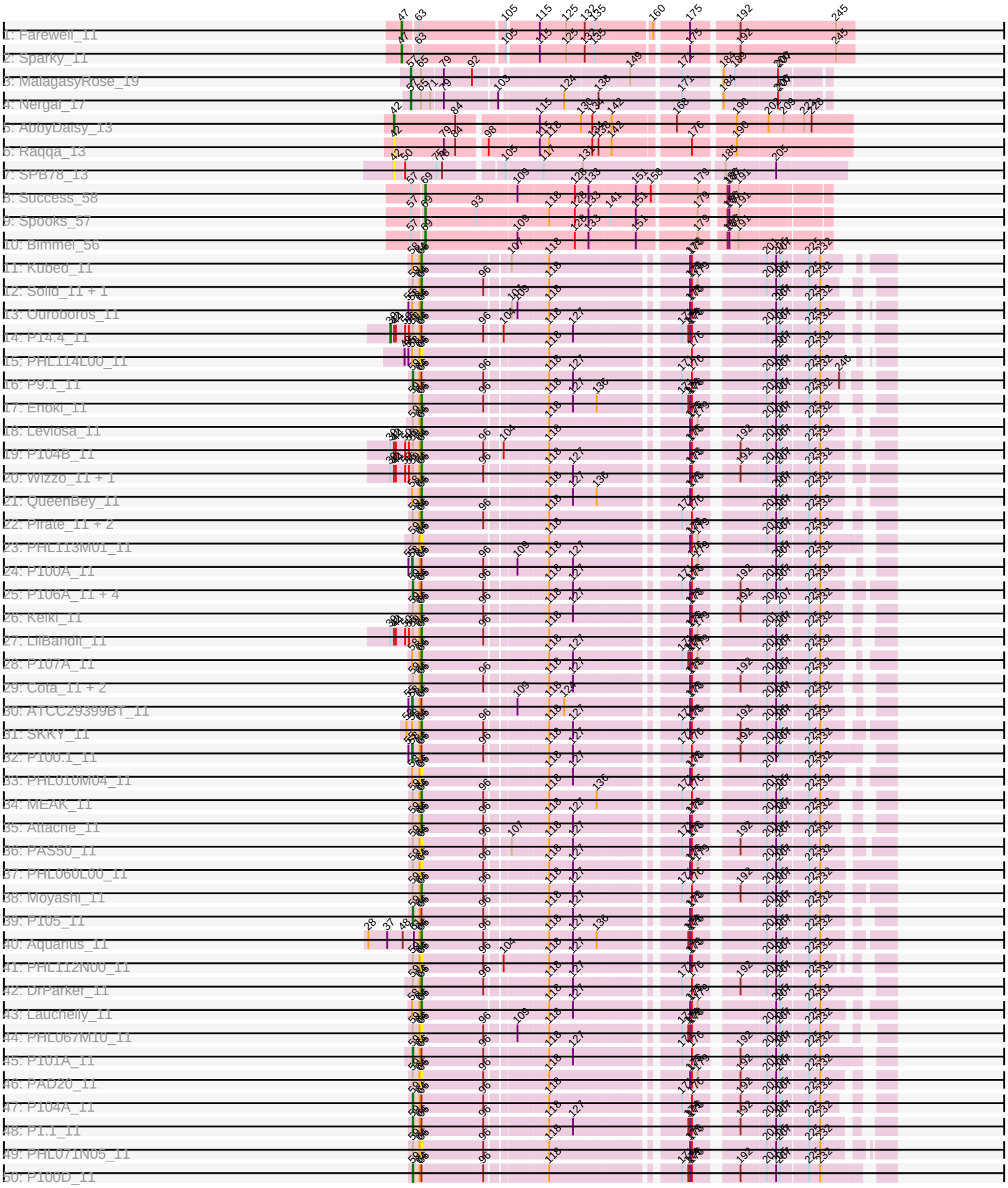
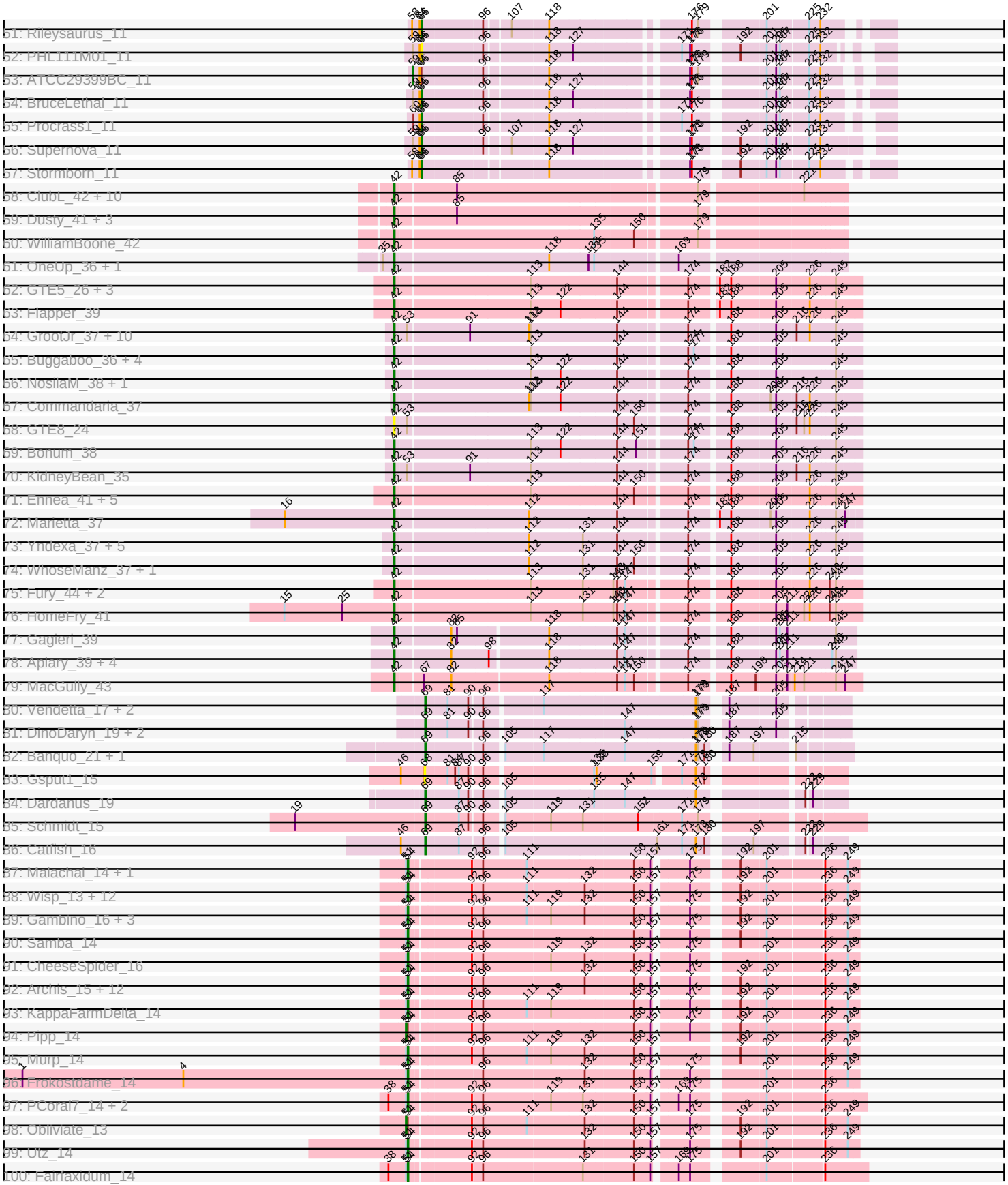
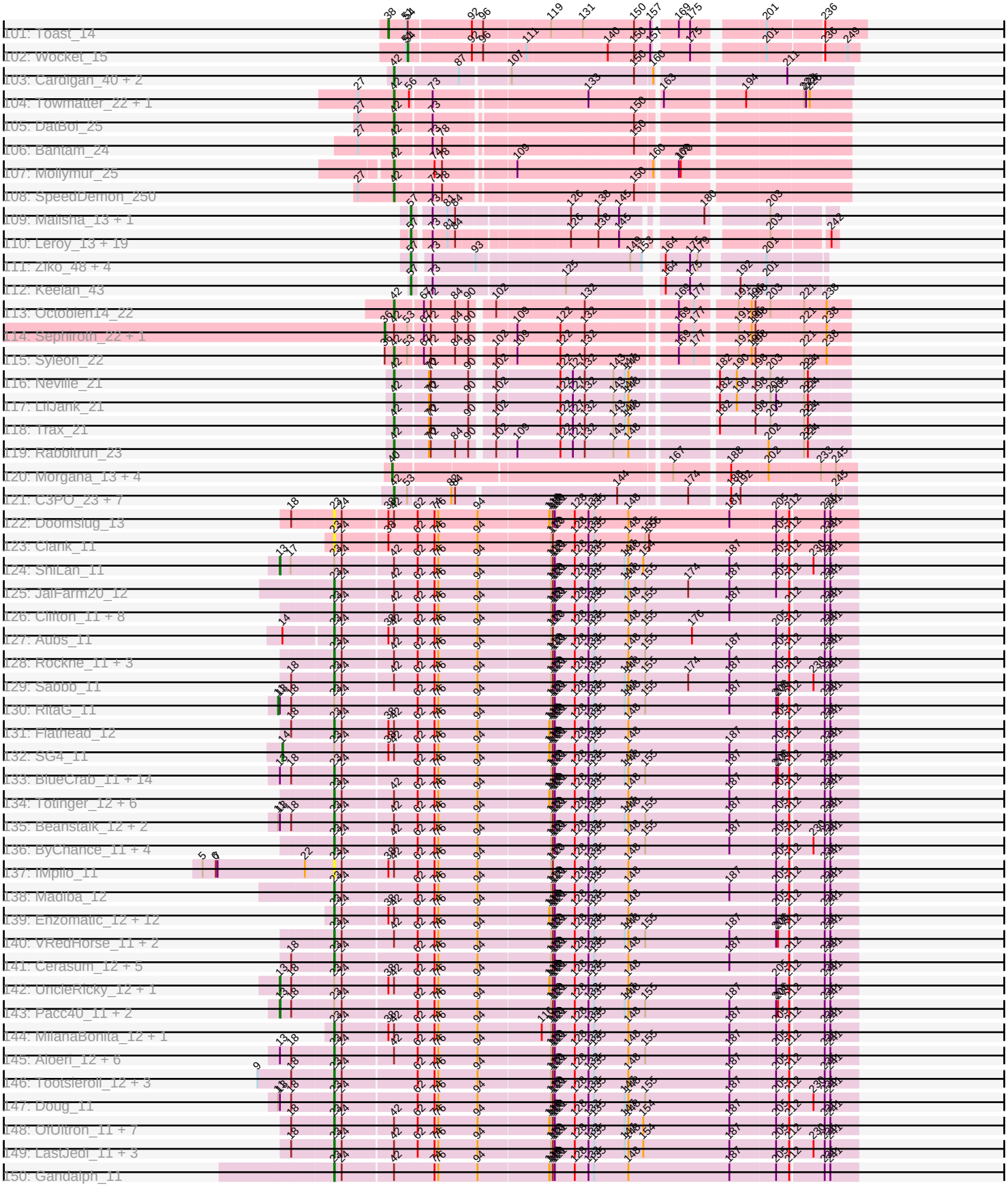
Pham 347043


1: Farewell_11
2: Sparky_11
3: MalagasyRose_19
4: Nergal_17
5: AbbyDaisy_13
6: Raqqa_13
7: SPB78_13
8: Success_58
9: Spooks_57
10: Bimmel_56
11: Kubed_11
12: Solid_11 + 1
13: Ouroboros_11
14: P14.4_11
15: PHL114L00_11
16: P9.1_11
17: Enoki_11
18: Leviosa_11
19: P104B_11
20: Wizzo_11 + 1
21: QueenBey_11
22: Pirate_11 + 2
23: PHL113M01_11
24: P100A_11
25: P106A_11 + 4
26: Keiki_11
27: LilBandit_11
28: P107A_11
29: Cota_11 + 2
30: ATCC29399BT_11
31: SKKY_11
32: P100.1_11
33: PHL010M04_11
34: MEAK_11
35: Attache_11
36: PAS50_11
37: PHL060L00_11
38: Moyashi_11
39: P105_11
40: Aquarius_11
41: PHL112N00_11
42: DrParker_11
43: Lauchelly_11
44: PHL067M10_11
45: P101A_11
46: PAD20_11
47: P104A_11
48: P1.1_11
49: PHL071N05_11
50: P100D_11

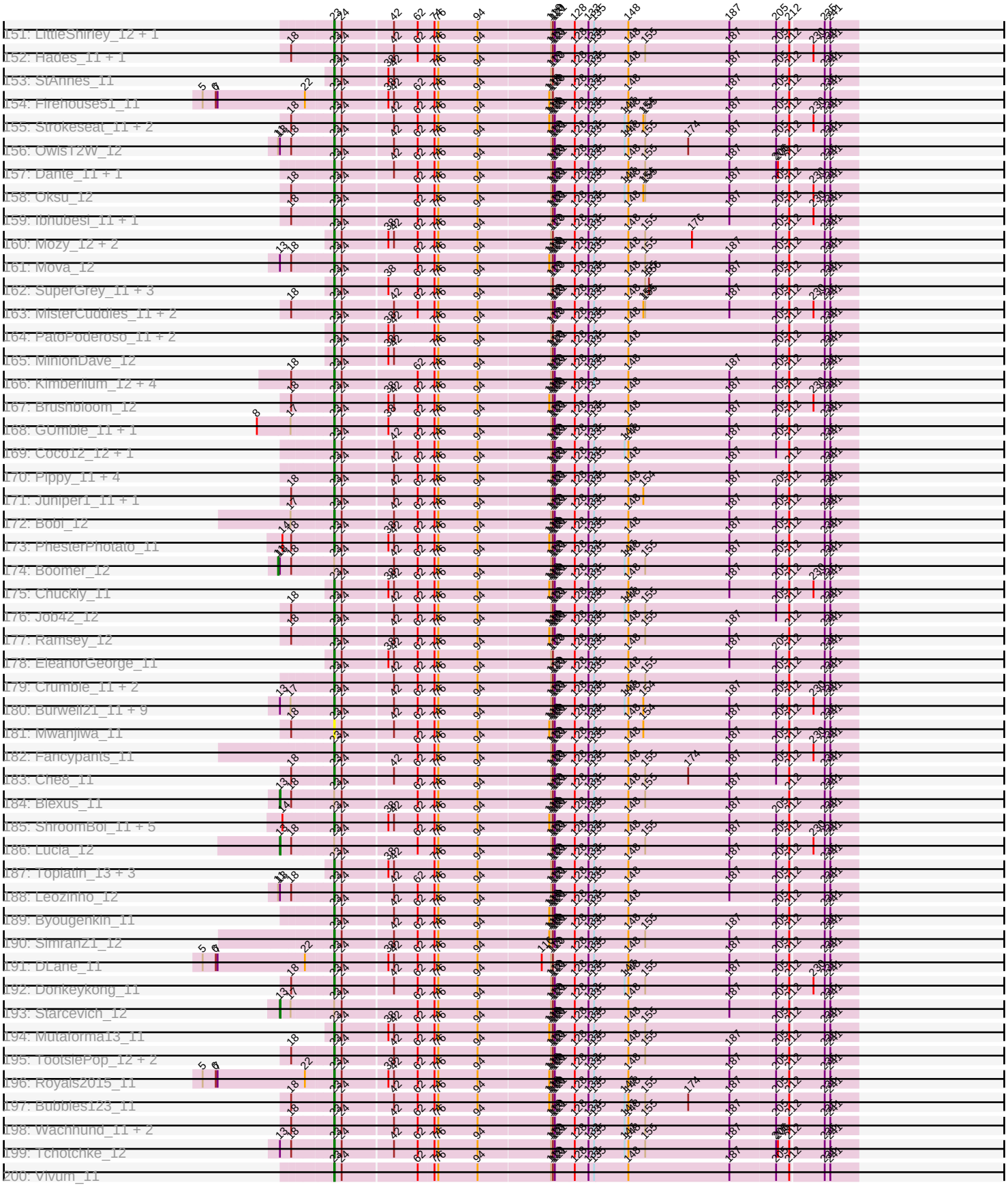
Pham 347043


51: Rileysaurus_11
52: PHLI11M01_11
53: ATCC29399BC_11
54: BruceLethal_11
55: Procrass1_11
56: Supernova_11
57: Stormborn_11
58: ClubL_42 + 10
59: Dusty_41 + 3
60: WilliamBoone_42
61: OneUp_36 + 1
62: GTE5_26 + 3
63: Flapper_39
64: GrootJr_37 + 10
65: Buggaboo_36 + 4
66: NosilaM_38 + 1
67: Commandaria_37
68: GTE8_24
69: Bonum_38
70: KidneyBean_35
71: Ennea_41 + 5
72: Marietta_37
73: Yndexa_37 + 5
74: WhoseManz_37 + 1
75: Fury_44 + 2
76: HomeFry_41
77: Gagleri_39
78: Apiary_39 + 4
79: MacGully_43
80: Vendetta_17 + 2
81: DinoDaryn_19 + 2
82: Banquo_21 + 1
83: Gsputi_15
84: Dardanus_19
85: Schmidt_15
86: Catfish_16
87: Malachai_14 + 1
88: Wisp_13 + 12
89: Gambino_16 + 3
90: Samba_14
91: CheeseSpider_16
92: Archis_15 + 12
93: KappaFarmDelta_14
94: Pipp_14
95: Murp_14
96: Frokostdame_14
97: PCoral7_14 + 2
98: Oblivlate_13
99: Utz_14
100: Fairaxidum_14

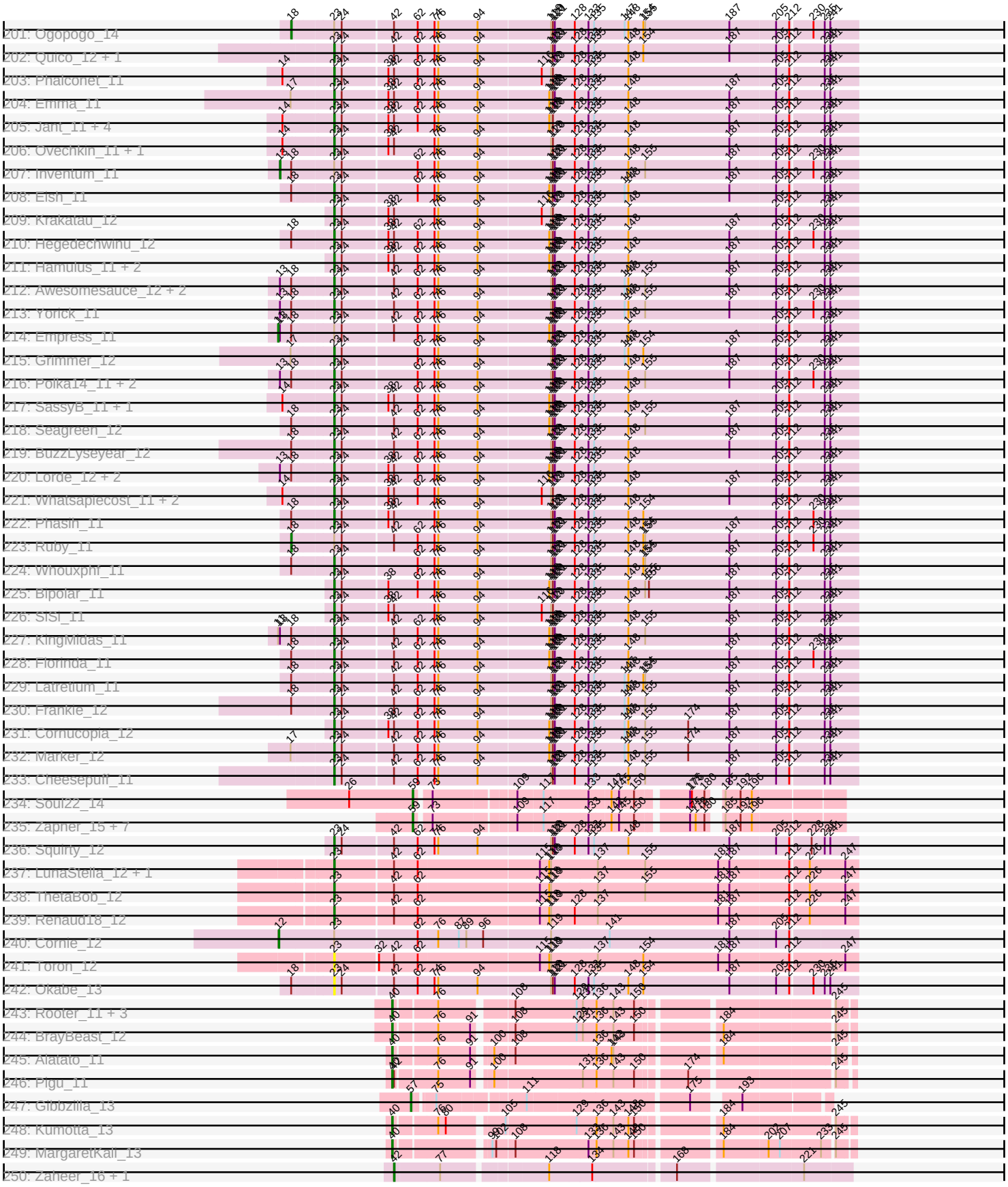
Pham 347043


I01: Toast_14
I02: Wocket_15
I03: Cardigan_40 + 2
I04: Towmatter_22 + 1
I05: DatBoi_25
I06: Bantam_24
I07: Mollymur_25
I08: SpeedDemon_250
I09: Mallsha_13 + 1
I10: Leroy_13 + 19
I11: Ziko_48 + 4
I12: Keelan_43
I13: Octobien14_22
I14: Sephiroth_22 + 1
I15: Syleon_22
I16: Neville_21
I17: LilJank_21
I18: Trax_21
I19: Rabbitrun_23
I20: Morgana_13 + 4
I21: C3PO_23 + 7
I22: Doomslug_13
I23: Clank_11
I24: ShiLan_11
I25: JalFarm20_12
I26: Clifton_11 + 8
I27: Aubs_11
I28: Rockne_11 + 3
I29: Sabob_11
I30: RitaG_11
I31: Flathead_12
I32: SG4_11
I33: BlueCrab_11 + 14
I34: Tolinger_12 + 6
I35: Beanstalk_12 + 2
I36: ByChance_11 + 4
I37: Implio_11
I38: Madiba_12
I39: Enzomatic_12 + 12
I40: VRedHorse_11 + 2
I41: Cerasum_12 + 5
I42: UncleRicky_12 + 1
I43: Pacc40_11 + 2
I44: MilanaBonita_12 + 1
I45: Aloeri_12 + 6
I46: Tootsieroll_12 + 3
I47: Doug_11
I48: OfOltron_11 + 7
I49: LastJedi_11 + 3
I50: Gandalph_11

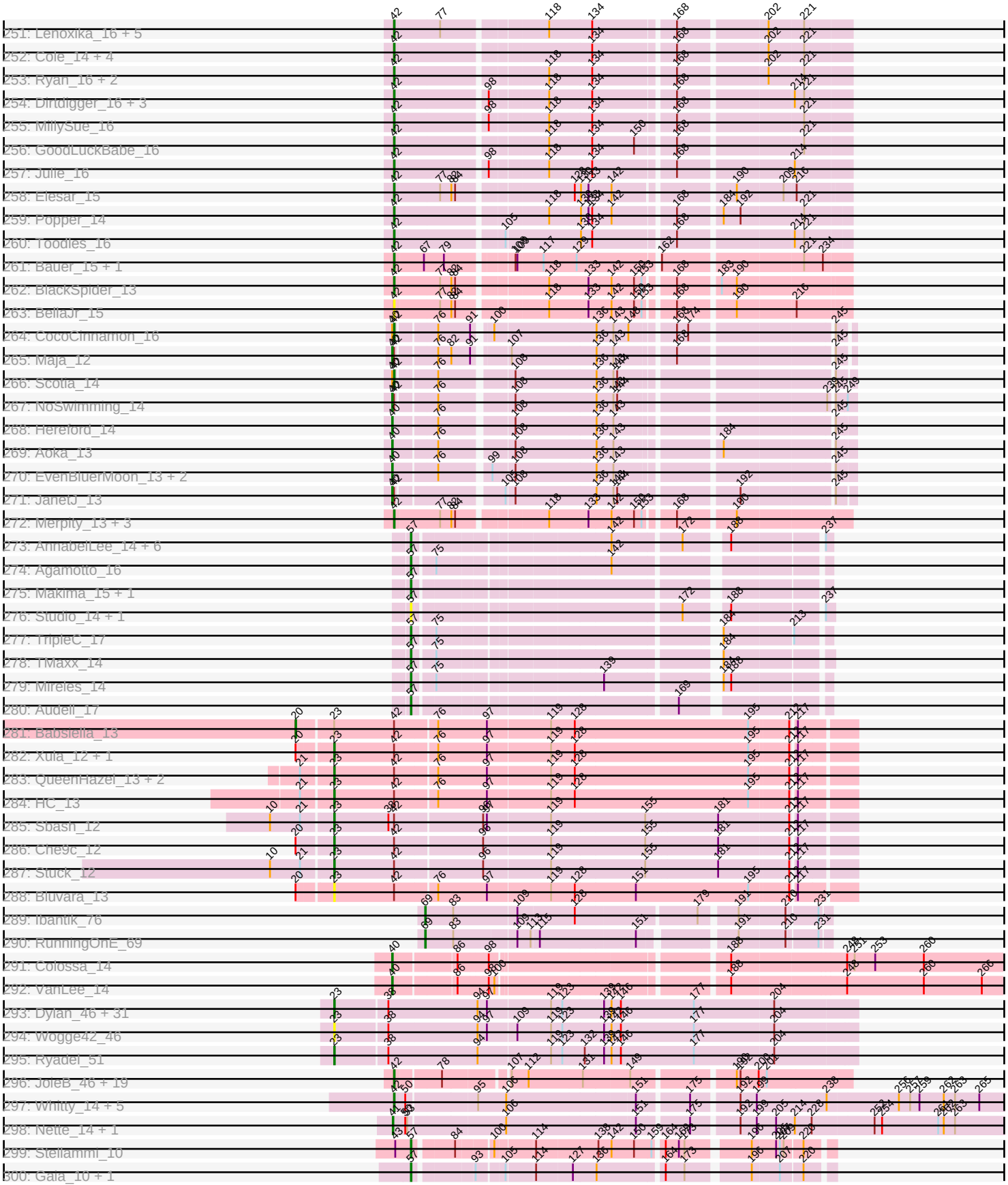
Pham 347043


151: LittleShirley_12 + 1
152: Hades_11 + 1
153: StAnnes_11
154: Firehouse51_11
155: Strokeseat_11 + 2
156: Owls12W_12
157: Dante_11 + 1
158: Oksu_12
159: Ibnubesi_11 + 1
160: Mozy_12 + 2
161: Mova_12
162: SuperGrey_11 + 3
163: MisterCuddles_11 + 2
164: PatoPoderoso_11 + 2
165: MinionDave_12
166: Kimberlium_12 + 4
167: Brushbloom_12
168: GOmble_11 + 1
169: Coco12_12 + 1
170: Pippy_11 + 4
171: Juniper1_11 + 1
172: Bobi_12
173: PhesterPhotato_11
174: Boomer_12
175: Chuckly_11
176: Job42_12
177: Ramsey_12
178: EleanorGeorge_11
179: Crumble_11 + 2
180: Burwell21_11 + 9
181: Mwanjiwa_11
182: Fancypants_11
183: Che8_11
184: Blexus_11
185: ShroomBoi_11 + 5
186: Lucia_12
187: Toplatin_13 + 3
188: Leozinho_12
189: Byougenkin_11
190: Simran21_12
191: DLane_11
192: Donkeykong_11
193: Starcevich_12
194: Mutaforma13_11
195: TootsiePop_12 + 2
196: Royals2015_11
197: Bubbles123_11
198: Wachhund_11 + 2
199: Tchotchke_12
200: Vivum_11

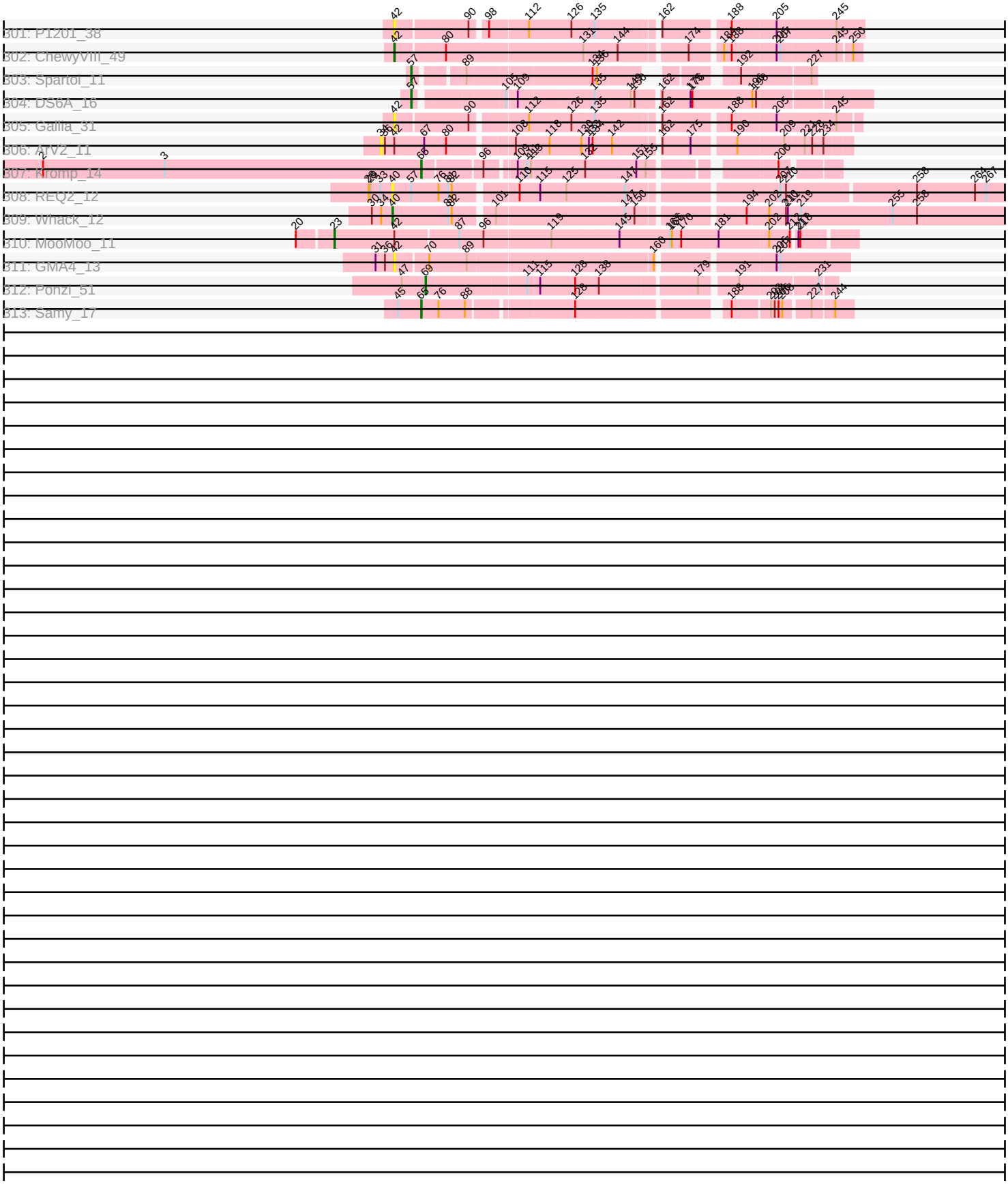
Pham 347043


201: Ogopogo_14
202: Quico_12 + 1
203: Phalconet_11
204: Emma_11
205: Jant_11 + 4
206: Ovechkin_11 + 1
207: Inventum_11
208: Elsh_11
209: Krakatau_12
210: Hegedechwinu_12
211: Hamulus_11 + 2
212: Awesomesauce_12 + 2
213: Yorick_11
214: Empress_11
215: Grimmer_12
216: Polka14_11 + 2
217: SassyB_11 + 1
218: Seagreen_12
219: BuzzLyseyear_12
220: Lorde_12 + 2
221: Whatsapiecost_11 + 2
222: Phasin_11
223: Ruby_11
224: Whouxphi_11
225: Bipolar_11
226: SiSi_11
227: KingMidas_11
228: Florinda_11
229: Latretium_11
230: Frankie_12
231: Cornucopia_12
232: Marker_12
233: Cheesepuff_11
234: Soul22_14
235: Zapher_15 + 7
236: Squirty_12
237: LunaStella_12 + 1
238: ThetaBob_12
239: Renaud18_12
240: Cornie_12
241: Toron_12
242: Okabe_13
243: Rooter_11 + 3
244: BrayBeast_12
245: Alatato_11
246: Pigu_11
247: Globzilla_13
248: Kumotta_13
249: MargaretKall_13
250: Zaheer_16 + 1

Pham 347043


251: Lenoxika_16 + 5
252: Cole_14 + 4
253: Ryan_16 + 2
254: Dirtdigger_16 + 3
255: MillySue_16
256: GoodLuckBabe_16
257: Julie_16
258: Elesar_15
259: Popper_14
260: Toodles_16
261: Bauer_15 + 1
262: BlackSpider_13
263: BellaJr_15
264: CocoCinnamon_16
265: Maja_12
266: Scotia_14
267: NoSwimming_14
268: Hereford_14
269: Aoka_13
270: EvenBlueMoon_13 + 2
271: JanetJ_13
272: Merpity_13 + 3
273: AnnabelLee_14 + 6
274: Agamotto_16
275: Makima_15 + 1
276: Studio_14 + 1
277: TripleC_17
278: TMaxx_14
279: Mireles_14
280: Audell_17
281: Babsiella_13
282: Xula_12 + 1
283: QueenHazel_13 + 2
284: HC_13
285: Sbash_12
286: Che9c_12
287: Stuck_12
288: Bluvara_13
289: Ibantik_76
290: RunningOnE_69
291: Colossa_14
292: VanLee_14
293: Dylan_46 + 31
294: Wogge42_46
295: Ryadel_51
296: JolieB_46 + 19
297: Whitty_14 + 5
298: Nette_14 + 1
299: Stellammi_10
300: Gaia_10 + 1

Pham 347043


301: P1201_38
302: ChewyVIII_49
303: Spartoi_11
304: DS6A_16
305: Galila_31
306: AJV2_11
307: Kromp_14
308: REQ2_12
309: Whack_12
310: MooMoo_11
311: GMA4_13
312: Ponzi_51
313: Samy_17

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 347043 Report

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

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

Pham number 347043 has 691 members, 62 are drafts.

