts for Partridge_20:

(Start: 64 @11382 has 837 MA's), (95, 11520), (Start: 97 @11526 has 1 MA's), (110, 11577), (121, 11616), (138, 11682), (140, 11688), (147, 11718), (149, 11748), (151, 11757), (163, 11808), (182, 11907), (194, 11958), (195, 11964), (211, 12099),

Gene: PascalRango_22 Start: 15196, Stop: 15989, Start Num: 64
Candidate Starts for PascalRango_22:
(Start: 64 @15196 has 837 MA's), (75, 15265), (86, 15307), (95, 15340), (134, 15490), (139, 15505), (140, 15508), (141, 15511), (182, 15727),

Gene: PattyP_25 Start: 15719, Stop: 16617, Start Num: 38
Candidate Starts for PattyP_25:
(Start: 38 @15719 has 21 MA's), (Start: 64 @15818 has 837 MA's), (75, 15887), (82, 15911), (85, 15926), (86, 15929), (91, 15947), (129, 16097),

Gene: Pavo_18 Start: 10844, Stop: 11553, Start Num: 64
Candidate Starts for Pavo_18:
(32, 10739), (36, 10745), (Start: 64 @10844 has 837 MA's), (116, 11027), (136, 11111), (162, 11240), (182, 11339), (184, 11345), (202, 11444),

Gene: Pawn_26 Start: 15261, Stop: 16057, Start Num: 61
Candidate Starts for Pawn_26:
(Start: 61 @15261 has 92 MA's), (77, 15333), (83, 15354), (85, 15366), (112, 15486), (115, 15495), (118, 15516), (128, 15558), (134, 15582), (136, 15588), (143, 15615), (149, 15660), (182, 15819), (218, 16023),

Gene: Payneful_23 Start: 15090, Stop: 15889, Start Num: 64
Candidate Starts for Payneful_23:
(29, 14982), (Start: 33 @14988 has 1 MA's), (45, 15003), (Start: 64 @15090 has 837 MA's), (75, 15159), (82, 15183), (85, 15198), (86, 15201), (129, 15369),

Gene: PeaceMeal1_23 Start: 13011, Stop: 13879, Start Num: 64
Candidate Starts for PeaceMeal1_23:
(Start: 50 @12948 has 37 MA's), (Start: 64 @13011 has 837 MA's), (73, 13071), (75, 13077), (Start: 94 @13149 has 1 MA's), (115, 13221), (118, 13242), (119, 13245), (138, 13314), (161, 13431), (181, 13536), (182, 13539), (212, 13734),

Gene: Peaches_24 Start: 15097, Stop: 15965, Start Num: 64
Candidate Starts for Peaches_24:
(Start: 64 @15097 has 837 MA's), (75, 15163), (83, 15190), (115, 15310), (138, 15403), (140, 15409), (161, 15520), (176, 15598), (181, 15625), (182, 15628), (185, 15643), (196, 15694), (215, 15829), (219, 15844),

Gene: Pelly_24 Start: 16054, Stop: 16847, Start Num: 64
Candidate Starts for Pelly_24:
(Start: 38 @15955 has 21 MA's), (Start: 64 @16054 has 837 MA's), (75, 16123), (86, 16165), (95, 16198), (134, 16348), (139, 16363), (140, 16366), (141, 16369), (186, 16609),

Gene: Pembroke_26 Start: 15184, Stop: 15980, Start Num: 61
Candidate Starts for Pembroke_26:
(Start: 50 @15121 has 37 MA's), (Start: 61 @15184 has 92 MA's), (83, 15277), (85, 15289), (Start: 94 @15322 has 1 MA's), (98, 15334), (112, 15409), (115, 15418), (118, 15439), (128, 15481), (136, 15511), (143, 15538), (149, 15583), (150, 15586), (218, 15946),

Gene: Penny1_25 Start: 15120, Stop: 15979, Start Num: 50
Candidate Starts for Penny1_25:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Pepe_24 Start: 16055, Stop: 16857, Start Num: 64
Candidate Starts for Pepe_24:
(Start: 38 @15968 has 21 MA's), (Start: 64 @16055 has 837 MA's), (85, 16163), (102, 16226), (106, 16259), (118, 16304), (140, 16382), (143, 16397), (147, 16412), (149, 16442), (171, 16535), (176, 16568), (185, 16613), (199, 16688),

Gene: Perplexer_24 Start: 15092, Stop: 15972, Start Num: 64
Candidate Starts for Perplexer_24:
(Start: 64 @15092 has 837 MA's), (75, 15158), (83, 15185), (88, 15206), (Start: 94 @15230 has 1 MA's), (115, 15305), (138, 15398), (140, 15404), (161, 15515), (176, 15593), (181, 15620), (182, 15623), (185, 15638), (199, 15713), (215, 15824), (219, 15839),

Gene: Perseus_24 Start: 15675, Stop: 16474, Start Num: 64
Candidate Starts for Perseus_24:
(51, 15612), (Start: 64 @15675 has 837 MA's), (91, 15804), (Start: 94 @15816 has 1 MA's), (117, 15906), (147, 16023),

Gene: PeterPeter_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for PeterPeter_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Petersenfast_25 Start: 16359, Stop: 17167, Start Num: 64
Candidate Starts for Petersenfast_25:
(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: Peterson_26 Start: 17264, Stop: 18057, Start Num: 64
Candidate Starts for Peterson_26:
(Start: 38 @17165 has 21 MA's), (Start: 64 @17264 has 837 MA's), (75, 17333), (86, 17375), (95, 17408), (134, 17558), (139, 17573), (140, 17576), (141, 17579), (186, 17819),

Gene: PetiteSangsue_24 Start: 15098, Stop: 15978, Start Num: 64
Candidate Starts for PetiteSangsue_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (88, 15212), (Start: 94 @15236 has 1 MA's), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (199, 15719), (215, 15830), (219, 15845),

Gene: Petp2012_25 Start: 16486, Stop: 17285, Start Num: 64
Candidate Starts for Petp2012_25:
(Start: 38 @16387 has 21 MA's), (Start: 64 @16486 has 837 MA's), (91, 16615), (Start: 94 @16627 has 1 MA's), (117, 16717), (147, 16834),

Gene: Petruchio_23 Start: 15516, Stop: 16315, Start Num: 64
Candidate Starts for Petruchio_23:

(Start: 64 @15516 has 837 MA's), (75, 15585), (82, 15609), (85, 15624), (86, 15627), (91, 15645), (129, 15795), (147, 15864),

Gene: PetterN_22 Start: 14258, Stop: 15054, Start Num: 64
Candidate Starts for PetterN_22:
(27, 14156), (Start: 50 @14195 has 37 MA's), (Start: 64 @14258 has 837 MA's), (Start: 94 @14393 has 1 MA's), (100, 14414), (107, 14450), (117, 14486), (136, 14564), (143, 14591), (147, 14606), (165, 14705), (172, 14735), (179, 14777), (182, 14795), (191, 14840), (198, 14873), (213, 15005),

Gene: Ph8s_26 Start: 14539, Stop: 15368, Start Num: 64
Candidate Starts for Ph8s_26:
(Start: 64 @14539 has 837 MA's), (80, 14623), (84, 14635), (Start: 94 @14677 has 1 MA's), (108, 14749), (140, 14884), (167, 15019), (182, 15103), (186, 15127), (204, 15253), (227, 15361),

Gene: Phacado_23 Start: 15097, Stop: 15965, Start Num: 64
Candidate Starts for Phacado_23:
(Start: 64 @15097 has 837 MA's), (75, 15163), (83, 15190), (115, 15310), (138, 15403), (140, 15409), (161, 15520), (176, 15598), (181, 15625), (182, 15628), (185, 15643), (196, 15694), (215, 15829), (219, 15844),

Gene: Phaded_28 Start: 17796, Stop: 18706, Start Num: 25
Candidate Starts for Phaded_28:
(3, 17631), (8, 17682), (Start: 25 @17796 has 2 MA's), (Start: 64 @17898 has 837 MA's), (85, 18003), (140, 18237), (141, 18240), (161, 18348), (225, 18699),

Gene: Phaeder_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for Phaeder_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: PhailMary_19 Start: 11359, Stop: 12134, Start Num: 64
Candidate Starts for PhailMary_19:
(Start: 64 @11359 has 837 MA's), (110, 11554), (138, 11659), (140, 11665), (147, 11695), (149, 11725), (151, 11734), (163, 11785), (181, 11881), (182, 11884), (194, 11935), (195, 11941), (211, 12076), (213, 12091),

Gene: Phantastic_24 Start: 14600, Stop: 15462, Start Num: 50
Candidate Starts for Phantastic_24:
(Start: 50 @14600 has 37 MA's), (Start: 61 @14666 has 92 MA's), (100, 14825), (103, 14834), (107, 14861), (118, 14906), (136, 14978), (140, 14990), (143, 15005), (149, 15050), (153, 15065), (182, 15209), (185, 15224), (186, 15233), (213, 15401),

Gene: Pharaoh_25 Start: 16375, Stop: 17198, Start Num: 64
Candidate Starts for Pharaoh_25:
(Start: 64 @16375 has 837 MA's), (77, 16447), (82, 16462), (Start: 94 @16510 has 1 MA's), (112, 16597), (134, 16693), (143, 16726), (149, 16771), (219, 17146), (222, 17176),

Gene: Phelipe_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Phelipe_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: PherrisBueller_24 Start: 15424, Stop: 16223, Start Num: 64
Candidate Starts for PherrisBueller_24:
(Start: 64 @15424 has 837 MA's), (75, 15493), (82, 15517), (85, 15532), (86, 15535), (129, 15703),

Gene: Phettuccine_17 Start: 10950, Stop: 11665, Start Num: 64
Candidate Starts for Phettuccine_17:
(Start: 64 @10950 has 837 MA's), (132, 11199), (147, 11259), (162, 11346),

Gene: Phighter1804_24 Start: 15076, Stop: 15944, Start Num: 64
Candidate Starts for Phighter1804_24:
(Start: 64 @15076 has 837 MA's), (75, 15142), (83, 15169), (115, 15289), (138, 15382), (140, 15388), (161, 15499), (176, 15577), (181, 15604), (182, 15607), (185, 15622), (196, 15673), (215, 15808), (219, 15823),

Gene: Phillis_21 Start: 13727, Stop: 14529, Start Num: 64
Candidate Starts for Phillis_21:
(Start: 64 @13727 has 837 MA's), (73, 13787), (77, 13799), (99, 13883), (100, 13886), (107, 13922), (115, 13946), (138, 14042), (170, 14195), (179, 14249), (181, 14264), (189, 14303), (206, 14420), (225, 14522),

Gene: PhineBark_22 Start: 16315, Stop: 17114, Start Num: 64
Candidate Starts for PhineBark_22:
(Start: 64 @16315 has 837 MA's), (75, 16384), (82, 16408), (85, 16423), (86, 16426), (91, 16444), (129, 16594), (147, 16663), (186, 16876),

Gene: PhishRPhriends_25 Start: 14445, Stop: 15241, Start Num: 61
Candidate Starts for PhishRPhriends_25:
(Start: 61 @14445 has 92 MA's), (77, 14517), (83, 14538), (85, 14550), (112, 14670), (115, 14679), (118, 14700), (128, 14742), (134, 14766), (136, 14772), (143, 14799), (149, 14844), (218, 15207),

Gene: Phlei_20 Start: 16633, Stop: 17438, Start Num: 64
Candidate Starts for Phlei_20:
(Start: 64 @16633 has 837 MA's), (84, 16735), (100, 16798), (118, 16879), (136, 16957), (148, 17011), (177, 17161), (184, 17194), (189, 17224), (225, 17431),

Gene: Phlorence_21 Start: 14551, Stop: 15344, Start Num: 64
Candidate Starts for Phlorence_21:
(Start: 64 @14551 has 837 MA's), (73, 14608), (75, 14614), (88, 14662), (Start: 94 @14686 has 1 MA's), (100, 14707), (102, 14716), (107, 14743), (114, 14764), (117, 14779), (122, 14800), (126, 14812), (143, 14884), (148, 14911), (158, 14968), (163, 14989), (165, 14998),

Gene: Phoebe_26 Start: 15181, Stop: 15977, Start Num: 61
Candidate Starts for Phoebe_26:
(Start: 50 @15118 has 37 MA's), (Start: 61 @15181 has 92 MA's), (83, 15274), (85, 15286), (Start: 94 @15319 has 1 MA's), (98, 15331), (112, 15406), (115, 15415), (118, 15436), (128, 15478), (136, 15508), (143, 15535), (149, 15580), (218, 15943),

Gene: Phonnegut_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Phonnegut_26:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: Phontbonne_24 Start: 15042, Stop: 15910, Start Num: 64

Candidate Starts for Phontbonne_24:
(Start: 64 @15042 has 837 MA's), (75, 15108), (83, 15135), (115, 15255), (138, 15348), (140, 15354), (161, 15465), (176, 15543), (181, 15570), (182, 15573), (185, 15588), (196, 15639), (215, 15774), (219, 15789),

Gene: Phoxy_25 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for Phoxy_25:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: Phrankenstein_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Phrankenstein_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Phranny_27 Start: 15253, Stop: 16049, Start Num: 61
Candidate Starts for Phranny_27:
(Start: 61 @15253 has 92 MA's), (77, 15325), (83, 15346), (85, 15358), (112, 15478), (115, 15487), (118, 15508), (128, 15550), (134, 15574), (136, 15580), (143, 15607), (149, 15652), (182, 15811), (218, 16015),