Phages represented in each track:
- Track 1 : Farewell_11
- Track 2 : Sparky_11
- Track 3 : MalagasyRose_19
- Track 4 : Nergal_17
- Track 5 : AbbyDaisy_13
- Track 6 : Raqqa_13
- Track 7 : SPB78_13
- Track 8 : Success_58
- Track 9 : Spooks_57
- Track 10 : Bimmel_56
- Track 11 : Kubed_11
- Track 12 : Solid_11, P107C_11
- Track 13 : Ouroboros_11
- Track 14 : P14.4_11
- Track 15 : PHL114L00_11
- Track 16 : P9.1_11
- Track 17 : Enoki_11
- Track 18 : Leviosa_11
- Track 19 : P104B_11
- Track 20 : Wizzo_11, PA6_11
- Track 21 : QueenBey_11
- Track 22 : Pirate_11, Enochoraptor_11, P108C_11
- Track 23 : PHL113M01_11
- Track 24 : P100A_11
- Track 25 : P106A_11, P106C_11, P106I_11, P106M_11, P106L_11
- Track 26 : Keiki_11
- Track 27 : LilBandit_11
- Track 28 : P107A_11
- Track 29 : Cota_11, PHL037M02_11, MrAK_11
- Track 30 : ATCC29399BT_11
- Track 31 : SKKY_11
- Track 32 : P100.1_11
- Track 33 : PHL010M04_11

• Track 34 : MEAK_11
• Track 35 : Attacne_11
• Track 36 : PAS50_11
• Track 37 : PHL060L00_11
• Track 38 : Moyashi_11
• Track 39 : P105_11
• Track 40 : Aquarius_11
• Track 41 : PHL112N00_11
• Track 42 : DrParker_11
• Track 43 : Lauchelly_11
• Track 44 : PHL067M10_11
• Track 45 : P101A_11
• Track 46 : PAD20_11
• Track 47 : P104A_11
• Track 48 : P1.1_11
• Track 49 : PHL071N05_11
• Track 50 : P100D_11
• Track 51 : Rileysaurus_11
• Track 52 : PHL111M01_11
• Track 53 : ATCC29399BC_11
• Track 54 : BruceLethal_11
• Track 55 : Procrass1_11
• Track 56 : Supernova_11
• Track 57 : Stormborn_11
• Track 58 : ClubL_42, Aphelion_42, Geeche_41, Bachita_44, PhinkBoden_42, Cucurbita_44, Lozinak_42, Norvs_43, Engineer_43, Toniann_42, Smoothie_43
• Track 59 : Dusty_41, Abscondus_41, Miskis_40, Culver_42
• Track 60 : WilliamBoone_42
• Track 61 : OneUp_36, BrutonGaster_30
• Track 62 : GTE5_26, GRU1_25, Dalilpop_40, Turuncu_39
• Track 63 : Flapper_39
• Track 64 : GrootJr_37, Jifall16_34, Foxboro_36, Tracker_35, Arti_35, NovumRegina_35, Phomeo_34, Emianna_35, NatB6_35, Wheezy_35, Kurt_35
• Track 65 : Buggaboo_36, Outis_36, StarStruck_36, SuperSulley_36, MerCougar_36
• Track 66 : NosilaM_38, Kabluna_38
• Track 67 : Commandaria_37
• Track 68 : GTE8_24
• Track 69 : Bonum_38
• Track 70 : KidneyBean_35
• Track 71 : Ennea_41, RedRaider_42, Lollipop1437_40, Patio_38, Float294_37, Skysand_37
• Track 72 : Marietta_37
• Track 73 : Yndexa_37, NadineRae_35, Sukkupi_37, BiPauneto_38, Pemberton_38, IDyn_36
• Track 74 : WhoseManz_37, HubbaBubba_33
• Track 75 : Fury_44, Pleakley_44, Scuba_44
• Track 76 : HomeFry_41
• Track 77 : Gagieri_39
• Track 78 : Apiary_39, Polyyuki_39, CoffeeBean_39, Maselop_39, Braxoaddie_39
• Track 79 : MacGully_43
• Track 80 : Vendetta_17, Splinter_17, Goib_18
• Track 81 : DinoDaryn_19, Huffy_19, TZGordon_19
• Track 82 : Banquo_21, TinaLin_20

• Track 83 : Gsput1_15
• Track 84 : Dardanus_19
• Track 85 : Schmidt_15
• Track 86 : Catfish_16
• Track 87 : Malachai_14, Begonia_14
• Track 88 : Wisp_13, Petra_16, CarolAnn_14, Walrus_15, Zilla_14, Jalammah_15, Mellie_13, Hitter_14, Lysidious_14, PhrostedPhlake_15, Blino_14, ZiggyZoo_13, Soilmate_14
• Track 89 : Gambino_16, Azula_16, MissRona_16, Blueberry_16
• Track 90 : Samba_14
• Track 91 : CheeseSpider_16
• Track 92 : Archis_15, Barco_14, JuJu_14, Delian_14, Guacamole_14, JasperJr_14, UmaThurman_14, MintFen_14, CaptainKirk2_14, Melba_14, BlingBling_14, Fenry_13, Zarbodnamra_14
• Track 93 : KappaFarmDelta_14
• Track 94 : Pipp_14
• Track 95 : Murp_14
• Track 96 : Frokostdame_14
• Track 97 : PCoral7_14, William_14, PrincePatrick_14
• Track 98 : Obliviate_13
• Track 99 : Utz_14
• Track 100 : Fairfaxidum_14
• Track 101 : Toast_14
• Track 102 : Wocket_15
• Track 103 : Cardigan_40, Yvonnetastic_39, JonJames_41
• Track 104 : Towmatter_22, Daredevil_23
• Track 105 : DatBoi_25
• Track 106 : Bantam_24
• Track 107 : Mollymur_25
• Track 108 : SpeedDemon_250
• Track 109 : Malisha_13, Spooky_13
• Track 110 : Leroy_13, Budski_13, Phabuloso_13, Frickyeah_13, Squiddly_14, Kenna_13, CheeseTouch_13, Holliday_13, BotCity_13, Horus_13, Getalong_13, BENtherdunthat_13, LitninMcQueen_13, ShawBrad_13, Kamaru_13, Periwinkle_13, Lutum_13, Asapag_13, Phistory_13, Whitney_13
• Track 111 : Ziko_48, Volt_47, Ronaldo_48, Fryberger_45, Guey18_50
• Track 112 : Keelan_43
• Track 113 : Octobien14_22
• Track 114 : Sephiroth_22, Kudefre_21
• Track 115 : Syleon_22
• Track 116 : Neville_21
• Track 117 : LilJank_21
• Track 118 : Trax_21
• Track 119 : Rabbitrun_23
• Track 120 : Morgana_13, Aleemily_13, ObLaDi_13, ModicumRichard_13, Cafasso_13
• Track 121 : C3PO_23, Cruella_23, PotatoChip_23, PeteyPab_22, Kimchi1738_23, Stickynote_25, Darwin_26, Zion_23
• Track 122 : Doomslug_13
• Track 123 : Clank_11
• Track 124 : ShiLan_11
• Track 125 : JalFarm20_12

• Track 126 : Clifton_11, Zerg_11, Nitzel_12, Minnie_11, Eradicator_11, Peridot_12, Sandalphon_11, Jennelsea_11, Koella_11
• Track 127 : Aubs_11
• Track 128 : Rockne_11, Llij_11, PMC_11, Phatniss_11
• Track 129 : Sabbb_11
• Track 130 : RitaG_11
• Track 131 : Flathead_12
• Track 132 : SG4_11
• Track 133 : BlueCrab_11, Doomphist_11, IbOuu_11, Nimbo_11, Geralt_11, PHappiness_11, Poenanya_11, Leperchaun_11, JoeyJr_11, OldBen_11, Deb65_11, DaddyRickover_11, BodEinwohner17_11, Scottish_11, RedBird_11
• Track 134 : Totinger_12, Moonbeam_11, Rialto_12, Emmaloid_12, Slim_12, EmiMonkey_11, PhlipPhlop_11
• Track 135 : Beanstalk_12, Spikelee_12, DosHalletts_12
• Track 136 : ByChance_11, Kersh_11, FreddyB_11, Cabrinians_11, Priscilla_11
• Track 137 : IMpilo_11
• Track 138 : Madiba_12
• Track 139 : Enzomatic_12, Phanphagia_11, NewHope4_11, DotProduct_11, Spartacus_11, Polo2Bam_12, LunaBlu_11, Guppsters_11, WillSterrel_11, Galactic_11, IrishSherpFalk_11, SeaLumen_11, Shauna1_11
• Track 140 : VRedHorse_11, RockyHorror_12, Mantra_11
• Track 141 : Cerasum_12, BigPhil_12, Brookers_12, Velveteen_12, Sarma624_12, Kingsley_12
• Track 142 : UncleRicky_12, Drago_12
• Track 143 : Pacc40_11, Dorothy_11, Daenerys_11
• Track 144 : MilanaBonita_12, Akhila_12
• Track 145 : Aloeri_12, DocMcStuffins_12, ChickenDinner_12, TDanisky_11, DRBy19_11, MadMen_11, Sparkdehlily_11
• Track 146 : Tootsieroll_12, Karhdo_11, Radiance_11, Stap_12
• Track 147 : Doug_11
• Track 148 : OfUltron_11, Nichirin_11, Jinglebell_11, Llama_11, AlpineSix_11, Modragons_11, Seabastian_11, Ochi17_11
• Track 149 : LastJedi_11, Mattes_11, BobaPhett_11, James_11
• Track 150 : Gandalph_11
• Track 151 : LittleShirley_12, MulchSalad_11
• Track 152 : Hades_11, Violac_11
• Track 153 : StAnnes_11
• Track 154 : Firehouse51_11
• Track 155 : Strokeseat_11, Mandlovu_11, Hlubikazi_11
• Track 156 : OwlsT2W_12
• Track 157 : Dante_11, Alexphander_12
• Track 158 : Oksu_12
• Track 159 : Ibhubesi_11, Harley_11
• Track 160 : Mozy_12, ArcusAngelus_11, Chevrolet_11
• Track 161 : Mova_12
• Track 162 : SuperGrey_11, DoRead_11, Rita_11, Kenuha5_11
• Track 163 : MisterCuddles_11, Girr_11, Spoonbill_11
• Track 164 : PatoPoderoso_11, KingJulian_11, Corium_11
• Track 165 : MinionDave_12
• Track 166 : Kimberlium_12, DaWorst_12, Plumbus_12, Juice456_12, MulchExplorer_12
• Track 167 : Brushbloom_12
• Track 168 : GUmbie_11, Veteran_11

• Track 169 : Coco12_12, LilMoolah_11
• Track 170 : Pippy_11, Gorge_11, GigiOuiOui_11, Brocalys_11, Saal_11
• Track 171 : Juniper1_11, Mahavrat_11
• Track 172 : Bobi_12
• Track 173 : PhesterPhotato_11
• Track 174 : Boomer_12
• Track 175 : Chuckly_11
• Track 176 : Job42_12
• Track 177 : Ramsey_12
• Track 178 : EleanorGeorge_11
• Track 179 : Crumble_11, OlympiaSaint_11, NormanBulbieJr_11
• Track 180 : Burwell21_11, SwagPigglett_11, Philus_11, ShowerHandel_11, Jarcob_11, Maravista_11, Martik_11, Zizzle_11, Lizziana_11, Nivrat_11
• Track 181 : Mwanjiwa_11
• Track 182 : Fancypants_11
• Track 183 : Che8_11
• Track 184 : Blexus_11
• Track 185 : ShroomBoi_11, Batiatus_11, MilleniumForce_12, DillTech15_11, Ardmore_11, XFactor_11
• Track 186 : Lucia_12
• Track 187 : Topiatin_13, KristaRAM_12, Tweety_11, Wee_11
• Track 188 : Leozinho_12
• Track 189 : Byougenkin_11
• Track 190 : SimranZ1_12
• Track 191 : DLane_11
• Track 192 : Donkeykong_11
• Track 193 : Starcevich_12
• Track 194 : Mutaforma13_11
• Track 195 : TootsiePop_12, LordVader_12, Misha28_12
• Track 196 : Royals2015_11
• Track 197 : Bubbles123_11
• Track 198 : Wachhund_11, Estave1_11, Beakin_12
• Track 199 : Tchotchke_12
• Track 200 : Vivum_11
• Track 201 : Ogopogo_14
• Track 202 : Quico_12, Girafales_12
• Track 203 : Phalconet_11
• Track 204 : Emma_11
• Track 205 : Jant_11, Melissauren88_11, QuickMath_11, Fruitloop_11, CaptainTrips_12
• Track 206 : Ovechkin_11, Ms6_11
• Track 207 : Inventum_11
• Track 208 : Eish_11
• Track 209 : Krakatau_12
• Track 210 : Hegedechwinu_12
• Track 211 : Hamulus_11, DeadP_11, Taj_11
• Track 212 : Awesomesauce_12, Fastidio_11, Piper2020_12
• Track 213 : Yorick_11
• Track 214 : Empress_11
• Track 215 : Grimmer_12
• Track 216 : Polka14_11, Pollywog_12, Sassafras_11
• Track 217 : SassyB_11, PopTart_11
• Track 218 : Seagreen_12

• Track 219 : BuzzLyseyear_12
• Track 220 : Lorde_12, Enby_12, DirtMcgirt_12
• Track 221 : Whatsapiecost_11, Medindi_11, Filuzino_11
• Track 222 : Phasih_11
• Track 223 : Ruby_11
• Track 224 : Whouxphf_11
• Track 225 : Bipolar_11
• Track 226 : SiSi_11
• Track 227 : KingMidas_11
• Track 228 : Florinda_11
• Track 229 : Latretium_11
• Track 230 : Frankie_12
• Track 231 : Cornucopia_12
• Track 232 : Marker_12
• Track 233 : Cheesepuff_11
• Track 234 : Soul22_14
• Track 235 : Zapner_15, Demsculpinboyz_14, Avani_14, SilverChicken_14, Blarby_15, Che9d_14, Jabbawokkie_15, Yoshi_14
• Track 236 : Squirty_12
• Track 237 : LunaStella_12, TChen_12
• Track 238 : ThetaBob_12
• Track 239 : Renaud18_12
• Track 240 : Cornie_12
• Track 241 : Toron_12
• Track 242 : Okabe_13
• Track 243 : Rooter_11, JeanClaude_12, Sarge_12, Shoya_11
• Track 244 : BrayBeast_12
• Track 245 : Alatato_11
• Track 246 : Pigu_11
• Track 247 : Gibbzilla_13
• Track 248 : Kumotta_13
• Track 249 : MargaretKali_13
• Track 250 : Zaheer_16, Ichiang_14
• Track 251 : Lenoxika_16, Schism_16, Guinevere_16, Saintcarr_15, Nandita_16, Donatella_15
• Track 252 : Cole_14, Kihatsu_17, BigSherm_16, QuinnAvery_16, ToastyOats_18
• Track 253 : Ryan_16, Halloweekend_14, Yonex_16
• Track 254 : Dirtdigger_16, IsHungry_16, AllBusiness_15, Gusanita_14
• Track 255 : MillySue_16
• Track 256 : GoodLuckBabe_16
• Track 257 : Julie_16
• Track 258 : Elesar_15
• Track 259 : Popper_14
• Track 260 : Toodles_16
• Track 261 : Bauer_15, Zucker_14
• Track 262 : BlackSpider_13
• Track 263 : BellaJr_15
• Track 264 : CocoCinnamon_16
• Track 265 : Maja_12
• Track 266 : Scotia_14
• Track 267 : NoSwimming_14
• Track 268 : Hereford_14
• Track 269 : Aoka_13

• Track 270 : EvenBluerMoon_13, PrairieDogTown_13, Morrey_19
• Track 271 : JanetJ_13
• Track 272 : Merpity_13, Skitty_12, Cassini_13, MrSmee_12
• Track 273 : AnnabelLee_14, CardboardBox_14, ChamoyPickle_14, Roberts_14, Neuvillette_14, Gerri43_14, ChipsNGuac_14
• Track 274 : Agamotto_16
• Track 275 : Makima_15, LastNadiia_17
• Track 276 : Studio_14, Ezurina_13
• Track 277 : TripleC_17
• Track 278 : TMaxx_14
• Track 279 : Mireles_14
• Track 280 : Audell_17
• Track 281 : Babsiella_13
• Track 282 : Xula_12, PaintedDog_12
• Track 283 : QueenHazel_13, Brujita_13, Island3_13
• Track 284 : HC_13
• Track 285 : Sbash_12
• Track 286 : Che9c_12
• Track 287 : Stuck_12
• Track 288 : Bluvara_13
• Track 289 : Ibantik_76
• Track 290 : RunningOnE_69
• Track 291 : Colossa_14
• Track 292 : VanLee_14
• Track 293 : Dylan_46, Smooch_49, MadKillah_48, Alkhayr_47, Firecracker_47, FoulBall_47, Ashwin_48, Murai_47, Schuy_48, Famílton_48, YungJamal_50, Krili_46, Vagabond_47, Blessica_48, NiebruSaylor_46, KingPhillip3_47, Bora_44, Mori_46, Zebo_47, Idergollasper_47, Wildflower_47, JangDynasty_47, Shida_47, Vorrps_46, YoyoKar_45, Imara_47, Zakhe101_47, SchoolBus_47, Corndog_49, TelAviv_44, Catdawg_47, Winget_48
• Track 294 : Wogge42_46
• Track 295 : Ryadel_51
• Track 296 : JoieB_46, Caprice_44, LittleLaf_45, Beelzebub_49, Marvin_43, Blackbeetle_45, GoongGoong_44, Corazon_43, Lilbit_44, RedRaider77_45, Pringar_45, VasuNzinga_45, FeliMaine_47, Huphlepuff_47, MosMoris_43, Tesla_44, Clarkson_46, Poise_45, Gattaca_44, Raela_45
• Track 297 : Whitty_14, Nairb_14, Ibrahim_14, Bernal13_14, RonRayGun_14, ZenTime222_14
• Track 298 : Nette_14, Mendokysei_13
• Track 299 : Stellammi_10
• Track 300 : Gaia_10, Nebkiss_10
• Track 301 : P1201_38
• Track 302 : ChewyVIII_49
• Track 303 : Spartoi_11
• Track 304 : DS6A_16
• Track 305 : Gallia_31
• Track 306 : ArV2_11
• Track 307 : Kromp_14
• Track 308 : REQ2_12
• Track 309 : Whack_12
• Track 310 : MooMoo_11
• Track 311 : GMA4_13
• Track 312 : Ponzi_51

• Track 313 : Samy_17

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

The start number called the most often in the published annotations is 23, it was called in 272 of the 629 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_12, Alexphander_12, Alkhayr_47, Aloeri_12, AlpineSix_11, ArcusAngelus_11, Ardmore_11, Ashwin_48, Aubs_11, Awesomesauce_12, Batiatus_11, Beakin_12, Beanstalk_12, BigPhil_12, Bipolar_11, Blessica_48, BlueCrab_11, Bluvara_13, BobaPhett_11, Bobi_12, BodEinwohner17_11, Bora_44, Brocalys_11, Brookers_12, Brujita_13, Brushbloom_12, Bubbles123_11, Burwell21_11, BuzzLyseyear_12, ByChance_11, Byougenkin_11, Cabrinians_11, CaptainTrips_12, Catdawg_47, Cerasum_12, Che8_11, Che9c_12, Cheesepuff_11, Chevrolet_11, ChickenDinner_12, Chuckly_11, Clank_11, Clifton_11, Coco12_12, Corium_11, Corndog_49, Cornucopia_12, Crumble_11, DLane_11, DRBy19_11, DaWorst_12, DaddyRickover_11, Dante_11, DeadP_11, Deb65_11, DillTech15_11, DirtMcgirt_12, DoRead_11, DocMcStuffins_12, Donkeykong_11, Doomphist_11, Doomslug_13, DosHalletts_12, DotProduct_11, Doug_11, Dylan_46, Eish_11, EleanorGeorge_11, EmiMonkey_11, Emma_11, Emmaloid_12, Enby_12, Enzomatic_12, Eradicator_11, Estave1_11, Famílton_48, Fancypants_11, Fastidio_11, Filuzino_11, Firecracker_47, Firehouse51_11, Flathead_12, Florinda_11, FoulBall_47, Frankie_12, FreddyB_11, Fruitloop_11, GUmbie_11, Galactic_11, Gandalph_11, Geralt_11, GigiOuiOui_11, Girafales_12, Girr_11, Gorge_11, Grimmer_12, Guppsters_11, HC_13, Hades_11, Hamulus_11, Harley_11, Hegedechwinu_12, Hlubikazi_11, IMpilo_11, IbOuu_11, Ibhubesi_11, Idergollasper_47, Imara_47, IrishSherpFalk_11, Island3_13, JalFarm20_12, James_11, JangDynasty_47, Jant_11, Jarcob_11, Jennelsea_11, Jinglebell_11, Job42_12, JoeyJr_11, Juice456_12, Juniper1_11, Karhdo_11, Kenuha5_11, Kersh_11, Kimberlium_12, KingJulian_11, KingMidas_11, KingPhillip3_47, Kingsley_12, Koella_11, Krakatau_12, Krili_46, KristaRAM_12, LastJedi_11, Latretium_11, Leozinho_12, Leperchaun_11, LilMoolah_11, LittleShirley_12, Lizziana_11, Llama_11, Llij_11, LordVader_12, Lorde_12, LunaBlu_11, LunaStella_12, MadKillah_48, MadMen_11, Madiba_12, Mahavrat_11, Mandlovu_11, Mantra_11, Maravista_11, Marker_12, Martik_11, Mattes_11, Medindi_11, Melissauren88_11, MilanaBonita_12, MilleniumForce_12, MinionDave_12, Minnie_11, Misha28_12, MisterCuddles_11, Modragons_11, MooMoo_11, Moonbeam_11, Mori_46, Mova_12, Mozy_12, Ms6_11, MulchExplorer_12, MulchSalad_11, Murai_47, Mutaforma13_11, Mwanjiwa_11, NewHope4_11, Nichirin_11, NiebruSaylor_46, Nimbo_11, Nitzel_12, Nivrat_11, NormanBulbieJr_11, Ochi17_11, OfUltron_11, Okabe_13, Oksu_12, OldBen_11, OlympiaSaint_11, Ovechkin_11, OwlsT2W_12, PHappiness_11, PMC_11, PaintedDog_12, PatoPoderoso_11, Peridot_12, Phalconet_11, Phanphagia_11, Phasih_11, Phatniss_11, PhesterPhotato_11, Philus_11, PhlipPhlop_11, Piper2020_12, Pippy_11, Plumbus_12, Poenanya_11, Polka14_11, Pollywog_12, Polo2Bam_12, PopTart_11, Priscilla_11, QueenHazel_13, QuickMath_11, Quico_12, Radiance_11, Ramsey_12, RedBird_11, Renaud18_12, Rialto_12, Rita_11, Rockne_11, RockyHorror_12, Royals2015_11, Ryadel_51, Saal_11, Sabbb_11, Sandalphon_11, Sarma624_12, Sassafras_11, SassyB_11, Sbash_12, SchoolBus_47, Schuy_48,

Scottish_11, SeaLumen_11, Seabastian_11, Seagreen_12, Shauna1_11, Shida_47, ShowerHandel_11, ShroomBoi_11, SiSi_11, SimranZ1_12, Slim_12, Smooch_49, Sparkdehlily_11, Spartacus_11, Spikelee_12, Spoonbill_11, Squirty_12, StAnnes_11, Stap_12, Strokeseat_11, Stuck_12, SuperGrey_11, SwagPigglett_11, TChen_12, TDanisky_11, Taj_11, Tchotchke_12, TelAviv_44, ThetaBob_12, TootsiePop_12, Tootsieroll_12, Topiatin_13, Toron_12, Totinger_12, Tweety_11, VRedHorse_11, Vagabond_47, Velveteen_12, Veteran_11, Violac_11, Vivum_11, Vorrps_46, Wachhund_11, Wee_11, Whatsapiecost_11, Whouxphf_11, Wildflower_47, WillSterrel_11, Winget_48, Wogge42_46, XFactor_11, Xula_12, Yorick_11, YoyoKar_45, YungJamal_50, Zakhe101_47, Zebo_47, Zerg_11, Zizzle_11,

Genes that have the "Most Annotated" start but do not call it:
• Babsiella_13, Blexus_11, Boomer_12, Cornie_12, Daenerys_11, Dorothy_11, Drago_12, Empress_11, Inventum_11, Lucia_12, Ogopogo_14, Pacc40_11, RitaG_11, Ruby_11, SG4_11, ShiLan_11, Starcevich_12, UncleRicky_12,

Genes that do not have the "Most Annotated" start:
• ATCC29399BC_11, ATCC29399BT_11, AbbyDaisy_13, Abscondus_41, Agamotto_16, Alatato_11, Aleemily_13, AllBusiness_15, AnnabelLee_14, Aoka_13, Aphelion_42, Apiary_39, Aquarius_11, ArV2_11, Archis_15, Arti_35, Asapag_13, Attacne_11, Audell_17, Avani_14, Azula_16, BENtherdunthat_13, Bachita_44, Banquo_21, Bantam_24, Barco_14, Bauer_15, Beelzebub_49, Begonia_14, BellaJr_15, Bernal13_14, BiPauneto_38, BigSherm_16, Bimmel_56, BlackSpider_13, Blackbeetle_45, Blarby_15, BlingBling_14, Blino_14, Blueberry_16, Bonum_38, BotCity_13, Braxoaddie_39, BrayBeast_12, BruceLethal_11, BrutonGaster_30, Budski_13, Buggaboo_36, C3PO_23, Cafasso_13, Caprice_44, CaptainKirk2_14, CardboardBox_14, Cardigan_40, CarolAnn_14, Cassini_13, Catfish_16, ChamoyPickle_14, Che9d_14, CheeseSpider_16, CheeseTouch_13, ChewyVIII_49, ChipsNGuac_14, Clarkson_46, ClubL_42, CocoCinnamon_16, CoffeeBean_39, Cole_14, Colossa_14, Commandaria_37, Corazon_43, Cota_11, Cruella_23, Cucurbita_44, Culver_42, DS6A_16, Dalilpop_40, Dardanus_19, Daredevil_23, Darwin_26, DatBoi_25, Delian_14, Demsculpinboyz_14, DinoDaryn_19, Dirtdigger_16, Donatella_15, DrParker_11, Dusty_41, Elesar_15, Emianna_35, Engineer_43, Ennea_41, Enochoraptor_11, Enoki_11, EvenBluerMoon_13, Ezurina_13, Fairfaxidum_14, Farewell_11, FeliMaine_47, Fenry_13, Flapper_39, Float294_37, Foxboro_36, Frickyeah_13, Frokostdame_14, Fryberger_45, Fury_44, GMA4_13, GRU1_25, GTE5_26, GTE8_24, Gagieri_39, Gaia_10, Gallia_31, Gambino_16, Gattaca_44, Geeche_41, Gerri43_14, Getalong_13, Gibbzilla_13, Goib_18, GoodLuckBabe_16, GoongGoong_44, GrootJr_37, Gsput1_15, Guacamole_14, Guey18_50, Guinevere_16, Gusanita_14, Halloweekend_14, Hereford_14, Hitter_14, Holliday_13, HomeFry_41, Horus_13, HubbaBubba_33, Huffy_19, Huphlepuff_47, IDyn_36, Ibantik_76, Ibrahim_14, Ichiang_14, IsHungry_16, Jabbawokkie_15, Jalammah_15, JanetJ_13, JasperJr_14, JeanClaude_12, Jifall16_34, JoieB_46, JonJames_41, JuJu_14, Julie_16, Kabluna_38, Kamaru_13, KappaFarmDelta_14, Keelan_43, Keiki_11, Kenna_13, KidneyBean_35, Kihatsu_17, Kimchi1738_23, Kromp_14, Kubed_11, Kudefre_21, Kumotta_13, Kurt_35, LastNadiia_17, Lauchelly_11, Lenoxika_16, Leroy_13, Leviosa_11, LilBandit_11, LilJank_21, Lilbit_44, LitninMcQueen_13, LittleLaf_45, Lollipop1437_40, Lozinak_42, Lutum_13, Lysidious_14, MEAK_11, MacGully_43, Maja_12, Makima_15, Malachai_14, MalagasyRose_19, Malisha_13, MargaretKali_13, Marietta_37, Marvin_43, Maselop_39, Melba_14, Mellie_13, Mendokysei_13, MerCougar_36, Merpity_13, MillySue_16, MintFen_14, Mireles_14, Miskis_40, MissRona_16, ModicumRichard_13, Mollymur_25, Morgana_13, Morrey_19, MosMoris_43,

Moyashi_11, MrAK_11, MrSmee_12, Murp_14, NadineRae_35, Nairb_14, Nandita_16, NatB6_35, Nebkiss_10, Nergal_17, Nette_14, Neuvillette_14, Neville_21, NoSwimming_14, Norvs_43, NosilaM_38, NovumRegina_35, ObLaDi_13, Obliviate_13, Octobien14_22, OneUp_36, Ouroboros_11, Outis_36, P1.1_11, P100.1_11, P100A_11, P100D_11, P101A_11, P104A_11, P104B_11, P105_11, P106A_11, P106C_11, P106I_11, P106L_11, P106M_11, P107A_11, P107C_11, P108C_11, P1201_38, P14.4_11, P9.1_11, PA6_11, PAD20_11, PAS50_11, PCoral7_14, PHL010M04_11, PHL037M02_11, PHL060L00_11, PHL067M10_11, PHL071N05_11, PHL111M01_11, PHL112N00_11, PHL113M01_11, PHL114L00_11, Patio_38, Pemberton_38, Periwinkle_13, PeteyPab_22, Petra_16, Phabuloso_13, PhinkBoden_42, Phistory_13, Phomeo_34, PhrostedPhlake_15, Pigu_11, Pipp_14, Pirate_11, Pleakley_44, Poise_45, Polyyuki_39, Ponzi_51, Popper_14, PotatoChip_23, PrairieDogTown_13, PrincePatrick_14, Pringar_45, Procrass1_11, QueenBey_11, QuinnAvery_16, REQ2_12, Rabbitrun_23, Raela_45, Raqqa_13, RedRaider77_45, RedRaider_42, Rileysaurus_11, Roberts_14, RonRayGun_14, Ronaldo_48, Rooter_11, RunningOnE_69, Ryan_16, SKKY_11, SPB78_13, Saintcarr_15, Samba_14, Samy_17, Sarge_12, Schism_16, Schmidt_15, Scotia_14, Scuba_44, Sephiroth_22, ShawBrad_13, Shoya_11, SilverChicken_14, Skitty_12, Skysand_37, Smoothie_43, Soilmate_14, Solid_11, Soul22_14, Sparky_11, Spartoi_11, SpeedDemon_250, Splinter_17, Spooks_57, Spooky_13, Squiddly_14, StarStruck_36, Stellammi_10, Stickynote_25, Stormborn_11, Studio_14, Success_58, Sukkupi_37, SuperSulley_36, Supernova_11, Syleon_22, TMaxx_14, TZGordon_19, Tesla_44, TinaLin_20, Toast_14, ToastyOats_18, Toniann_42, Toodles_16, Towmatter_22, Tracker_35, Trax_21, TripleC_17, Turuncu_39, UmaThurman_14, Utz_14, VanLee_14, VasuNzinga_45, Vendetta_17, Volt_47, Walrus_15, Whack_12, Wheezy_35, Whitney_13, Whitty_14, WhoseManz_37, WilliamBoone_42, William_14, Wisp_13, Wizzo_11, Wocket_15, Yndexa_37, Yonex_16, Yoshi_14, Yvonnetastic_39, Zaheer_16, Zapner_15, Zarbodnamra_14, ZenTime222_14, ZiggyZoo_13, Ziko_48, Zilla_14, Zion_23, Zucker_14,

Summary by start number:

Start 11:
• Found in 10 of 691 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 629
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Boomer_12 (F1), Empress_11 (F1), RitaG_11 (F1),

Start 12:
• Found in 1 of 691 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 629
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cornie_12 (F5),

Start 13:
• Found in 64 of 691 (9.3%) of genes in pham
• Manual Annotations of this start: 10 of 629
• Called 15.6% of time when present
• Phage (with cluster) where this start called: Blexus_11 (F1), Daenerys_11 (F1), Dorothy_11 (F1), Drago_12 (F1), Inventum_11 (F1), Lucia_12 (F1), Pacc40_11 (F1), ShiLan_11 (F1), Starcevich_12 (F1), UncleRicky_12 (F1),

Start 14:
• Found in 22 of 691 (3.2%) of genes in pham
• Manual Annotations of this start: 1 of 629
• Called 4.5% of time when present
• Phage (with cluster) where this start called: SG4_11 (F1),

Start 18:
• Found in 121 of 691 (17.5%) of genes in pham
• Manual Annotations of this start: 2 of 629
• Called 1.7% of time when present
• Phage (with cluster) where this start called: Ogopogo_14 (F1), Ruby_11 (F1),

Start 20:
• Found in 6 of 691 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 629
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Babsiella_13 (I1),

Start 23:
• Found in 311 of 691 (45.0%) of genes in pham
• Manual Annotations of this start: 272 of 629
• Called 94.2% of time when present
• Phage (with cluster) where this start called: Akhila_12 (F1), Alexphander_12 (F1), Alkhayr_47 (O), Aloeri_12 (F1), AlpineSix_11 (F1), ArcusAngelus_11 (F1), Ardmore_11 (F1), Ashwin_48 (O), Aubs_11 (F1), Awesomesauce_12 (F1), Batiatus_11 (F1), Beakin_12 (F1), Beanstalk_12 (F1), BigPhil_12 (F1), Bipolar_11 (F1), Blessica_48 (O), BlueCrab_11 (F1), Bluvara_13 (I3), BobaPhett_11 (F1), Bobi_12 (F1), BodEinwohner17_11 (F1), Bora_44 (O), Brocalys_11 (F1), Brookers_12 (F1), Brujita_13 (I1), Brushbloom_12 (F1), Bubbles123_11 (F1), Burwell21_11 (F1), BuzzLyseyear_12 (F1), ByChance_11 (F1), Byougenkin_11 (F1), Cabrinians_11 (F1), CaptainTrips_12 (F1), Catdawg_47 (O), Cerasum_12 (F1), Che8_11 (F1), Che9c_12 (I2), Cheesepuff_11 (F1), Chevrolet_11 (F1), ChickenDinner_12 (F1), Chuckly_11 (F1), Clank_11 (F), Clifton_11 (F1), Coco12_12 (F1), Corium_11 (F1), Corndog_49 (O), Cornucopia_12 (F1), Crumble_11 (F1), DLane_11 (F1), DRBy19_11 (F1), DaWorst_12 (F1), DaddyRickover_11 (F1), Dante_11 (F1), DeadP_11 (F1), Deb65_11 (F1), DillTech15_11 (F1), DirtMcgirt_12 (F1), DoRead_11 (F1), DocMcStuffins_12 (F1), Donkeykong_11 (F1), Doomphist_11 (F1), Doomslug_13 (F), DosHalletts_12 (F1), DotProduct_11 (F1), Doug_11 (F1), Dylan_46 (O), Eish_11 (F1), EleanorGeorge_11 (F1), EmiMonkey_11 (F1), Emma_11 (F1), Emmaloid_12 (F1), Enby_12 (F1), Enzomatic_12 (F1), Eradicator_11 (F1), Estave1_11 (F1), Familton_48 (O), Fancypants_11 (F1), Fastidio_11 (F1), Filuzino_11 (F1), Firecracker_47 (O), Firehouse51_11 (F1), Flathead_12 (F1), Florinda_11 (F1), FoulBall_47 (O), Frankie_12 (F1), FreddyB_11 (F1), Fruitloop_11 (F1), GUmbie_11 (F1), Galactic_11 (F1), Gandalph_11 (F1), Geralt_11 (F1), GigiOuiOui_11 (F1), Girafales_12 (F1), Girr_11 (F1), Gorge_11 (F1), Grimmer_12 (F1), Guppsters_11 (F1), HC_13 (I1), Hades_11 (F1), Hamulus_11 (F1), Harley_11 (F1), Hegedechwinu_12 (F1), Hlubikazi_11 (F1), IMpilo_11 (F1), IbOuu_11 (F1), Ibhubesi_11 (F1), Idergollasper_47 (O), Imara_47 (O), IrishSherpFalk_11 (F1), Island3_13 (I1), JalFarm20_12 (F1), James_11 (F1), JangDynasty_47 (O), Jant_11 (F1), Jarcob_11 (F1), Jennelsea_11 (F1), Jinglebell_11 (F1), Job42_12 (F1), JoeyJr_11 (F1), Juice456_12 (F1), Juniper1_11 (F1), Karhdo_11 (F1), Kenuha5_11 (F1), Kersh_11 (F1), Kimberlium_12 (F1), KingJulian_11 (F1), KingMidas_11 (F1),

KingPhillip3_47 (O), Kingsley_12 (F1), Koella_11 (F1), Krakatau_12 (F1), Krili_46 (O), KristaRAM_12 (F1), LastJedi_11 (F1), Latretium_11 (F1), Leozinho_12 (F1), Leperchaun_11 (F1), LilMoolah_11 (F1), LittleShirley_12 (F1), Lizziana_11 (F1), Llama_11 (F1), Llij_11 (F1), LordVader_12 (F), Lorde_12 (F1), LunaBlu_11 (F1), LunaStella_12 (F4), MadKillah_48 (O), MadMen_11 (F1), Madiba_12 (F1), Mahavrat_11 (F1), Mandlovu_11 (F1), Mantra_11 (F1), Maravista_11 (F1), Marker_12 (F1), Martik_11 (F1), Mattes_11 (F1), Medindi_11 (F1), Melissauren88_11 (F1), MilanaBonita_12 (F1), MilleniumForce_12 (F1), MinionDave_12 (F1), Minnie_11 (F1), Misha28_12 (F1), MisterCuddles_11 (F1), Modragons_11 (F1), MooMoo_11 (singleton), Moonbeam_11 (F1), Mori_46 (O), Mova_12 (F1), Mozy_12 (F1), Ms6_11 (F1), MulchExplorer_12 (F1), MulchSalad_11 (F7), Murai_47 (O), Mutaforma13_11 (F1), Mwanjiwa_11 (F1), NewHope4_11 (F1), Nichirin_11 (F1), NiebruSaylor_46 (O), Nimbo_11 (F1), Nitzel_12 (F1), Nivrat_11 (F1), NormanBulbieJr_11 (F1), Ochi17_11 (F1), OfUltron_11 (F1), Okabe_13 (F8), Oksu_12 (F1), OldBen_11 (F1), OlympiaSaint_11 (F1), Ovechkin_11 (F1), OwlsT2W_12 (F1), PHappiness_11 (F1), PMC_11 (F1), PaintedDog_12 (I1), PatoPoderoso_11 (F1), Peridot_12 (F1), Phalconet_11 (F1), Phanphagia_11 (F1), Phasih_11 (F1), Phatniss_11 (F1), PhesterPhotato_11 (F1), Philus_11 (F1), PhlipPhlop_11 (F1), Piper2020_12 (F1), Pippy_11 (F1), Plumbus_12 (F1), Poenanya_11 (F1), Polka14_11 (F1), Pollywog_12 (F1), Polo2Bam_12 (F1), PopTart_11 (F1), Priscilla_11 (F1), QueenHazel_13 (I1), QuickMath_11 (F1), Quico_12 (F1), Radiance_11 (F1), Ramsey_12 (F1), RedBird_11 (F1), Renaud18_12 (F4), Rialto_12 (F1), Rita_11 (F1), Rockne_11 (F1), RockyHorror_12 (F1), Royals2015_11 (F1), Ryadel_51 (O), Saal_11 (F1), Sabbb_11 (F1), Sandalphon_11 (F1), Sarma624_12 (F1), Sassafras_11 (F1), SassyB_11 (F1), Sbash_12 (I2), SchoolBus_47 (O), Schuy_48 (O), Scottish_11 (F1), SeaLumen_11 (F1), Seabastian_11 (F1), Seagreen_12 (F1), Shauna1_11 (F1), Shida_47 (O), ShowerHandel_11 (F1), ShroomBoi_11 (F1), SiSi_11 (F1), SimranZ1_12 (F1), Slim_12 (F1), Smooch_49 (O), Sparkdehlily_11 (F1), Spartacus_11 (F1), Spikelee_12 (F1), Spoonbill_11 (F1), Squirty_12 (F3), StAnnes_11 (F1), Stap_12 (F1), Strokeseat_11 (F1), Stuck_12 (I2), SuperGrey_11 (F1), SwagPigglett_11 (F1), TChen_12 (F4), TDanisky_11 (F1), Taj_11 (F1), Tchotchke_12 (F1), TelAviv_44 (O), ThetaBob_12 (F4), TootsiePop_12 (F1), Tootsieroll_12 (F1), Topiatin_13 (F1), Toron_12 (F6), Totinger_12 (F1), Tweety_11 (F1), VRedHorse_11 (F1), Vagabond_47 (O), Velveteen_12 (F1), Veteran_11 (F1), Violac_11 (F1), Vivum_11 (F1), Vorrps_46 (O), Wachhund_11 (F1), Wee_11 (F1), Whatsapiecost_11 (F1), Whouxphf_11 (F1), Wildflower_47 (O), WillSterrel_11 (F1), Winget_48 (O), Wogge42_46 (O), XFactor_11 (F1), Xula_12 (I1), Yorick_11 (F1), YoyoKar_45 (O), YungJamal_50 (O), Zakhe101_47 (O), Zebo_47 (O), Zerg_11 (F1), Zizzle_11 (F1),

Start 34:
• Found in 2 of 691 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ArV2_11 (singleton),

Start 36:
• Found in 5 of 691 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 629
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Kudefre_21 (DU1), Sephiroth_22 (DU1),

Start 38:
• Found in 121 of 691 (17.5%) of genes in pham

• Manual Annotations of this start: 1 of 629
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Toast_14 (CV),

Start 39:
• Found in 5 of 691 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 629
• Called 20.0% of time when present
• Phage (with cluster) where this start called: P14.4_11 (BU),

Start 40:
• Found in 28 of 691 (4.1%) of genes in pham
• Manual Annotations of this start: 23 of 629
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Alatato_11 (FB), Aleemily_13 (DZ), Aoka_13 (FO), BrayBeast_12 (FB), Cafasso_13 (DZ), Colossa_14 (KA), EvenBluerMoon_13 (FO), Hereford_14 (FO), JanetJ_13 (FO), JeanClaude_12 (FB), Kumotta_13 (FB), Maja_12 (FO), MargaretKali_13 (FB), ModicumRichard_13 (DZ), Morgana_13 (DZ), Morrey_19 (FO), NoSwimming_14 (FO), ObLaDi_13 (DZ), Pigu_11 (FB), PrairieDogTown_13 (FO), REQ2_12 (singleton), Rooter_11 (FB), Sarge_12 (FB), Shoya_11 (FB), VanLee_14 (KA), Whack_12 (singleton),

Start 41:
• Found in 2 of 691 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 629
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mendokysei_13 (T), Nette_14 (T),

Start 42:
• Found in 391 of 691 (56.6%) of genes in pham
• Manual Annotations of this start: 149 of 629
• Called 41.7% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_13 (AY), Abscondus_41 (CQ1), AllBusiness_15 (FF), Aphelion_42 (CQ1), Apiary_39 (CR6), Arti_35 (CR2), Bachita_44 (CQ1), Bantam_24 (DL), Bauer_15 (FN), Beelzebub_49 (S), BellaJr_15 (FN), Bernal13_14 (T), BiPauneto_38 (CR4), BigSherm_16 (FF), BlackSpider_13 (FN), Blackbeetle_45 (S), Bonum_38 (CR2), Braxoaddie_39 (CR6), BrutonGaster_30 (CQ2), Buggaboo_36 (CR2), C3PO_23 (EN), Caprice_44 (S), Cardigan_40 (DD), Cassini_13 (FN), ChewyVIII_49 (singleton), Clarkson_46 (S), ClubL_42 (CQ1), CocoCinnamon_16 (FO), CoffeeBean_39 (CR6), Cole_14 (FF), Commandaria_37 (CR2), Corazon_43 (S), Cruella_23 (EN), Cucurbita_44 (CQ1), Culver_42 (CQ1), Dalilpop_40 (CR1), Daredevil_23 (DL), Darwin_26 (EN), DatBoi_25 (DL), Dirtdigger_16 (FF), Donatella_15 (FF), Dusty_41 (CQ1), Elesar_15 (FF), Emianna_35 (CR2), Engineer_43 (CQ1), Ennea_41 (CR3), FeliMaine_47 (S), Flapper_39 (CR1), Float294_37 (CR3), Foxboro_36 (CR2), Fury_44 (CR5), GMA4_13 (singleton), GRU1_25 (CR1), GTE5_26 (CR1), GTE8_24 (CR2), Gagieri_39 (CR6), Gallia_31 (singleton), Gattaca_44 (S), Geeche_41 (CQ1), GoodLuckBabe_16 (FF), GoongGoong_44 (S), GrootJr_37 (CR2), Guinevere_16 (FF), Gusanita_14 (FF), Halloweekend_14 (FF), HomeFry_41 (CR5), HubbaBubba_33 (CR4), Huphlepuff_47 (S), IDyn_36 (CR4), Ibrahim_14 (T), Ichiang_14 (FF), IsHungry_16 (FF), Jifall16_34 (CR2), JoieB_46 (S), JonJames_41 (DD), Julie_16 (FF), Kabluna_38 (CR2), KidneyBean_35 (CR2), Kihatsu_17 (FF), Kimchi1738_23 (EN), Kurt_35 (CR2), Lenoxika_16 (FF), LilJank_21 (DU2), Lilbit_44 (S), LittleLaf_45 (S), Lollipop1437_40

(CR3), Lozinak_42 (CQ1), MacGully_43 (CR7), Marietta_37 (CR4), Marvin_43 (S), Maselop_39 (CR6), MerCougar_36 (CR2), Merpity_13 (FQ1), MillySue_16 (FF), Miskis_40 (CQ1), Mollymur_25 (DL), MosMoris_43 (S), MrSmee_12 (FQ1), NadineRae_35 (CR4), Nairb_14 (T), Nandita_16 (FF), NatB6_35 (CR2), Neville_21 (DU2), Norvs_43 (CQ1), NosilaM_38 (CR2), NovumRegina_35 (CR2), Octobien14_22 (DU1), OneUp_36 (CQ2), Outis_36 (CR2), P1201_38 (singleton), Patio_38 (CR3), Pemberton_38 (CR4), PeteyPab_22 (EN), PhinkBoden_42 (CQ1), Phomeo_34 (CR2), Pleakley_44 (CR5), Poise_45 (S), Polyyuki_39 (CR6), Popper_14 (FF), PotatoChip_23 (EN), Pringar_45 (S), QuinnAvery_16 (FF), Rabbitrun_23 (DU2), Raela_45 (S), Raqqa_13 (AY), RedRaider77_45 (S), RedRaider_42 (CR3), RonRayGun_14 (T), Ryan_16 (FF), SPB78_13 (BA), Saintcarr_15 (FF), Schism_16 (FF), Scotia_14 (FO), Scuba_44 (CR5), Skitty_12 (FQ1), Skysand_37 (CR3), Smoothie_43 (CQ1), SpeedDemon_250 (DL), StarStruck_36 (CR2), Stickynote_25 (EN), Sukkupi_37 (CR4), SuperSulley_36 (CR2), Syleon_22 (DU1), Tesla_44 (S), ToastyOats_18 (FF), Toniann_42 (CQ1), Toodles_16 (FF), Towmatter_22 (DL), Tracker_35 (CR2), Trax_21 (DU2), Turuncu_39 (CR1), VasuNzinga_45 (S), Wheezy_35 (CR2), Whitty_14 (T), WhoseManz_37 (CR4), WilliamBoone_42 (CQ1), Yndexa_37 (CR4), Yonex_16 (FF), Yvonnetastic_39 (DD), Zaheer_16 (FF), ZenTime222_14 (T), Zion_23 (EN), Zucker_14 (FN),

Start 47:
• Found in 3 of 691 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 629
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Farewell_11 (AF), Sparky_11 (AF),

Start 51:
• Found in 46 of 691 (6.7%) of genes in pham
• Manual Annotations of this start: 2 of 629
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Obliviate_13 (CV), Pipp_14 (CV),

Start 54:
• Found in 46 of 691 (6.7%) of genes in pham
• Manual Annotations of this start: 42 of 629
• Called 93.5% of time when present
• Phage (with cluster) where this start called: Archis_15 (CV), Azula_16 (CV), Barco_14 (CV), Begonia_14 (CV), BlingBling_14 (CV), Blino_14 (CV), Blueberry_16 (CV), CaptainKirk2_14 (CV), CarolAnn_14 (CV), CheeseSpider_16 (CV), Delian_14 (CV), Fairfaxidum_14 (CV), Fenry_13 (CV), Frokostdame_14 (CV), Gambino_16 (CV), Guacamole_14 (CV), Hitter_14 (CV), Jalammah_15 (CV), JasperJr_14 (CV), JuJu_14 (CV), KappaFarmDelta_14 (CV), Lysidious_14 (CV), Malachai_14 (CV), Melba_14 (CV), Mellie_13 (CV), MintFen_14 (CV), MissRona_16 (CV), Murp_14 (CV), PCoral7_14 (CV), Petra_16 (CV), PhrostedPhlake_15 (CV), PrincePatrick_14 (CV), Samba_14 (CV), Soilmate_14 (CV), UmaThurman_14 (CV), Utz_14 (CV), Walrus_15 (CV), William_14 (CV), Wisp_13 (CV), Wocket_15 (CV), Zarbodnamra_14 (CV), ZiggyZoo_13 (CV), Zilla_14 (CV),

Start 57:
• Found in 56 of 691 (8.1%) of genes in pham
• Manual Annotations of this start: 46 of 629
• Called 92.9% of time when present

• Phage (with cluster) where this start called: Agamotto_16 (FR), AnnabelLee_14 (FR), Asapag_13 (DN1), Audell_17 (FR), BENtherdunthat_13 (DN1), BotCity_13 (DN), Budski_13 (DN), CardboardBox_14 (FR), ChamoyPickle_14 (FR), CheeseTouch_13 (DN1), ChipsNGuac_14 (FR), DS6A_16 (singleton), Ezurina_13 (FR), Frickyeah_13 (DN1), Fryberger_45 (DP), Gaia_10 (X), Gerri43_14 (FR), Getalong_13 (DN1), Gibbzilla_13 (FB), Guey18_50 (DP), Holliday_13 (DN1), Horus_13 (DN1), Kamaru_13 (DN1), Keelan_43 (DP), Kenna_13 (DN1), LastNadiia_17 (FR), Leroy_13 (DN1), LitninMcQueen_13 (DN1), Lutum_13 (DN1), Makima_15 (FR), MalagasyRose_19 (AG), Malisha_13 (DN), Mireles_14 (FR), Nebkiss_10 (X), Nergal_17 (AG), Neuvillette_14 (FR), Periwinkle_13 (DN1), Phabuloso_13 (DN1), Phistory_13 (DN1), Roberts_14 (FR), Ronaldo_48 (DP), ShawBrad_13 (DN1), Spartoi_11 (singleton), Spooky_13 (DN2), Squiddly_14 (DN2), Stellammi_10 (UNK), Studio_14 (FR), TMaxx_14 (FR), TripleC_17 (FR), Volt_47 (DP), Whitney_13 (DN1), Ziko_48 (DP),

Start 58:
• Found in 13 of 691 (1.9%) of genes in pham
• Manual Annotations of this start: 3 of 629
• Called 23.1% of time when present
• Phage (with cluster) where this start called: ATCC29399BT_11 (BU), P100.1_11 (BU), P100A_11 (BU),

Start 59:
• Found in 51 of 691 (7.4%) of genes in pham
• Manual Annotations of this start: 19 of 629
• Called 41.2% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_11 (BU), Avani_14 (F2), Blarby_15 (F), Che9d_14 (F2), Demsculpinboyz_14 (F2), Jabbawokkie_15 (F2), P1.1_11 (BU), P100D_11 (BU), P101A_11 (BU), P104A_11 (BU), P105_11 (BU), P106A_11 (BU), P106C_11 (BU), P106I_11 (BU), P106L_11 (BU), P106M_11 (BU), P9.1_11 (BU), SilverChicken_14 (F2), Soul22_14 (F2), Yoshi_14 (F2), Zapner_15 (F2),

Start 65:
• Found in 4 of 691 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 629
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kromp_14 (singleton), Samy_17 (singleton),

Start 66:
• Found in 57 of 691 (8.2%) of genes in pham
• Manual Annotations of this start: 29 of 629
• Called 71.9% of time when present
• Phage (with cluster) where this start called: Aquarius_11 (BU), Attacne_11 (BU), BruceLethal_11 (BU), Cota_11 (BU), DrParker_11 (BU), Enochoraptor_11 (BU), Enoki_11 (BU), Keiki_11 (BU), Kubed_11 (BU), Lauchelly_11 (BU), Leviosa_11 (BU), LilBandit_11 (BU), MEAK_11 (BU), Moyashi_11 (BU), MrAK_11 (BU), Ouroboros_11 (BU), P104B_11 (BU), P107A_11 (BU), P107C_11 (BU), P108C_11 (BU), PA6_11 (BU), PAD20_11 (BU), PAS50_11 (BU), PHL010M04_11 (BU), PHL037M02_11 (BU), PHL060L00_11 (BU), PHL067M10_11 (BU), PHL071N05_11 (BU), PHL111M01_11 (BU), PHL112N00_11 (BU), PHL113M01_11 (BU), PHL114L00_11 (BU), Pirate_11 (BU), Procrass1_11 (BU), QueenBey_11 (BU), Rileysaurus_11 (BU), SKKY_11 (BU),

Solid_11 (BU), Stormborn_11 (BU), Supernova_11 (BU), Wizzo_11 (BU),

Start 68:
• Found in 1 of 691 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_15 (CU2),

Start 69:
• Found in 17 of 691 (2.5%) of genes in pham
• Manual Annotations of this start: 17 of 629
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_21 (CU1), Bimmel_56 (BT), Catfish_16 (CU5), Dardanus_19 (CU3), DinoDaryn_19 (CU1), Goib_18 (CU1), Huffy_19 (CU1), Ibantik_76 (JN), Ponzi_51 (singleton), RunningOnE_69 (JN), Schmidt_15 (CU4), Splinter_17 (CU1), Spooks_57 (BT), Success_58 (BT), TZGordon_19 (CU1), TinaLin_20 (CU1), Vendetta_17 (CU1),

Summary by clusters:

There are 57 clusters represented in this pham: DN, singleton, I2, BA, DU2, F4, DD, DL, BT, BU, FB, DZ, FF, FN, FO, CU5, CU4, CU3, CU2, CU1, F5, I1, FR, I3, F, DN1, DP, DN2, CQ2, CQ1, EN, AG, CR3, KA, O, S, F3, T, DU1, AY, X, UNK, AF, CV, CR7, CR2, F1, F2, CR1, CR6, F6, CR4, CR5, F8, F7, JN, FQ1,

Info for manual annotations of cluster AF:
•Start number 47 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 57 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AY:
•Start number 42 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BT:
•Start number 69 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster BU:
•Start number 39 was manually annotated 1 time for cluster BU.
•Start number 58 was manually annotated 3 times for cluster BU.
•Start number 59 was manually annotated 12 times for cluster BU.
•Start number 66 was manually annotated 29 times for cluster BU.

Info for manual annotations of cluster CQ1:
•Start number 42 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 42 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 42 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 42 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 42 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 42 was manually annotated 9 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 42 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 42 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 42 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CU1:
•Start number 69 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 69 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 69 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 69 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 38 was manually annotated 1 time for cluster CV.
•Start number 51 was manually annotated 2 times for cluster CV.
•Start number 54 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster DD:
•Start number 42 was manually annotated 3 times for cluster DD.

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

Info for manual annotations of cluster DN:
•Start number 57 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 57 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 57 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:
•Start number 57 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 36 was manually annotated 2 times for cluster DU1.
•Start number 42 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 42 was manually annotated 4 times for cluster DU2.