Gene: PickleBack_21 Start: 14265, Stop: 15058, Start Num: 64
Candidate Starts for PickleBack_21:
(Start: 64 @14265 has 837 MA's), (73, 14322), (75, 14328), (88, 14376), (Start: 94 @14400 has 1 MA's), (100, 14421), (102, 14430), (107, 14457), (114, 14478), (117, 14493), (122, 14514), (126, 14526), (143, 14598), (148, 14625), (158, 14682), (163, 14703), (165, 14712),

Gene: PinkPlastic_22 Start: 15352, Stop: 16151, Start Num: 64
Candidate Starts for PinkPlastic_22:
(Start: 38 @15253 has 21 MA's), (Start: 64 @15352 has 837 MA's), (91, 15481), (Start: 94 @15493 has 1 MA's), (117, 15583), (147, 15700),

Gene: Pinto_25 Start: 15654, Stop: 16453, Start Num: 64
Candidate Starts for Pinto_25:
(Start: 64 @15654 has 837 MA's), (75, 15723), (82, 15747), (85, 15762), (86, 15765), (129, 15933),

Gene: Pioneer_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Pioneer_26:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: Pipcraft_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Pipcraft_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Pippin_25 Start: 15922, Stop: 16721, Start Num: 64
Candidate Starts for Pippin_25:
(Start: 64 @15922 has 837 MA's), (75, 15991), (82, 16015), (85, 16030), (86, 16033), (91, 16051), (129, 16201),

Gene: Piro94_26 Start: 16312, Stop: 17141, Start Num: 64
Candidate Starts for Piro94_26:
(56, 16285), (Start: 64 @16312 has 837 MA's), (68, 16339), (80, 16396), (117, 16555), (118, 16564), (140, 16657), (143, 16672), (167, 16792), (182, 16876), (225, 17131),

Gene: Pistachio_25 Start: 14179, Stop: 15041, Start Num: 50
Candidate Starts for Pistachio_25:
(Start: 22 @14131 has 2 MA's), (Start: 50 @14179 has 37 MA's), (Start: 61 @14245 has 92 MA's), (83, 14338), (100, 14404), (103, 14413), (107, 14440), (118, 14485), (136, 14557), (140, 14569), (143, 14584), (149, 14629), (153, 14644), (160, 14677), (181, 14785), (182, 14788), (185, 14803), (186, 14812), (213, 14980),

Gene: Pita2_25 Start: 16021, Stop: 16820, Start Num: 64
Candidate Starts for Pita2_25:
(Start: 38 @15919 has 21 MA's), (Start: 64 @16021 has 837 MA's), (75, 16090), (82, 16114), (85, 16129), (86, 16132), (91, 16150), (129, 16300), (147, 16369),

Gene: Pmask_28 Start: 15916, Stop: 16736, Start Num: 64
Candidate Starts for Pmask_28:
(24, 15811), (Start: 39 @15826 has 3 MA's), (Start: 50 @15853 has 37 MA's), (Start: 64 @15916 has 837 MA's), (Start: 94 @16054 has 1 MA's), (100, 16075), (114, 16144), (116, 16156), (118, 16168), (140, 16261), (143, 16276), (178, 16456), (182, 16480), (199, 16570), (215, 16684), (225, 16729),

Gene: Pocahontas_25 Start: 15244, Stop: 16040, Start Num: 61
Candidate Starts for Pocahontas_25:
(Start: 61 @15244 has 92 MA's), (83, 15337), (100, 15403), (103, 15412), (107, 15439), (118, 15484), (132, 15538), (136, 15556), (143, 15583), (185, 15802), (186, 15811), (213, 15979),

Gene: Polymorphads_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Polymorphads_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Polyphemus_28 Start: 15917, Stop: 16734, Start Num: 64
Candidate Starts for Polyphemus_28:
(24, 15812), (Start: 39 @15827 has 3 MA's), (Start: 50 @15854 has 37 MA's), (Start: 64 @15917 has 837 MA's), (Start: 94 @16055 has 1 MA's), (100, 16076), (116, 16154), (118, 16166), (140, 16259), (143, 16274), (178, 16454), (182, 16478), (199, 16568), (215, 16682), (225, 16727),

Gene: Pomar16_28 Start: 15736, Stop: 16559, Start Num: 64
Candidate Starts for Pomar16_28:
(Start: 64 @15736 has 837 MA's), (80, 15820), (Start: 94 @15874 has 1 MA's), (108, 15946), (143, 16096), (144, 16099), (166, 16213), (167, 16216), (186, 16324), (206, 16456), (225, 16549),

Gene: Poompha_23 Start: 13009, Stop: 13877, Start Num: 64
Candidate Starts for Poompha_23:
(Start: 50 @12946 has 37 MA's), (Start: 64 @13009 has 837 MA's), (73, 13069), (75, 13075), (Start: 94 @13147 has 1 MA's), (115, 13219), (118, 13240), (119, 13243), (138, 13312), (161, 13429), (181, 13534), (182, 13537), (212, 13732),

Gene: Popcicle_25 Start: 15244, Stop: 16040, Start Num: 61

Candidate Starts for Popcicle_25:
(Start: 61 @15244 has 92 MA's), (83, 15337), (100, 15403), (103, 15412), (107, 15439), (118, 15484), (132, 15538), (136, 15556), (143, 15583), (185, 15802), (186, 15811), (213, 15979),

Gene: Popper_17 Start: 9718, Stop: 10493, Start Num: 64
Candidate Starts for Popper_17:
(Start: 64 @9718 has 837 MA's), (89, 9838), (116, 9907), (136, 9988), (155, 10087), (159, 10105), (162, 10117), (175, 10168), (182, 10210), (213, 10411),

Gene: PotatoSplit_27 Start: 15120, Stop: 15979, Start Num: 50
Candidate Starts for PotatoSplit_27:
(Start: 50 @15120 has 37 MA's), (Start: 61 @15183 has 92 MA's), (83, 15276), (85, 15288), (Start: 94 @15321 has 1 MA's), (98, 15333), (112, 15408), (115, 15417), (118, 15438), (128, 15480), (136, 15510), (143, 15537), (149, 15582), (218, 15945),

Gene: Power_25 Start: 15725, Stop: 16557, Start Num: 64
Candidate Starts for Power_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: PowerRanger_23 Start: 16206, Stop: 17008, Start Num: 64
Candidate Starts for PowerRanger_23:
(Start: 38 @16107 has 21 MA's), (Start: 64 @16206 has 837 MA's), (85, 16314), (99, 16365), (102, 16377), (106, 16410), (118, 16455), (140, 16533), (143, 16548), (147, 16563), (149, 16593),

Gene: Priamo_28 Start: 15941, Stop: 16758, Start Num: 64
Candidate Starts for Priamo_28:
(Start: 64 @15941 has 837 MA's), (Start: 94 @16079 has 1 MA's), (100, 16100), (107, 16148), (116, 16181), (118, 16193), (140, 16286), (143, 16301), (178, 16481), (180, 16490), (199, 16595), (215, 16706), (225, 16751),

Gene: Prinashe11_21 Start: 14414, Stop: 15207, Start Num: 64
Candidate Starts for Prinashe11_21:
(Start: 64 @14414 has 837 MA's), (71, 14453), (73, 14471), (88, 14525), (Start: 94 @14549 has 1 MA's), (100, 14570), (102, 14579), (107, 14606), (114, 14627), (117, 14642), (122, 14663), (126, 14675), (134, 14714), (143, 14747), (148, 14774), (158, 14831), (163, 14852), (165, 14861),

Gene: Priya_26 Start: 16645, Stop: 17492, Start Num: 64
Candidate Starts for Priya_26:
(Start: 64 @16645 has 837 MA's), (77, 16717), (88, 16756), (109, 16858), (112, 16867), (134, 16963), (140, 16981), (143, 16996), (150, 17044), (182, 17200), (215, 17401), (219, 17416),

Gene: ProMouse_24 Start: 16041, Stop: 16840, Start Num: 64
Candidate Starts for ProMouse_24:
(16, 15894), (56, 16008), (Start: 64 @16041 has 837 MA's), (75, 16110), (82, 16134), (85, 16149), (86, 16152), (129, 16320),

Gene: Provolone_18 Start: 10574, Stop: 11283, Start Num: 64
Candidate Starts for Provolone_18:
(32, 10469), (36, 10475), (Start: 64 @10574 has 837 MA's), (116, 10757), (136, 10841), (162, 10970), (182, 11069), (184, 11075), (202, 11174),

Gene: Prudy_28 Start: 17614, Stop: 18446, Start Num: 64

Candidate Starts for Prudy_28:
(Start: 64 @17614 has 837 MA's), (80, 17701), (Start: 94 @17755 has 1 MA's), (100, 17776), (117, 17860), (118, 17869), (140, 17962), (143, 17977), (182, 18181), (215, 18385), (225, 18436),

Gene: Puginator_19 Start: 11374, Stop: 12116, Start Num: 64
Candidate Starts for Puginator_19:
(59, 11356), (Start: 64 @11374 has 837 MA's), (100, 11530), (147, 11686), (173, 11824),

Gene: Pukovnik_27 Start: 17453, Stop: 18261, Start Num: 64
Candidate Starts for Pukovnik_27:
(3, 17186), (8, 17237), (Start: 25 @17351 has 2 MA's), (Start: 64 @17453 has 837 MA's), (85, 17558), (140, 17792), (141, 17795), (151, 17861), (161, 17903), (190, 18053), (225, 18254),

Gene: Pumbaa_24 Start: 15073, Stop: 15941, Start Num: 64
Candidate Starts for Pumbaa_24:
(Start: 64 @15073 has 837 MA's), (75, 15139), (83, 15166), (115, 15286), (138, 15379), (140, 15385), (161, 15496), (176, 15574), (181, 15601), (182, 15604), (185, 15619), (196, 15670), (215, 15805), (219, 15820),

Gene: Puppet_23 Start: 15591, Stop: 16390, Start Num: 64
Candidate Starts for Puppet_23:
(Start: 64 @15591 has 837 MA's), (91, 15720), (Start: 94 @15732 has 1 MA's), (117, 15822), (147, 15939),

Gene: Puppy_25 Start: 14251, Stop: 15113, Start Num: 50
Candidate Starts for Puppy_25:
(Start: 22 @14203 has 2 MA's), (Start: 50 @14251 has 37 MA's), (Start: 61 @14317 has 92 MA's), (83, 14410), (100, 14476), (103, 14485), (107, 14512), (118, 14557), (136, 14629), (140, 14641), (143, 14656), (149, 14701), (153, 14716), (160, 14749), (181, 14857), (182, 14860), (185, 14875), (186, 14884), (213, 15052),

Gene: PurpleHaze_26 Start: 15260, Stop: 16056, Start Num: 61
Candidate Starts for PurpleHaze_26:
(Start: 61 @15260 has 92 MA's), (77, 15332), (83, 15353), (85, 15365), (112, 15485), (115, 15494), (118, 15515), (128, 15557), (134, 15581), (136, 15587), (143, 15614), (149, 15659), (182, 15818), (218, 16022),

Gene: QTRlifeCrisis_23 Start: 15995, Stop: 16788, Start Num: 64
Candidate Starts for QTRlifeCrisis_23:
(Start: 38 @15896 has 21 MA's), (Start: 64 @15995 has 837 MA's), (75, 16064), (86, 16106), (95, 16139), (134, 16289), (139, 16304), (140, 16307), (141, 16310),

Gene: Qobbit_26 Start: 16644, Stop: 17491, Start Num: 64
Candidate Starts for Qobbit_26:
(Start: 64 @16644 has 837 MA's), (77, 16716), (88, 16755), (109, 16857), (112, 16866), (134, 16962), (140, 16980), (143, 16995), (150, 17043), (182, 17199), (219, 17415),

Gene: QueenB2_25 Start: 15843, Stop: 16675, Start Num: 64
Candidate Starts for QueenB2_25:
(34, 15750), (Start: 64 @15843 has 837 MA's), (80, 15927), (108, 16056), (118, 16098), (128, 16131), (140, 16191), (143, 16206), (167, 16326), (182, 16410), (225, 16665),

Gene: QueenBeesly_25 Start: 15725, Stop: 16557, Start Num: 64

Candidate Starts for QueenBeesly_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: QuinnAvery_19 Start: 10206, Stop: 10978, Start Num: 64
Candidate Starts for QuinnAvery_19:
(Start: 64 @10206 has 837 MA's), (78, 10281), (90, 10329), (92, 10338), (131, 10452), (135, 10470), (182, 10695), (197, 10761), (216, 10902), (229, 10962),

Gene: QuinnKiro_24 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for QuinnKiro_24:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: RER2_ Start: 8221, Stop: 8996, Start Num: 64
Candidate Starts for RER2_:
(Start: 64 @8221 has 837 MA's), (95, 8359), (Start: 97 @8365 has 1 MA's), (110, 8416), (138, 8521), (140, 8527), (147, 8557), (149, 8587), (151, 8596), (159, 8632), (163, 8647), (165, 8656), (181, 8743), (182, 8746), (194, 8797), (195, 8803), (211, 8938),

Gene: RGL3_ Start: 8191, Stop: 8969, Start Num: 64
Candidate Starts for RGL3_:
(49, 8107), (Start: 64 @8191 has 837 MA's), (74, 8254), (138, 8494), (140, 8500), (147, 8530), (149, 8560), (151, 8569),

Gene: Rachaly_28 Start: 17446, Stop: 18275, Start Num: 64
Candidate Starts for Rachaly_28:
(Start: 64 @17446 has 837 MA's), (74, 17509), (80, 17530), (Start: 94 @17584 has 1 MA's), (107, 17653), (118, 17698), (128, 17731), (140, 17791), (143, 17806), (181, 18007), (182, 18010), (225, 18265),