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

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

Info for manual annotations of cluster F:
•Start number 23 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 11 was manually annotated 3 times for cluster F1.
•Start number 13 was manually annotated 10 times for cluster F1.
•Start number 14 was manually annotated 1 time for cluster F1.
•Start number 18 was manually annotated 2 times for cluster F1.
•Start number 23 was manually annotated 224 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 59 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 23 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 23 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 12 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster F7:
•Start number 23 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster FB:
•Start number 40 was manually annotated 8 times for cluster FB.
•Start number 57 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FF:
•Start number 42 was manually annotated 23 times for cluster FF.

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

Info for manual annotations of cluster FO:
•Start number 40 was manually annotated 7 times for cluster FO.

•Start number 42 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FQ1:
•Start number 42 was manually annotated 2 times for cluster FQ1.

Info for manual annotations of cluster FR:
•Start number 57 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster I1:
•Start number 20 was manually annotated 1 time for cluster I1.
•Start number 23 was manually annotated 5 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 23 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster JN:
•Start number 69 was manually annotated 2 times for cluster JN.

Info for manual annotations of cluster KA:
•Start number 40 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster O:
•Start number 23 was manually annotated 32 times for cluster O.

Info for manual annotations of cluster S:
•Start number 42 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster T:
•Start number 41 was manually annotated 1 time for cluster T.
•Start number 42 was manually annotated 6 times for cluster T.

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

Info for manual annotations of cluster X:
•Start number 57 was manually annotated 2 times for cluster X.

Gene Information:

Gene: ATCC29399BC_11 Start: 7150, Stop: 7785, Start Num: 59
Candidate Starts for ATCC29399BC_11:
(Start: 59 @7150 has 19 MA's), (64, 7159), (Start: 66 @7162 has 29 MA's), (96, 7255), (118, 7342), (175, 7531), (176, 7534), (179, 7543), (201, 7627), (205, 7642), (207, 7648), (225, 7690), (232, 7708),

Gene: ATCC29399BT_11 Start: 7147, Stop: 7782, Start Num: 58
Candidate Starts for ATCC29399BT_11:
(55, 7141), (Start: 58 @7147 has 3 MA's), (64, 7156), (Start: 66 @7159 has 29 MA's), (109, 7291), (118, 7339), (124, 7363), (175, 7528), (176, 7531), (201, 7624), (205, 7639), (207, 7645), (225, 7687), (232, 7705),

Gene: AbbyDaisy_13 Start: 7857, Stop: 8522, Start Num: 42
Candidate Starts for AbbyDaisy_13:
(Start: 42 @7857 has 149 MA's), (84, 7950), (115, 8064), (130, 8127), (134, 8145), (142, 8175), (168, 8265), (190, 8349), (202, 8397), (209, 8421), (221, 8451), (228, 8463),

Gene: Abscondus_41 Start: 17642, Stop: 18307, Start Num: 42
Candidate Starts for Abscondus_41:
(Start: 42 @17642 has 149 MA's), (85, 17732), (179, 18089),

Gene: Agamotto_16 Start: 11215, Stop: 11793, Start Num: 57
Candidate Starts for Agamotto_16:
(Start: 57 @11215 has 46 MA's), (75, 11242), (142, 11494),

Gene: Akhila_12 Start: 8280, Stop: 9089, Start Num: 23
Candidate Starts for Akhila_12:
(Start: 23 @8280 has 272 MA's), (24, 8292), (Start: 38 @8361 has 1 MA's), (Start: 42 @8370 has 149 MA's), (62, 8406), (74, 8430), (76, 8436), (94, 8499), (116, 8598), (119, 8613), (120, 8616), (121, 8619), (128, 8649), (133, 8670), (135, 8679), (148, 8733), (187, 8895), (205, 8967), (212, 8988), (235, 9039), (241, 9045),

Gene: Alatato_11 Start: 7604, Stop: 8251, Start Num: 40
Candidate Starts for Alatato_11:
(Start: 40 @7604 has 23 MA's), (76, 7664), (91, 7715), (100, 7736), (108, 7766), (136, 7892), (142, 7913), (143, 7916), (184, 8063), (245, 8228),

Gene: Aleemily_13 Start: 8905, Stop: 9573, Start Num: 40
Candidate Starts for Aleemily_13:
(Start: 40 @8905 has 23 MA's), (167, 9307), (188, 9388), (202, 9445), (233, 9526), (245, 9547),

Gene: Alexphander_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Alexphander_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (155, 7943), (187, 8078), (205, 8150), (206, 8153), (212, 8171), (235, 8222), (241, 8228),

Gene: Alkhayr_47 Start: 23768, Stop: 24583, Start Num: 23
Candidate Starts for Alkhayr_47:
(Start: 23 @23768 has 272 MA's), (Start: 38 @23849 has 1 MA's), (94, 23990), (97, 24005), (119, 24104), (123, 24122), (139, 24185), (142, 24197), (146, 24212), (177, 24329), (204, 24455),

Gene: AllBusiness_15 Start: 9307, Stop: 9975, Start Num: 42
Candidate Starts for AllBusiness_15:
(Start: 42 @9307 has 149 MA's), (98, 9442), (118, 9529), (134, 9595), (168, 9715), (214, 9886), (221, 9901),

Gene: Aloeri_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for Aloeri_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: AlpineSix_11 Start: 7607, Stop: 8416, Start Num: 23

Candidate Starts for AlpineSix_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: AnnabelLee_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for AnnabelLee_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Aoka_13 Start: 9111, Stop: 9773, Start Num: 40
Candidate Starts for Aoka_13:
(Start: 40 @9111 has 23 MA's), (76, 9177), (108, 9282), (136, 9408), (143, 9432), (184, 9579), (245, 9744),

Gene: Aphelion_42 Start: 17911, Stop: 18576, Start Num: 42
Candidate Starts for Aphelion_42:
(Start: 42 @17911 has 149 MA's), (85, 18001), (179, 18358), (221, 18511),

Gene: Apiary_39 Start: 23228, Stop: 23896, Start Num: 42
Candidate Starts for Apiary_39:
(Start: 42 @23228 has 149 MA's), (82, 23309), (98, 23366), (118, 23450), (144, 23552), (147, 23564), (174, 23651), (188, 23708), (205, 23777), (207, 23783), (211, 23795), (243, 23861), (245, 23867),

Gene: Aquarius_11 Start: 7160, Stop: 7801, Start Num: 66
Candidate Starts for Aquarius_11:
(28, 7076), (37, 7106), (48, 7130), (61, 7148), (64, 7157), (Start: 66 @7160 has 29 MA's), (96, 7253), (118, 7340), (127, 7376), (136, 7412), (174, 7526), (175, 7529), (176, 7532), (201, 7625), (205, 7640), (207, 7646), (225, 7688), (232, 7706),

Gene: ArV2_11 Start: 7388, Stop: 8074, Start Num: 34
Candidate Starts for ArV2_11:
(34, 7388), (Start: 36 @7394 has 2 MA's), (Start: 42 @7409 has 149 MA's), (67, 7454), (80, 7487), (108, 7580), (118, 7631), (130, 7679), (133, 7691), (134, 7697), (142, 7727), (162, 7793), (175, 7838), (190, 7901), (209, 7973), (221, 8003), (228, 8015), (234, 8033),

Gene: Archis_15 Start: 8891, Stop: 9529, Start Num: 54
Candidate Starts for Archis_15:
(Start: 51 @8888 has 2 MA's), (Start: 54 @8891 has 42 MA's), (92, 8981), (96, 8996), (132, 9149), (150, 9224), (157, 9248), (175, 9296), (192, 9353), (201, 9392), (236, 9476), (249, 9512),

Gene: ArcusAngelus_11 Start: 7620, Stop: 8429, Start Num: 23
Candidate Starts for ArcusAngelus_11:
(Start: 23 @7620 has 272 MA's), (24, 7632), (Start: 38 @7701 has 1 MA's), (Start: 42 @7710 has 149 MA's), (62, 7746), (74, 7770), (76, 7776), (94, 7839), (119, 7953), (120, 7956), (128, 7989), (133, 8010), (135, 8019), (148, 8073), (155, 8100), (176, 8175), (205, 8307), (212, 8328), (235, 8379), (241, 8385),

Gene: Ardmore_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Ardmore_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246),

(205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Arti_35 Start: 21382, Stop: 22065, Start Num: 42
Candidate Starts for Arti_35:
(Start: 42 @21382 has 149 MA's), (53, 21400), (91, 21493), (112, 21580), (113, 21583), (144, 21715), (174, 21814), (188, 21871), (205, 21940), (216, 21970), (226, 21991), (245, 22030),

Gene: Asapag_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for Asapag_13:
(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: Ashwin_48 Start: 23766, Stop: 24581, Start Num: 23
Candidate Starts for Ashwin_48:
(Start: 23 @23766 has 272 MA's), (Start: 38 @23847 has 1 MA's), (94, 23988), (97, 24003), (119, 24102), (123, 24120), (139, 24183), (142, 24195), (146, 24210), (177, 24327), (204, 24453),

Gene: Attacne_11 Start: 7163, Stop: 7786, Start Num: 66
Candidate Starts for Attacne_11:
(Start: 59 @7151 has 19 MA's), (64, 7160), (Start: 66 @7163 has 29 MA's), (96, 7256), (118, 7343), (127, 7379), (175, 7532), (176, 7535), (201, 7628), (205, 7643), (207, 7649), (225, 7691), (232, 7709),

Gene: Aubs_11 Start: 7628, Stop: 8437, Start Num: 23
Candidate Starts for Aubs_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7628 has 272 MA's), (24, 7640), (Start: 38 @7709 has 1 MA's), (Start: 42 @7718 has 149 MA's), (62, 7754), (74, 7778), (76, 7784), (94, 7847), (119, 7961), (120, 7964), (128, 7997), (133, 8018), (135, 8027), (148, 8081), (155, 8108), (176, 8183), (205, 8315), (212, 8336), (235, 8387), (241, 8393),

Gene: Audell_17 Start: 11494, Stop: 12072, Start Num: 57
Candidate Starts for Audell_17:
(Start: 57 @11494 has 46 MA's), (169, 11869),

Gene: Avani_14 Start: 7679, Stop: 8272, Start Num: 59
Candidate Starts for Avani_14:
(Start: 59 @7679 has 19 MA's), (73, 7697), (109, 7814), (117, 7853), (133, 7919), (142, 7952), (145, 7964), (150, 7988), (175, 8060), (178, 8069), (180, 8081), (185, 8093), (192, 8117), (196, 8135),

Gene: Awesomesauce_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for Awesomesauce_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (147, 7911), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Azula_16 Start: 9023, Stop: 9661, Start Num: 54
Candidate Starts for Azula_16:
(Start: 51 @9020 has 2 MA's), (Start: 54 @9023 has 42 MA's), (92, 9113), (96, 9128), (111, 9194), (119, 9230), (132, 9281), (150, 9356), (157, 9380), (175, 9428), (192, 9485), (201, 9524), (236, 9608), (249, 9644),

Gene: BENtherdunthat_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for BENtherdunthat_13:

(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: Babsiella_13 Start: 8812, Stop: 9663, Start Num: 20
Candidate Starts for Babsiella_13:
(Start: 20 @8812 has 1 MA's), (Start: 23 @8863 has 272 MA's), (Start: 42 @8959 has 149 MA's), (76, 9022), (97, 9100), (119, 9199), (128, 9235), (195, 9511), (212, 9571), (217, 9577),

Gene: Bachita_44 Start: 18344, Stop: 19009, Start Num: 42
Candidate Starts for Bachita_44:
(Start: 42 @18344 has 149 MA's), (85, 18434), (179, 18791), (221, 18944),

Gene: Banquo_21 Start: 11777, Stop: 12373, Start Num: 69
Candidate Starts for Banquo_21:
(Start: 69 @11777 has 17 MA's), (96, 11861), (105, 11885), (117, 11939), (147, 12062), (178, 12173), (179, 12176), (180, 12185), (187, 12203), (197, 12242), (215, 12293),

Gene: Bantam_24 Start: 15333, Stop: 15989, Start Num: 42
Candidate Starts for Bantam_24:
(27, 15276), (Start: 42 @15333 has 149 MA's), (73, 15384), (78, 15399), (150, 15678),

Gene: Barco_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for Barco_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: Batiatus_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Batiatus_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Bauer_15 Start: 9233, Stop: 9898, Start Num: 42
Candidate Starts for Bauer_15:
(Start: 42 @9233 has 149 MA's), (67, 9278), (79, 9308), (108, 9401), (109, 9404), (117, 9443), (129, 9494), (162, 9614), (221, 9824), (234, 9854),

Gene: Beakin_12 Start: 7465, Stop: 8274, Start Num: 23
Candidate Starts for Beakin_12:
(Start: 18 @7408 has 2 MA's), (Start: 23 @7465 has 272 MA's), (24, 7477), (Start: 42 @7555 has 149 MA's), (62, 7591), (74, 7615), (76, 7621), (94, 7684), (119, 7798), (120, 7801), (121, 7804), (128, 7834), (133, 7855), (135, 7864), (147, 7912), (148, 7918), (155, 7945), (187, 8080), (205, 8152), (212, 8173), (235, 8224), (241, 8230),

Gene: Beanstalk_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Beanstalk_12:
(Start: 11 @7385 has 3 MA's), (Start: 13 @7388 has 10 MA's), (Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (Start: 42 @7550 has 149 MA's), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (147, 7907), (148, 7913), (155, 7940), (187, 8075), (205, 8147), (212, 8168), (235, 8219), (241, 8225),

Gene: Beelzebub_49 Start: 19342, Stop: 20007, Start Num: 42

Candidate Starts for Beelzebub_49:
(Start: 42 @19342 has 149 MA's), (78, 19408), (107, 19501), (112, 19528), (131, 19612), (149, 19684), (190, 19831), (192, 19837), (200, 19864), (201, 19876),

Gene: Begonia_14 Start: 8682, Stop: 9320, Start Num: 54
Candidate Starts for Begonia_14:
(Start: 51 @8679 has 2 MA's), (Start: 54 @8682 has 42 MA's), (92, 8772), (96, 8787), (111, 8853), (150, 9015), (157, 9039), (175, 9087), (192, 9144), (201, 9183), (236, 9267), (249, 9303),

Gene: BellaJr_15 Start: 9265, Stop: 9927, Start Num: 42
Candidate Starts for BellaJr_15:
(Start: 42 @9265 has 149 MA's), (77, 9334), (82, 9352), (84, 9358), (118, 9487), (133, 9547), (142, 9583), (150, 9619), (153, 9631), (168, 9670), (190, 9754), (216, 9844),

Gene: Bernal13_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for Bernal13_14:
(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: BiPauneto_38 Start: 21225, Stop: 21905, Start Num: 42
Candidate Starts for BiPauneto_38:
(Start: 42 @21225 has 149 MA's), (112, 21420), (131, 21504), (144, 21555), (174, 21654), (188, 21711), (205, 21780), (226, 21831), (245, 21870),

Gene: BigPhil_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for BigPhil_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: BigSherm_16 Start: 9252, Stop: 9920, Start Num: 42
Candidate Starts for BigSherm_16:
(Start: 42 @9252 has 149 MA's), (134, 9540), (168, 9660), (202, 9792), (221, 9846),

Gene: Bimmel_56 Start: 31804, Stop: 32394, Start Num: 69
Candidate Starts for Bimmel_56:
(Start: 57 @31786 has 46 MA's), (Start: 69 @31804 has 17 MA's), (109, 31942), (128, 32029), (133, 32050), (151, 32122), (179, 32209), (186, 32242), (187, 32245), (191, 32260),

Gene: Bipolar_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Bipolar_11:
(Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 38 @7680 has 1 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (118, 7929), (119, 7932), (120, 7935), (121, 7938), (128, 7968), (133, 7989), (135, 7998), (148, 8052), (155, 8079), (156, 8085), (187, 8214), (205, 8286), (212, 8307), (235, 8358), (241, 8364),

Gene: BlackSpider_13 Start: 8260, Stop: 8922, Start Num: 42
Candidate Starts for BlackSpider_13:
(Start: 42 @8260 has 149 MA's), (77, 8329), (82, 8347), (84, 8353), (118, 8482), (133, 8542), (142, 8578), (150, 8614), (153, 8626), (168, 8665), (183, 8725), (190, 8749),

Gene: Blackbeetle_45 Start: 18361, Stop: 19026, Start Num: 42

Candidate Starts for Blackbeetle_45:
(Start: 42 @18361 has 149 MA's), (78, 18427), (107, 18520), (112, 18547), (131, 18631), (149, 18703), (190, 18850), (192, 18856), (200, 18883), (201, 18895),

Gene: Blarby_15 Start: 8203, Stop: 8796, Start Num: 59
Candidate Starts for Blarby_15:
(Start: 59 @8203 has 19 MA's), (73, 8221), (109, 8338), (117, 8377), (133, 8443), (142, 8476), (145, 8488), (150, 8512), (175, 8584), (178, 8593), (180, 8605), (185, 8617), (192, 8641), (196, 8659),

Gene: Blessica_48 Start: 24169, Stop: 24984, Start Num: 23
Candidate Starts for Blessica_48:
(Start: 23 @24169 has 272 MA's), (Start: 38 @24250 has 1 MA's), (94, 24391), (97, 24406), (119, 24505), (123, 24523), (139, 24586), (142, 24598), (146, 24613), (177, 24730), (204, 24856),

Gene: Blexus_11 Start: 7553, Stop: 8434, Start Num: 13
Candidate Starts for Blexus_11:
(Start: 13 @7553 has 10 MA's), (Start: 18 @7568 has 2 MA's), (Start: 23 @7625 has 272 MA's), (24, 7637), (62, 7751), (74, 7775), (76, 7781), (94, 7844), (119, 7958), (120, 7961), (121, 7964), (128, 7994), (133, 8015), (135, 8024), (148, 8078), (155, 8105), (187, 8240), (212, 8333), (235, 8384), (241, 8390),

Gene: BlingBling_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for BlingBling_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: Blino_14 Start: 8579, Stop: 9217, Start Num: 54
Candidate Starts for Blino_14:
(Start: 51 @8576 has 2 MA's), (Start: 54 @8579 has 42 MA's), (92, 8669), (96, 8684), (111, 8750), (132, 8837), (150, 8912), (157, 8936), (175, 8984), (192, 9041), (201, 9080), (236, 9164), (249, 9200),

Gene: BlueCrab_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for BlueCrab_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Blueberry_16 Start: 9023, Stop: 9661, Start Num: 54
Candidate Starts for Blueberry_16:
(Start: 51 @9020 has 2 MA's), (Start: 54 @9023 has 42 MA's), (92, 9113), (96, 9128), (111, 9194), (119, 9230), (132, 9281), (150, 9356), (157, 9380), (175, 9428), (192, 9485), (201, 9524), (236, 9608), (249, 9644),

Gene: Bluvara_13 Start: 8862, Stop: 9662, Start Num: 23
Candidate Starts for Bluvara_13:
(Start: 20 @8811 has 1 MA's), (Start: 23 @8862 has 272 MA's), (Start: 42 @8958 has 149 MA's), (76, 9021), (97, 9099), (119, 9198), (128, 9234), (151, 9330), (195, 9510), (212, 9570), (217, 9576),

Gene: BobaPhett_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for BobaPhett_11:
(Start: 18 @7544 has 2 MA's), (Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128,

7970), (133, 7991), (135, 8000), (147, 8048), (148, 8054), (154, 8078), (187, 8216), (205, 8288), (212, 8309), (230, 8342), (235, 8360), (241, 8366),

Gene: Bobi_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Bobi_12:
(17, 7403), (Start: 23 @7460 has 272 MA's), (24, 7472), (Start: 42 @7550 has 149 MA's), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (205, 8147), (212, 8168), (235, 8219), (241, 8225),

Gene: BodEinwohner17_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for BodEinwohner17_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Bonum_38 Start: 21700, Stop: 22383, Start Num: 42
Candidate Starts for Bonum_38:
(Start: 42 @21700 has 149 MA's), (113, 21901), (122, 21949), (144, 22033), (151, 22063), (174, 22132), (177, 22141), (188, 22189), (205, 22258), (245, 22348),

Gene: Boomer_12 Start: 7386, Stop: 8270, Start Num: 11
Candidate Starts for Boomer_12:
(Start: 11 @7386 has 3 MA's), (Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: Bora_44 Start: 23219, Stop: 24034, Start Num: 23
Candidate Starts for Bora_44:
(Start: 23 @23219 has 272 MA's), (Start: 38 @23300 has 1 MA's), (94, 23441), (97, 23456), (119, 23555), (123, 23573), (139, 23636), (142, 23648), (146, 23663), (177, 23780), (204, 23906),

Gene: BotCity_13 Start: 7512, Stop: 8084, Start Num: 57
Candidate Starts for BotCity_13:
(Start: 57 @7512 has 46 MA's), (73, 7533), (81, 7554), (84, 7566), (126, 7725), (138, 7767), (145, 7800), (203, 7989), (242, 8073),

Gene: Braxoaddie_39 Start: 23217, Stop: 23885, Start Num: 42
Candidate Starts for Braxoaddie_39:
(Start: 42 @23217 has 149 MA's), (82, 23298), (98, 23355), (118, 23439), (144, 23541), (147, 23553), (174, 23640), (188, 23697), (205, 23766), (207, 23772), (211, 23784), (243, 23850), (245, 23856),

Gene: BrayBeast_12 Start: 8007, Stop: 8660, Start Num: 40
Candidate Starts for BrayBeast_12:
(Start: 40 @8007 has 23 MA's), (76, 8067), (91, 8118), (108, 8172), (129, 8268), (131, 8277), (136, 8298), (143, 8322), (150, 8355), (184, 8469), (245, 8634),

Gene: Brocalys_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Brocalys_11:
(Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (148, 8051), (187, 8213), (212, 8306), (235, 8357), (241, 8363),

Gene: Brookers_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Brookers_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: BruceLethal_11 Start: 7160, Stop: 7792, Start Num: 66
Candidate Starts for BruceLethal_11:
(Start: 59 @7148 has 19 MA's), (64, 7157), (Start: 66 @7160 has 29 MA's), (96, 7253), (118, 7340), (127, 7376), (175, 7529), (176, 7532), (201, 7625), (205, 7640), (207, 7646), (225, 7688), (232, 7706),

Gene: Brujita_13 Start: 8865, Stop: 9665, Start Num: 23
Candidate Starts for Brujita_13:
(21, 8820), (Start: 23 @8865 has 272 MA's), (Start: 42 @8961 has 149 MA's), (76, 9024), (97, 9102), (119, 9201), (128, 9237), (195, 9513), (212, 9573), (217, 9579),

Gene: Brushbloom_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Brushbloom_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 38 @7544 has 1 MA's), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (230, 8204), (235, 8222), (241, 8228),

Gene: BrutonGaster_30 Start: 14524, Stop: 15189, Start Num: 42
Candidate Starts for BrutonGaster_30:
(35, 14506), (Start: 42 @14524 has 149 MA's), (118, 14755), (133, 14815), (135, 14824), (169, 14941),

Gene: Bubbles123_11 Start: 7629, Stop: 8438, Start Num: 23
Candidate Starts for Bubbles123_11:
(Start: 18 @7572 has 2 MA's), (Start: 23 @7629 has 272 MA's), (24, 7641), (Start: 42 @7719 has 149 MA's), (62, 7755), (74, 7779), (76, 7785), (94, 7848), (118, 7959), (119, 7962), (120, 7965), (121, 7968), (128, 7998), (133, 8019), (135, 8028), (147, 8076), (148, 8082), (155, 8109), (174, 8178), (187, 8244), (205, 8316), (212, 8337), (235, 8388), (241, 8394),

Gene: Budski_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for Budski_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: Buggaboo_36 Start: 22185, Stop: 22868, Start Num: 42
Candidate Starts for Buggaboo_36:
(Start: 42 @22185 has 149 MA's), (113, 22386), (144, 22518), (174, 22617), (177, 22626), (188, 22674), (205, 22743), (245, 22833),

Gene: Burwell21_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for Burwell21_11:
(Start: 13 @7536 has 10 MA's), (17, 7551), (Start: 23 @7608 has 272 MA's), (24, 7620), (Start: 42 @7698 has 149 MA's), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (147, 8055), (148, 8061), (154, 8085), (187, 8223), (205, 8295), (212, 8316), (230, 8349), (235, 8367), (241, 8373),

Gene: BuzzLyseyear_12 Start: 7459, Stop: 8268, Start Num: 23

Candidate Starts for BuzzLyseyear_12:
(Start: 18 @7402 has 2 MA's), (Start: 23 @7459 has 272 MA's), (24, 7471), (Start: 42 @7549 has 149 MA's), (62, 7585), (74, 7609), (76, 7615), (94, 7678), (119, 7792), (120, 7795), (121, 7798), (128, 7828), (133, 7849), (135, 7858), (148, 7912), (187, 8074), (205, 8146), (212, 8167), (235, 8218), (241, 8224),

Gene: ByChance_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for ByChance_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (212, 8319), (230, 8352), (235, 8370), (241, 8376),

Gene: Byougenkin_11 Start: 7602, Stop: 8411, Start Num: 23
Candidate Starts for Byougenkin_11:
(Start: 23 @7602 has 272 MA's), (24, 7614), (Start: 42 @7692 has 149 MA's), (62, 7728), (74, 7752), (76, 7758), (94, 7821), (118, 7932), (119, 7935), (120, 7938), (121, 7941), (128, 7971), (133, 7992), (135, 8001), (148, 8055), (205, 8289), (212, 8310), (235, 8361), (241, 8367),

Gene: C3PO_23 Start: 15961, Stop: 16623, Start Num: 42
Candidate Starts for C3PO_23:
(Start: 42 @15961 has 149 MA's), (53, 15979), (82, 16042), (84, 16048), (144, 16282), (174, 16378), (188, 16435), (192, 16450), (245, 16594),

Gene: Cabrinians_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for Cabrinians_11:
(Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128, 7970), (133, 7991), (135, 8000), (148, 8054), (155, 8081), (187, 8216), (205, 8288), (212, 8309), (230, 8342), (235, 8360), (241, 8366),

Gene: Cafasso_13 Start: 8905, Stop: 9573, Start Num: 40
Candidate Starts for Cafasso_13:
(Start: 40 @8905 has 23 MA's), (167, 9307), (188, 9388), (202, 9445), (233, 9526), (245, 9547),

Gene: Caprice_44 Start: 18431, Stop: 19096, Start Num: 42
Candidate Starts for Caprice_44:
(Start: 42 @18431 has 149 MA's), (78, 18497), (107, 18590), (112, 18617), (131, 18701), (149, 18773), (190, 18920), (192, 18926), (200, 18953), (201, 18965),

Gene: CaptainKirk2_14 Start: 8682, Stop: 9320, Start Num: 54
Candidate Starts for CaptainKirk2_14:
(Start: 51 @8679 has 2 MA's), (Start: 54 @8682 has 42 MA's), (92, 8772), (96, 8787), (132, 8940), (150, 9015), (157, 9039), (175, 9087), (192, 9144), (201, 9183), (236, 9267), (249, 9303),

Gene: CaptainTrips_12 Start: 8279, Stop: 9088, Start Num: 23
Candidate Starts for CaptainTrips_12:
(Start: 14 @8207 has 1 MA's), (Start: 23 @8279 has 272 MA's), (24, 8291), (Start: 38 @8360 has 1 MA's), (Start: 42 @8369 has 149 MA's), (62, 8405), (74, 8429), (76, 8435), (94, 8498), (118, 8609), (119, 8612), (120, 8615), (128, 8648), (133, 8669), (135, 8678), (148, 8732), (187, 8894), (205, 8966), (212, 8987), (235, 9038), (241, 9044),

Gene: CardboardBox_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for CardboardBox_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Cardigan_40 Start: 19485, Stop: 20150, Start Num: 42
Candidate Starts for Cardigan_40:
(Start: 42 @19485 has 149 MA's), (87, 19578), (107, 19647), (150, 19836), (160, 19863), (211, 20052),

Gene: CarolAnn_14 Start: 8578, Stop: 9216, Start Num: 54
Candidate Starts for CarolAnn_14:
(Start: 51 @8575 has 2 MA's), (Start: 54 @8578 has 42 MA's), (92, 8668), (96, 8683), (111, 8749), (132, 8836), (150, 8911), (157, 8935), (175, 8983), (192, 9040), (201, 9079), (236, 9163), (249, 9199),

Gene: Cassini_13 Start: 8229, Stop: 8891, Start Num: 42
Candidate Starts for Cassini_13:
(Start: 42 @8229 has 149 MA's), (77, 8298), (82, 8316), (84, 8322), (118, 8451), (133, 8511), (142, 8547), (150, 8583), (153, 8595), (168, 8634), (190, 8718),

Gene: Catdawg_47 Start: 23858, Stop: 24673, Start Num: 23
Candidate Starts for Catdawg_47:
(Start: 23 @23858 has 272 MA's), (Start: 38 @23939 has 1 MA's), (94, 24080), (97, 24095), (119, 24194), (123, 24212), (139, 24275), (142, 24287), (146, 24302), (177, 24419), (204, 24545),

Gene: Catfish_16 Start: 9760, Stop: 10344, Start Num: 69
Candidate Starts for Catfish_16:
(46, 9721), (Start: 69 @9760 has 17 MA's), (87, 9811), (96, 9844), (105, 9868), (161, 10096), (171, 10135), (178, 10156), (180, 10168), (197, 10225), (222, 10291), (229, 10297),

Gene: Cerasum_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Cerasum_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: ChamoyPickle_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for ChamoyPickle_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Che8_11 Start: 7613, Stop: 8422, Start Num: 23
Candidate Starts for Che8_11:
(Start: 18 @7556 has 2 MA's), (Start: 23 @7613 has 272 MA's), (24, 7625), (Start: 42 @7703 has 149 MA's), (62, 7739), (74, 7763), (76, 7769), (94, 7832), (119, 7946), (120, 7949), (121, 7952), (128, 7982), (133, 8003), (135, 8012), (148, 8066), (155, 8093), (174, 8162), (187, 8228), (205, 8300), (212, 8321), (235, 8372), (241, 8378),

Gene: Che9c_12 Start: 8479, Stop: 9276, Start Num: 23
Candidate Starts for Che9c_12:
(Start: 20 @8431 has 1 MA's), (Start: 23 @8479 has 272 MA's), (Start: 42 @8575 has 149 MA's), (96, 8710), (119, 8815), (155, 8962), (181, 9076), (212, 9184), (217, 9190),