Gene: Rahalelujah_24 Start: 14692, Stop: 15539, Start Num: 64
Candidate Starts for Rahalelujah_24:
(Start: 64 @14692 has 837 MA's), (77, 14764), (Start: 94 @14827 has 1 MA's), (109, 14905), (112, 14914), (134, 15010), (140, 15028), (143, 15043), (159, 15133), (182, 15247), (186, 15271), (190, 15289), (219, 15463),

Gene: Raid_23 Start: 15263, Stop: 16065, Start Num: 64
Candidate Starts for Raid_23:
(Start: 64 @15263 has 837 MA's), (85, 15371), (99, 15422), (102, 15434), (106, 15467), (118, 15512), (140, 15590), (143, 15605), (147, 15620), (149, 15650), (199, 15896),

Gene: Rajelicia_23 Start: 15788, Stop: 16587, Start Num: 64
Candidate Starts for Rajelicia_23:
(Start: 64 @15788 has 837 MA's), (75, 15857), (82, 15881), (85, 15896), (86, 15899), (129, 16067),

Gene: Rana_17 Start: 10924, Stop: 11636, Start Num: 64
Candidate Starts for Rana_17:
(Start: 64 @10924 has 837 MA's), (100, 11077), (132, 11173), (186, 11443),

Gene: Rasputin_20 Start: 11317, Stop: 12092, Start Num: 64
Candidate Starts for Rasputin_20:

(Start: 64 @11317 has 837 MA's), (110, 11512), (138, 11617), (140, 11623), (147, 11653), (149, 11683), (151, 11692), (163, 11743), (165, 11752), (181, 11839), (194, 11893), (195, 11899), (211, 12034),

Gene: Ravana_27 Start: 14909, Stop: 15813, Start Num: 64
Candidate Starts for Ravana_27:
(57, 14879), (Start: 64 @14909 has 837 MA's), (82, 14999), (133, 15209), (138, 15227), (140, 15233), (147, 15263), (161, 15344), (163, 15353), (194, 15503), (213, 15659), (221, 15707), (226, 15716),

Gene: ReMo_27 Start: 14948, Stop: 15852, Start Num: 64
Candidate Starts for ReMo_27:
(57, 14918), (Start: 64 @14948 has 837 MA's), (82, 15038), (133, 15248), (138, 15266), (140, 15272), (147, 15302), (161, 15383), (163, 15392), (194, 15542), (213, 15698), (221, 15746), (226, 15755),

Gene: Reba_27 Start: 14926, Stop: 15722, Start Num: 61
Candidate Starts for Reba_27:
(Start: 61 @14926 has 92 MA's), (77, 14998), (83, 15019), (85, 15031), (112, 15151), (115, 15160), (118, 15181), (128, 15223), (134, 15247), (136, 15253), (143, 15280), (149, 15325), (182, 15484), (218, 15688),

Gene: Rebeuca_25 Start: 15099, Stop: 15970, Start Num: 64
Candidate Starts for Rebeuca_25:
(Start: 50 @15036 has 37 MA's), (Start: 64 @15099 has 837 MA's), (73, 15159), (75, 15165), (Start: 94 @15237 has 1 MA's), (115, 15309), (117, 15321), (136, 15396), (138, 15402), (140, 15408), (151, 15477), (161, 15519), (181, 15624), (182, 15627), (212, 15825),

Gene: RedBear_19 Start: 11188, Stop: 11903, Start Num: 64
Candidate Starts for RedBear_19:
(Start: 64 @11188 has 837 MA's), (86, 11290), (132, 11437), (147, 11497), (162, 11584), (164, 11590),

Gene: RedRock_28 Start: 17739, Stop: 18568, Start Num: 64
Candidate Starts for RedRock_28:
(24, 17634), (Start: 50 @17676 has 37 MA's), (Start: 64 @17739 has 837 MA's), (80, 17823), (82, 17829), (Start: 94 @17877 has 1 MA's), (100, 17898), (117, 17982), (118, 17991), (140, 18084), (143, 18099), (163, 18204), (181, 18300), (182, 18303), (225, 18558),

Gene: Refuge_28 Start: 18154, Stop: 18977, Start Num: 64
Candidate Starts for Refuge_28:
(Start: 64 @18154 has 837 MA's), (77, 18226), (83, 18244), (85, 18256), (88, 18265), (Start: 94 @18289 has 1 MA's), (112, 18376), (134, 18472), (140, 18490), (143, 18505), (149, 18550), (182, 18709), (219, 18925), (222, 18955),

Gene: Relief_24 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for Relief_24:
(Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: Remus_27 Start: 14909, Stop: 15813, Start Num: 64
Candidate Starts for Remus_27:
(57, 14879), (Start: 64 @14909 has 837 MA's), (82, 14999), (133, 15209), (138, 15227), (140, 15233), (147, 15263), (161, 15344), (163, 15353), (194, 15503), (213, 15659), (221, 15707), (226, 15716),

Gene: ResDef_25 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for ResDef_25:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Retro23_25 Start: 15867, Stop: 16699, Start Num: 64
Candidate Starts for Retro23_25:
(Start: 64 @15867 has 837 MA's), (68, 15894), (74, 15930), (80, 15951), (118, 16122), (128, 16155), (140, 16215), (143, 16230), (186, 16458), (225, 16689),

Gene: RexFury_20 Start: 11380, Stop: 12155, Start Num: 64
Candidate Starts for RexFury_20:
(Start: 64 @11380 has 837 MA's), (95, 11518), (Start: 97 @11524 has 1 MA's), (110, 11575), (138, 11680), (140, 11686), (147, 11716), (149, 11746), (151, 11755), (159, 11791), (163, 11806), (165, 11815), (181, 11902), (182, 11905), (194, 11956), (195, 11962), (211, 12097),

Gene: Rhodalysa_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Rhodalysa_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: RhynO_25 Start: 15068, Stop: 15939, Start Num: 64
Candidate Starts for RhynO_25:
(Start: 64 @15068 has 837 MA's), (73, 15128), (75, 15134), (Start: 94 @15206 has 1 MA's), (115, 15278), (117, 15290), (121, 15308), (136, 15365), (138, 15371), (140, 15377), (151, 15446), (161, 15488), (181, 15593), (182, 15596), (212, 15794),

Gene: Rhynn_23 Start: 15497, Stop: 16395, Start Num: 38
Candidate Starts for Rhynn_23:
(Start: 38 @15497 has 21 MA's), (Start: 64 @15596 has 837 MA's), (91, 15725), (Start: 94 @15737 has 1 MA's), (147, 15944),

Gene: RidgeCB_23 Start: 15371, Stop: 16170, Start Num: 64
Candidate Starts for RidgeCB_23:
(Start: 64 @15371 has 837 MA's), (91, 15500), (Start: 94 @15512 has 1 MA's), (117, 15602), (147, 15719),

Gene: Rifter_28 Start: 15896, Stop: 16713, Start Num: 64
Candidate Starts for Rifter_28:
(Start: 50 @15833 has 37 MA's), (Start: 64 @15896 has 837 MA's), (Start: 94 @16034 has 1 MA's), (100, 16055), (107, 16103), (116, 16136), (118, 16148), (140, 16241), (182, 16460), (215, 16661), (225, 16706),

Gene: Ringer_23 Start: 15915, Stop: 16717, Start Num: 64
Candidate Starts for Ringer_23:
(Start: 11 @15741 has 1 MA's), (Start: 38 @15816 has 21 MA's), (Start: 64 @15915 has 837 MA's), (85, 16023), (99, 16074), (102, 16086), (106, 16119), (118, 16164), (140, 16242), (143, 16257), (147, 16272), (149, 16302), (186, 16482), (199, 16548),

Gene: Roary_21 Start: 13718, Stop: 14520, Start Num: 64
Candidate Starts for Roary_21:

(Start: 64 @13718 has 837 MA's), (73, 13778), (77, 13790), (99, 13874), (100, 13877), (107, 13913), (115, 13937), (138, 14033), (170, 14186), (181, 14255), (189, 14294), (206, 14411), (225, 14513),

Gene: RockieBear_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for RockieBear_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Rockstar_24 Start: 14553, Stop: 15415, Start Num: 50
Candidate Starts for Rockstar_24:
(Start: 50 @14553 has 37 MA's), (Start: 61 @14619 has 92 MA's), (100, 14778), (103, 14787), (107, 14814), (118, 14859), (136, 14931), (143, 14958), (149, 15003), (153, 15018), (160, 15051), (181, 15159), (182, 15162), (185, 15177), (213, 15354),

Gene: Rohr_24 Start: 15793, Stop: 16592, Start Num: 64
Candidate Starts for Rohr_24:
(Start: 38 @15694 has 21 MA's), (Start: 64 @15793 has 837 MA's), (91, 15922), (Start: 94 @15934 has 1 MA's), (117, 16024), (147, 16141),

Gene: Roksolana_28 Start: 15924, Stop: 16741, Start Num: 64
Candidate Starts for Roksolana_28:
(Start: 50 @15861 has 37 MA's), (Start: 64 @15924 has 837 MA's), (Start: 94 @16062 has 1 MA's), (100, 16083), (107, 16131), (116, 16164), (118, 16176), (140, 16269), (178, 16464), (182, 16488), (215, 16689), (225, 16734),

Gene: Romney_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Romney_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Roosevelt_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Roosevelt_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Rosalind_27 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for Rosalind_27:
(57, 15040), (Start: 64 @15070 has 837 MA's), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: Rubeus_24 Start: 15628, Stop: 16427, Start Num: 64
Candidate Starts for Rubeus_24:
(Start: 64 @15628 has 837 MA's), (Start: 94 @15769 has 1 MA's), (117, 15859), (147, 15976),

Gene: Rufus_24 Start: 15862, Stop: 16763, Start Num: 38
Candidate Starts for Rufus_24:
(Start: 38 @15862 has 21 MA's), (Start: 64 @15964 has 837 MA's), (75, 16033), (82, 16057), (85, 16072), (86, 16075), (91, 16093), (129, 16243), (147, 16312),

Gene: Ruin_24 Start: 15094, Stop: 15962, Start Num: 64
Candidate Starts for Ruin_24:

(Start: 64 @15094 has 837 MA's), (75, 15160), (83, 15187), (115, 15307), (138, 15400), (140, 15406), (161, 15517), (176, 15595), (181, 15622), (182, 15625), (185, 15640), (196, 15691), (215, 15826), (219, 15841),

Gene: Rummer_26 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for Rummer_26:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: Ruotula_21 Start: 15800, Stop: 16602, Start Num: 64
Candidate Starts for Ruotula_21:
(51, 15737), (Start: 64 @15800 has 837 MA's), (85, 15908), (99, 15959), (102, 15971), (106, 16004), (118, 16049), (140, 16127), (143, 16142), (147, 16157), (149, 16187),

Gene: Rusticus_18 Start: 11113, Stop: 11828, Start Num: 64
Candidate Starts for Rusticus_18:
(Start: 64 @11113 has 837 MA's), (147, 11422), (162, 11509), (186, 11632),

Gene: Rutherferd_25 Start: 16202, Stop: 17001, Start Num: 64
Candidate Starts for Rutherferd_25:
(Start: 11 @16028 has 1 MA's), (Start: 38 @16103 has 21 MA's), (Start: 64 @16202 has 837 MA's), (91, 16331), (Start: 94 @16343 has 1 MA's), (117, 16433), (147, 16550),

Gene: Ryan_18 Start: 10337, Stop: 11109, Start Num: 64
Candidate Starts for Ryan_18:
(Start: 64 @10337 has 837 MA's), (78, 10412), (79, 10418), (90, 10460), (131, 10583), (182, 10826), (199, 10910), (201, 10925), (229, 11093),

Gene: RyeScarlet_26 Start: 16618, Stop: 17465, Start Num: 64
Candidate Starts for RyeScarlet_26:
(Start: 64 @16618 has 837 MA's), (77, 16690), (88, 16729), (109, 16831), (112, 16840), (134, 16936), (140, 16954), (143, 16969), (150, 17017), (182, 17173), (219, 17389),

Gene: STLscum_24 Start: 16004, Stop: 16806, Start Num: 64
Candidate Starts for STLscum_24:
(Start: 64 @16004 has 837 MA's), (85, 16112), (99, 16163), (102, 16175), (106, 16208), (118, 16253), (140, 16331), (143, 16346), (147, 16361), (149, 16391),

Gene: Sabertooth_23 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Sabertooth_23:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Sabia_25 Start: 15113, Stop: 15972, Start Num: 50
Candidate Starts for Sabia_25:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Sabinator_26 Start: 15118, Stop: 15977, Start Num: 50
Candidate Starts for Sabinator_26:

(Start: 50 @15118 has 37 MA's), (Start: 61 @15181 has 92 MA's), (83, 15274), (85, 15286), (Start: 94 @15319 has 1 MA's), (98, 15331), (112, 15406), (115, 15415), (118, 15436), (128, 15478), (136, 15508), (143, 15535), (149, 15580), (218, 15943),

Gene: Sachima_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for Sachima_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Saftant_17 Start: 10847, Stop: 11559, Start Num: 64
Candidate Starts for Saftant_17:
(Start: 64 @10847 has 837 MA's), (116, 11030), (136, 11114), (162, 11243), (184, 11348), (187, 11369),

Gene: Sagefire_24 Start: 16302, Stop: 17203, Start Num: 38
Candidate Starts for Sagefire_24:
(Start: 38 @16302 has 21 MA's), (Start: 64 @16404 has 837 MA's), (75, 16473), (82, 16497), (85, 16512), (86, 16515), (91, 16533), (129, 16683),