Gene: Che9d_14 Start: 7688, Stop: 8281, Start Num: 59
Candidate Starts for Che9d_14:
(Start: 59 @7688 has 19 MA's), (73, 7706), (109, 7823), (117, 7862), (133, 7928), (142, 7961), (145, 7973), (150, 7997), (175, 8069), (178, 8078), (180, 8090), (185, 8102), (192, 8126), (196, 8144),

Gene: CheeseSpider_16 Start: 9022, Stop: 9660, Start Num: 54

Candidate Starts for CheeseSpider_16:
(Start: 51 @9019 has 2 MA's), (Start: 54 @9022 has 42 MA's), (92, 9112), (96, 9127), (119, 9229), (132, 9280), (150, 9355), (157, 9379), (175, 9427), (201, 9523), (236, 9607), (249, 9643),

Gene: CheeseTouch_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for CheeseTouch_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: Cheesepuff_11 Start: 7612, Stop: 8421, Start Num: 23
Candidate Starts for Cheesepuff_11:
(Start: 23 @7612 has 272 MA's), (24, 7624), (Start: 42 @7702 has 149 MA's), (62, 7738), (74, 7762), (76, 7768), (94, 7831), (119, 7945), (120, 7948), (121, 7951), (128, 7981), (133, 8002), (135, 8011), (148, 8065), (155, 8092), (187, 8227), (205, 8299), (212, 8320), (235, 8371), (241, 8377),

Gene: Chevrolet_11 Start: 7620, Stop: 8429, Start Num: 23
Candidate Starts for Chevrolet_11:
(Start: 23 @7620 has 272 MA's), (24, 7632), (Start: 38 @7701 has 1 MA's), (Start: 42 @7710 has 149 MA's), (62, 7746), (74, 7770), (76, 7776), (94, 7839), (119, 7953), (120, 7956), (128, 7989), (133, 8010), (135, 8019), (148, 8073), (155, 8100), (176, 8175), (205, 8307), (212, 8328), (235, 8379), (241, 8385),

Gene: ChewyVIII_49 Start: 28800, Stop: 29486, Start Num: 42
Candidate Starts for ChewyVIII_49:
(Start: 42 @28800 has 149 MA's), (80, 28875), (131, 29088), (144, 29139), (174, 29238), (184, 29283), (188, 29295), (205, 29364), (207, 29370), (245, 29454), (250, 29472),

Gene: ChickenDinner_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for ChickenDinner_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: ChipsNGuac_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for ChipsNGuac_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Chuckly_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Chuckly_11:
(Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (230, 8372), (235, 8390), (241, 8396),

Gene: Clank_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Clank_11:
(Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 38 @7680 has 1 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (119, 7932), (120, 7935), (128, 7968), (133, 7989), (135, 7998), (148, 8052), (155, 8079), (156, 8085), (205, 8286), (212, 8307), (235, 8358), (241, 8364),

Gene: Clarkson_46 Start: 19043, Stop: 19708, Start Num: 42
Candidate Starts for Clarkson_46:

(Start: 42 @19043 has 149 MA's), (78, 19109), (107, 19202), (112, 19229), (131, 19313), (149, 19385), (190, 19532), (192, 19538), (200, 19565), (201, 19577),

Gene: Clifton_11 Start: 7597, Stop: 8406, Start Num: 23
Candidate Starts for Clifton_11:
(Start: 23 @7597 has 272 MA's), (24, 7609), (Start: 42 @7687 has 149 MA's), (62, 7723), (74, 7747), (76, 7753), (94, 7816), (119, 7930), (120, 7933), (121, 7936), (128, 7966), (133, 7987), (135, 7996), (148, 8050), (155, 8077), (187, 8212), (212, 8305), (235, 8356), (241, 8362),

Gene: ClubL_42 Start: 17833, Stop: 18498, Start Num: 42
Candidate Starts for ClubL_42:
(Start: 42 @17833 has 149 MA's), (85, 17923), (179, 18280), (221, 18433),

Gene: Coco12_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Coco12_12:
(Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (147, 7909), (148, 7915), (187, 8077), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: CocoCinnamon_16 Start: 9349, Stop: 9993, Start Num: 42
Candidate Starts for CocoCinnamon_16:
(Start: 40 @9346 has 23 MA's), (Start: 42 @9349 has 149 MA's), (76, 9406), (91, 9457), (100, 9478), (136, 9634), (143, 9658), (148, 9682), (168, 9742), (174, 9760), (245, 9970),

Gene: CoffeeBean_39 Start: 23172, Stop: 23840, Start Num: 42
Candidate Starts for CoffeeBean_39:
(Start: 42 @23172 has 149 MA's), (82, 23253), (98, 23310), (118, 23394), (144, 23496), (147, 23508), (174, 23595), (188, 23652), (205, 23721), (207, 23727), (211, 23739), (243, 23805), (245, 23811),

Gene: Cole_14 Start: 8911, Stop: 9579, Start Num: 42
Candidate Starts for Cole_14:
(Start: 42 @8911 has 149 MA's), (134, 9199), (168, 9319), (202, 9451), (221, 9505),

Gene: Colossa_14 Start: 8718, Stop: 9617, Start Num: 40
Candidate Starts for Colossa_14:
(Start: 40 @8718 has 23 MA's), (86, 8808), (98, 8853), (188, 9195), (248, 9369), (251, 9381), (253, 9414), (260, 9492),

Gene: Commandaria_37 Start: 22702, Stop: 23388, Start Num: 42
Candidate Starts for Commandaria_37:
(Start: 42 @22702 has 149 MA's), (112, 22900), (113, 22903), (122, 22951), (144, 23035), (174, 23134), (188, 23191), (203, 23251), (205, 23260), (216, 23290), (226, 23311), (245, 23350),

Gene: Corazon_43 Start: 18996, Stop: 19661, Start Num: 42
Candidate Starts for Corazon_43:
(Start: 42 @18996 has 149 MA's), (78, 19062), (107, 19155), (112, 19182), (131, 19266), (149, 19338), (190, 19485), (192, 19491), (200, 19518), (201, 19530),

Gene: Corium_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for Corium_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (74, 7782), (76, 7788), (94, 7851), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Corndog_49 Start: 24316, Stop: 25131, Start Num: 23
Candidate Starts for Corndog_49:
(Start: 23 @24316 has 272 MA's), (Start: 38 @24397 has 1 MA's), (94, 24538), (97, 24553), (119, 24652), (123, 24670), (139, 24733), (142, 24745), (146, 24760), (177, 24877), (204, 25003),

Gene: Cornie_12 Start: 7811, Stop: 8707, Start Num: 12
Candidate Starts for Cornie_12:
(Start: 12 @7811 has 1 MA's), (Start: 23 @7898 has 272 MA's), (62, 8024), (76, 8054), (87, 8087), (89, 8099), (96, 8126), (119, 8231), (141, 8321), (187, 8513), (205, 8585), (212, 8606),

Gene: Cornucopia_12 Start: 7481, Stop: 8290, Start Num: 23
Candidate Starts for Cornucopia_12:
(Start: 23 @7481 has 272 MA's), (24, 7493), (Start: 38 @7562 has 1 MA's), (Start: 42 @7571 has 149 MA's), (62, 7607), (74, 7631), (76, 7637), (94, 7700), (118, 7811), (119, 7814), (120, 7817), (121, 7820), (128, 7850), (133, 7871), (135, 7880), (147, 7928), (148, 7934), (155, 7961), (174, 8030), (187, 8096), (205, 8168), (212, 8189), (235, 8240), (241, 8246),

Gene: Cota_11 Start: 7170, Stop: 7796, Start Num: 66
Candidate Starts for Cota_11:
(Start: 59 @7158 has 19 MA's), (64, 7167), (Start: 66 @7170 has 29 MA's), (96, 7263), (118, 7350), (127, 7386), (175, 7539), (176, 7542), (192, 7596), (201, 7635), (205, 7650), (207, 7656), (225, 7698), (232, 7716),

Gene: Cruella_23 Start: 15961, Stop: 16623, Start Num: 42
Candidate Starts for Cruella_23:
(Start: 42 @15961 has 149 MA's), (53, 15979), (82, 16042), (84, 16048), (144, 16282), (174, 16378), (188, 16435), (192, 16450), (245, 16594),

Gene: Crumble_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Crumble_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (155, 8091), (205, 8298), (212, 8319), (235, 8370), (241, 8376),

Gene: Cucurbita_44 Start: 19203, Stop: 19868, Start Num: 42
Candidate Starts for Cucurbita_44:
(Start: 42 @19203 has 149 MA's), (85, 19293), (179, 19650), (221, 19803),

Gene: Culver_42 Start: 17642, Stop: 18307, Start Num: 42
Candidate Starts for Culver_42:
(Start: 42 @17642 has 149 MA's), (85, 17732), (179, 18089),

Gene: DLane_11 Start: 7630, Stop: 8439, Start Num: 23
Candidate Starts for DLane_11:
(5, 7432), (6, 7453), (7, 7456), (22, 7591), (Start: 23 @7630 has 272 MA's), (24, 7642), (Start: 38 @7711 has 1 MA's), (Start: 42 @7720 has 149 MA's), (62, 7756), (74, 7780), (76, 7786), (94, 7849), (116, 7948), (119, 7963), (120, 7966), (128, 7999), (133, 8020), (135, 8029), (148, 8083), (187, 8245), (205, 8317), (212, 8338), (235, 8389), (241, 8395),

Gene: DRBy19_11 Start: 7624, Stop: 8433, Start Num: 23
Candidate Starts for DRBy19_11:

(Start: 13 @7552 has 10 MA's), (Start: 18 @7567 has 2 MA's), (Start: 23 @7624 has 272 MA's), (24, 7636), (Start: 42 @7714 has 149 MA's), (62, 7750), (74, 7774), (76, 7780), (94, 7843), (119, 7957), (120, 7960), (121, 7963), (128, 7993), (133, 8014), (135, 8023), (148, 8077), (155, 8104), (187, 8239), (205, 8311), (212, 8332), (235, 8383), (241, 8389),

Gene: DS6A_16 Start: 10775, Stop: 11446, Start Num: 57
Candidate Starts for DS6A_16:
(Start: 57 @10775 has 46 MA's), (105, 10898), (109, 10913), (135, 11027), (149, 11084), (150, 11090), (162, 11123), (175, 11168), (176, 11171), (196, 11267), (198, 11273),

Gene: DaWorst_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for DaWorst_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: DaddyRickover_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for DaddyRickover_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Daenerys_11 Start: 7537, Stop: 8418, Start Num: 13
Candidate Starts for Daenerys_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Dalilpop_40 Start: 23693, Stop: 24376, Start Num: 42
Candidate Starts for Dalilpop_40:
(Start: 42 @23693 has 149 MA's), (113, 23894), (144, 24026), (174, 24125), (182, 24164), (188, 24182), (205, 24251), (226, 24302), (245, 24341),

Gene: Dante_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Dante_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (205, 8313), (206, 8316), (212, 8334), (235, 8385), (241, 8391),

Gene: Dardanus_19 Start: 10822, Stop: 11409, Start Num: 69
Candidate Starts for Dardanus_19:
(Start: 69 @10822 has 17 MA's), (87, 10873), (90, 10888), (96, 10906), (105, 10930), (135, 11062), (147, 11107), (178, 11218), (222, 11353), (229, 11359),

Gene: Daredevil_23 Start: 13726, Stop: 14382, Start Num: 42
Candidate Starts for Daredevil_23:
(27, 13669), (Start: 42 @13726 has 149 MA's), (56, 13747), (73, 13777), (133, 14002), (163, 14104), (194, 14224), (221, 14311), (223, 14314), (226, 14320),

Gene: Darwin_26 Start: 16706, Stop: 17368, Start Num: 42
Candidate Starts for Darwin_26:

(Start: 42 @16706 has 149 MA's), (53, 16724), (82, 16787), (84, 16793), (144, 17027), (174, 17123), (188, 17180), (192, 17195), (245, 17339),

Gene: DatBoi_25 Start: 16122, Stop: 16778, Start Num: 42
Candidate Starts for DatBoi_25:
(27, 16065), (Start: 42 @16122 has 149 MA's), (73, 16173), (150, 16467),

Gene: DeadP_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for DeadP_11:
(Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Deb65_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Deb65_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Delian_14 Start: 8682, Stop: 9320, Start Num: 54
Candidate Starts for Delian_14:
(Start: 51 @8679 has 2 MA's), (Start: 54 @8682 has 42 MA's), (92, 8772), (96, 8787), (132, 8940), (150, 9015), (157, 9039), (175, 9087), (192, 9144), (201, 9183), (236, 9267), (249, 9303),

Gene: Demsculpinboyz_14 Start: 7679, Stop: 8272, Start Num: 59
Candidate Starts for Demsculpinboyz_14:
(Start: 59 @7679 has 19 MA's), (73, 7697), (109, 7814), (117, 7853), (133, 7919), (142, 7952), (145, 7964), (150, 7988), (175, 8060), (178, 8069), (180, 8081), (185, 8093), (192, 8117), (196, 8135),

Gene: DillTech15_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for DillTech15_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: DinoDaryn_19 Start: 10919, Stop: 11509, Start Num: 69
Candidate Starts for DinoDaryn_19:
(Start: 69 @10919 has 17 MA's), (81, 10952), (90, 10985), (96, 11003), (147, 11204), (178, 11315), (179, 11318), (187, 11345), (205, 11417),

Gene: DirtMcgirt_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for DirtMcgirt_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 38 @7545 has 1 MA's), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (118, 7794), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Dirtdigger_16 Start: 9229, Stop: 9897, Start Num: 42
Candidate Starts for Dirtdigger_16:

(Start: 42 @9229 has 149 MA's), (98, 9364), (118, 9451), (134, 9517), (168, 9637), (214, 9808), (221, 9823),

Gene: DoRead_11 Start: 7588, Stop: 8397, Start Num: 23
Candidate Starts for DoRead_11:
(Start: 23 @7588 has 272 MA's), (24, 7600), (Start: 38 @7669 has 1 MA's), (62, 7714), (74, 7738), (76, 7744), (94, 7807), (119, 7921), (120, 7924), (128, 7957), (133, 7978), (135, 7987), (148, 8041), (155, 8068), (156, 8074), (187, 8203), (205, 8275), (212, 8296), (235, 8347), (241, 8353),

Gene: DocMcStuffins_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for DocMcStuffins_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Donatella_15 Start: 9378, Stop: 10046, Start Num: 42
Candidate Starts for Donatella_15:
(Start: 42 @9378 has 149 MA's), (77, 9447), (118, 9600), (134, 9666), (168, 9786), (202, 9918), (221, 9972),

Gene: Donkeykong_11 Start: 7627, Stop: 8436, Start Num: 23
Candidate Starts for Donkeykong_11:
(Start: 18 @7570 has 2 MA's), (Start: 23 @7627 has 272 MA's), (24, 7639), (Start: 42 @7717 has 149 MA's), (62, 7753), (74, 7777), (76, 7783), (94, 7846), (119, 7960), (120, 7963), (121, 7966), (128, 7996), (133, 8017), (135, 8026), (147, 8074), (148, 8080), (155, 8107), (187, 8242), (205, 8314), (212, 8335), (230, 8368), (235, 8386), (241, 8392),

Gene: Doomphist_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Doomphist_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Doomslug_13 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for Doomslug_13:
(Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 38 @7545 has 1 MA's), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (118, 7794), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Dorothy_11 Start: 7537, Stop: 8418, Start Num: 13
Candidate Starts for Dorothy_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: DosHalletts_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for DosHalletts_12:
(Start: 11 @7386 has 3 MA's), (Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617),

(94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: DotProduct_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for DotProduct_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (118, 7962), (119, 7965), (120, 7968), (121, 7971), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Doug_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Doug_11:
(Start: 11 @7536 has 3 MA's), (Start: 13 @7539 has 10 MA's), (Start: 18 @7554 has 2 MA's), (Start: 23 @7611 has 272 MA's), (24, 7623), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (147, 8058), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (212, 8319), (230, 8352), (235, 8370), (241, 8376),

Gene: DrParker_11 Start: 7185, Stop: 7826, Start Num: 66
Candidate Starts for DrParker_11:
(Start: 59 @7173 has 19 MA's), (64, 7182), (Start: 66 @7185 has 29 MA's), (96, 7278), (118, 7365), (127, 7401), (171, 7542), (176, 7557), (192, 7611), (201, 7650), (205, 7665), (207, 7671), (225, 7713), (232, 7731),

Gene: Drago_12 Start: 7390, Stop: 8271, Start Num: 13
Candidate Starts for Drago_12:
(Start: 13 @7390 has 10 MA's), (Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 38 @7543 has 1 MA's), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (118, 7792), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Dusty_41 Start: 17642, Stop: 18307, Start Num: 42
Candidate Starts for Dusty_41:
(Start: 42 @17642 has 149 MA's), (85, 17732), (179, 18089),

Gene: Dylan_46 Start: 23571, Stop: 24386, Start Num: 23
Candidate Starts for Dylan_46:
(Start: 23 @23571 has 272 MA's), (Start: 38 @23652 has 1 MA's), (94, 23793), (97, 23808), (119, 23907), (123, 23925), (139, 23988), (142, 24000), (146, 24015), (177, 24132), (204, 24258),

Gene: Eish_11 Start: 7600, Stop: 8409, Start Num: 23
Candidate Starts for Eish_11:
(Start: 18 @7543 has 2 MA's), (Start: 23 @7600 has 272 MA's), (24, 7612), (62, 7726), (74, 7750), (76, 7756), (94, 7819), (118, 7930), (119, 7933), (120, 7936), (121, 7939), (128, 7969), (133, 7990), (135, 7999), (147, 8047), (148, 8053), (187, 8215), (205, 8287), (212, 8308), (235, 8359), (241, 8365),

Gene: EleanorGeorge_11 Start: 7633, Stop: 8442, Start Num: 23
Candidate Starts for EleanorGeorge_11:
(Start: 23 @7633 has 272 MA's), (24, 7645), (Start: 38 @7714 has 1 MA's), (Start: 42 @7723 has 149 MA's), (62, 7759), (74, 7783), (76, 7789), (94, 7852), (119, 7966), (120, 7969), (128, 8002), (133, 8023), (135, 8032), (148, 8086), (187, 8248), (205, 8320), (212, 8341), (235, 8392), (241, 8398),

Gene: Elesar_15 Start: 9307, Stop: 9969, Start Num: 42
Candidate Starts for Elesar_15:

(Start: 42 @9307 has 149 MA's), (77, 9376), (82, 9394), (84, 9400), (128, 9568), (130, 9577), (133, 9589), (142, 9625), (190, 9796), (209, 9868), (216, 9886),

Gene: EmiMonkey_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for EmiMonkey_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (118, 7956), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (187, 8241), (205, 8313), (212, 8334), (235, 8385), (241, 8391),

Gene: Emianna_35 Start: 22419, Stop: 23102, Start Num: 42
Candidate Starts for Emianna_35:
(Start: 42 @22419 has 149 MA's), (53, 22437), (91, 22530), (112, 22617), (113, 22620), (144, 22752), (174, 22851), (188, 22908), (205, 22977), (216, 23007), (226, 23028), (245, 23067),

Gene: Emma_11 Start: 7630, Stop: 8439, Start Num: 23
Candidate Starts for Emma_11:
(17, 7570), (Start: 23 @7630 has 272 MA's), (24, 7642), (Start: 38 @7711 has 1 MA's), (Start: 42 @7720 has 149 MA's), (62, 7756), (74, 7780), (76, 7786), (94, 7849), (118, 7960), (119, 7963), (120, 7966), (121, 7969), (128, 7999), (133, 8020), (135, 8029), (148, 8083), (187, 8245), (205, 8317), (212, 8338), (235, 8389), (241, 8395),

Gene: Emmaloid_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Emmaloid_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Empress_11 Start: 7533, Stop: 8417, Start Num: 11
Candidate Starts for Empress_11:
(Start: 11 @7533 has 3 MA's), (Start: 13 @7536 has 10 MA's), (Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (Start: 42 @7698 has 149 MA's), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (118, 7938), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (148, 8061), (205, 8295), (212, 8316), (235, 8367), (241, 8373),

Gene: Enby_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Enby_12:
(Start: 13 @7390 has 10 MA's), (Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 38 @7543 has 1 MA's), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (118, 7792), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Engineer_43 Start: 17859, Stop: 18524, Start Num: 42
Candidate Starts for Engineer_43:
(Start: 42 @17859 has 149 MA's), (85, 17949), (179, 18306), (221, 18459),

Gene: Ennea_41 Start: 23023, Stop: 23706, Start Num: 42
Candidate Starts for Ennea_41:
(Start: 42 @23023 has 149 MA's), (113, 23224), (144, 23356), (150, 23383), (174, 23455), (188, 23512), (205, 23581), (226, 23632), (245, 23671),

Gene: Enochoraptor_11 Start: 7174, Stop: 7800, Start Num: 66
Candidate Starts for Enochoraptor_11:

(Start: 59 @7162 has 19 MA's), (64, 7171), (Start: 66 @7174 has 29 MA's), (96, 7267), (118, 7354), (171, 7531), (176, 7546), (201, 7639), (205, 7654), (207, 7660), (225, 7702), (232, 7720),

Gene: Enoki_11 Start: 7161, Stop: 7781, Start Num: 66
Candidate Starts for Enoki_11:
(Start: 59 @7149 has 19 MA's), (64, 7158), (Start: 66 @7161 has 29 MA's), (96, 7254), (118, 7341), (127, 7377), (136, 7413), (171, 7518), (174, 7527), (175, 7530), (176, 7533), (201, 7626), (205, 7641), (207, 7647), (225, 7689), (232, 7707),

Gene: Enzomatic_12 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for Enzomatic_12:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: Eradicator_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Eradicator_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (155, 8090), (187, 8225), (212, 8318), (235, 8369), (241, 8375),

Gene: Estave1_11 Start: 7612, Stop: 8421, Start Num: 23
Candidate Starts for Estave1_11:
(Start: 18 @7555 has 2 MA's), (Start: 23 @7612 has 272 MA's), (24, 7624), (Start: 42 @7702 has 149 MA's), (62, 7738), (74, 7762), (76, 7768), (94, 7831), (119, 7945), (120, 7948), (121, 7951), (128, 7981), (133, 8002), (135, 8011), (147, 8059), (148, 8065), (155, 8092), (187, 8227), (205, 8299), (212, 8320), (235, 8371), (241, 8377),

Gene: EvenBluerMoon_13 Start: 9146, Stop: 9808, Start Num: 40
Candidate Starts for EvenBluerMoon_13:
(Start: 40 @9146 has 23 MA's), (76, 9212), (99, 9284), (108, 9317), (136, 9443), (143, 9467), (245, 9779),

Gene: Ezurina_13 Start: 7722, Stop: 8300, Start Num: 57
Candidate Starts for Ezurina_13:
(Start: 57 @7722 has 46 MA's), (172, 8103), (188, 8157), (237, 8289),

Gene: Fairfaxidum_14 Start: 8713, Stop: 9366, Start Num: 54
Candidate Starts for Fairfaxidum_14:
(Start: 38 @8683 has 1 MA's), (Start: 51 @8710 has 2 MA's), (Start: 54 @8713 has 42 MA's), (92, 8803), (96, 8818), (131, 8968), (150, 9046), (157, 9070), (169, 9100), (175, 9118), (201, 9214), (236, 9298),

Gene: Familton_48 Start: 23862, Stop: 24677, Start Num: 23
Candidate Starts for Familton_48:
(Start: 23 @23862 has 272 MA's), (Start: 38 @23943 has 1 MA's), (94, 24084), (97, 24099), (119, 24198), (123, 24216), (139, 24279), (142, 24291), (146, 24306), (177, 24423), (204, 24549),

Gene: Fancypants_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Fancypants_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (187, 8226), (205, 8298),

(212, 8319), (230, 8352), (235, 8370), (241, 8376),

Gene: Farewell_11 Start: 8044, Stop: 8706, Start Num: 47
Candidate Starts for Farewell_11:
(Start: 47 @8044 has 2 MA's), (63, 8065), (105, 8194), (115, 8242), (125, 8284), (132, 8311), (135, 8326), (160, 8410), (175, 8458), (192, 8527), (245, 8677),

Gene: Fastidio_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Fastidio_11:
(Start: 13 @7539 has 10 MA's), (Start: 18 @7554 has 2 MA's), (Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (147, 8058), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (212, 8319), (235, 8370), (241, 8376),

Gene: FeliMaine_47 Start: 19044, Stop: 19709, Start Num: 42
Candidate Starts for FeliMaine_47:
(Start: 42 @19044 has 149 MA's), (78, 19110), (107, 19203), (112, 19230), (131, 19314), (149, 19386), (190, 19533), (192, 19539), (200, 19566), (201, 19578),

Gene: Fenry_13 Start: 8428, Stop: 9066, Start Num: 54
Candidate Starts for Fenry_13:
(Start: 51 @8425 has 2 MA's), (Start: 54 @8428 has 42 MA's), (92, 8518), (96, 8533), (132, 8686), (150, 8761), (157, 8785), (175, 8833), (192, 8890), (201, 8929), (236, 9013), (249, 9049),

Gene: Filuzino_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for Filuzino_11:
(Start: 14 @7560 has 1 MA's), (Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (116, 7950), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (187, 8247), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Firecracker_47 Start: 23469, Stop: 24284, Start Num: 23
Candidate Starts for Firecracker_47:
(Start: 23 @23469 has 272 MA's), (Start: 38 @23550 has 1 MA's), (94, 23691), (97, 23706), (119, 23805), (123, 23823), (139, 23886), (142, 23898), (146, 23913), (177, 24030), (204, 24156),

Gene: Firehouse51_11 Start: 7629, Stop: 8438, Start Num: 23
Candidate Starts for Firehouse51_11:
(5, 7431), (6, 7452), (7, 7455), (22, 7590), (Start: 23 @7629 has 272 MA's), (24, 7641), (Start: 38 @7710 has 1 MA's), (Start: 42 @7719 has 149 MA's), (62, 7755), (74, 7779), (76, 7785), (94, 7848), (118, 7959), (119, 7962), (120, 7965), (128, 7998), (133, 8019), (135, 8028), (148, 8082), (187, 8244), (205, 8316), (212, 8337), (235, 8388), (241, 8394),

Gene: Flapper_39 Start: 22775, Stop: 23458, Start Num: 42
Candidate Starts for Flapper_39:
(Start: 42 @22775 has 149 MA's), (113, 22976), (122, 23024), (144, 23108), (174, 23207), (182, 23246), (188, 23264), (205, 23333), (226, 23384), (245, 23423),

Gene: Flathead_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Flathead_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 38 @7544 has 1 MA's), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (205, 8150),

(212, 8171), (235, 8222), (241, 8228),

Gene: Float294_37 Start: 22462, Stop: 23145, Start Num: 42
Candidate Starts for Float294_37:
(Start: 42 @22462 has 149 MA's), (113, 22663), (144, 22795), (150, 22822), (174, 22894), (188, 22951), (205, 23020), (226, 23071), (245, 23110),

Gene: Florinda_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Florinda_11:
(Start: 18 @7574 has 2 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (230, 8372), (235, 8390), (241, 8396),

Gene: FoulBall_47 Start: 23856, Stop: 24671, Start Num: 23
Candidate Starts for FoulBall_47:
(Start: 23 @23856 has 272 MA's), (Start: 38 @23937 has 1 MA's), (94, 24078), (97, 24093), (119, 24192), (123, 24210), (139, 24273), (142, 24285), (146, 24300), (177, 24417), (204, 24543),

Gene: Foxboro_36 Start: 22925, Stop: 23608, Start Num: 42
Candidate Starts for Foxboro_36:
(Start: 42 @22925 has 149 MA's), (53, 22943), (91, 23036), (112, 23123), (113, 23126), (144, 23258), (174, 23357), (188, 23414), (205, 23483), (216, 23513), (226, 23534), (245, 23573),

Gene: Frankie_12 Start: 7653, Stop: 8462, Start Num: 23
Candidate Starts for Frankie_12:
(Start: 18 @7596 has 2 MA's), (Start: 23 @7653 has 272 MA's), (24, 7665), (Start: 42 @7743 has 149 MA's), (62, 7779), (74, 7803), (76, 7809), (94, 7872), (119, 7986), (120, 7989), (121, 7992), (128, 8022), (133, 8043), (135, 8052), (147, 8100), (148, 8106), (155, 8133), (187, 8268), (205, 8340), (212, 8361), (235, 8412), (241, 8418),

Gene: FreddyB_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for FreddyB_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (155, 8090), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Frickyeah_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for Frickyeah_13:
(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: Frokostdame_14 Start: 8673, Stop: 9311, Start Num: 54
Candidate Starts for Frokostdame_14:
(1, 8058), (4, 8316), (Start: 51 @8670 has 2 MA's), (Start: 54 @8673 has 42 MA's), (96, 8778), (132, 8931), (150, 9006), (157, 9030), (175, 9078), (201, 9174), (236, 9258), (249, 9294),

Gene: Fruitloop_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for Fruitloop_11:
(Start: 14 @7560 has 1 MA's), (Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (118, 7962), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (187, 8247), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Fryberger_45 Start: 16970, Stop: 17527, Start Num: 57
Candidate Starts for Fryberger_45:
(Start: 57 @16970 has 46 MA's), (73, 16988), (93, 17051), (149, 17276), (153, 17294), (164, 17303), (175, 17342), (179, 17354), (201, 17441),

Gene: Fury_44 Start: 22072, Stop: 22755, Start Num: 42
Candidate Starts for Fury_44:
(Start: 42 @22072 has 149 MA's), (113, 22273), (131, 22354), (143, 22399), (144, 22405), (147, 22417), (174, 22504), (188, 22561), (205, 22630), (226, 22681), (240, 22711), (245, 22720),

Gene: GMA4_13 Start: 8955, Stop: 9626, Start Num: 42
Candidate Starts for GMA4_13:
(31, 8925), (Start: 36 @8940 has 2 MA's), (Start: 42 @8955 has 149 MA's), (70, 9000), (89, 9060), (160, 9342), (205, 9513), (207, 9519),

Gene: GRU1_25 Start: 14660, Stop: 15343, Start Num: 42
Candidate Starts for GRU1_25:
(Start: 42 @14660 has 149 MA's), (113, 14861), (144, 14993), (174, 15092), (182, 15131), (188, 15149), (205, 15218), (226, 15269), (245, 15308),