Gene: Saintus_21 Start: 13733, Stop: 14535, Start Num: 64
Candidate Starts for Saintus_21:
(Start: 64 @13733 has 837 MA's), (73, 13793), (77, 13805), (99, 13889), (100, 13892), (107, 13928), (115, 13952), (138, 14048), (170, 14201), (181, 14270), (189, 14309), (206, 14426), (212, 14465), (225, 14528),

Gene: Salz_25 Start: 16353, Stop: 17161, Start Num: 64
Candidate Starts for Salz_25:
(Start: 64 @16353 has 837 MA's), (77, 16425), (82, 16443), (Start: 97 @16500 has 1 MA's), (115, 16578), (134, 16671), (161, 16800), (225, 17154),

Gene: Sanya_23 Start: 16179, Stop: 16978, Start Num: 64
Candidate Starts for Sanya_23:
(Start: 64 @16179 has 837 MA's), (75, 16248), (82, 16272), (85, 16287), (86, 16290), (91, 16308), (129, 16458),

Gene: SarFire_23 Start: 15657, Stop: 16456, Start Num: 64
Candidate Starts for SarFire_23:
(Start: 64 @15657 has 837 MA's), (75, 15726), (82, 15750), (85, 15765), (86, 15768), (129, 15936),

Gene: SarahRose_17 Start: 10927, Stop: 11639, Start Num: 64
Candidate Starts for SarahRose_17:
(Start: 64 @10927 has 837 MA's), (132, 11176), (147, 11236), (162, 11323),

Gene: Saskia_25 Start: 16356, Stop: 17164, Start Num: 64
Candidate Starts for Saskia_25:
(Start: 64 @16356 has 837 MA's), (77, 16428), (82, 16446), (Start: 97 @16503 has 1 MA's), (115, 16581), (134, 16674), (161, 16803), (225, 17157),

Gene: Scamp_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Scamp_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Scherzo_26 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Scherzo_26:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: Schism_19 Start: 10191, Stop: 10963, Start Num: 64
Candidate Starts for Schism_19:
(Start: 64 @10191 has 837 MA's), (78, 10266), (79, 10272), (84, 10287), (90, 10314), (131, 10437), (165, 10599), (175, 10638), (182, 10680), (199, 10764), (201, 10779), (216, 10887), (229, 10947),

Gene: Scorpia_22 Start: 14261, Stop: 15057, Start Num: 64
Candidate Starts for Scorpia_22:
(Start: 50 @14198 has 37 MA's), (Start: 64 @14261 has 837 MA's), (Start: 94 @14396 has 1 MA's), (100, 14417), (107, 14453), (117, 14489), (136, 14567), (143, 14594), (147, 14609), (165, 14708), (172, 14738), (179, 14780), (182, 14798), (191, 14843), (213, 15008),

Gene: Scout_24 Start: 13998, Stop: 14794, Start Num: 61
Candidate Starts for Scout_24:
(Start: 22 @13884 has 2 MA's), (Start: 50 @13932 has 37 MA's), (Start: 61 @13998 has 92 MA's), (83, 14091), (100, 14157), (103, 14166), (107, 14193), (118, 14238), (136, 14310), (140, 14322), (143, 14337), (149, 14382), (153, 14397), (160, 14430), (181, 14538), (182, 14541), (185, 14556), (186, 14565), (213, 14733),

Gene: Scowl_23 Start: 16056, Stop: 16849, Start Num: 64
Candidate Starts for Scowl_23:
(23, 15945), (Start: 25 @15951 has 2 MA's), (Start: 38 @15966 has 21 MA's), (Start: 64 @16056 has 837 MA's), (75, 16125), (86, 16167), (95, 16200), (134, 16350), (139, 16365), (140, 16368), (141, 16371),

Gene: Seabiscuit_25 Start: 15587, Stop: 16386, Start Num: 64
Candidate Starts for Seabiscuit_25:
(Start: 64 @15587 has 837 MA's), (75, 15656), (82, 15680), (85, 15695), (86, 15698), (129, 15866),

Gene: Seanderson_24 Start: 16037, Stop: 16836, Start Num: 64
Candidate Starts for Seanderson_24:
(Start: 38 @15938 has 21 MA's), (Start: 64 @16037 has 837 MA's), (75, 16106), (82, 16130), (85, 16145), (86, 16148), (91, 16166), (129, 16316), (147, 16385), (186, 16598),

Gene: SemperFi_27 Start: 16142, Stop: 16974, Start Num: 64
Candidate Starts for SemperFi_27:
(7, 15908), (9, 15935), (24, 16040), (Start: 64 @16142 has 837 MA's), (68, 16169), (74, 16205), (80, 16226), (118, 16397), (128, 16430), (140, 16490), (143, 16505), (167, 16625), (178, 16685), (189, 16745), (225, 16964),

Gene: SenorClean_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for SenorClean_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Serenity_24 Start: 14766, Stop: 15589, Start Num: 64
Candidate Starts for Serenity_24:

(Start: 64 @14766 has 837 MA's), (80, 14850), (84, 14862), (108, 14976), (132, 15063), (167, 15246), (182, 15330), (200, 15429), (225, 15579),

Gene: Severus_23 Start: 13009, Stop: 13877, Start Num: 64
Candidate Starts for Severus_23:
(Start: 50 @12946 has 37 MA's), (Start: 64 @13009 has 837 MA's), (73, 13069), (75, 13075), (Start: 94 @13147 has 1 MA's), (115, 13219), (118, 13240), (119, 13243), (138, 13312), (161, 13429), (181, 13534), (182, 13537), (212, 13732),

Gene: Shaka_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Shaka_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Sham4_25 Start: 16359, Stop: 17167, Start Num: 64
Candidate Starts for Sham4_25:
(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: ShayRa_28 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for ShayRa_28:
(57, 15040), (Start: 64 @15070 has 837 MA's), (82, 15160), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: SheaKeira_25 Start: 14773, Stop: 15599, Start Num: 64
Candidate Starts for SheaKeira_25:
(Start: 64 @14773 has 837 MA's), (77, 14845), (Start: 94 @14908 has 1 MA's), (109, 14986), (112, 14995), (134, 15091), (140, 15109), (143, 15124), (186, 15352), (225, 15580),

Gene: Sheen_26 Start: 16821, Stop: 17614, Start Num: 64
Candidate Starts for Sheen_26:
(Start: 64 @16821 has 837 MA's), (74, 16884), (93, 16956), (129, 17085), (132, 17094), (137, 17133), (143, 17157), (147, 17172), (182, 17361), (186, 17385),

Gene: SheldonCooper_25 Start: 15410, Stop: 16278, Start Num: 64
Candidate Starts for SheldonCooper_25:
(Start: 64 @15410 has 837 MA's), (75, 15476), (83, 15503), (115, 15623), (138, 15716), (140, 15722), (161, 15833), (176, 15911), (181, 15938), (182, 15941), (185, 15956), (196, 16007), (215, 16142), (219, 16157),

Gene: ShortQueendom_23 Start: 15477, Stop: 16276, Start Num: 64
Candidate Starts for ShortQueendom_23:
(26, 15363), (Start: 50 @15405 has 37 MA's), (Start: 64 @15477 has 837 MA's), (75, 15546), (82, 15570), (85, 15585), (86, 15588), (91, 15606), (129, 15756),

Gene: Shuman_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Shuman_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Shygu2_24 Start: 15089, Stop: 15969, Start Num: 64

Candidate Starts for Shygu2_24:
(43, 15002), (Start: 64 @15089 has 837 MA's), (75, 15155), (83, 15182), (88, 15203), (Start: 94 @15227 has 1 MA's), (115, 15302), (138, 15395), (140, 15401), (161, 15512), (176, 15590), (181, 15617), (182, 15620), (185, 15635), (199, 15710), (215, 15821), (219, 15836),

Gene: Sibs6_25 Start: 16113, Stop: 16912, Start Num: 64
Candidate Starts for Sibs6_25:
(Start: 38 @16014 has 21 MA's), (Start: 64 @16113 has 837 MA's), (85, 16221), (91, 16242), (Start: 94 @16254 has 1 MA's), (117, 16344), (147, 16461),

Gene: SkiPole_25 Start: 15639, Stop: 16540, Start Num: 30
Candidate Starts for SkiPole_25:
(Start: 30 @15639 has 1 MA's), (55, 15705), (Start: 64 @15741 has 837 MA's), (86, 15852), (115, 15960), (117, 15972), (134, 16041), (182, 16278),

Gene: Skipitt_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for Skipitt_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Skitty_15 Start: 7953, Stop: 8725, Start Num: 64
Candidate Starts for Skitty_15:
(Start: 64 @7953 has 837 MA's), (78, 8028), (79, 8034), (90, 8076), (92, 8085), (123, 8169), (132, 8202), (136, 8220), (155, 8319), (160, 8340), (162, 8349), (174, 8397), (207, 8607), (213, 8643), (216, 8649), (220, 8664), (229, 8709),

Gene: Sknot_25 Start: 15854, Stop: 16683, Start Num: 64
Candidate Starts for Sknot_25:
(56, 15827), (Start: 64 @15854 has 837 MA's), (68, 15881), (80, 15938), (117, 16097), (118, 16106), (140, 16199), (143, 16214), (167, 16334), (182, 16418), (186, 16442), (225, 16673),

Gene: Slagathor_24 Start: 15366, Stop: 16264, Start Num: 38
Candidate Starts for Slagathor_24:
(Start: 38 @15366 has 21 MA's), (Start: 64 @15465 has 837 MA's), (75, 15534), (82, 15558), (85, 15573), (86, 15576), (91, 15594), (129, 15744),

Gene: Smairt_24 Start: 16297, Stop: 17096, Start Num: 64
Candidate Starts for Smairt_24:
(Start: 64 @16297 has 837 MA's), (75, 16366), (82, 16390), (85, 16405), (86, 16408), (91, 16426), (129, 16576),

Gene: Smeadley_21 Start: 13751, Stop: 14553, Start Num: 64
Candidate Starts for Smeadley_21:
(Start: 64 @13751 has 837 MA's), (73, 13811), (77, 13823), (99, 13907), (100, 13910), (107, 13946), (115, 13970), (138, 14066), (170, 14219), (181, 14288), (189, 14327), (206, 14444), (225, 14546),

Gene: Smeagan_27 Start: 16293, Stop: 17125, Start Num: 64
Candidate Starts for Smeagan_27:
(Start: 64 @16293 has 837 MA's), (68, 16320), (74, 16356), (80, 16377), (108, 16506), (118, 16548), (128, 16581), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: Smeagol_25 Start: 16886, Stop: 17685, Start Num: 64

Candidate Starts for Smeagol_25:
(Start: 64 @16886 has 837 MA's), (Start: 94 @17027 has 1 MA's), (117, 17117), (147, 17234),

Gene: SmellyB_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for SmellyB_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (148, 16309), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: SnapTap_25 Start: 15725, Stop: 16557, Start Num: 64
Candidate Starts for SnapTap_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: Snape_25 Start: 16359, Stop: 17167, Start Num: 64
Candidate Starts for Snape_25:
(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: Snazzy_21 Start: 14986, Stop: 15785, Start Num: 64
Candidate Starts for Snazzy_21:
(Start: 64 @14986 has 837 MA's), (75, 15055), (82, 15079), (85, 15094), (86, 15097), (91, 15115), (129, 15265),

Gene: Snickers_26 Start: 15157, Stop: 15953, Start Num: 61
Candidate Starts for Snickers_26:
(Start: 50 @15094 has 37 MA's), (Start: 61 @15157 has 92 MA's), (83, 15250), (85, 15262), (Start: 94 @15295 has 1 MA's), (98, 15307), (112, 15382), (115, 15391), (118, 15412), (128, 15454), (136, 15484), (143, 15511), (149, 15556), (218, 15919),

Gene: Snorlax_17 Start: 10930, Stop: 11642, Start Num: 64
Candidate Starts for Snorlax_17:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: SoYo_26 Start: 15094, Stop: 15890, Start Num: 61
Candidate Starts for SoYo_26:
(Start: 50 @15031 has 37 MA's), (Start: 61 @15094 has 92 MA's), (83, 15187), (85, 15199), (Start: 94 @15232 has 1 MA's), (98, 15244), (112, 15319), (115, 15328), (118, 15349), (128, 15391), (136, 15421), (143, 15448), (149, 15493), (218, 15856),

Gene: SoilDragon_26 Start: 14871, Stop: 15667, Start Num: 61
Candidate Starts for SoilDragon_26:
(Start: 50 @14808 has 37 MA's), (Start: 61 @14871 has 92 MA's), (83, 14964), (85, 14976), (Start: 94 @15009 has 1 MA's), (98, 15021), (112, 15096), (115, 15105), (118, 15126), (128, 15168), (136, 15198), (143, 15225), (149, 15270), (218, 15633),

Gene: Solon_23 Start: 16148, Stop: 16947, Start Num: 64
Candidate Starts for Solon_23:
(Start: 38 @16049 has 21 MA's), (Start: 64 @16148 has 837 MA's), (75, 16217), (82, 16241), (85, 16256), (86, 16259), (91, 16277), (129, 16427), (147, 16496),

Gene: SororFago_24 Start: 14931, Stop: 15748, Start Num: 64
Candidate Starts for SororFago_24:

(Start: 64 @14931 has 837 MA's), (68, 14958), (84, 15027), (Start: 94 @15069 has 1 MA's), (105, 15111), (128, 15216), (140, 15273), (151, 15342), (161, 15384), (177, 15465), (186, 15516), (189, 15528), (190, 15534), (196, 15558), (208, 15657), (225, 15738),

Gene: Sorpresa_23 Start: 15517, Stop: 16316, Start Num: 64
Candidate Starts for Sorpresa_23:
(Start: 64 @15517 has 837 MA's), (75, 15586), (82, 15610), (85, 15625), (86, 15628), (91, 15646), (129, 15796),

Gene: Soshari_28 Start: 15203, Stop: 16062, Start Num: 50
Candidate Starts for Soshari_28:
(Start: 50 @15203 has 37 MA's), (Start: 61 @15266 has 92 MA's), (83, 15359), (85, 15371), (Start: 94 @15404 has 1 MA's), (98, 15416), (112, 15491), (115, 15500), (118, 15521), (128, 15563), (136, 15593), (143, 15620), (149, 15665), (218, 16028),

Gene: Soups_27 Start: 15070, Stop: 15974, Start Num: 64
Candidate Starts for Soups_27:
(57, 15040), (Start: 64 @15070 has 837 MA's), (133, 15370), (138, 15388), (140, 15394), (147, 15424), (161, 15505), (163, 15514), (194, 15664), (213, 15820), (221, 15868), (226, 15877),

Gene: South40_18 Start: 11188, Stop: 11903, Start Num: 64
Candidate Starts for South40_18:
(Start: 64 @11188 has 837 MA's), (86, 11290), (132, 11437), (147, 11497), (162, 11584), (164, 11590),

Gene: Sparxx_24 Start: 15096, Stop: 15964, Start Num: 64
Candidate Starts for Sparxx_24:
(42, 15009), (Start: 50 @15033 has 37 MA's), (Start: 64 @15096 has 837 MA's), (75, 15162), (83, 15189), (115, 15309), (138, 15402), (140, 15408), (161, 15519), (176, 15597), (181, 15624), (182, 15627), (185, 15642), (196, 15693), (215, 15828), (219, 15843),

Gene: Speedwell_22 Start: 12580, Stop: 13295, Start Num: 64
Candidate Starts for Speedwell_22:
(Start: 64 @12580 has 837 MA's), (116, 12763), (136, 12847), (162, 12976), (184, 13081),

Gene: Spike509_25 Start: 15267, Stop: 16063, Start Num: 61
Candidate Starts for Spike509_25:
(Start: 50 @15204 has 37 MA's), (Start: 61 @15267 has 92 MA's), (83, 15360), (85, 15372), (Start: 94 @15405 has 1 MA's), (98, 15417), (112, 15492), (115, 15501), (118, 15522), (128, 15564), (136, 15594), (143, 15621), (149, 15666), (218, 16029),

Gene: SpikeBT_25 Start: 16453, Stop: 17252, Start Num: 64
Candidate Starts for SpikeBT_25:
(26, 16339), (Start: 50 @16381 has 37 MA's), (Start: 64 @16453 has 837 MA's), (75, 16522), (82, 16546), (85, 16561), (86, 16564), (91, 16582), (129, 16732),

Gene: Spino_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Spino_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Spouty_26 Start: 16644, Stop: 17491, Start Num: 64
Candidate Starts for Spouty_26:

(Start: 64 @16644 has 837 MA's), (77, 16716), (88, 16755), (109, 16857), (112, 16866), (134, 16962), (140, 16980), (143, 16995), (150, 17043), (182, 17199), (215, 17400), (219, 17415),

Gene: SqueakyClean_18 Start: 11033, Stop: 11763, Start Num: 64
Candidate Starts for SqueakyClean_18:
(58, 11015), (Start: 64 @11033 has 837 MA's), (100, 11189), (147, 11345), (173, 11483),

Gene: Squee_24 Start: 16286, Stop: 17079, Start Num: 64
Candidate Starts for Squee_24:
(Start: 38 @16187 has 21 MA's), (Start: 64 @16286 has 837 MA's), (75, 16355), (86, 16397), (95, 16430), (134, 16580), (139, 16595), (140, 16598), (141, 16601),

Gene: StCroix_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for StCroix_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Stagni_25 Start: 15185, Stop: 15981, Start Num: 61
Candidate Starts for Stagni_25:
(Start: 50 @15122 has 37 MA's), (Start: 61 @15185 has 92 MA's), (83, 15278), (85, 15290), (Start: 94 @15323 has 1 MA's), (98, 15335), (112, 15410), (115, 15419), (118, 15440), (128, 15482), (136, 15512), (143, 15539), (149, 15584), (218, 15947),

Gene: StarStuff_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for StarStuff_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (166, 16172), (167, 16175), (186, 16283), (206, 16415), (225, 16508),

Gene: Stasia_25 Start: 15537, Stop: 16405, Start Num: 64
Candidate Starts for Stasia_25:
(Start: 64 @15537 has 837 MA's), (75, 15603), (77, 15609), (88, 15651), (Start: 94 @15675 has 1 MA's), (115, 15750), (129, 15810), (138, 15843), (140, 15849), (141, 15852), (161, 15960), (176, 16038), (181, 16065), (185, 16083), (196, 16134), (215, 16269), (219, 16284),

Gene: SteMason_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for SteMason_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Steamy_26 Start: 16381, Stop: 17204, Start Num: 64
Candidate Starts for Steamy_26:
(Start: 64 @16381 has 837 MA's), (77, 16453), (82, 16468), (88, 16492), (Start: 94 @16516 has 1 MA's), (112, 16603), (131, 16684), (134, 16699), (143, 16732), (149, 16777), (215, 17137), (222, 17182),

Gene: StepMih_26 Start: 15113, Stop: 15972, Start Num: 50
Candidate Starts for StepMih_26:
(Start: 50 @15113 has 37 MA's), (Start: 61 @15176 has 92 MA's), (83, 15269), (85, 15281), (Start: 94 @15314 has 1 MA's), (98, 15326), (112, 15401), (115, 15410), (118, 15431), (128, 15473), (136, 15503), (143, 15530), (149, 15575), (218, 15938),

Gene: Stephig9_21 Start: 13732, Stop: 14534, Start Num: 64
Candidate Starts for Stephig9_21:
(Start: 64 @13732 has 837 MA's), (73, 13792), (77, 13804), (99, 13888), (100, 13891), (107, 13927), (115, 13951), (138, 14047), (170, 14200), (179, 14254), (181, 14269), (189, 14308), (206, 14425), (225, 14527),

Gene: StewieG_22 Start: 15360, Stop: 16159, Start Num: 64
Candidate Starts for StewieG_22:
(Start: 38 @15261 has 21 MA's), (Start: 64 @15360 has 837 MA's), (75, 15429), (82, 15453), (85, 15468), (86, 15471), (91, 15489), (129, 15639),

Gene: Stink_25 Start: 15378, Stop: 16246, Start Num: 64
Candidate Starts for Stink_25:
(40, 15288), (43, 15291), (Start: 64 @15378 has 837 MA's), (75, 15444), (83, 15471), (88, 15492), (Start: 94 @15516 has 1 MA's), (115, 15591), (138, 15684), (140, 15690), (161, 15801), (176, 15879), (181, 15906), (185, 15924), (215, 16110), (219, 16125),

Gene: StrongArm_22 Start: 16537, Stop: 17336, Start Num: 64
Candidate Starts for StrongArm_22:
(Start: 38 @16438 has 21 MA's), (Start: 64 @16537 has 837 MA's), (75, 16606), (82, 16630), (85, 16645), (86, 16648), (91, 16666), (129, 16816), (147, 16885), (186, 17098),

Gene: Strosahl_27 Start: 14909, Stop: 15813, Start Num: 64
Candidate Starts for Strosahl_27:
(57, 14879), (Start: 64 @14909 has 837 MA's), (82, 14999), (133, 15209), (138, 15227), (140, 15233), (147, 15263), (161, 15344), (163, 15353), (194, 15503), (213, 15659), (221, 15707), (226, 15716),

Gene: Sudan_17 Start: 10842, Stop: 11548, Start Num: 64
Candidate Starts for Sudan_17:
(Start: 64 @10842 has 837 MA's), (116, 11025), (136, 11109), (162, 11238), (184, 11343),

Gene: Sujidade_18 Start: 11228, Stop: 11943, Start Num: 64
Candidate Starts for Sujidade_18:
(Start: 64 @11228 has 837 MA's), (132, 11477), (147, 11537), (162, 11624),

Gene: Sultana_24 Start: 15099, Stop: 15967, Start Num: 64
Candidate Starts for Sultana_24:
(Start: 64 @15099 has 837 MA's), (75, 15165), (83, 15192), (115, 15312), (138, 15405), (140, 15411), (161, 15522), (176, 15600), (181, 15627), (182, 15630), (185, 15645), (196, 15696), (215, 15831), (219, 15846),

Gene: Sumter_22 Start: 15099, Stop: 15898, Start Num: 64
Candidate Starts for Sumter_22:
(Start: 64 @15099 has 837 MA's), (86, 15210), (115, 15318), (117, 15330), (134, 15399),

Gene: Sunhee_24 Start: 14987, Stop: 15801, Start Num: 64
Candidate Starts for Sunhee_24:
(Start: 64 @14987 has 837 MA's), (84, 15083), (86, 15095), (Start: 94 @15125 has 1 MA's), (104, 15164), (128, 15272), (140, 15329), (151, 15398), (161, 15440), (177, 15521), (189, 15584), (190, 15590), (196, 15614), (208, 15713), (225, 15794),

Gene: SunkenRoot_17 Start: 11134, Stop: 11843, Start Num: 64
Candidate Starts for SunkenRoot_17:

(Start: 64 @11134 has 837 MA's), (116, 11317), (136, 11401), (162, 11530), (184, 11635),

Gene: SunsetPointe_17 Start: 10940, Stop: 11655, Start Num: 64
Candidate Starts for SunsetPointe_17:
(Start: 64 @10940 has 837 MA's), (132, 11189), (147, 11249), (162, 11336),

Gene: Sunshine924_22 Start: 15083, Stop: 15882, Start Num: 64
Candidate Starts for Sunshine924_22:
(Start: 64 @15083 has 837 MA's), (86, 15194), (115, 15302), (117, 15314), (134, 15383),

Gene: SuperAwesome_28 Start: 15852, Stop: 16735, Start Num: 50
Candidate Starts for SuperAwesome_28:
(24, 15810), (Start: 39 @15825 has 3 MA's), (Start: 50 @15852 has 37 MA's), (Start: 64 @15915 has 837 MA's), (Start: 94 @16053 has 1 MA's), (100, 16074), (114, 16143), (116, 16155), (118, 16167), (140, 16260), (143, 16275), (178, 16455), (182, 16479), (199, 16569), (215, 16683), (225, 16728),

Gene: SuperCallie99_28 Start: 15914, Stop: 16734, Start Num: 64
Candidate Starts for SuperCallie99_28:
(24, 15809), (Start: 39 @15824 has 3 MA's), (Start: 50 @15851 has 37 MA's), (Start: 64 @15914 has 837 MA's), (Start: 94 @16052 has 1 MA's), (100, 16073), (116, 16154), (118, 16166), (140, 16259), (143, 16274), (178, 16454), (182, 16478), (199, 16568), (215, 16682), (225, 16727),

Gene: Superchunk_24 Start: 14448, Stop: 15277, Start Num: 64
Candidate Starts for Superchunk_24:
(Start: 64 @14448 has 837 MA's), (80, 14532), (Start: 94 @14586 has 1 MA's), (Start: 97 @14595 has 1 MA's), (108, 14658), (155, 14880), (167, 14928), (181, 15009), (186, 15036), (190, 15054), (227, 15270),

Gene: Swann_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for Swann_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: SweetiePie_25 Start: 15725, Stop: 16557, Start Num: 64
Candidate Starts for SweetiePie_25:
(Start: 64 @15725 has 837 MA's), (68, 15752), (74, 15788), (80, 15809), (118, 15980), (121, 15989), (128, 16013), (140, 16073), (143, 16088), (167, 16208), (178, 16268), (189, 16328), (225, 16547),

Gene: SwirlSquare_26 Start: 14621, Stop: 15450, Start Num: 64
Candidate Starts for SwirlSquare_26:
(Start: 64 @14621 has 837 MA's), (80, 14705), (84, 14717), (Start: 94 @14759 has 1 MA's), (95, 14762), (108, 14831), (140, 14966), (167, 15101), (227, 15443),

Gene: Swirley_21 Start: 14416, Stop: 15209, Start Num: 64
Candidate Starts for Swirley_21:
(Start: 64 @14416 has 837 MA's), (71, 14455), (73, 14473), (88, 14527), (Start: 94 @14551 has 1 MA's), (100, 14572), (102, 14581), (107, 14608), (114, 14629), (117, 14644), (122, 14665), (126, 14677), (134, 14716), (143, 14749), (148, 14776), (158, 14833), (163, 14854), (165, 14863),

Gene: SwissCheese_23 Start: 15555, Stop: 16354, Start Num: 64
Candidate Starts for SwissCheese_23:

(Start: 38 @15453 has 21 MA's), (Start: 64 @15555 has 837 MA's), (75, 15624), (82, 15648), (85, 15663), (86, 15666), (91, 15684), (129, 15834),

Gene: Switzer_23 Start: 15693, Stop: 16492, Start Num: 64
Candidate Starts for Switzer_23:
(Start: 64 @15693 has 837 MA's), (75, 15762), (82, 15786), (85, 15801), (86, 15804), (129, 15972),

Gene: Switzerland_27 Start: 15063, Stop: 15967, Start Num: 64
Candidate Starts for Switzerland_27:
(57, 15033), (Start: 64 @15063 has 837 MA's), (82, 15153), (133, 15363), (138, 15381), (140, 15387), (147, 15417), (161, 15498), (163, 15507), (194, 15657), (213, 15813), (221, 15861), (226, 15870),

Gene: Swole_25 Start: 16021, Stop: 16820, Start Num: 64
Candidate Starts for Swole_25:
(Start: 38 @15919 has 21 MA's), (Start: 64 @16021 has 837 MA's), (75, 16090), (82, 16114), (85, 16129), (86, 16132), (91, 16150), (129, 16300), (147, 16369),