Gene: GTE5_26 Start: 15663, Stop: 16346, Start Num: 42
Candidate Starts for GTE5_26:
(Start: 42 @15663 has 149 MA's), (113, 15864), (144, 15996), (174, 16095), (182, 16134), (188, 16152), (205, 16221), (226, 16272), (245, 16311),

Gene: GTE8_24 Start: 15678, Stop: 16361, Start Num: 42
Candidate Starts for GTE8_24:
(Start: 42 @15678 has 149 MA's), (53, 15696), (144, 16011), (150, 16038), (174, 16110), (188, 16167), (205, 16236), (216, 16266), (221, 16278), (226, 16287), (245, 16326),

Gene: GUmbie_11 Start: 7625, Stop: 8434, Start Num: 23
Candidate Starts for GUmbie_11:
(8, 7517), (17, 7568), (Start: 23 @7625 has 272 MA's), (24, 7637), (Start: 38 @7706 has 1 MA's), (62, 7751), (74, 7775), (76, 7781), (94, 7844), (119, 7958), (120, 7961), (121, 7964), (128, 7994), (133, 8015), (135, 8024), (148, 8078), (187, 8240), (205, 8312), (212, 8333), (235, 8384), (241, 8390),

Gene: Gagieri_39 Start: 23053, Stop: 23721, Start Num: 42
Candidate Starts for Gagieri_39:
(Start: 42 @23053 has 149 MA's), (82, 23134), (85, 23143), (118, 23275), (144, 23377), (147, 23389), (174, 23476), (188, 23533), (205, 23602), (207, 23608), (211, 23620), (245, 23692),

Gene: Gaia_10 Start: 8073, Stop: 8660, Start Num: 57
Candidate Starts for Gaia_10:
(Start: 57 @8073 has 46 MA's), (93, 8154), (105, 8193), (114, 8235), (127, 8289), (136, 8325), (164, 8424), (173, 8454), (196, 8544), (207, 8586), (220, 8619),

Gene: Galactic_11 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for Galactic_11:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: Gallia_31 Start: 19628, Stop: 20296, Start Num: 42
Candidate Starts for Gallia_31:
(Start: 42 @19628 has 149 MA's), (90, 19736), (112, 19814), (126, 19880), (135, 19916), (162, 20003), (188, 20102), (205, 20171), (245, 20261),

Gene: Gambino_16 Start: 9023, Stop: 9661, Start Num: 54
Candidate Starts for Gambino_16:
(Start: 51 @9020 has 2 MA's), (Start: 54 @9023 has 42 MA's), (92, 9113), (96, 9128), (111, 9194), (119, 9230), (132, 9281), (150, 9356), (157, 9380), (175, 9428), (192, 9485), (201, 9524), (236, 9608), (249, 9644),

Gene: Gandalph_11 Start: 7627, Stop: 8436, Start Num: 23
Candidate Starts for Gandalph_11:
(Start: 23 @7627 has 272 MA's), (24, 7639), (Start: 42 @7717 has 149 MA's), (74, 7777), (76, 7783), (94, 7846), (118, 7957), (119, 7960), (120, 7963), (121, 7966), (128, 7996), (133, 8017), (135, 8026), (148, 8080), (187, 8242), (205, 8314), (212, 8335), (235, 8386), (241, 8392),

Gene: Gattaca_44 Start: 18223, Stop: 18888, Start Num: 42
Candidate Starts for Gattaca_44:
(Start: 42 @18223 has 149 MA's), (78, 18289), (107, 18382), (112, 18409), (131, 18493), (149, 18565), (190, 18712), (192, 18718), (200, 18745), (201, 18757),

Gene: Geeche_41 Start: 17733, Stop: 18398, Start Num: 42
Candidate Starts for Geeche_41:
(Start: 42 @17733 has 149 MA's), (85, 17823), (179, 18180), (221, 18333),

Gene: Geralt_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Geralt_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Gerri43_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for Gerri43_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Getalong_13 Start: 7496, Stop: 8068, Start Num: 57
Candidate Starts for Getalong_13:
(Start: 57 @7496 has 46 MA's), (73, 7517), (81, 7538), (84, 7550), (126, 7709), (138, 7751), (145, 7784), (203, 7973), (242, 8057),

Gene: Gibbzilla_13 Start: 8211, Stop: 8789, Start Num: 57
Candidate Starts for Gibbzilla_13:
(Start: 57 @8211 has 46 MA's), (75, 8235), (111, 8361), (175, 8601), (193, 8661),

Gene: GigiOuiOui_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for GigiOuiOui_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (187, 8241), (212, 8334), (235, 8385), (241, 8391),

Gene: Girafales_12 Start: 7458, Stop: 8267, Start Num: 23
Candidate Starts for Girafales_12:
(Start: 23 @7458 has 272 MA's), (24, 7470), (Start: 42 @7548 has 149 MA's), (62, 7584), (74, 7608), (76, 7614), (94, 7677), (119, 7791), (120, 7794), (121, 7797), (128, 7827), (133, 7848), (135, 7857), (148, 7911), (154, 7935), (187, 8073), (205, 8145), (212, 8166), (235, 8217), (241, 8223),

Gene: Girr_11 Start: 7614, Stop: 8423, Start Num: 23
Candidate Starts for Girr_11:
(Start: 18 @7557 has 2 MA's), (Start: 23 @7614 has 272 MA's), (24, 7626), (Start: 42 @7704 has 149 MA's), (62, 7740), (74, 7764), (76, 7770), (94, 7833), (119, 7947), (120, 7950), (121, 7953), (128, 7983), (133, 8004), (135, 8013), (148, 8067), (154, 8091), (155, 8094), (187, 8229), (205, 8301), (212, 8322), (230, 8355), (235, 8373), (241, 8379),

Gene: Goib_18 Start: 10694, Stop: 11284, Start Num: 69
Candidate Starts for Goib_18:
(Start: 69 @10694 has 17 MA's), (81, 10727), (90, 10760), (96, 10778), (117, 10856), (178, 11090), (179, 11093), (187, 11120), (205, 11192),

Gene: GoodLuckBabe_16 Start: 9206, Stop: 9874, Start Num: 42
Candidate Starts for GoodLuckBabe_16:
(Start: 42 @9206 has 149 MA's), (118, 9428), (134, 9494), (150, 9560), (168, 9614), (221, 9800),

Gene: GoongGoong_44 Start: 18263, Stop: 18928, Start Num: 42
Candidate Starts for GoongGoong_44:
(Start: 42 @18263 has 149 MA's), (78, 18329), (107, 18422), (112, 18449), (131, 18533), (149, 18605), (190, 18752), (192, 18758), (200, 18785), (201, 18797),

Gene: Gorge_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Gorge_11:
(Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (148, 8051), (187, 8213), (212, 8306), (235, 8357), (241, 8363),

Gene: Grimmer_12 Start: 8262, Stop: 9071, Start Num: 23
Candidate Starts for Grimmer_12:
(17, 8205), (Start: 23 @8262 has 272 MA's), (24, 8274), (62, 8388), (74, 8412), (76, 8418), (94, 8481), (119, 8595), (120, 8598), (121, 8601), (128, 8631), (133, 8652), (135, 8661), (147, 8709), (148, 8715), (154, 8739), (187, 8877), (205, 8949), (212, 8970), (235, 9021), (241, 9027),

Gene: GrootJr_37 Start: 21777, Stop: 22460, Start Num: 42
Candidate Starts for GrootJr_37:
(Start: 42 @21777 has 149 MA's), (53, 21795), (91, 21888), (112, 21975), (113, 21978), (144, 22110), (174, 22209), (188, 22266), (205, 22335), (216, 22365), (226, 22386), (245, 22425),

Gene: Gsput1_15 Start: 9141, Stop: 9716, Start Num: 68
Candidate Starts for Gsput1_15:
(46, 9105), (68, 9141), (81, 9174), (84, 9186), (87, 9192), (90, 9207), (96, 9225), (135, 9381), (136, 9384), (159, 9468), (171, 9504), (178, 9525), (180, 9537),

Gene: Guacamole_14 Start: 8683, Stop: 9321, Start Num: 54
Candidate Starts for Guacamole_14:
(Start: 51 @8680 has 2 MA's), (Start: 54 @8683 has 42 MA's), (92, 8773), (96, 8788), (132, 8941), (150, 9016), (157, 9040), (175, 9088), (192, 9145), (201, 9184), (236, 9268), (249, 9304),

Gene: Guey18_50 Start: 18163, Stop: 18720, Start Num: 57
Candidate Starts for Guey18_50:
(Start: 57 @18163 has 46 MA's), (73, 18181), (93, 18244), (149, 18469), (153, 18487), (164, 18496), (175, 18535), (179, 18547), (201, 18634),

Gene: Guinevere_16 Start: 9237, Stop: 9905, Start Num: 42
Candidate Starts for Guinevere_16:
(Start: 42 @9237 has 149 MA's), (77, 9306), (118, 9459), (134, 9525), (168, 9645), (202, 9777), (221, 9831),

Gene: Guppsters_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Guppsters_11:
(Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Gusanita_14 Start: 9128, Stop: 9796, Start Num: 42
Candidate Starts for Gusanita_14:
(Start: 42 @9128 has 149 MA's), (98, 9263), (118, 9350), (134, 9416), (168, 9536), (214, 9707), (221, 9722),

Gene: HC_13 Start: 8865, Stop: 9665, Start Num: 23
Candidate Starts for HC_13:
(21, 8820), (Start: 23 @8865 has 272 MA's), (Start: 42 @8961 has 149 MA's), (76, 9024), (97, 9102), (119, 9201), (128, 9237), (195, 9513), (212, 9573), (217, 9579),

Gene: Hades_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Hades_11:
(Start: 18 @7554 has 2 MA's), (Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (212, 8319), (230, 8352), (235, 8370), (241, 8376),

Gene: Halloweekend_14 Start: 8878, Stop: 9546, Start Num: 42
Candidate Starts for Halloweekend_14:
(Start: 42 @8878 has 149 MA's), (118, 9100), (134, 9166), (168, 9286), (202, 9418), (221, 9472),

Gene: Hamulus_11 Start: 7635, Stop: 8444, Start Num: 23
Candidate Starts for Hamulus_11:
(Start: 23 @7635 has 272 MA's), (24, 7647), (Start: 38 @7716 has 1 MA's), (Start: 42 @7725 has 149 MA's), (62, 7761), (74, 7785), (76, 7791), (94, 7854), (118, 7965), (119, 7968), (120, 7971), (121, 7974), (128, 8004), (133, 8025), (135, 8034), (148, 8088), (187, 8250), (205, 8322), (212, 8343), (235, 8394), (241, 8400),

Gene: Harley_11 Start: 7600, Stop: 8409, Start Num: 23
Candidate Starts for Harley_11:
(Start: 18 @7543 has 2 MA's), (Start: 23 @7600 has 272 MA's), (24, 7612), (62, 7726), (74, 7750), (76, 7756), (94, 7819), (119, 7933), (120, 7936), (121, 7939), (128, 7969), (133, 7990), (135, 7999), (148, 8053), (187, 8215), (205, 8287), (212, 8308), (230, 8341), (235, 8359), (241, 8365),

Gene: Hegedechwinu_12 Start: 7463, Stop: 8272, Start Num: 23

Candidate Starts for Hegedechwinu_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 38 @7544 has 1 MA's), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (230, 8204), (235, 8222), (241, 8228),

Gene: Hereford_14 Start: 9291, Stop: 9953, Start Num: 40
Candidate Starts for Hereford_14:
(Start: 40 @9291 has 23 MA's), (76, 9357), (108, 9462), (136, 9588), (143, 9612), (245, 9924),

Gene: Hitter_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for Hitter_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (111, 8850), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: Hlubikazi_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Hlubikazi_11:
(Start: 18 @7542 has 2 MA's), (Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 42 @7689 has 149 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (118, 7929), (119, 7932), (120, 7935), (121, 7938), (128, 7968), (133, 7989), (135, 7998), (147, 8046), (148, 8052), (154, 8076), (155, 8079), (187, 8214), (205, 8286), (212, 8307), (230, 8340), (235, 8358), (241, 8364),

Gene: Holliday_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for Holliday_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: HomeFry_41 Start: 20719, Stop: 21402, Start Num: 42
Candidate Starts for HomeFry_41:
(15, 20545), (25, 20638), (Start: 42 @20719 has 149 MA's), (113, 20920), (131, 21001), (143, 21046), (144, 21052), (147, 21064), (174, 21151), (188, 21208), (205, 21277), (211, 21295), (221, 21319), (226, 21328), (240, 21358), (245, 21367),

Gene: Horus_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for Horus_13:
(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: HubbaBubba_33 Start: 18243, Stop: 18923, Start Num: 42
Candidate Starts for HubbaBubba_33:
(Start: 42 @18243 has 149 MA's), (112, 18438), (131, 18522), (144, 18573), (150, 18600), (174, 18672), (188, 18729), (205, 18798), (226, 18849), (245, 18888),

Gene: Huffy_19 Start: 10919, Stop: 11509, Start Num: 69
Candidate Starts for Huffy_19:
(Start: 69 @10919 has 17 MA's), (81, 10952), (90, 10985), (96, 11003), (147, 11204), (178, 11315), (179, 11318), (187, 11345), (205, 11417),

Gene: Huphlepuff_47 Start: 18848, Stop: 19513, Start Num: 42
Candidate Starts for Huphlepuff_47:
(Start: 42 @18848 has 149 MA's), (78, 18914), (107, 19007), (112, 19034), (131, 19118), (149, 19190), (190, 19337), (192, 19343), (200, 19370), (201, 19382),

Gene: IDyn_36 Start: 19639, Stop: 20319, Start Num: 42
Candidate Starts for IDyn_36:
(Start: 42 @19639 has 149 MA's), (112, 19834), (131, 19918), (144, 19969), (174, 20068), (188, 20125), (205, 20194), (226, 20245), (245, 20284),

Gene: IMpilo_11 Start: 7620, Stop: 8429, Start Num: 23
Candidate Starts for IMpilo_11:
(5, 7419), (6, 7440), (7, 7443), (22, 7578), (Start: 23 @7620 has 272 MA's), (24, 7632), (Start: 38 @7701 has 1 MA's), (Start: 42 @7710 has 149 MA's), (62, 7746), (74, 7770), (76, 7776), (94, 7839), (119, 7953), (120, 7956), (128, 7989), (133, 8010), (135, 8019), (148, 8073), (205, 8307), (212, 8328), (235, 8379), (241, 8385),

Gene: IbOuu_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for IbOuu_11:
(Start: 13 @7536 has 10 MA's), (Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (147, 8055), (148, 8061), (155, 8088), (187, 8223), (205, 8295), (206, 8298), (212, 8316), (235, 8367), (241, 8373),

Gene: Ibantik_76 Start: 35791, Stop: 36390, Start Num: 69
Candidate Starts for Ibantik_76:
(Start: 69 @35791 has 17 MA's), (83, 35836), (109, 35935), (128, 36022), (179, 36205), (191, 36256), (210, 36328), (231, 36373),

Gene: Ibhubesi_11 Start: 7600, Stop: 8409, Start Num: 23
Candidate Starts for Ibhubesi_11:
(Start: 18 @7543 has 2 MA's), (Start: 23 @7600 has 272 MA's), (24, 7612), (62, 7726), (74, 7750), (76, 7756), (94, 7819), (119, 7933), (120, 7936), (121, 7939), (128, 7969), (133, 7990), (135, 7999), (148, 8053), (187, 8215), (205, 8287), (212, 8308), (230, 8341), (235, 8359), (241, 8365),

Gene: Ibrahim_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for Ibrahim_14:
(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: Ichiang_14 Start: 8893, Stop: 9561, Start Num: 42
Candidate Starts for Ichiang_14:
(Start: 42 @8893 has 149 MA's), (77, 8962), (118, 9115), (134, 9181), (168, 9301), (221, 9487),

Gene: Idergollasper_47 Start: 23856, Stop: 24671, Start Num: 23
Candidate Starts for Idergollasper_47:
(Start: 23 @23856 has 272 MA's), (Start: 38 @23937 has 1 MA's), (94, 24078), (97, 24093), (119, 24192), (123, 24210), (139, 24273), (142, 24285), (146, 24300), (177, 24417), (204, 24543),

Gene: Imara_47 Start: 23665, Stop: 24480, Start Num: 23
Candidate Starts for Imara_47:
(Start: 23 @23665 has 272 MA's), (Start: 38 @23746 has 1 MA's), (94, 23887), (97, 23902), (119, 24001), (123, 24019), (139, 24082), (142, 24094), (146, 24109), (177, 24226), (204, 24352),

Gene: Inventum_11 Start: 7537, Stop: 8418, Start Num: 13
Candidate Starts for Inventum_11:

(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: IrishSherpFalk_11 Start: 7617, Stop: 8426, Start Num: 23
Candidate Starts for IrishSherpFalk_11:
(Start: 23 @7617 has 272 MA's), (24, 7629), (Start: 38 @7698 has 1 MA's), (Start: 42 @7707 has 149 MA's), (62, 7743), (74, 7767), (76, 7773), (94, 7836), (118, 7947), (119, 7950), (120, 7953), (121, 7956), (128, 7986), (133, 8007), (135, 8016), (148, 8070), (205, 8304), (212, 8325), (235, 8376), (241, 8382),

Gene: IsHungry_16 Start: 9202, Stop: 9870, Start Num: 42
Candidate Starts for IsHungry_16:
(Start: 42 @9202 has 149 MA's), (98, 9337), (118, 9424), (134, 9490), (168, 9610), (214, 9781), (221, 9796),

Gene: Island3_13 Start: 8865, Stop: 9665, Start Num: 23
Candidate Starts for Island3_13:
(21, 8820), (Start: 23 @8865 has 272 MA's), (Start: 42 @8961 has 149 MA's), (76, 9024), (97, 9102), (119, 9201), (128, 9237), (195, 9513), (212, 9573), (217, 9579),

Gene: Jabbawokkie_15 Start: 8202, Stop: 8795, Start Num: 59
Candidate Starts for Jabbawokkie_15:
(Start: 59 @8202 has 19 MA's), (73, 8220), (109, 8337), (117, 8376), (133, 8442), (142, 8475), (145, 8487), (150, 8511), (175, 8583), (178, 8592), (180, 8604), (185, 8616), (192, 8640), (196, 8658),

Gene: JalFarm20_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for JalFarm20_12:
(Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (147, 7909), (148, 7915), (155, 7942), (174, 8011), (187, 8077), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Jalammah_15 Start: 8950, Stop: 9588, Start Num: 54
Candidate Starts for Jalammah_15:
(Start: 51 @8947 has 2 MA's), (Start: 54 @8950 has 42 MA's), (92, 9040), (96, 9055), (111, 9121), (132, 9208), (150, 9283), (157, 9307), (175, 9355), (192, 9412), (201, 9451), (236, 9535), (249, 9571),

Gene: James_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for James_11:
(Start: 18 @7544 has 2 MA's), (Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128, 7970), (133, 7991), (135, 8000), (147, 8048), (148, 8054), (154, 8078), (187, 8216), (205, 8288), (212, 8309), (230, 8342), (235, 8360), (241, 8366),

Gene: JanetJ_13 Start: 8928, Stop: 9581, Start Num: 40
Candidate Starts for JanetJ_13:
(Start: 40 @8928 has 23 MA's), (Start: 42 @8931 has 149 MA's), (105, 9081), (108, 9093), (136, 9219), (143, 9243), (144, 9249), (192, 9417), (245, 9555),

Gene: JangDynasty_47 Start: 23951, Stop: 24766, Start Num: 23
Candidate Starts for JangDynasty_47:

(Start: 23 @23951 has 272 MA's), (Start: 38 @24032 has 1 MA's), (94, 24173), (97, 24188), (119, 24287), (123, 24305), (139, 24368), (142, 24380), (146, 24395), (177, 24512), (204, 24638),

Gene: Jant_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Jant_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Jarcob_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Jarcob_11:
(Start: 13 @7537 has 10 MA's), (17, 7552), (Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (154, 8086), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: JasperJr_14 Start: 8683, Stop: 9321, Start Num: 54
Candidate Starts for JasperJr_14:
(Start: 51 @8680 has 2 MA's), (Start: 54 @8683 has 42 MA's), (92, 8773), (96, 8788), (132, 8941), (150, 9016), (157, 9040), (175, 9088), (192, 9145), (201, 9184), (236, 9268), (249, 9304),

Gene: JeanClaude_12 Start: 7914, Stop: 8567, Start Num: 40
Candidate Starts for JeanClaude_12:
(Start: 40 @7914 has 23 MA's), (76, 7974), (108, 8079), (129, 8175), (131, 8184), (136, 8205), (143, 8229), (150, 8262), (245, 8541),

Gene: Jennelsea_11 Start: 7597, Stop: 8406, Start Num: 23
Candidate Starts for Jennelsea_11:
(Start: 23 @7597 has 272 MA's), (24, 7609), (Start: 42 @7687 has 149 MA's), (62, 7723), (74, 7747), (76, 7753), (94, 7816), (119, 7930), (120, 7933), (121, 7936), (128, 7966), (133, 7987), (135, 7996), (148, 8050), (155, 8077), (187, 8212), (212, 8305), (235, 8356), (241, 8362),

Gene: Jifall16_34 Start: 22046, Stop: 22729, Start Num: 42
Candidate Starts for Jifall16_34:
(Start: 42 @22046 has 149 MA's), (53, 22064), (91, 22157), (112, 22244), (113, 22247), (144, 22379), (174, 22478), (188, 22535), (205, 22604), (216, 22634), (226, 22655), (245, 22694),

Gene: Jinglebell_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for Jinglebell_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Job42_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Job42_12:
(Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (147, 7909), (148, 7915), (155, 7942), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: JoeyJr_11 Start: 7609, Stop: 8418, Start Num: 23

Candidate Starts for JoeyJr_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: JoieB_46 Start: 19067, Stop: 19732, Start Num: 42
Candidate Starts for JoieB_46:
(Start: 42 @19067 has 149 MA's), (78, 19133), (107, 19226), (112, 19253), (131, 19337), (149, 19409), (190, 19556), (192, 19562), (200, 19589), (201, 19601),

Gene: JonJames_41 Start: 21700, Stop: 22365, Start Num: 42
Candidate Starts for JonJames_41:
(Start: 42 @21700 has 149 MA's), (87, 21793), (107, 21862), (150, 22051), (160, 22078), (211, 22267),

Gene: JuJu_14 Start: 8607, Stop: 9245, Start Num: 54
Candidate Starts for JuJu_14:
(Start: 51 @8604 has 2 MA's), (Start: 54 @8607 has 42 MA's), (92, 8697), (96, 8712), (132, 8865), (150, 8940), (157, 8964), (175, 9012), (192, 9069), (201, 9108), (236, 9192), (249, 9228),

Gene: Juice456_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Juice456_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Julie_16 Start: 9465, Stop: 10133, Start Num: 42
Candidate Starts for Julie_16:
(Start: 42 @9465 has 149 MA's), (98, 9600), (118, 9687), (134, 9753), (168, 9873), (214, 10044),

Gene: Juniper1_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for Juniper1_11:
(Start: 18 @7544 has 2 MA's), (Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128, 7970), (133, 7991), (135, 8000), (148, 8054), (154, 8078), (187, 8216), (205, 8288), (212, 8309), (235, 8360), (241, 8366),

Gene: Kabluna_38 Start: 21100, Stop: 21783, Start Num: 42
Candidate Starts for Kabluna_38:
(Start: 42 @21100 has 149 MA's), (113, 21301), (122, 21349), (144, 21433), (174, 21532), (188, 21589), (205, 21658), (245, 21748),

Gene: Kamaru_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for Kamaru_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: KappaFarmDelta_14 Start: 8832, Stop: 9470, Start Num: 54
Candidate Starts for KappaFarmDelta_14:
(Start: 51 @8829 has 2 MA's), (Start: 54 @8832 has 42 MA's), (92, 8922), (96, 8937), (111, 9003), (119, 9039), (150, 9165), (157, 9189), (175, 9237), (192, 9294), (201, 9333), (236, 9417), (249, 9453),

Gene: Karhdo_11 Start: 7612, Stop: 8421, Start Num: 23

Candidate Starts for Karhdo_11:
(9, 7504), (Start: 18 @7555 has 2 MA's), (Start: 23 @7612 has 272 MA's), (24, 7624), (62, 7738), (74, 7762), (76, 7768), (94, 7831), (119, 7945), (120, 7948), (121, 7951), (128, 7981), (133, 8002), (135, 8011), (148, 8065), (187, 8227), (205, 8299), (212, 8320), (235, 8371), (241, 8377),

Gene: Keelan_43 Start: 16946, Stop: 17503, Start Num: 57
Candidate Starts for Keelan_43:
(Start: 57 @16946 has 46 MA's), (73, 16964), (125, 17153), (164, 17279), (175, 17318), (192, 17378), (201, 17417),

Gene: Keiki_11 Start: 7170, Stop: 7796, Start Num: 66
Candidate Starts for Keiki_11:
(Start: 59 @7158 has 19 MA's), (64, 7167), (Start: 66 @7170 has 29 MA's), (96, 7263), (118, 7350), (127, 7386), (175, 7539), (176, 7542), (192, 7596), (201, 7635), (207, 7656), (225, 7698), (232, 7716),

Gene: Kenna_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for Kenna_13:
(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: Kenuha5_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Kenuha5_11:
(Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 38 @7680 has 1 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (119, 7932), (120, 7935), (128, 7968), (133, 7989), (135, 7998), (148, 8052), (155, 8079), (156, 8085), (187, 8214), (205, 8286), (212, 8307), (235, 8358), (241, 8364),

Gene: Kersh_11 Start: 7603, Stop: 8412, Start Num: 23
Candidate Starts for Kersh_11:
(Start: 23 @7603 has 272 MA's), (24, 7615), (Start: 42 @7693 has 149 MA's), (62, 7729), (74, 7753), (76, 7759), (94, 7822), (119, 7936), (120, 7939), (121, 7942), (128, 7972), (133, 7993), (135, 8002), (148, 8056), (155, 8083), (187, 8218), (205, 8290), (212, 8311), (230, 8344), (235, 8362), (241, 8368),

Gene: KidneyBean_35 Start: 22194, Stop: 22877, Start Num: 42
Candidate Starts for KidneyBean_35:
(Start: 42 @22194 has 149 MA's), (53, 22212), (91, 22305), (113, 22395), (144, 22527), (174, 22626), (188, 22683), (205, 22752), (216, 22782), (226, 22803), (245, 22842),

Gene: Kihatsu_17 Start: 9559, Stop: 10227, Start Num: 42
Candidate Starts for Kihatsu_17:
(Start: 42 @9559 has 149 MA's), (134, 9847), (168, 9967), (202, 10099), (221, 10153),

Gene: Kimberlium_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Kimberlium_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Kimchi1738_23 Start: 15559, Stop: 16221, Start Num: 42
Candidate Starts for Kimchi1738_23:
(Start: 42 @15559 has 149 MA's), (53, 15577), (82, 15640), (84, 15646), (144, 15880), (174, 15976), (188, 16033), (192, 16048), (245, 16192),

Gene: KingJulian_11 Start: 7632, Stop: 8441, Start Num: 23

Candidate Starts for KingJulian_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (74, 7782), (76, 7788), (94, 7851), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: KingMidas_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for KingMidas_11:
(Start: 11 @7533 has 3 MA's), (Start: 13 @7536 has 10 MA's), (Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (Start: 42 @7698 has 149 MA's), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (118, 7938), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (148, 8061), (155, 8088), (187, 8223), (205, 8295), (212, 8316), (235, 8367), (241, 8373),

Gene: KingPhillip3_47 Start: 23856, Stop: 24671, Start Num: 23
Candidate Starts for KingPhillip3_47:
(Start: 23 @23856 has 272 MA's), (Start: 38 @23937 has 1 MA's), (94, 24078), (97, 24093), (119, 24192), (123, 24210), (139, 24273), (142, 24285), (146, 24300), (177, 24417), (204, 24543),

Gene: Kingsley_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Kingsley_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: Koella_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Koella_11:
(Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (148, 8062), (155, 8089), (187, 8224), (212, 8317), (235, 8368), (241, 8374),

Gene: Krakatau_12 Start: 8284, Stop: 9093, Start Num: 23
Candidate Starts for Krakatau_12:
(Start: 23 @8284 has 272 MA's), (24, 8296), (Start: 38 @8365 has 1 MA's), (Start: 42 @8374 has 149 MA's), (74, 8434), (76, 8440), (94, 8503), (116, 8602), (119, 8617), (120, 8620), (128, 8653), (133, 8674), (135, 8683), (148, 8737), (205, 8971), (212, 8992), (235, 9043), (241, 9049),

Gene: Krili_46 Start: 23573, Stop: 24388, Start Num: 23
Candidate Starts for Krili_46:
(Start: 23 @23573 has 272 MA's), (Start: 38 @23654 has 1 MA's), (94, 23795), (97, 23810), (119, 23909), (123, 23927), (139, 23990), (142, 24002), (146, 24017), (177, 24134), (204, 24260),

Gene: KristaRAM_12 Start: 8281, Stop: 9090, Start Num: 23
Candidate Starts for KristaRAM_12:
(Start: 23 @8281 has 272 MA's), (24, 8293), (Start: 38 @8362 has 1 MA's), (Start: 42 @8371 has 149 MA's), (74, 8431), (76, 8437), (94, 8500), (119, 8614), (120, 8617), (121, 8620), (128, 8650), (133, 8671), (135, 8680), (148, 8734), (187, 8896), (205, 8968), (212, 8989), (235, 9040), (241, 9046),

Gene: Kromp_14 Start: 9809, Stop: 10375, Start Num: 65
Candidate Starts for Kromp_14:
(2, 9206), (3, 9401), (Start: 65 @9809 has 2 MA's), (96, 9893), (109, 9935), (111, 9950), (113, 9956), (132, 10037), (151, 10115), (155, 10130), (206, 10292),

Gene: Kubed_11 Start: 7161, Stop: 7790, Start Num: 66
Candidate Starts for Kubed_11:

(Start: 58 @7149 has 3 MA's), (64, 7158), (Start: 66 @7161 has 29 MA's), (107, 7284), (118, 7341), (175, 7530), (176, 7533), (201, 7626), (205, 7641), (207, 7647), (225, 7689), (232, 7707),