Gene: SydNat_21 Start: 14551, Stop: 15344, Start Num: 64
Candidate Starts for SydNat_21:
(53, 14521), (Start: 64 @14551 has 837 MA's), (88, 14662), (100, 14707), (107, 14743), (117, 14779), (122, 14800), (135, 14854), (137, 14860), (143, 14884), (148, 14911), (158, 14968), (163, 14989), (166, 15001),

Gene: TNguyen7_24 Start: 14554, Stop: 15464, Start Num: 22
Candidate Starts for TNguyen7_24:
(Start: 22 @14554 has 2 MA's), (Start: 50 @14602 has 37 MA's), (Start: 61 @14668 has 92 MA's), (83, 14761), (100, 14827), (103, 14836), (107, 14863), (118, 14908), (136, 14980), (140, 14992), (143, 15007), (149, 15052), (153, 15067), (160, 15100), (181, 15208), (182, 15211), (185, 15226), (186, 15235), (213, 15403),

Gene: TWAMP_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for TWAMP_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: TagePhighter_18 Start: 10930, Stop: 11642, Start Num: 64
Candidate Starts for TagePhighter_18:
(Start: 64 @10930 has 837 MA's), (132, 11179), (147, 11239), (162, 11326),

Gene: Takoda_20 Start: 11309, Stop: 12084, Start Num: 64
Candidate Starts for Takoda_20:
(Start: 64 @11309 has 837 MA's), (95, 11447), (Start: 97 @11453 has 1 MA's), (110, 11504), (121, 11543), (138, 11609), (140, 11615), (147, 11645), (149, 11675), (151, 11684), (163, 11735), (181, 11831), (182, 11834), (194, 11885), (195, 11891), (211, 12026),

Gene: Taquarus_24 Start: 15101, Stop: 15969, Start Num: 64
Candidate Starts for Taquarus_24:
(Start: 64 @15101 has 837 MA's), (75, 15167), (83, 15194), (115, 15314), (138, 15407), (140, 15413), (161, 15524), (176, 15602), (181, 15629), (182, 15632), (185, 15647), (196, 15698), (215, 15833), (219, 15848),

Gene: Target_25 Start: 16413, Stop: 17212, Start Num: 64

Candidate Starts for Target_25:
(Start: 30 @16311 has 1 MA's), (55, 16377), (Start: 64 @16413 has 837 MA's), (86, 16524), (115, 16632), (117, 16644), (134, 16713), (182, 16950),

Gene: TarsusIV_25 Start: 15828, Stop: 16648, Start Num: 64
Candidate Starts for TarsusIV_25:
(Start: 64 @15828 has 837 MA's), (80, 15912), (82, 15918), (Start: 94 @15966 has 1 MA's), (108, 16038), (113, 16053), (118, 16080), (128, 16113), (140, 16173), (143, 16188), (182, 16392), (225, 16638),

Gene: Tarynearal_19 Start: 14444, Stop: 15237, Start Num: 64
Candidate Starts for Tarynearal_19:
(Start: 39 @14354 has 3 MA's), (Start: 64 @14444 has 837 MA's), (71, 14483), (73, 14501), (88, 14555), (Start: 94 @14579 has 1 MA's), (100, 14600), (102, 14609), (107, 14636), (114, 14657), (117, 14672), (122, 14693), (126, 14705), (134, 14744), (143, 14777), (148, 14804), (158, 14861), (163, 14882), (165, 14891),

Gene: Tasp14_24 Start: 15782, Stop: 16581, Start Num: 64
Candidate Starts for Tasp14_24:
(Start: 64 @15782 has 837 MA's), (75, 15851), (82, 15875), (85, 15890), (86, 15893), (91, 15911), (129, 16061), (147, 16130), (186, 16343),

Gene: Taurus_26 Start: 15182, Stop: 15978, Start Num: 61
Candidate Starts for Taurus_26:
(Start: 61 @15182 has 92 MA's), (83, 15275), (85, 15287), (Start: 94 @15320 has 1 MA's), (98, 15332), (112, 15407), (115, 15416), (118, 15437), (128, 15479), (136, 15509), (143, 15536), (149, 15581), (218, 15944),

Gene: Tefunt_17 Start: 10836, Stop: 11566, Start Num: 64
Candidate Starts for Tefunt_17:
(18, 10698), (20, 10707), (Start: 64 @10836 has 837 MA's), (95, 10974), (116, 11022), (122, 11046), (147, 11148), (153, 11193), (184, 11340),

Gene: Temprado_28 Start: 15920, Stop: 16740, Start Num: 64
Candidate Starts for Temprado_28:
(24, 15815), (Start: 39 @15830 has 3 MA's), (Start: 50 @15857 has 37 MA's), (Start: 64 @15920 has 837 MA's), (Start: 94 @16058 has 1 MA's), (100, 16079), (116, 16160), (118, 16172), (140, 16265), (143, 16280), (178, 16460), (182, 16484), (199, 16574), (215, 16688), (225, 16733),

Gene: Terrific_27 Start: 16308, Stop: 17137, Start Num: 64
Candidate Starts for Terrific_27:
(56, 16281), (Start: 64 @16308 has 837 MA's), (68, 16335), (80, 16392), (117, 16551), (118, 16560), (140, 16653), (143, 16668), (167, 16788), (182, 16872), (225, 17127),

Gene: Texage_24 Start: 15248, Stop: 16044, Start Num: 61
Candidate Starts for Texage_24:
(40, 15164), (Start: 61 @15248 has 92 MA's), (83, 15341), (100, 15407), (103, 15416), (107, 15443), (118, 15488), (132, 15542), (136, 15560), (143, 15587), (185, 15806), (213, 15983),

Gene: Thanksgivukkah_24 Start: 15102, Stop: 15970, Start Num: 64
Candidate Starts for Thanksgivukkah_24:
(Start: 64 @15102 has 837 MA's), (75, 15168), (83, 15195), (115, 15315), (138, 15408), (140, 15414), (161, 15525), (176, 15603), (181, 15630), (182, 15633), (185, 15648), (196, 15699), (215, 15834),

(219, 15849),

Gene: Theia_19 Start: 14382, Stop: 15175, Start Num: 64
Candidate Starts for Theia_19:
(Start: 64 @14382 has 837 MA's), (73, 14439), (88, 14493), (Start: 94 @14517 has 1 MA's), (100, 14538), (102, 14547), (107, 14574), (114, 14595), (117, 14610), (122, 14631), (126, 14643), (134, 14682), (143, 14715), (148, 14742), (158, 14799), (163, 14820), (165, 14829),

Gene: TheloniousMonk_25 Start: 16832, Stop: 17634, Start Num: 64
Candidate Starts for TheloniousMonk_25:
(Start: 38 @16733 has 21 MA's), (Start: 64 @16832 has 837 MA's), (85, 16940), (99, 16991), (102, 17003), (106, 17036), (118, 17081), (140, 17159), (143, 17174), (147, 17189), (149, 17219),

Gene: Thestral_18 Start: 10890, Stop: 11629, Start Num: 64
Candidate Starts for Thestral_18:
(58, 10872), (Start: 64 @10890 has 837 MA's), (100, 11046), (122, 11106), (173, 11346),

Gene: Thor_22 Start: 15657, Stop: 16456, Start Num: 64
Candidate Starts for Thor_22:
(Start: 64 @15657 has 837 MA's), (75, 15726), (82, 15750), (85, 15765), (86, 15768), (129, 15936),

Gene: Tiffany_26 Start: 15014, Stop: 15873, Start Num: 50
Candidate Starts for Tiffany_26:
(Start: 50 @15014 has 37 MA's), (Start: 61 @15077 has 92 MA's), (83, 15170), (85, 15182), (Start: 94 @15215 has 1 MA's), (98, 15227), (112, 15302), (115, 15311), (118, 15332), (128, 15374), (136, 15404), (143, 15431), (149, 15476), (218, 15839),

Gene: Tiger_21 Start: 14269, Stop: 15062, Start Num: 64
Candidate Starts for Tiger_21:
(27, 14167), (Start: 64 @14269 has 837 MA's), (73, 14326), (88, 14380), (Start: 94 @14404 has 1 MA's), (100, 14425), (102, 14434), (107, 14461), (114, 14482), (117, 14497), (122, 14518), (126, 14530), (134, 14569), (143, 14602), (148, 14629), (158, 14686), (163, 14707), (165, 14716),

Gene: Timothy_25 Start: 16356, Stop: 17164, Start Num: 64
Candidate Starts for Timothy_25:
(Start: 64 @16356 has 837 MA's), (77, 16428), (82, 16446), (Start: 97 @16503 has 1 MA's), (115, 16581), (134, 16674), (161, 16803), (225, 17157),

Gene: Timshel_25 Start: 16706, Stop: 17496, Start Num: 64
Candidate Starts for Timshel_25:
(Start: 64 @16706 has 837 MA's), (73, 16766), (129, 16970), (132, 16979), (137, 17015), (143, 17039), (147, 17054), (149, 17084), (172, 17183), (181, 17240), (185, 17258), (195, 17300),

Gene: TinaBelcher_17 Start: 10838, Stop: 11577, Start Num: 64
Candidate Starts for TinaBelcher_17:
(58, 10820), (Start: 64 @10838 has 837 MA's), (100, 10994), (122, 11054), (173, 11294),

Gene: TinaFeyge_23 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for TinaFeyge_23:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: TinyPebbles_26 Start: 15266, Stop: 16062, Start Num: 61
Candidate Starts for TinyPebbles_26:
(Start: 50 @15203 has 37 MA's), (Start: 61 @15266 has 92 MA's), (83, 15359), (85, 15371), (Start: 94 @15404 has 1 MA's), (98, 15416), (112, 15491), (115, 15500), (118, 15521), (128, 15563), (136, 15593), (143, 15620), (149, 15665), (218, 16028),

Gene: TinyTimmy_25 Start: 16399, Stop: 17207, Start Num: 64
Candidate Starts for TinyTimmy_25:
(Start: 64 @16399 has 837 MA's), (77, 16471), (82, 16489), (Start: 97 @16546 has 1 MA's), (115, 16624), (134, 16717), (161, 16846), (225, 17200),

Gene: Tinybot_23 Start: 15075, Stop: 15943, Start Num: 64
Candidate Starts for Tinybot_23:
(Start: 64 @15075 has 837 MA's), (75, 15141), (83, 15168), (88, 15189), (115, 15288), (138, 15381), (140, 15387), (161, 15498), (176, 15576), (181, 15603), (182, 15606), (185, 15621), (196, 15672), (215, 15807), (219, 15822),

Gene: TipsytheTRex_24 Start: 14931, Stop: 15754, Start Num: 64
Candidate Starts for TipsytheTRex_24:
(Start: 64 @14931 has 837 MA's), (80, 15015), (84, 15027), (108, 15141), (132, 15228), (167, 15411), (182, 15495), (200, 15594), (225, 15744),

Gene: TiroTheta9_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for TiroTheta9_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Toaka_24 Start: 14962, Stop: 15809, Start Num: 62
Candidate Starts for Toaka_24:
(37, 14872), (Start: 62 @14962 has 5 MA's), (70, 15001), (77, 15034), (88, 15073), (Start: 94 @15097 has 1 MA's), (109, 15175), (112, 15184), (134, 15280), (140, 15298), (143, 15313), (154, 15382), (182, 15517), (186, 15541), (219, 15733),

Gene: ToastyOats_21 Start: 10669, Stop: 11441, Start Num: 64
Candidate Starts for ToastyOats_21:
(Start: 64 @10669 has 837 MA's), (78, 10744), (79, 10750), (90, 10792), (131, 10915), (175, 11116), (182, 11158), (197, 11224), (199, 11242), (201, 11257), (216, 11365), (229, 11425),

Gene: Todacoro_25 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Todacoro_25:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Toma_17 Start: 10936, Stop: 11651, Start Num: 64
Candidate Starts for Toma_17:
(Start: 64 @10936 has 837 MA's), (132, 11185), (147, 11245), (162, 11332),

Gene: Tomathan_28 Start: 15695, Stop: 16518, Start Num: 64
Candidate Starts for Tomathan_28:
(Start: 64 @15695 has 837 MA's), (80, 15779), (Start: 94 @15833 has 1 MA's), (108, 15905), (143, 16055), (144, 16058), (166, 16172), (167, 16175), (186, 16283), (206, 16415), (225, 16508),

Gene: ToneTone_26 Start: 15774, Stop: 16654, Start Num: 50
Candidate Starts for ToneTone_26:
(Start: 50 @15774 has 37 MA's), (Start: 64 @15837 has 837 MA's), (Start: 94 @15975 has 1 MA's), (100, 15996), (107, 16044), (116, 16077), (118, 16089), (140, 16182), (178, 16377), (182, 16401), (215, 16602), (225, 16647),

Gene: Toodles_19 Start: 10417, Stop: 11189, Start Num: 64
Candidate Starts for Toodles_19:
(Start: 64 @10417 has 837 MA's), (78, 10492), (90, 10540), (131, 10663), (213, 11107), (216, 11113), (229, 11173),

Gene: Topanga_24 Start: 15051, Stop: 15919, Start Num: 64
Candidate Starts for Topanga_24:
(55, 15021), (Start: 64 @15051 has 837 MA's), (73, 15111), (75, 15117), (Start: 94 @15189 has 1 MA's), (115, 15261), (117, 15273), (136, 15348), (138, 15354), (140, 15360), (151, 15429), (161, 15471), (181, 15576), (196, 15645),

Gene: Topgun_23 Start: 15272, Stop: 16065, Start Num: 64
Candidate Starts for Topgun_23:
(Start: 38 @15173 has 21 MA's), (Start: 64 @15272 has 837 MA's), (75, 15341), (86, 15383), (95, 15416), (134, 15566), (139, 15581), (140, 15584), (141, 15587),

Gene: Tote_25 Start: 16021, Stop: 16820, Start Num: 64
Candidate Starts for Tote_25:
(Start: 38 @15919 has 21 MA's), (Start: 64 @16021 has 837 MA's), (75, 16090), (82, 16114), (85, 16129), (86, 16132), (91, 16150), (129, 16300), (147, 16369),

Gene: Traft412_25 Start: 16491, Stop: 17290, Start Num: 64
Candidate Starts for Traft412_25:
(Start: 64 @16491 has 837 MA's), (86, 16602), (115, 16710), (117, 16722), (134, 16791),

Gene: Treddle_25 Start: 16713, Stop: 17611, Start Num: 38
Candidate Starts for Treddle_25:
(Start: 38 @16713 has 21 MA's), (Start: 64 @16812 has 837 MA's), (75, 16881), (82, 16905), (85, 16920), (86, 16923), (129, 17091), (147, 17160), (186, 17373),

Gene: Trike_22 Start: 13017, Stop: 13885, Start Num: 64
Candidate Starts for Trike_22:
(Start: 50 @12954 has 37 MA's), (Start: 64 @13017 has 837 MA's), (73, 13077), (75, 13083), (Start: 94 @13155 has 1 MA's), (115, 13227), (117, 13239), (138, 13320), (140, 13326), (181, 13542), (182, 13545), (212, 13740),

Gene: Tripl3t_24 Start: 16497, Stop: 17302, Start Num: 64
Candidate Starts for Tripl3t_24:
(Start: 38 @16398 has 21 MA's), (Start: 64 @16497 has 837 MA's), (85, 16605), (99, 16656), (102, 16668), (106, 16701), (118, 16746), (127, 16779), (140, 16824), (143, 16839), (147, 16854), (149, 16884),

Gene: Tristan_26 Start: 17571, Stop: 18379, Start Num: 64
Candidate Starts for Tristan_26:
(Start: 64 @17571 has 837 MA's), (85, 17676), (140, 17910), (141, 17913), (225, 18372),

Gene: Triste_17 Start: 10921, Stop: 11633, Start Num: 64

Candidate Starts for Triste_17:
(Start: 64 @10921 has 837 MA's), (132, 11170), (147, 11230), (162, 11317), (185, 11431),

Gene: Triumph_19 Start: 10851, Stop: 11572, Start Num: 64
Candidate Starts for Triumph_19:
(58, 10833), (Start: 64 @10851 has 837 MA's), (100, 11007), (136, 11121), (147, 11163), (186, 11373), (214, 11526),

Gene: Trixie_28 Start: 17455, Stop: 18284, Start Num: 64
Candidate Starts for Trixie_28:
(24, 17350), (Start: 39 @17365 has 3 MA's), (Start: 50 @17392 has 37 MA's), (Start: 64 @17455 has 837 MA's), (74, 17518), (Start: 94 @17593 has 1 MA's), (118, 17707), (140, 17800), (143, 17815), (181, 18016), (182, 18019), (225, 18274),

Gene: Trooper_25 Start: 15623, Stop: 16443, Start Num: 64
Candidate Starts for Trooper_25:
(Start: 64 @15623 has 837 MA's), (Start: 94 @15761 has 1 MA's), (108, 15833), (113, 15848), (118, 15875), (128, 15908), (140, 15968), (143, 15983), (181, 16184), (182, 16187), (225, 16433),

Gene: Trouble_23 Start: 15760, Stop: 16658, Start Num: 38
Candidate Starts for Trouble_23:
(Start: 38 @15760 has 21 MA's), (Start: 64 @15859 has 837 MA's), (91, 15988), (Start: 94 @16000 has 1 MA's), (129, 16138), (147, 16207),

Gene: TroyPia_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for TroyPia_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: TrvxScott_16 Start: 10708, Stop: 11579, Start Num: 19
Candidate Starts for TrvxScott_16:
(Start: 19 @10708 has 1 MA's), (58, 10822), (Start: 64 @10840 has 837 MA's), (100, 10996), (122, 11056), (173, 11296),

Gene: TuanPN_17 Start: 10930, Stop: 11639, Start Num: 64
Candidate Starts for TuanPN_17:
(Start: 64 @10930 has 837 MA's), (132, 11179), (162, 11326),

Gene: Tubs_26 Start: 16614, Stop: 17461, Start Num: 64
Candidate Starts for Tubs_26:
(Start: 64 @16614 has 837 MA's), (77, 16686), (88, 16725), (109, 16827), (112, 16836), (134, 16932), (140, 16950), (143, 16965), (150, 17013), (182, 17169), (219, 17385),

Gene: Tucker_28 Start: 15923, Stop: 16740, Start Num: 64
Candidate Starts for Tucker_28:
(Start: 50 @15860 has 37 MA's), (Start: 64 @15923 has 837 MA's), (Start: 94 @16061 has 1 MA's), (100, 16082), (107, 16130), (116, 16163), (118, 16175), (140, 16268), (178, 16463), (182, 16487), (215, 16688), (225, 16733),

Gene: Turbido_27 Start: 16296, Stop: 17128, Start Num: 64
Candidate Starts for Turbido_27:

(Start: 64 @16296 has 837 MA's), (80, 16380), (108, 16509), (118, 16551), (128, 16584), (140, 16644), (143, 16659), (166, 16776), (167, 16779), (182, 16863), (225, 17118),

Gene: Turj99_22 Start: 15197, Stop: 16095, Start Num: 38
Candidate Starts for Turj99_22:
(Start: 38 @15197 has 21 MA's), (Start: 64 @15296 has 837 MA's), (75, 15365), (82, 15389), (85, 15404), (86, 15407), (91, 15425), (129, 15575),

Gene: Twigg_21 Start: 14417, Stop: 15210, Start Num: 64
Candidate Starts for Twigg_21:
(27, 14312), (Start: 50 @14351 has 37 MA's), (Start: 64 @14417 has 837 MA's), (71, 14456), (73, 14474), (88, 14528), (Start: 94 @14552 has 1 MA's), (100, 14573), (102, 14582), (107, 14609), (114, 14630), (117, 14645), (122, 14666), (126, 14678), (134, 14717), (143, 14750), (148, 14777), (158, 14834), (163, 14855), (165, 14864),

Gene: Twister_24 Start: 14950, Stop: 15818, Start Num: 64
Candidate Starts for Twister_24:
(55, 14920), (Start: 64 @14950 has 837 MA's), (73, 15010), (75, 15016), (Start: 94 @15088 has 1 MA's), (115, 15160), (117, 15172), (136, 15247), (138, 15253), (140, 15259), (151, 15328), (161, 15370), (181, 15475), (196, 15544),

Gene: TwoPeat_24 Start: 15811, Stop: 16610, Start Num: 64
Candidate Starts for TwoPeat_24:
(Start: 38 @15712 has 21 MA's), (Start: 64 @15811 has 837 MA's), (91, 15940), (Start: 94 @15952 has 1 MA's), (115, 16030), (117, 16042), (147, 16159),

Gene: TygerBlood_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for TygerBlood_24:
(42, 15011), (Start: 50 @15035 has 37 MA's), (Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Ugenie5_23 Start: 16647, Stop: 17494, Start Num: 64
Candidate Starts for Ugenie5_23:
(Start: 64 @16647 has 837 MA's), (77, 16719), (88, 16758), (109, 16860), (112, 16869), (134, 16965), (140, 16983), (143, 16998), (150, 17046), (182, 17202), (219, 17418),

Gene: UhSalsa_20 Start: 11349, Stop: 12124, Start Num: 64
Candidate Starts for UhSalsa_20:
(Start: 64 @11349 has 837 MA's), (95, 11487), (Start: 97 @11493 has 1 MA's), (110, 11544), (138, 11649), (140, 11655), (147, 11685), (149, 11715), (151, 11724), (159, 11760), (163, 11775), (165, 11784), (181, 11871), (182, 11874), (194, 11925), (195, 11931), (211, 12066),

Gene: Ulysses_23 Start: 14819, Stop: 15687, Start Num: 64
Candidate Starts for Ulysses_23:
(Start: 64 @14819 has 837 MA's), (75, 14885), (83, 14912), (115, 15032), (138, 15125), (140, 15131), (161, 15242), (176, 15320), (181, 15347), (182, 15350), (185, 15365), (196, 15416), (215, 15551), (219, 15566),

Gene: UnionJack_20 Start: 13935, Stop: 14791, Start Num: 50
Candidate Starts for UnionJack_20:
(27, 13896), (Start: 50 @13935 has 37 MA's), (Start: 64 @13998 has 837 MA's), (71, 14037), (Start: 94 @14133 has 1 MA's), (100, 14154), (107, 14190), (117, 14226), (136, 14304), (143, 14331), (147,

14346), (159, 14421), (165, 14445), (172, 14475), (174, 14490), (181, 14532), (182, 14535), (191, 14580), (213, 14742),

Gene: Unstoppable_17 Start: 10941, Stop: 11656, Start Num: 64
Candidate Starts for Unstoppable_17:
(Start: 64 @10941 has 837 MA's), (132, 11190), (147, 11250), (162, 11337),

Gene: Updawg_27 Start: 16296, Stop: 17125, Start Num: 64
Candidate Starts for Updawg_27:
(56, 16269), (Start: 64 @16296 has 837 MA's), (68, 16323), (80, 16380), (117, 16539), (118, 16548), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: Urza_17 Start: 11226, Stop: 11938, Start Num: 64
Candidate Starts for Urza_17:
(Start: 64 @11226 has 837 MA's), (116, 11412), (132, 11478), (136, 11496), (147, 11538), (161, 11619),

Gene: VA6_25 Start: 15807, Stop: 16636, Start Num: 64
Candidate Starts for VA6_25:
(Start: 39 @15717 has 3 MA's), (Start: 50 @15744 has 37 MA's), (Start: 64 @15807 has 837 MA's), (68, 15834), (74, 15870), (108, 16020), (118, 16062), (128, 16095), (140, 16155), (143, 16170), (167, 16290), (182, 16374), (225, 16626),

Gene: VC3_28 Start: 15838, Stop: 16661, Start Num: 64
Candidate Starts for VC3_28:
(Start: 64 @15838 has 837 MA's), (80, 15922), (Start: 94 @15976 has 1 MA's), (108, 16048), (143, 16198), (144, 16201), (166, 16315), (167, 16318), (186, 16426), (206, 16558), (225, 16651),

Gene: Vanisoa_24 Start: 14692, Stop: 15539, Start Num: 62
Candidate Starts for Vanisoa_24:
(36, 14602), (Start: 62 @14692 has 5 MA's), (77, 14764), (Start: 94 @14827 has 1 MA's), (109, 14905), (112, 14914), (134, 15010), (140, 15028), (143, 15043), (154, 15112), (159, 15133), (182, 15247), (186, 15271), (199, 15337), (219, 15463),

Gene: Veracruz_24 Start: 15247, Stop: 16043, Start Num: 61
Candidate Starts for Veracruz_24:
(Start: 61 @15247 has 92 MA's), (83, 15340), (100, 15406), (103, 15415), (107, 15442), (118, 15487), (132, 15541), (136, 15559), (143, 15586), (185, 15805), (186, 15814), (213, 15982),

Gene: Verse_17 Start: 11135, Stop: 11844, Start Num: 64
Candidate Starts for Verse_17:
(Start: 64 @11135 has 837 MA's), (116, 11318), (136, 11402), (162, 11531), (184, 11636),

Gene: VieEnRose_17 Start: 11292, Stop: 12004, Start Num: 64
Candidate Starts for VieEnRose_17:
(17, 11148), (Start: 64 @11292 has 837 MA's), (116, 11478), (132, 11544), (136, 11562), (147, 11604), (161, 11685),

Gene: Violet_22 Start: 16104, Stop: 16903, Start Num: 64
Candidate Starts for Violet_22:
(Start: 64 @16104 has 837 MA's), (75, 16173), (82, 16197), (85, 16212), (86, 16215), (91, 16233), (129, 16383),

Gene: Vix_26 Start: 15265, Stop: 16061, Start Num: 61
Candidate Starts for Vix_26:
(Start: 50 @15202 has 37 MA's), (Start: 61 @15265 has 92 MA's), (83, 15358), (85, 15370), (Start: 94 @15403 has 1 MA's), (98, 15415), (112, 15490), (115, 15499), (118, 15520), (128, 15562), (136, 15592), (143, 15619), (149, 15664), (218, 16027),

Gene: VohminGhazi_28 Start: 15922, Stop: 16742, Start Num: 64
Candidate Starts for VohminGhazi_28:
(Start: 50 @15859 has 37 MA's), (Start: 64 @15922 has 837 MA's), (Start: 94 @16060 has 1 MA's), (100, 16081), (116, 16162), (118, 16174), (140, 16267), (143, 16282), (178, 16462), (182, 16486), (199, 16576), (215, 16690), (225, 16735),

Gene: Waits_27 Start: 14915, Stop: 15819, Start Num: 64
Candidate Starts for Waits_27:
(57, 14885), (Start: 64 @14915 has 837 MA's), (82, 15005), (133, 15215), (138, 15233), (140, 15239), (147, 15269), (161, 15350), (163, 15359), (194, 15509), (213, 15665), (221, 15713), (226, 15722),

Gene: WalterMcMickey_24 Start: 14950, Stop: 15818, Start Num: 64
Candidate Starts for WalterMcMickey_24:
(55, 14920), (Start: 64 @14950 has 837 MA's), (73, 15010), (75, 15016), (Start: 94 @15088 has 1 MA's), (115, 15160), (117, 15172), (136, 15247), (138, 15253), (140, 15259), (151, 15328), (161, 15370), (181, 15475), (196, 15544),