Gene: Kudefre_21 Start: 12302, Stop: 12976, Start Num: 36
Candidate Starts for Kudefre_21:
(Start: 36 @12302 has 2 MA's), (Start: 42 @12317 has 149 MA's), (53, 12338), (67, 12359), (72, 12368), (84, 12407), (90, 12428), (109, 12488), (122, 12557), (132, 12593), (169, 12722), (177, 12746), (191, 12806), (196, 12827), (198, 12833), (221, 12905), (238, 12941),

Gene: Kumotta_13 Start: 8849, Stop: 9499, Start Num: 40
Candidate Starts for Kumotta_13:
(Start: 40 @8849 has 23 MA's), (76, 8909), (80, 8921), (105, 8999), (129, 9107), (136, 9137), (143, 9161), (148, 9185), (150, 9194), (184, 9308), (245, 9473),

Gene: Kurt_35 Start: 22434, Stop: 23117, Start Num: 42
Candidate Starts for Kurt_35:
(Start: 42 @22434 has 149 MA's), (53, 22452), (91, 22545), (112, 22632), (113, 22635), (144, 22767), (174, 22866), (188, 22923), (205, 22992), (216, 23022), (226, 23043), (245, 23082),

Gene: LastJedi_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for LastJedi_11:
(Start: 18 @7544 has 2 MA's), (Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128, 7970), (133, 7991), (135, 8000), (147, 8048), (148, 8054), (154, 8078), (187, 8216), (205, 8288), (212, 8309), (230, 8342), (235, 8360), (241, 8366),

Gene: LastNadiia_17 Start: 10446, Stop: 11024, Start Num: 57
Candidate Starts for LastNadiia_17:
(Start: 57 @10446 has 46 MA's),

Gene: Latretium_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Latretium_11:
(Start: 18 @7541 has 2 MA's), (Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (147, 8045), (148, 8051), (154, 8075), (155, 8078), (187, 8213), (205, 8285), (212, 8306), (235, 8357), (241, 8363),

Gene: Lauchelly_11 Start: 7156, Stop: 7794, Start Num: 66
Candidate Starts for Lauchelly_11:
(Start: 58 @7144 has 3 MA's), (64, 7153), (Start: 66 @7156 has 29 MA's), (118, 7336), (127, 7372), (175, 7525), (176, 7528), (179, 7537), (205, 7636), (207, 7642), (225, 7684), (232, 7702),

Gene: Lenoxika_16 Start: 9239, Stop: 9907, Start Num: 42
Candidate Starts for Lenoxika_16:
(Start: 42 @9239 has 149 MA's), (77, 9308), (118, 9461), (134, 9527), (168, 9647), (202, 9779), (221, 9833),

Gene: Leozinho_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for Leozinho_12:
(Start: 11 @7386 has 3 MA's), (Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (148, 7914), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: Leperchaun_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Leperchaun_11:
(Start: 13 @7526 has 10 MA's), (Start: 18 @7541 has 2 MA's), (Start: 23 @7598 has 272 MA's), (24, 7610), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (147, 8045), (148, 8051), (155, 8078), (187, 8213), (205, 8285), (206, 8288), (212, 8306), (235, 8357), (241, 8363),

Gene: Leroy_13 Start: 7515, Stop: 8087, Start Num: 57
Candidate Starts for Leroy_13:
(Start: 57 @7515 has 46 MA's), (73, 7536), (81, 7557), (84, 7569), (126, 7728), (138, 7770), (145, 7803), (203, 7992), (242, 8076),

Gene: Leviosa_11 Start: 7181, Stop: 7813, Start Num: 66
Candidate Starts for Leviosa_11:
(Start: 59 @7169 has 19 MA's), (64, 7178), (Start: 66 @7181 has 29 MA's), (118, 7361), (175, 7550), (176, 7553), (179, 7562), (201, 7646), (205, 7661), (207, 7667), (225, 7709), (232, 7727),

Gene: LilBandit_11 Start: 7167, Stop: 7796, Start Num: 66
Candidate Starts for LilBandit_11:
(Start: 39 @7119 has 1 MA's), (Start: 42 @7125 has 149 MA's), (44, 7128), (50, 7143), (56, 7149), (Start: 59 @7155 has 19 MA's), (64, 7164), (Start: 66 @7167 has 29 MA's), (96, 7260), (118, 7347), (175, 7536), (176, 7539), (179, 7548), (201, 7632), (205, 7647), (207, 7653), (225, 7695), (232, 7713),

Gene: LilJank_21 Start: 12209, Stop: 12868, Start Num: 42
Candidate Starts for LilJank_21:
(Start: 42 @12209 has 149 MA's), (70, 12257), (72, 12260), (90, 12320), (102, 12350), (122, 12449), (127, 12467), (132, 12485), (143, 12527), (147, 12545), (148, 12551), (182, 12668), (190, 12695), (198, 12725), (203, 12746), (205, 12755), (221, 12797), (224, 12803),

Gene: LilMoolah_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for LilMoolah_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (147, 8057), (148, 8063), (187, 8225), (205, 8297), (212, 8318), (235, 8369), (241, 8375),

Gene: Lilbit_44 Start: 19044, Stop: 19709, Start Num: 42
Candidate Starts for Lilbit_44:
(Start: 42 @19044 has 149 MA's), (78, 19110), (107, 19203), (112, 19230), (131, 19314), (149, 19386), (190, 19533), (192, 19539), (200, 19566), (201, 19578),

Gene: LitninMcQueen_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for LitninMcQueen_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: LittleLaf_45 Start: 18773, Stop: 19438, Start Num: 42
Candidate Starts for LittleLaf_45:
(Start: 42 @18773 has 149 MA's), (78, 18839), (107, 18932), (112, 18959), (131, 19043), (149, 19115), (190, 19262), (192, 19268), (200, 19295), (201, 19307),

Gene: LittleShirley_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for LittleShirley_12:

(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Lizziana_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Lizziana_11:
(Start: 13 @7538 has 10 MA's), (17, 7553), (Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (147, 8057), (148, 8063), (154, 8087), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Llama_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for Llama_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Llij_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Llij_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (205, 8313), (212, 8334), (235, 8385), (241, 8391),

Gene: Lollipop1437_40 Start: 23011, Stop: 23694, Start Num: 42
Candidate Starts for Lollipop1437_40:
(Start: 42 @23011 has 149 MA's), (113, 23212), (144, 23344), (150, 23371), (174, 23443), (188, 23500), (205, 23569), (226, 23620), (245, 23659),

Gene: LordVader_12 Start: 7456, Stop: 8265, Start Num: 23
Candidate Starts for LordVader_12:
(Start: 18 @7399 has 2 MA's), (Start: 23 @7456 has 272 MA's), (24, 7468), (Start: 42 @7546 has 149 MA's), (62, 7582), (74, 7606), (76, 7612), (94, 7675), (119, 7789), (120, 7792), (121, 7795), (128, 7825), (133, 7846), (135, 7855), (148, 7909), (155, 7936), (187, 8071), (205, 8143), (212, 8164), (235, 8215), (241, 8221),

Gene: Lorde_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Lorde_12:
(Start: 13 @7390 has 10 MA's), (Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 38 @7543 has 1 MA's), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (118, 7792), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Lozinak_42 Start: 17914, Stop: 18579, Start Num: 42
Candidate Starts for Lozinak_42:
(Start: 42 @17914 has 149 MA's), (85, 18004), (179, 18361), (221, 18514),

Gene: Lucia_12 Start: 7391, Stop: 8272, Start Num: 13
Candidate Starts for Lucia_12:
(Start: 13 @7391 has 10 MA's), (Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (155, 7943), (187, 8078), (205, 8150), (212, 8171), (230, 8204), (235, 8222), (241, 8228),

Gene: LunaBlu_11 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for LunaBlu_11:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: LunaStella_12 Start: 8033, Stop: 8845, Start Num: 23
Candidate Starts for LunaStella_12:
(Start: 23 @8033 has 272 MA's), (Start: 42 @8123 has 149 MA's), (62, 8159), (115, 8348), (118, 8363), (119, 8366), (137, 8438), (155, 8513), (181, 8630), (187, 8648), (212, 8741), (226, 8768), (247, 8825),

Gene: Lutum_13 Start: 7514, Stop: 8086, Start Num: 57
Candidate Starts for Lutum_13:
(Start: 57 @7514 has 46 MA's), (73, 7535), (81, 7556), (84, 7568), (126, 7727), (138, 7769), (145, 7802), (203, 7991), (242, 8075),

Gene: Lysidious_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for Lysidious_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (111, 8850), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: MEAK_11 Start: 7162, Stop: 7782, Start Num: 66
Candidate Starts for MEAK_11:
(Start: 59 @7150 has 19 MA's), (64, 7159), (Start: 66 @7162 has 29 MA's), (96, 7255), (118, 7342), (136, 7414), (171, 7519), (176, 7534), (201, 7627), (205, 7642), (207, 7648), (225, 7690), (232, 7708),

Gene: MacGully_43 Start: 23224, Stop: 23904, Start Num: 42
Candidate Starts for MacGully_43:
(Start: 42 @23224 has 149 MA's), (67, 23263), (82, 23305), (118, 23449), (144, 23551), (147, 23563), (150, 23578), (174, 23650), (188, 23707), (198, 23746), (205, 23776), (211, 23794), (214, 23803), (221, 23818), (245, 23866), (247, 23878),

Gene: MadKillah_48 Start: 23795, Stop: 24610, Start Num: 23
Candidate Starts for MadKillah_48:
(Start: 23 @23795 has 272 MA's), (Start: 38 @23876 has 1 MA's), (94, 24017), (97, 24032), (119, 24131), (123, 24149), (139, 24212), (142, 24224), (146, 24239), (177, 24356), (204, 24482),

Gene: MadMen_11 Start: 7624, Stop: 8433, Start Num: 23
Candidate Starts for MadMen_11:
(Start: 13 @7552 has 10 MA's), (Start: 18 @7567 has 2 MA's), (Start: 23 @7624 has 272 MA's), (24, 7636), (Start: 42 @7714 has 149 MA's), (62, 7750), (74, 7774), (76, 7780), (94, 7843), (119, 7957), (120, 7960), (121, 7963), (128, 7993), (133, 8014), (135, 8023), (148, 8077), (155, 8104), (187, 8239), (205, 8311), (212, 8332), (235, 8383), (241, 8389),

Gene: Madiba_12 Start: 7457, Stop: 8266, Start Num: 23
Candidate Starts for Madiba_12:
(Start: 23 @7457 has 272 MA's), (24, 7469), (62, 7583), (74, 7607), (76, 7613), (94, 7676), (119, 7790), (120, 7793), (121, 7796), (128, 7826), (133, 7847), (135, 7856), (148, 7910), (187, 8072), (205, 8144), (212, 8165), (235, 8216), (241, 8222),

Gene: Mahavrat_11 Start: 7598, Stop: 8407, Start Num: 23

Candidate Starts for Mahavrat_11:
(Start: 18 @7541 has 2 MA's), (Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (148, 8051), (154, 8075), (187, 8213), (205, 8285), (212, 8306), (235, 8357), (241, 8363),

Gene: Maja_12 Start: 8474, Stop: 9121, Start Num: 40
Candidate Starts for Maja_12:
(Start: 40 @8474 has 23 MA's), (Start: 42 @8477 has 149 MA's), (76, 8534), (82, 8555), (91, 8585), (107, 8630), (136, 8762), (143, 8786), (168, 8870), (245, 9098),

Gene: Makima_15 Start: 9530, Stop: 10108, Start Num: 57
Candidate Starts for Makima_15:
(Start: 57 @9530 has 46 MA's),

Gene: Malachai_14 Start: 8682, Stop: 9320, Start Num: 54
Candidate Starts for Malachai_14:
(Start: 51 @8679 has 2 MA's), (Start: 54 @8682 has 42 MA's), (92, 8772), (96, 8787), (111, 8853), (150, 9015), (157, 9039), (175, 9087), (192, 9144), (201, 9183), (236, 9267), (249, 9303),

Gene: MalagasyRose_19 Start: 10934, Stop: 11524, Start Num: 57
Candidate Starts for MalagasyRose_19:
(Start: 57 @10934 has 46 MA's), (Start: 65 @10949 has 2 MA's), (79, 10982), (92, 11027), (149, 11249), (171, 11321), (184, 11366), (189, 11384), (206, 11450), (207, 11453),

Gene: Malisha_13 Start: 8564, Stop: 9133, Start Num: 57
Candidate Starts for Malisha_13:
(Start: 57 @8564 has 46 MA's), (73, 8585), (81, 8606), (84, 8618), (126, 8777), (138, 8819), (145, 8852), (180, 8960), (203, 9041),

Gene: Mandlovu_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Mandlovu_11:
(Start: 18 @7542 has 2 MA's), (Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 42 @7689 has 149 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (118, 7929), (119, 7932), (120, 7935), (121, 7938), (128, 7968), (133, 7989), (135, 7998), (147, 8046), (148, 8052), (154, 8076), (155, 8079), (187, 8214), (205, 8286), (212, 8307), (230, 8340), (235, 8358), (241, 8364),

Gene: Mantra_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Mantra_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (147, 8073), (148, 8079), (155, 8106), (187, 8241), (205, 8313), (206, 8316), (212, 8334), (235, 8385), (241, 8391),

Gene: Maravista_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Maravista_11:
(Start: 13 @7526 has 10 MA's), (17, 7541), (Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (147, 8045), (148, 8051), (154, 8075), (187, 8213), (205, 8285), (212, 8306), (230, 8339), (235, 8357), (241, 8363),

Gene: MargaretKali_13 Start: 8484, Stop: 9134, Start Num: 40
Candidate Starts for MargaretKali_13:

(Start: 40 @8484 has 23 MA's), (99, 8613), (102, 8619), (108, 8646), (133, 8760), (136, 8772), (143, 8796), (148, 8820), (150, 8829), (184, 8943), (202, 9012), (207, 9030), (233, 9093), (245, 9108),

Gene: Marietta_37 Start: 19554, Stop: 20234, Start Num: 42
Candidate Starts for Marietta_37:
(16, 19380), (Start: 42 @19554 has 149 MA's), (112, 19752), (144, 19887), (174, 19986), (182, 20025), (188, 20043), (203, 20103), (205, 20112), (226, 20163), (245, 20202), (247, 20214),

Gene: Marker_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Marker_12:
(17, 7403), (Start: 23 @7460 has 272 MA's), (24, 7472), (Start: 42 @7550 has 149 MA's), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (118, 7790), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (147, 7907), (148, 7913), (155, 7940), (174, 8009), (187, 8075), (205, 8147), (212, 8168), (235, 8219), (241, 8225),

Gene: Martik_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Martik_11:
(Start: 13 @7538 has 10 MA's), (17, 7553), (Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (147, 8057), (148, 8063), (154, 8087), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Marvin_43 Start: 19043, Stop: 19708, Start Num: 42
Candidate Starts for Marvin_43:
(Start: 42 @19043 has 149 MA's), (78, 19109), (107, 19202), (112, 19229), (131, 19313), (149, 19385), (190, 19532), (192, 19538), (200, 19565), (201, 19577),

Gene: Maselop_39 Start: 23248, Stop: 23916, Start Num: 42
Candidate Starts for Maselop_39:
(Start: 42 @23248 has 149 MA's), (82, 23329), (98, 23386), (118, 23470), (144, 23572), (147, 23584), (174, 23671), (188, 23728), (205, 23797), (207, 23803), (211, 23815), (243, 23881), (245, 23887),

Gene: Mattes_11 Start: 7601, Stop: 8410, Start Num: 23
Candidate Starts for Mattes_11:
(Start: 18 @7544 has 2 MA's), (Start: 23 @7601 has 272 MA's), (24, 7613), (Start: 42 @7691 has 149 MA's), (62, 7727), (74, 7751), (76, 7757), (94, 7820), (119, 7934), (120, 7937), (121, 7940), (128, 7970), (133, 7991), (135, 8000), (147, 8048), (148, 8054), (154, 8078), (187, 8216), (205, 8288), (212, 8309), (230, 8342), (235, 8360), (241, 8366),

Gene: Medindi_11 Start: 7620, Stop: 8429, Start Num: 23
Candidate Starts for Medindi_11:
(Start: 14 @7548 has 1 MA's), (Start: 23 @7620 has 272 MA's), (24, 7632), (Start: 38 @7701 has 1 MA's), (Start: 42 @7710 has 149 MA's), (62, 7746), (74, 7770), (76, 7776), (94, 7839), (116, 7938), (119, 7953), (120, 7956), (128, 7989), (133, 8010), (135, 8019), (148, 8073), (187, 8235), (205, 8307), (212, 8328), (235, 8379), (241, 8385),

Gene: Melba_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for Melba_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: Melissauren88_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Melissauren88_11:

(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Mellie_13 Start: 8419, Stop: 9057, Start Num: 54
Candidate Starts for Mellie_13:
(Start: 51 @8416 has 2 MA's), (Start: 54 @8419 has 42 MA's), (92, 8509), (96, 8524), (111, 8590), (132, 8677), (150, 8752), (157, 8776), (175, 8824), (192, 8881), (201, 8920), (236, 9004), (249, 9040),

Gene: Mendokysei_13 Start: 9859, Stop: 10791, Start Num: 41
Candidate Starts for Mendokysei_13:
(Start: 41 @9859 has 1 MA's), (50, 9874), (53, 9877), (106, 10024), (151, 10222), (175, 10297), (192, 10366), (199, 10390), (205, 10420), (214, 10450), (228, 10477), (252, 10573), (254, 10585), (261, 10675), (262, 10684), (263, 10702),

Gene: MerCougar_36 Start: 22307, Stop: 22990, Start Num: 42
Candidate Starts for MerCougar_36:
(Start: 42 @22307 has 149 MA's), (113, 22508), (144, 22640), (174, 22739), (177, 22748), (188, 22796), (205, 22865), (245, 22955),

Gene: Merpity_13 Start: 7019, Stop: 7681, Start Num: 42
Candidate Starts for Merpity_13:
(Start: 42 @7019 has 149 MA's), (77, 7088), (82, 7106), (84, 7112), (118, 7241), (133, 7301), (142, 7337), (150, 7373), (153, 7385), (168, 7424), (190, 7508),

Gene: MilanaBonita_12 Start: 8280, Stop: 9089, Start Num: 23
Candidate Starts for MilanaBonita_12:
(Start: 23 @8280 has 272 MA's), (24, 8292), (Start: 38 @8361 has 1 MA's), (Start: 42 @8370 has 149 MA's), (62, 8406), (74, 8430), (76, 8436), (94, 8499), (116, 8598), (119, 8613), (120, 8616), (121, 8619), (128, 8649), (133, 8670), (135, 8679), (148, 8733), (187, 8895), (205, 8967), (212, 8988), (235, 9039), (241, 9045),

Gene: MilleniumForce_12 Start: 8279, Stop: 9088, Start Num: 23
Candidate Starts for MilleniumForce_12:
(Start: 14 @8207 has 1 MA's), (Start: 23 @8279 has 272 MA's), (24, 8291), (Start: 38 @8360 has 1 MA's), (Start: 42 @8369 has 149 MA's), (62, 8405), (74, 8429), (76, 8435), (94, 8498), (118, 8609), (119, 8612), (120, 8615), (121, 8618), (128, 8648), (133, 8669), (135, 8678), (148, 8732), (187, 8894), (205, 8966), (212, 8987), (235, 9038), (241, 9044),

Gene: MillySue_16 Start: 9251, Stop: 9919, Start Num: 42
Candidate Starts for MillySue_16:
(Start: 42 @9251 has 149 MA's), (98, 9386), (118, 9473), (134, 9539), (168, 9659), (221, 9845),

Gene: MinionDave_12 Start: 8280, Stop: 9089, Start Num: 23
Candidate Starts for MinionDave_12:
(Start: 23 @8280 has 272 MA's), (24, 8292), (Start: 38 @8361 has 1 MA's), (Start: 42 @8370 has 149 MA's), (74, 8430), (76, 8436), (94, 8499), (119, 8613), (120, 8616), (121, 8619), (128, 8649), (133, 8670), (135, 8679), (148, 8733), (205, 8967), (212, 8988), (235, 9039), (241, 9045),

Gene: Minnie_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Minnie_11:

(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (212, 8334), (235, 8385), (241, 8391),

Gene: MintFen_14 Start: 8679, Stop: 9317, Start Num: 54
Candidate Starts for MintFen_14:
(Start: 51 @8676 has 2 MA's), (Start: 54 @8679 has 42 MA's), (92, 8769), (96, 8784), (132, 8937), (150, 9012), (157, 9036), (175, 9084), (192, 9141), (201, 9180), (236, 9264), (249, 9300),

Gene: Mireles_14 Start: 7926, Stop: 8504, Start Num: 57
Candidate Starts for Mireles_14:
(Start: 57 @7926 has 46 MA's), (75, 7953), (139, 8193), (184, 8349), (188, 8361),

Gene: Misha28_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for Misha28_12:
(Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Miskis_40 Start: 17677, Stop: 18342, Start Num: 42
Candidate Starts for Miskis_40:
(Start: 42 @17677 has 149 MA's), (85, 17767), (179, 18124),

Gene: MissRona_16 Start: 9023, Stop: 9661, Start Num: 54
Candidate Starts for MissRona_16:
(Start: 51 @9020 has 2 MA's), (Start: 54 @9023 has 42 MA's), (92, 9113), (96, 9128), (111, 9194), (119, 9230), (132, 9281), (150, 9356), (157, 9380), (175, 9428), (192, 9485), (201, 9524), (236, 9608), (249, 9644),

Gene: MisterCuddles_11 Start: 7614, Stop: 8423, Start Num: 23
Candidate Starts for MisterCuddles_11:
(Start: 18 @7557 has 2 MA's), (Start: 23 @7614 has 272 MA's), (24, 7626), (Start: 42 @7704 has 149 MA's), (62, 7740), (74, 7764), (76, 7770), (94, 7833), (119, 7947), (120, 7950), (121, 7953), (128, 7983), (133, 8004), (135, 8013), (148, 8067), (154, 8091), (155, 8094), (187, 8229), (205, 8301), (212, 8322), (230, 8355), (235, 8373), (241, 8379),

Gene: ModicumRichard_13 Start: 8905, Stop: 9573, Start Num: 40
Candidate Starts for ModicumRichard_13:
(Start: 40 @8905 has 23 MA's), (167, 9307), (188, 9388), (202, 9445), (233, 9526), (245, 9547),

Gene: Modragons_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for Modragons_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Mollymur_25 Start: 16148, Stop: 16804, Start Num: 42
Candidate Starts for Mollymur_25:
(Start: 42 @16148 has 149 MA's), (74, 16202), (78, 16214), (109, 16313), (160, 16520), (169, 16550), (170, 16553),

Gene: MooMoo_11 Start: 7161, Stop: 7961, Start Num: 23
Candidate Starts for MooMoo_11:
(Start: 20 @7110 has 1 MA's), (Start: 23 @7161 has 272 MA's), (Start: 42 @7257 has 149 MA's), (87, 7353), (96, 7392), (119, 7497), (145, 7602), (165, 7683), (166, 7686), (170, 7701), (181, 7761), (202, 7836), (212, 7869), (217, 7875), (218, 7878),

Gene: Moonbeam_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Moonbeam_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (118, 7941), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (187, 8226), (205, 8298), (212, 8319), (235, 8370), (241, 8376),

Gene: Morgana_13 Start: 8909, Stop: 9580, Start Num: 40
Candidate Starts for Morgana_13:
(Start: 40 @8909 has 23 MA's), (167, 9311), (188, 9392), (202, 9449), (233, 9530), (245, 9551),

Gene: Mori_46 Start: 23444, Stop: 24259, Start Num: 23
Candidate Starts for Mori_46:
(Start: 23 @23444 has 272 MA's), (Start: 38 @23525 has 1 MA's), (94, 23666), (97, 23681), (119, 23780), (123, 23798), (139, 23861), (142, 23873), (146, 23888), (177, 24005), (204, 24131),

Gene: Morrey_19 Start: 9148, Stop: 9810, Start Num: 40
Candidate Starts for Morrey_19:
(Start: 40 @9148 has 23 MA's), (76, 9214), (99, 9286), (108, 9319), (136, 9445), (143, 9469), (245, 9781),

Gene: MosMoris_43 Start: 18223, Stop: 18888, Start Num: 42
Candidate Starts for MosMoris_43:
(Start: 42 @18223 has 149 MA's), (78, 18289), (107, 18382), (112, 18409), (131, 18493), (149, 18565), (190, 18712), (192, 18718), (200, 18745), (201, 18757),

Gene: Mova_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for Mova_12:
(Start: 13 @7392 has 10 MA's), (Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (118, 7794), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Moyashi_11 Start: 7180, Stop: 7824, Start Num: 66
Candidate Starts for Moyashi_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: Mozy_12 Start: 7477, Stop: 8286, Start Num: 23
Candidate Starts for Mozy_12:
(Start: 23 @7477 has 272 MA's), (24, 7489), (Start: 38 @7558 has 1 MA's), (Start: 42 @7567 has 149 MA's), (62, 7603), (74, 7627), (76, 7633), (94, 7696), (119, 7810), (120, 7813), (128, 7846), (133, 7867), (135, 7876), (148, 7930), (155, 7957), (176, 8032), (205, 8164), (212, 8185), (235, 8236), (241, 8242),

Gene: MrAK_11 Start: 7192, Stop: 7836, Start Num: 66
Candidate Starts for MrAK_11:

(Start: 59 @7180 has 19 MA's), (64, 7189), (Start: 66 @7192 has 29 MA's), (96, 7285), (118, 7372), (127, 7408), (175, 7561), (176, 7564), (192, 7618), (201, 7657), (205, 7672), (207, 7678), (225, 7720), (232, 7738),

Gene: MrSmee_12 Start: 7019, Stop: 7681, Start Num: 42
Candidate Starts for MrSmee_12:
(Start: 42 @7019 has 149 MA's), (77, 7088), (82, 7106), (84, 7112), (118, 7241), (133, 7301), (142, 7337), (150, 7373), (153, 7385), (168, 7424), (190, 7508),

Gene: Ms6_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Ms6_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (74, 7781), (76, 7787), (94, 7850), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: MulchExplorer_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for MulchExplorer_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: MulchSalad_11 Start: 7612, Stop: 8421, Start Num: 23
Candidate Starts for MulchSalad_11:
(Start: 23 @7612 has 272 MA's), (24, 7624), (Start: 42 @7702 has 149 MA's), (62, 7738), (74, 7762), (76, 7768), (94, 7831), (119, 7945), (120, 7948), (121, 7951), (128, 7981), (133, 8002), (135, 8011), (148, 8065), (187, 8227), (205, 8299), (212, 8320), (235, 8371), (241, 8377),

Gene: Murai_47 Start: 23634, Stop: 24449, Start Num: 23
Candidate Starts for Murai_47:
(Start: 23 @23634 has 272 MA's), (Start: 38 @23715 has 1 MA's), (94, 23856), (97, 23871), (119, 23970), (123, 23988), (139, 24051), (142, 24063), (146, 24078), (177, 24195), (204, 24321),

Gene: Murp_14 Start: 8672, Stop: 9310, Start Num: 54
Candidate Starts for Murp_14:
(Start: 51 @8669 has 2 MA's), (Start: 54 @8672 has 42 MA's), (92, 8762), (96, 8777), (111, 8843), (119, 8879), (132, 8930), (150, 9005), (157, 9029), (192, 9134), (201, 9173), (236, 9257), (249, 9293),

Gene: Mutaforma13_11 Start: 7630, Stop: 8439, Start Num: 23
Candidate Starts for Mutaforma13_11:
(Start: 23 @7630 has 272 MA's), (24, 7642), (Start: 38 @7711 has 1 MA's), (Start: 42 @7720 has 149 MA's), (62, 7756), (74, 7780), (76, 7786), (94, 7849), (118, 7960), (119, 7963), (120, 7966), (121, 7969), (128, 7999), (133, 8020), (135, 8029), (148, 8083), (155, 8110), (205, 8317), (212, 8338), (235, 8389), (241, 8395),

Gene: Mwanjiwa_11 Start: 7583, Stop: 8392, Start Num: 23
Candidate Starts for Mwanjiwa_11:
(Start: 18 @7526 has 2 MA's), (Start: 23 @7583 has 272 MA's), (24, 7595), (Start: 42 @7673 has 149 MA's), (62, 7709), (74, 7733), (76, 7739), (94, 7802), (118, 7913), (119, 7916), (120, 7919), (121, 7922), (128, 7952), (133, 7973), (135, 7982), (148, 8036), (154, 8060), (187, 8198), (205, 8270), (212, 8291), (235, 8342), (241, 8348),

Gene: NadineRae_35 Start: 18802, Stop: 19482, Start Num: 42

Candidate Starts for NadineRae_35:
(Start: 42 @18802 has 149 MA's), (112, 18997), (131, 19081), (144, 19132), (174, 19231), (188, 19288), (205, 19357), (226, 19408), (245, 19447),

Gene: Nairb_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for Nairb_14:
(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: Nandita_16 Start: 9237, Stop: 9905, Start Num: 42
Candidate Starts for Nandita_16:
(Start: 42 @9237 has 149 MA's), (77, 9306), (118, 9459), (134, 9525), (168, 9645), (202, 9777), (221, 9831),

Gene: NatB6_35 Start: 21443, Stop: 22126, Start Num: 42
Candidate Starts for NatB6_35:
(Start: 42 @21443 has 149 MA's), (53, 21461), (91, 21554), (112, 21641), (113, 21644), (144, 21776), (174, 21875), (188, 21932), (205, 22001), (216, 22031), (226, 22052), (245, 22091),

Gene: Nebkiss_10 Start: 8074, Stop: 8661, Start Num: 57
Candidate Starts for Nebkiss_10:
(Start: 57 @8074 has 46 MA's), (93, 8155), (105, 8194), (114, 8236), (127, 8290), (136, 8326), (164, 8425), (173, 8455), (196, 8545), (207, 8587), (220, 8620),

Gene: Nergal_17 Start: 11411, Stop: 12001, Start Num: 57
Candidate Starts for Nergal_17:
(Start: 57 @11411 has 46 MA's), (Start: 65 @11426 has 2 MA's), (71, 11441), (79, 11459), (103, 11537), (124, 11627), (138, 11675), (171, 11798), (184, 11843), (206, 11927), (207, 11930),

Gene: Nette_14 Start: 9868, Stop: 10800, Start Num: 41
Candidate Starts for Nette_14:
(Start: 41 @9868 has 1 MA's), (50, 9883), (53, 9886), (106, 10033), (151, 10231), (175, 10306), (192, 10375), (199, 10399), (205, 10429), (214, 10459), (228, 10486), (252, 10582), (254, 10594), (261, 10684), (262, 10693), (263, 10711),