Gene: Wander_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Wander_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Warrior24_27 Start: 14919, Stop: 15823, Start Num: 64
Candidate Starts for Warrior24_27:
(57, 14889), (Start: 64 @14919 has 837 MA's), (82, 15009), (133, 15219), (138, 15237), (140, 15243), (147, 15273), (161, 15354), (163, 15363), (194, 15513), (213, 15669), (221, 15717), (226, 15726),

Gene: Watermelon_25 Start: 16409, Stop: 17208, Start Num: 64
Candidate Starts for Watermelon_25:
(Start: 64 @16409 has 837 MA's), (91, 16538), (Start: 94 @16550 has 1 MA's), (115, 16628), (117, 16640), (147, 16757),

Gene: Watson_26 Start: 15175, Stop: 15971, Start Num: 61
Candidate Starts for Watson_26:
(Start: 50 @15112 has 37 MA's), (Start: 61 @15175 has 92 MA's), (83, 15268), (85, 15280), (Start: 94 @15313 has 1 MA's), (98, 15325), (112, 15400), (115, 15409), (118, 15430), (128, 15472), (136, 15502), (143, 15529), (149, 15574), (150, 15577), (218, 15937),

Gene: WeiHuaDA_30 Start: 18062, Stop: 18891, Start Num: 64
Candidate Starts for WeiHuaDA_30:
(Start: 39 @17972 has 3 MA's), (Start: 50 @17999 has 37 MA's), (Start: 64 @18062 has 837 MA's), (74, 18125), (Start: 94 @18200 has 1 MA's), (98, 18212), (108, 18272), (118, 18314), (121, 18323), (129, 18350), (140, 18407), (143, 18422), (181, 18623), (225, 18881),

Gene: Werner_17 Start: 10931, Stop: 11643, Start Num: 64
Candidate Starts for Werner_17:

(Start: 64 @10931 has 837 MA's), (132, 11180), (147, 11240), (162, 11327),

Gene: Whabigail7_27 Start: 16284, Stop: 17116, Start Num: 64
Candidate Starts for Whabigail7_27:
(Start: 64 @16284 has 837 MA's), (68, 16311), (74, 16347), (80, 16368), (108, 16497), (118, 16539), (128, 16572), (140, 16632), (143, 16647), (167, 16767), (182, 16851), (225, 17106),

Gene: Whatever_17 Start: 10931, Stop: 11643, Start Num: 64
Candidate Starts for Whatever_17:
(Start: 64 @10931 has 837 MA's), (132, 11180), (147, 11240), (162, 11327),

Gene: Wheeler_23 Start: 15865, Stop: 16664, Start Num: 64
Candidate Starts for Wheeler_23:
(Start: 64 @15865 has 837 MA's), (91, 15994), (Start: 94 @16006 has 1 MA's), (117, 16096), (147, 16213), (223, 16657),

Gene: WideWale_27 Start: 16296, Stop: 17125, Start Num: 64
Candidate Starts for WideWale_27:
(56, 16269), (Start: 64 @16296 has 837 MA's), (68, 16323), (80, 16380), (117, 16539), (118, 16548), (140, 16641), (143, 16656), (167, 16776), (182, 16860), (225, 17115),

Gene: Wiks_28 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for Wiks_28:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469), (215, 16670), (225, 16715),

Gene: Wilbur_24 Start: 15098, Stop: 15966, Start Num: 64
Candidate Starts for Wilbur_24:
(Start: 64 @15098 has 837 MA's), (75, 15164), (83, 15191), (115, 15311), (138, 15404), (140, 15410), (161, 15521), (176, 15599), (181, 15626), (182, 15629), (185, 15644), (196, 15695), (215, 15830), (219, 15845),

Gene: Wile_24 Start: 15105, Stop: 15973, Start Num: 64
Candidate Starts for Wile_24:
(Start: 64 @15105 has 837 MA's), (75, 15171), (83, 15198), (85, 15210), (88, 15219), (Start: 94 @15243 has 1 MA's), (115, 15318), (138, 15411), (140, 15417), (161, 15528), (176, 15606), (180, 15621), (181, 15633), (185, 15651), (196, 15702), (215, 15837), (219, 15852),

Gene: Wilkins_23 Start: 15272, Stop: 16065, Start Num: 64
Candidate Starts for Wilkins_23:
(Start: 38 @15173 has 21 MA's), (Start: 64 @15272 has 837 MA's), (75, 15341), (86, 15383), (95, 15416), (134, 15566), (139, 15581), (140, 15584), (141, 15587),

Gene: Wizard007_24 Start: 15100, Stop: 15968, Start Num: 64
Candidate Starts for Wizard007_24:
(Start: 64 @15100 has 837 MA's), (75, 15166), (83, 15193), (115, 15313), (138, 15406), (140, 15412), (161, 15523), (176, 15601), (181, 15628), (182, 15631), (185, 15646), (196, 15697), (215, 15832), (219, 15847),

Gene: Wolpertinger_24 Start: 16506, Stop: 17167, Start Num: 97
Candidate Starts for Wolpertinger_24:

(Start: 64 @16359 has 837 MA's), (77, 16431), (82, 16449), (Start: 97 @16506 has 1 MA's), (115, 16584), (134, 16677), (161, 16806), (225, 17160),

Gene: Wooldri_28 Start: 15094, Stop: 15890, Start Num: 61
Candidate Starts for Wooldri_28:
(Start: 50 @15031 has 37 MA's), (Start: 61 @15094 has 92 MA's), (83, 15187), (85, 15199), (Start: 94 @15232 has 1 MA's), (98, 15244), (112, 15319), (115, 15328), (118, 15349), (128, 15391), (136, 15421), (143, 15448), (149, 15493), (218, 15856),

Gene: WunderPhul_27 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for WunderPhul_27:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469), (215, 16670), (225, 16715),

Gene: Xena_24 Start: 15092, Stop: 15960, Start Num: 64
Candidate Starts for Xena_24:
(Start: 64 @15092 has 837 MA's), (75, 15158), (83, 15185), (85, 15197), (88, 15206), (Start: 94 @15230 has 1 MA's), (115, 15305), (138, 15398), (140, 15404), (161, 15515), (176, 15593), (180, 15608), (181, 15620), (185, 15638), (196, 15689), (215, 15824), (219, 15839),

Gene: XianYue_25 Start: 15758, Stop: 16587, Start Num: 64
Candidate Starts for XianYue_25:
(4, 15509), (8, 15545), (10, 15593), (24, 15656), (Start: 39 @15671 has 3 MA's), (Start: 64 @15758 has 837 MA's), (74, 15821), (80, 15842), (85, 15863), (Start: 94 @15896 has 1 MA's), (118, 16010), (128, 16043), (140, 16103), (143, 16118), (178, 16298), (181, 16319), (182, 16322), (225, 16577),

Gene: Yasdnil_17 Start: 10926, Stop: 11635, Start Num: 64
Candidate Starts for Yasdnil_17:
(Start: 64 @10926 has 837 MA's), (132, 11175), (162, 11322),

Gene: Yecey3_25 Start: 14721, Stop: 15547, Start Num: 62
Candidate Starts for Yecey3_25:
(37, 14631), (Start: 62 @14721 has 5 MA's), (70, 14760), (77, 14793), (88, 14832), (Start: 94 @14856 has 1 MA's), (109, 14934), (112, 14943), (122, 14985), (134, 15039), (140, 15057), (143, 15072), (159, 15162), (172, 15216), (185, 15291), (209, 15447), (212, 15465), (219, 15492),

Gene: YoSam321_24 Start: 15095, Stop: 15963, Start Num: 64
Candidate Starts for YoSam321_24:
(Start: 64 @15095 has 837 MA's), (75, 15161), (83, 15188), (115, 15308), (138, 15401), (140, 15407), (161, 15518), (176, 15596), (181, 15623), (182, 15626), (185, 15641), (196, 15692), (215, 15827), (219, 15842),

Gene: Yogi_20 Start: 11323, Stop: 12098, Start Num: 64
Candidate Starts for Yogi_20:
(Start: 64 @11323 has 837 MA's), (95, 11461), (Start: 97 @11467 has 1 MA's), (110, 11518), (121, 11557), (138, 11623), (140, 11629), (147, 11659), (149, 11689), (151, 11698), (163, 11749), (165, 11758), (181, 11845), (194, 11899), (195, 11905), (211, 12040),

Gene: Yokurt_28 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for Yokurt_28:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469),

(215, 16670), (225, 16715),

Gene: Yoncess_20 Start: 11323, Stop: 12098, Start Num: 64
Candidate Starts for Yoncess_20:
(Start: 64 @11323 has 837 MA's), (95, 11461), (Start: 97 @11467 has 1 MA's), (110, 11518), (121, 11557), (138, 11623), (140, 11629), (147, 11659), (149, 11689), (151, 11698), (163, 11749), (181, 11845), (194, 11899), (195, 11905), (211, 12040),

Gene: Yosif_18 Start: 11220, Stop: 11932, Start Num: 64
Candidate Starts for Yosif_18:
(Start: 64 @11220 has 837 MA's), (95, 11355), (116, 11403), (132, 11469), (161, 11610),

Gene: Zaheer_19 Start: 10426, Stop: 11198, Start Num: 64
Candidate Starts for Zaheer_19:
(Start: 64 @10426 has 837 MA's), (78, 10501), (90, 10549), (131, 10672), (175, 10873), (182, 10915), (199, 10999), (201, 11014), (229, 11182),

Gene: Zainub_19 Start: 11374, Stop: 12116, Start Num: 64
Candidate Starts for Zainub_19:
(59, 11356), (Start: 64 @11374 has 837 MA's), (100, 11530), (132, 11626), (147, 11686), (173, 11824),

Gene: Zaka_28 Start: 15905, Stop: 16722, Start Num: 64
Candidate Starts for Zaka_28:
(Start: 50 @15842 has 37 MA's), (Start: 64 @15905 has 837 MA's), (Start: 94 @16043 has 1 MA's), (100, 16064), (107, 16112), (116, 16145), (118, 16157), (140, 16250), (178, 16445), (182, 16469), (215, 16670), (225, 16715),

Gene: ZamZam_17 Start: 10848, Stop: 11554, Start Num: 64
Candidate Starts for ZamZam_17:
(40, 10752), (47, 10764), (Start: 64 @10848 has 837 MA's), (116, 11031), (131, 11094), (136, 11115), (162, 11244), (184, 11349),

Gene: Zeeculate_22 Start: 15551, Stop: 16344, Start Num: 64
Candidate Starts for Zeeculate_22:
(Start: 38 @15452 has 21 MA's), (Start: 64 @15551 has 837 MA's), (75, 15620), (86, 15662), (95, 15695), (134, 15845), (139, 15860), (140, 15863), (141, 15866),

Gene: Zemlya_18 Start: 10950, Stop: 11662, Start Num: 64
Candidate Starts for Zemlya_18:
(Start: 64 @10950 has 837 MA's), (100, 11103), (132, 11199), (162, 11346), (164, 11352), (186, 11469),

Gene: Zephyr_23 Start: 15543, Stop: 16441, Start Num: 38
Candidate Starts for Zephyr_23:
(Start: 38 @15543 has 21 MA's), (Start: 64 @15642 has 837 MA's), (91, 15771), (Start: 94 @15783 has 1 MA's), (147, 15990),

Gene: Zetzy_25 Start: 14717, Stop: 15513, Start Num: 61
Candidate Starts for Zetzy_25:
(51, 14663), (52, 14684), (Start: 61 @14717 has 92 MA's), (83, 14810), (85, 14822), (98, 14867), (112, 14942), (115, 14951), (118, 14972), (128, 15014), (134, 15038), (136, 15044), (143, 15071), (149, 15116), (218, 15479),

Gene: Zeuska_24 Start: 16076, Stop: 16875, Start Num: 64
Candidate Starts for Zeuska_24:
(Start: 64 @16076 has 837 MA's), (86, 16187), (115, 16295), (117, 16307), (134, 16376),

Gene: Zimmer_27 Start: 17406, Stop: 18229, Start Num: 64
Candidate Starts for Zimmer_27:
(Start: 64 @17406 has 837 MA's), (77, 17478), (85, 17508), (88, 17517), (Start: 94 @17541 has 1 MA's), (112, 17628), (134, 17724), (143, 17757), (149, 17802), (182, 17961), (219, 18177), (222, 18207),

Gene: Zolita_20 Start: 14552, Stop: 15345, Start Num: 64
Candidate Starts for Zolita_20:
(53, 14522), (Start: 64 @14552 has 837 MA's), (88, 14663), (100, 14708), (107, 14744), (117, 14780), (122, 14801), (135, 14855), (137, 14861), (143, 14885), (148, 14912), (158, 14969), (163, 14990), (166, 15002),

Gene: Zucker_17 Start: 9501, Stop: 10285, Start Num: 65
Candidate Starts for Zucker_17:
(Start: 65 @9501 has 2 MA's), (79, 9582), (117, 9702), (140, 9792), (145, 9813), (155, 9879), (161, 9903), (162, 9909), (182, 10002), (203, 10128), (213, 10203), (220, 10224), (229, 10269),

Gene: Zulu_28 Start: 15904, Stop: 16721, Start Num: 64
Candidate Starts for Zulu_28:
(Start: 50 @15841 has 37 MA's), (Start: 64 @15904 has 837 MA's), (Start: 94 @16042 has 1 MA's), (100, 16063), (107, 16111), (116, 16144), (118, 16156), (140, 16249), (178, 16444), (182, 16468), (215, 16669), (225, 16714),