Gene: Neuvillette_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for Neuvillette_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Neville_21 Start: 12158, Stop: 12817, Start Num: 42
Candidate Starts for Neville_21:
(Start: 42 @12158 has 149 MA's), (70, 12206), (72, 12209), (90, 12269), (102, 12299), (122, 12398), (127, 12416), (132, 12434), (143, 12476), (147, 12494), (148, 12500), (182, 12617), (190, 12644), (198, 12674), (203, 12695), (221, 12746), (224, 12752),

Gene: NewHope4_11 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for NewHope4_11:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: Nichirin_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for Nichirin_11:
(Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (Start: 42 @7698 has 149 MA's), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (118, 7938), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (147, 8055), (148, 8061), (154, 8085), (187, 8223), (205, 8295), (212, 8316), (235, 8367), (241, 8373),

Gene: NiebruSaylor_46 Start: 23445, Stop: 24260, Start Num: 23
Candidate Starts for NiebruSaylor_46:
(Start: 23 @23445 has 272 MA's), (Start: 38 @23526 has 1 MA's), (94, 23667), (97, 23682), (119, 23781), (123, 23799), (139, 23862), (142, 23874), (146, 23889), (177, 24006), (204, 24132),

Gene: Nimbo_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Nimbo_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Nitzel_12 Start: 8262, Stop: 9071, Start Num: 23
Candidate Starts for Nitzel_12:
(Start: 23 @8262 has 272 MA's), (24, 8274), (Start: 42 @8352 has 149 MA's), (62, 8388), (74, 8412), (76, 8418), (94, 8481), (119, 8595), (120, 8598), (121, 8601), (128, 8631), (133, 8652), (135, 8661), (148, 8715), (155, 8742), (187, 8877), (212, 8970), (235, 9021), (241, 9027),

Gene: Nivrat_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Nivrat_11:
(Start: 13 @7537 has 10 MA's), (17, 7552), (Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (154, 8086), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: NoSwimming_14 Start: 10095, Stop: 10754, Start Num: 40
Candidate Starts for NoSwimming_14:
(Start: 40 @10095 has 23 MA's), (Start: 42 @10098 has 149 MA's), (76, 10155), (108, 10260), (136, 10386), (143, 10410), (144, 10416), (239, 10716), (245, 10722), (249, 10740),

Gene: NormanBulbieJr_11 Start: 7597, Stop: 8406, Start Num: 23
Candidate Starts for NormanBulbieJr_11:
(Start: 23 @7597 has 272 MA's), (24, 7609), (Start: 42 @7687 has 149 MA's), (62, 7723), (74, 7747), (76, 7753), (94, 7816), (119, 7930), (120, 7933), (121, 7936), (128, 7966), (133, 7987), (135, 7996), (148, 8050), (155, 8077), (205, 8284), (212, 8305), (235, 8356), (241, 8362),

Gene: Norvs_43 Start: 17916, Stop: 18581, Start Num: 42
Candidate Starts for Norvs_43:
(Start: 42 @17916 has 149 MA's), (85, 18006), (179, 18363), (221, 18516),

Gene: NosilaM_38 Start: 21997, Stop: 22680, Start Num: 42
Candidate Starts for NosilaM_38:
(Start: 42 @21997 has 149 MA's), (113, 22198), (122, 22246), (144, 22330), (174, 22429), (188, 22486), (205, 22555), (245, 22645),

Gene: NovumRegina_35 Start: 21776, Stop: 22459, Start Num: 42

Candidate Starts for NovumRegina_35:
(Start: 42 @21776 has 149 MA's), (53, 21794), (91, 21887), (112, 21974), (113, 21977), (144, 22109), (174, 22208), (188, 22265), (205, 22334), (216, 22364), (226, 22385), (245, 22424),

Gene: ObLaDi_13 Start: 8905, Stop: 9573, Start Num: 40
Candidate Starts for ObLaDi_13:
(Start: 40 @8905 has 23 MA's), (167, 9307), (188, 9388), (202, 9445), (233, 9526), (245, 9547),

Gene: Obliviate_13 Start: 8445, Stop: 9086, Start Num: 51
Candidate Starts for Obliviate_13:
(Start: 51 @8445 has 2 MA's), (Start: 54 @8448 has 42 MA's), (92, 8538), (96, 8553), (111, 8619), (132, 8706), (150, 8781), (157, 8805), (175, 8853), (192, 8910), (201, 8949), (236, 9033), (249, 9069),

Gene: Ochi17_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for Ochi17_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Octobien14_22 Start: 13362, Stop: 14021, Start Num: 42
Candidate Starts for Octobien14_22:
(Start: 42 @13362 has 149 MA's), (67, 13404), (72, 13413), (84, 13452), (90, 13473), (102, 13503), (132, 13638), (169, 13767), (177, 13791), (191, 13851), (196, 13872), (198, 13878), (203, 13899), (221, 13950), (238, 13986),

Gene: OfUltron_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for OfUltron_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Ogopogo_14 Start: 7806, Stop: 8672, Start Num: 18
Candidate Starts for Ogopogo_14:
(Start: 18 @7806 has 2 MA's), (Start: 23 @7863 has 272 MA's), (24, 7875), (Start: 42 @7953 has 149 MA's), (62, 7989), (74, 8013), (76, 8019), (94, 8082), (119, 8196), (120, 8199), (121, 8202), (128, 8232), (133, 8253), (135, 8262), (147, 8310), (148, 8316), (154, 8340), (155, 8343), (187, 8478), (205, 8550), (212, 8571), (230, 8604), (235, 8622), (241, 8628),

Gene: Okabe_13 Start: 8273, Stop: 9082, Start Num: 23
Candidate Starts for Okabe_13:
(Start: 18 @8216 has 2 MA's), (Start: 23 @8273 has 272 MA's), (24, 8285), (Start: 42 @8363 has 149 MA's), (62, 8399), (74, 8423), (76, 8429), (94, 8492), (119, 8606), (120, 8609), (121, 8612), (128, 8642), (133, 8663), (135, 8672), (148, 8726), (154, 8750), (187, 8888), (205, 8960), (212, 8981), (230, 9014), (235, 9032), (241, 9038),

Gene: Oksu_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Oksu_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (147, 7910), (148, 7916), (154, 7940), (155, 7943), (187, 8078), (205, 8150), (212, 8171), (230, 8204), (235, 8222), (241, 8228),

Gene: OldBen_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for OldBen_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: OlympiaSaint_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for OlympiaSaint_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (155, 8090), (205, 8297), (212, 8318), (235, 8369), (241, 8375),

Gene: OneUp_36 Start: 15613, Stop: 16278, Start Num: 42
Candidate Starts for OneUp_36:
(35, 15595), (Start: 42 @15613 has 149 MA's), (118, 15844), (133, 15904), (135, 15913), (169, 16030),

Gene: Ouroboros_11 Start: 7164, Stop: 7787, Start Num: 66
Candidate Starts for Ouroboros_11:
(55, 7146), (Start: 58 @7152 has 3 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (107, 7287), (109, 7296), (118, 7344), (175, 7533), (176, 7536), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: Outis_36 Start: 22001, Stop: 22684, Start Num: 42
Candidate Starts for Outis_36:
(Start: 42 @22001 has 149 MA's), (113, 22202), (144, 22334), (174, 22433), (177, 22442), (188, 22490), (205, 22559), (245, 22649),

Gene: Ovechkin_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Ovechkin_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (74, 7781), (76, 7787), (94, 7850), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: OwlsT2W_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for OwlsT2W_12:
(Start: 11 @7386 has 3 MA's), (Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (174, 8010), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: P1.1_11 Start: 7152, Stop: 7793, Start Num: 59
Candidate Starts for P1.1_11:
(Start: 59 @7152 has 19 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (96, 7257), (118, 7344), (127, 7380), (174, 7530), (175, 7533), (176, 7536), (192, 7590), (201, 7629), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: P100.1_11 Start: 7148, Stop: 7801, Start Num: 58
Candidate Starts for P100.1_11:
(55, 7142), (Start: 58 @7148 has 3 MA's), (64, 7157), (Start: 66 @7160 has 29 MA's), (96, 7253), (118, 7340), (127, 7376), (171, 7517), (176, 7532), (192, 7586), (201, 7625), (205, 7640), (207, 7646), (225, 7688), (232, 7706),

Gene: P100A_11 Start: 7160, Stop: 7795, Start Num: 58
Candidate Starts for P100A_11:
(55, 7154), (Start: 58 @7160 has 3 MA's), (64, 7169), (Start: 66 @7172 has 29 MA's), (96, 7265), (109, 7304), (118, 7352), (127, 7388), (176, 7544), (179, 7553), (205, 7652), (207, 7658), (225, 7700), (232, 7718),

Gene: P100D_11 Start: 7145, Stop: 7798, Start Num: 59
Candidate Starts for P100D_11:
(Start: 59 @7145 has 19 MA's), (64, 7154), (Start: 66 @7157 has 29 MA's), (96, 7250), (118, 7337), (171, 7514), (174, 7523), (175, 7526), (176, 7529), (192, 7583), (201, 7622), (205, 7637), (207, 7643), (225, 7685), (232, 7703),

Gene: P101A_11 Start: 7152, Stop: 7808, Start Num: 59
Candidate Starts for P101A_11:
(Start: 59 @7152 has 19 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (96, 7257), (118, 7344), (127, 7380), (171, 7521), (176, 7536), (192, 7590), (201, 7629), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: P104A_11 Start: 7149, Stop: 7781, Start Num: 59
Candidate Starts for P104A_11:
(Start: 59 @7149 has 19 MA's), (64, 7158), (Start: 66 @7161 has 29 MA's), (96, 7254), (118, 7341), (171, 7518), (176, 7533), (192, 7587), (201, 7626), (205, 7641), (207, 7647), (225, 7689), (232, 7707),

Gene: P104B_11 Start: 7169, Stop: 7798, Start Num: 66
Candidate Starts for P104B_11:
(Start: 39 @7121 has 1 MA's), (Start: 42 @7127 has 149 MA's), (44, 7130), (50, 7145), (56, 7151), (Start: 59 @7157 has 19 MA's), (64, 7166), (Start: 66 @7169 has 29 MA's), (96, 7262), (104, 7283), (118, 7349), (175, 7538), (176, 7541), (192, 7595), (201, 7634), (205, 7649), (207, 7655), (225, 7697), (232, 7715),

Gene: P105_11 Start: 7140, Stop: 7781, Start Num: 59
Candidate Starts for P105_11:
(Start: 59 @7140 has 19 MA's), (64, 7149), (Start: 66 @7152 has 29 MA's), (96, 7245), (118, 7332), (127, 7368), (175, 7521), (176, 7524), (201, 7617), (205, 7632), (207, 7638), (225, 7680), (232, 7698),

Gene: P106A_11 Start: 7168, Stop: 7824, Start Num: 59
Candidate Starts for P106A_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (175, 7549), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: P106C_11 Start: 7168, Stop: 7824, Start Num: 59
Candidate Starts for P106C_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (175, 7549), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: P106I_11 Start: 7168, Stop: 7824, Start Num: 59
Candidate Starts for P106I_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (175, 7549), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: P106L_11 Start: 7168, Stop: 7824, Start Num: 59
Candidate Starts for P106L_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (175, 7549), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: P106M_11 Start: 7168, Stop: 7824, Start Num: 59
Candidate Starts for P106M_11:
(Start: 59 @7168 has 19 MA's), (64, 7177), (Start: 66 @7180 has 29 MA's), (96, 7273), (118, 7360), (127, 7396), (171, 7537), (175, 7549), (176, 7552), (192, 7606), (201, 7645), (205, 7660), (207, 7666), (225, 7708), (232, 7726),

Gene: P107A_11 Start: 7168, Stop: 7800, Start Num: 66
Candidate Starts for P107A_11:
(Start: 58 @7156 has 3 MA's), (64, 7165), (Start: 66 @7168 has 29 MA's), (118, 7348), (127, 7384), (171, 7525), (174, 7534), (175, 7537), (176, 7540), (179, 7549), (201, 7633), (205, 7648), (207, 7654), (225, 7696), (232, 7714),

Gene: P107C_11 Start: 7162, Stop: 7785, Start Num: 66
Candidate Starts for P107C_11:
(Start: 59 @7150 has 19 MA's), (64, 7159), (Start: 66 @7162 has 29 MA's), (96, 7255), (118, 7342), (175, 7531), (176, 7534), (179, 7543), (201, 7627), (205, 7642), (207, 7648), (225, 7690), (232, 7708),

Gene: P108C_11 Start: 7167, Stop: 7793, Start Num: 66
Candidate Starts for P108C_11:
(Start: 59 @7155 has 19 MA's), (64, 7164), (Start: 66 @7167 has 29 MA's), (96, 7260), (118, 7347), (171, 7524), (176, 7539), (201, 7632), (205, 7647), (207, 7653), (225, 7695), (232, 7713),

Gene: P1201_38 Start: 22813, Stop: 23490, Start Num: 42
Candidate Starts for P1201_38:
(Start: 42 @22813 has 149 MA's), (90, 22921), (98, 22942), (112, 22999), (126, 23065), (135, 23101), (162, 23188), (188, 23287), (205, 23356), (245, 23446),

Gene: P14.4_11 Start: 7116, Stop: 7793, Start Num: 39
Candidate Starts for P14.4_11:
(Start: 39 @7116 has 1 MA's), (Start: 42 @7122 has 149 MA's), (44, 7125), (50, 7140), (56, 7146), (Start: 59 @7152 has 19 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (96, 7257), (104, 7278), (118, 7344), (127, 7380), (171, 7521), (174, 7530), (175, 7533), (176, 7536), (201, 7629), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: P9.1_11 Start: 7144, Stop: 7788, Start Num: 59
Candidate Starts for P9.1_11:
(Start: 59 @7144 has 19 MA's), (64, 7153), (Start: 66 @7156 has 29 MA's), (96, 7249), (118, 7336), (127, 7372), (171, 7513), (176, 7528), (201, 7621), (205, 7636), (207, 7642), (225, 7684), (232, 7702), (246, 7732),

Gene: PA6_11 Start: 7172, Stop: 7813, Start Num: 66
Candidate Starts for PA6_11:
(Start: 39 @7124 has 1 MA's), (Start: 42 @7130 has 149 MA's), (44, 7133), (50, 7148), (56, 7154), (Start: 59 @7160 has 19 MA's), (64, 7169), (Start: 66 @7172 has 29 MA's), (96, 7265), (118, 7352), (127, 7388), (175, 7541), (176, 7544), (192, 7598), (201, 7637), (205, 7652), (207, 7658), (225, 7700), (232, 7718),

Gene: PAD20_11 Start: 7164, Stop: 7793, Start Num: 66
Candidate Starts for PAD20_11:
(Start: 59 @7152 has 19 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (96, 7257), (118, 7344), (175, 7533), (176, 7536), (179, 7545), (192, 7590), (201, 7629), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: PAS50_11 Start: 7161, Stop: 7799, Start Num: 66
Candidate Starts for PAS50_11:
(Start: 59 @7149 has 19 MA's), (64, 7158), (Start: 66 @7161 has 29 MA's), (96, 7254), (107, 7284), (118, 7341), (127, 7377), (171, 7518), (175, 7530), (176, 7533), (192, 7587), (201, 7626), (205, 7641), (207, 7647), (225, 7689), (232, 7707),

Gene: PCoral7_14 Start: 8656, Stop: 9306, Start Num: 54
Candidate Starts for PCoral7_14:
(Start: 38 @8626 has 1 MA's), (Start: 51 @8653 has 2 MA's), (Start: 54 @8656 has 42 MA's), (92, 8746), (96, 8761), (119, 8863), (131, 8911), (150, 8989), (157, 9013), (169, 9043), (175, 9061), (201, 9157), (236, 9241),

Gene: PHL010M04_11 Start: 7155, Stop: 7787, Start Num: 66
Candidate Starts for PHL010M04_11:
(Start: 58 @7143 has 3 MA's), (64, 7152), (Start: 66 @7155 has 29 MA's), (118, 7335), (127, 7371), (175, 7524), (176, 7527), (201, 7620), (225, 7683), (232, 7701),

Gene: PHL037M02_11 Start: 7161, Stop: 7802, Start Num: 66
Candidate Starts for PHL037M02_11:
(Start: 59 @7149 has 19 MA's), (64, 7158), (Start: 66 @7161 has 29 MA's), (96, 7254), (118, 7341), (127, 7377), (175, 7530), (176, 7533), (192, 7587), (201, 7626), (205, 7641), (207, 7647), (225, 7689), (232, 7707),

Gene: PHL060L00_11 Start: 7151, Stop: 7804, Start Num: 66
Candidate Starts for PHL060L00_11:
(Start: 59 @7139 has 19 MA's), (64, 7148), (Start: 66 @7151 has 29 MA's), (96, 7244), (118, 7331), (127, 7367), (175, 7520), (176, 7523), (179, 7532), (201, 7616), (205, 7631), (207, 7637), (225, 7679), (232, 7697),

Gene: PHL067M10_11 Start: 7157, Stop: 7771, Start Num: 66
Candidate Starts for PHL067M10_11:
(Start: 59 @7145 has 19 MA's), (64, 7154), (Start: 66 @7157 has 29 MA's), (96, 7250), (109, 7289), (118, 7337), (171, 7514), (174, 7523), (175, 7526), (176, 7529), (201, 7622), (205, 7637), (207, 7643), (225, 7685), (232, 7703),

Gene: PHL071N05_11 Start: 7159, Stop: 7797, Start Num: 66
Candidate Starts for PHL071N05_11:
(Start: 59 @7147 has 19 MA's), (64, 7156), (Start: 66 @7159 has 29 MA's), (96, 7252), (118, 7339), (175, 7528), (176, 7531), (201, 7624), (205, 7639), (207, 7645), (225, 7687), (232, 7705),

Gene: PHL111M01_11 Start: 7168, Stop: 7788, Start Num: 66
Candidate Starts for PHL111M01_11:
(Start: 59 @7156 has 19 MA's), (64, 7165), (Start: 66 @7168 has 29 MA's), (96, 7261), (118, 7348), (127, 7384), (171, 7525), (175, 7537), (176, 7540), (192, 7594), (201, 7633), (205, 7648), (207, 7654), (225, 7696), (232, 7714),

Gene: PHL112N00_11 Start: 7164, Stop: 7784, Start Num: 66
Candidate Starts for PHL112N00_11:
(Start: 59 @7152 has 19 MA's), (64, 7161), (Start: 66 @7164 has 29 MA's), (96, 7257), (104, 7278), (118, 7344), (127, 7380), (175, 7533), (176, 7536), (201, 7629), (205, 7644), (207, 7650), (225, 7692), (232, 7710),

Gene: PHL113M01_11 Start: 7172, Stop: 7813, Start Num: 66
Candidate Starts for PHL113M01_11:
(Start: 59 @7160 has 19 MA's), (64, 7169), (Start: 66 @7172 has 29 MA's), (118, 7352), (175, 7541), (176, 7544), (179, 7553), (201, 7637), (205, 7652), (207, 7658), (225, 7700), (232, 7718),

Gene: PHL114L00_11 Start: 7168, Stop: 7791, Start Num: 66
Candidate Starts for PHL114L00_11:
(49, 7144), (55, 7150), (Start: 58 @7156 has 3 MA's), (64, 7165), (Start: 66 @7168 has 29 MA's), (118, 7348), (176, 7540), (205, 7648), (207, 7654), (225, 7696), (232, 7714),

Gene: PHappiness_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for PHappiness_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: PMC_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for PMC_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (205, 8313), (212, 8334), (235, 8385), (241, 8391),

Gene: Pacc40_11 Start: 7537, Stop: 8418, Start Num: 13
Candidate Starts for Pacc40_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: PaintedDog_12 Start: 8410, Stop: 9210, Start Num: 23
Candidate Starts for PaintedDog_12:
(Start: 20 @8359 has 1 MA's), (Start: 23 @8410 has 272 MA's), (Start: 42 @8506 has 149 MA's), (76, 8569), (97, 8647), (119, 8746), (128, 8782), (195, 9058), (212, 9118), (217, 9124),

Gene: Patio_38 Start: 22247, Stop: 22930, Start Num: 42
Candidate Starts for Patio_38:
(Start: 42 @22247 has 149 MA's), (113, 22448), (144, 22580), (150, 22607), (174, 22679), (188, 22736), (205, 22805), (226, 22856), (245, 22895),

Gene: PatoPoderoso_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for PatoPoderoso_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (74, 7782), (76, 7788), (94, 7851), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Pemberton_38 Start: 19542, Stop: 20222, Start Num: 42

Candidate Starts for Pemberton_38:
(Start: 42 @19542 has 149 MA's), (112, 19737), (131, 19821), (144, 19872), (174, 19971), (188, 20028), (205, 20097), (226, 20148), (245, 20187),

Gene: Peridot_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Peridot_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (155, 7943), (187, 8078), (212, 8171), (235, 8222), (241, 8228),

Gene: Periwinkle_13 Start: 7496, Stop: 8068, Start Num: 57
Candidate Starts for Periwinkle_13:
(Start: 57 @7496 has 46 MA's), (73, 7517), (81, 7538), (84, 7550), (126, 7709), (138, 7751), (145, 7784), (203, 7973), (242, 8057),

Gene: PeteyPab_22 Start: 15926, Stop: 16588, Start Num: 42
Candidate Starts for PeteyPab_22:
(Start: 42 @15926 has 149 MA's), (53, 15944), (82, 16007), (84, 16013), (144, 16247), (174, 16343), (188, 16400), (192, 16415), (245, 16559),

Gene: Petra_16 Start: 9059, Stop: 9697, Start Num: 54
Candidate Starts for Petra_16:
(Start: 51 @9056 has 2 MA's), (Start: 54 @9059 has 42 MA's), (92, 9149), (96, 9164), (111, 9230), (132, 9317), (150, 9392), (157, 9416), (175, 9464), (192, 9521), (201, 9560), (236, 9644), (249, 9680),

Gene: Phabuloso_13 Start: 7501, Stop: 8073, Start Num: 57
Candidate Starts for Phabuloso_13:
(Start: 57 @7501 has 46 MA's), (73, 7522), (81, 7543), (84, 7555), (126, 7714), (138, 7756), (145, 7789), (203, 7978), (242, 8062),

Gene: Phalconet_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Phalconet_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (116, 7949), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Phanphagia_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for Phanphagia_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (118, 7962), (119, 7965), (120, 7968), (121, 7971), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Phasih_11 Start: 7625, Stop: 8434, Start Num: 23
Candidate Starts for Phasih_11:
(Start: 18 @7568 has 2 MA's), (Start: 23 @7625 has 272 MA's), (24, 7637), (Start: 38 @7706 has 1 MA's), (Start: 42 @7715 has 149 MA's), (74, 7775), (76, 7781), (94, 7844), (119, 7958), (120, 7961), (121, 7964), (128, 7994), (133, 8015), (135, 8024), (148, 8078), (154, 8102), (205, 8312), (212, 8333), (230, 8366), (235, 8384), (241, 8390),

Gene: Phatniss_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Phatniss_11:

(Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (212, 8317), (235, 8368), (241, 8374),

Gene: PhesterPhotato_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for PhesterPhotato_11:
(Start: 14 @7559 has 1 MA's), (Start: 18 @7571 has 2 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Philus_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Philus_11:
(Start: 13 @7537 has 10 MA's), (17, 7552), (Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (154, 8086), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: PhinkBoden_42 Start: 18297, Stop: 18962, Start Num: 42
Candidate Starts for PhinkBoden_42:
(Start: 42 @18297 has 149 MA's), (85, 18387), (179, 18744), (221, 18897),

Gene: Phistory_13 Start: 7485, Stop: 8057, Start Num: 57
Candidate Starts for Phistory_13:
(Start: 57 @7485 has 46 MA's), (73, 7506), (81, 7527), (84, 7539), (126, 7698), (138, 7740), (145, 7773), (203, 7962), (242, 8046),

Gene: PhlipPhlop_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for PhlipPhlop_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (118, 7956), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (187, 8241), (205, 8313), (212, 8334), (235, 8385), (241, 8391),

Gene: Phomeo_34 Start: 22069, Stop: 22752, Start Num: 42
Candidate Starts for Phomeo_34:
(Start: 42 @22069 has 149 MA's), (53, 22087), (91, 22180), (112, 22267), (113, 22270), (144, 22402), (174, 22501), (188, 22558), (205, 22627), (216, 22657), (226, 22678), (245, 22717),

Gene: PhrostedPhlake_15 Start: 9037, Stop: 9675, Start Num: 54
Candidate Starts for PhrostedPhlake_15:
(Start: 51 @9034 has 2 MA's), (Start: 54 @9037 has 42 MA's), (92, 9127), (96, 9142), (111, 9208), (132, 9295), (150, 9370), (157, 9394), (175, 9442), (192, 9499), (201, 9538), (236, 9622), (249, 9658),

Gene: Pigu_11 Start: 7560, Stop: 8207, Start Num: 40
Candidate Starts for Pigu_11:
(Start: 40 @7560 has 23 MA's), (Start: 42 @7563 has 149 MA's), (76, 7620), (91, 7671), (100, 7692), (131, 7827), (136, 7848), (143, 7872), (150, 7905), (174, 7974), (245, 8184),

Gene: Piper2020_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Piper2020_12:
(Start: 13 @7391 has 10 MA's), (Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (147, 7910), (148, 7916), (155, 7943),

(187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Pipp_14 Start: 8651, Stop: 9292, Start Num: 51
Candidate Starts for Pipp_14:
(Start: 51 @8651 has 2 MA's), (Start: 54 @8654 has 42 MA's), (92, 8744), (96, 8759), (150, 8987), (157, 9011), (175, 9059), (192, 9116), (201, 9155), (236, 9239), (249, 9275),

Gene: Pippy_11 Start: 7597, Stop: 8406, Start Num: 23
Candidate Starts for Pippy_11:
(Start: 23 @7597 has 272 MA's), (24, 7609), (Start: 42 @7687 has 149 MA's), (62, 7723), (74, 7747), (76, 7753), (94, 7816), (119, 7930), (120, 7933), (121, 7936), (128, 7966), (133, 7987), (135, 7996), (148, 8050), (187, 8212), (212, 8305), (235, 8356), (241, 8362),

Gene: Pirate_11 Start: 7156, Stop: 7782, Start Num: 66
Candidate Starts for Pirate_11:
(Start: 59 @7144 has 19 MA's), (64, 7153), (Start: 66 @7156 has 29 MA's), (96, 7249), (118, 7336), (171, 7513), (176, 7528), (201, 7621), (205, 7636), (207, 7642), (225, 7684), (232, 7702),

Gene: Pleakley_44 Start: 22073, Stop: 22756, Start Num: 42
Candidate Starts for Pleakley_44:
(Start: 42 @22073 has 149 MA's), (113, 22274), (131, 22355), (143, 22400), (144, 22406), (147, 22418), (174, 22505), (188, 22562), (205, 22631), (226, 22682), (240, 22712), (245, 22721),

Gene: Plumbus_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Plumbus_12:
(Start: 18 @7406 has 2 MA's), (Start: 23 @7463 has 272 MA's), (24, 7475), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Poenanya_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Poenanya_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Poise_45 Start: 18361, Stop: 19026, Start Num: 42
Candidate Starts for Poise_45:
(Start: 42 @18361 has 149 MA's), (78, 18427), (107, 18520), (112, 18547), (131, 18631), (149, 18703), (190, 18850), (192, 18856), (200, 18883), (201, 18895),

Gene: Polka14_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Polka14_11:
(Start: 13 @7538 has 10 MA's), (Start: 18 @7553 has 2 MA's), (Start: 23 @7610 has 272 MA's), (24, 7622), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (155, 8090), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Pollywog_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Pollywog_12:
(Start: 13 @7390 has 10 MA's), (Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (155, 7942), (187, 8077), (205, 8149), (212, 8170), (230,

8203), (235, 8221), (241, 8227),

Gene: Polo2Bam_12 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for Polo2Bam_12:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: Polyyuki_39 Start: 23240, Stop: 23908, Start Num: 42
Candidate Starts for Polyyuki_39:
(Start: 42 @23240 has 149 MA's), (82, 23321), (98, 23378), (118, 23462), (144, 23564), (147, 23576), (174, 23663), (188, 23720), (205, 23789), (207, 23795), (211, 23807), (243, 23873), (245, 23879),

Gene: Ponzi_51 Start: 29147, Stop: 29737, Start Num: 69
Candidate Starts for Ponzi_51:
(Start: 47 @29111 has 2 MA's), (Start: 69 @29147 has 17 MA's), (111, 29300), (115, 29318), (128, 29372), (138, 29408), (179, 29546), (191, 29597), (231, 29714),

Gene: PopTart_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for PopTart_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Popper_14 Start: 8768, Stop: 9433, Start Num: 42
Candidate Starts for Popper_14:
(Start: 42 @8768 has 149 MA's), (118, 8990), (130, 9038), (133, 9050), (134, 9056), (142, 9086), (168, 9176), (184, 9239), (192, 9266), (221, 9362),

Gene: PotatoChip_23 Start: 15928, Stop: 16590, Start Num: 42
Candidate Starts for PotatoChip_23:
(Start: 42 @15928 has 149 MA's), (53, 15946), (82, 16009), (84, 16015), (144, 16249), (174, 16345), (188, 16402), (192, 16417), (245, 16561),

Gene: PrairieDogTown_13 Start: 9148, Stop: 9810, Start Num: 40
Candidate Starts for PrairieDogTown_13:
(Start: 40 @9148 has 23 MA's), (76, 9214), (99, 9286), (108, 9319), (136, 9445), (143, 9469), (245, 9781),

Gene: PrincePatrick_14 Start: 8714, Stop: 9367, Start Num: 54
Candidate Starts for PrincePatrick_14:
(Start: 38 @8684 has 1 MA's), (Start: 51 @8711 has 2 MA's), (Start: 54 @8714 has 42 MA's), (92, 8804), (96, 8819), (119, 8921), (131, 8969), (150, 9047), (157, 9071), (169, 9101), (175, 9119), (201, 9215), (236, 9299),

Gene: Pringar_45 Start: 18673, Stop: 19338, Start Num: 42
Candidate Starts for Pringar_45:
(Start: 42 @18673 has 149 MA's), (78, 18739), (107, 18832), (112, 18859), (131, 18943), (149, 19015), (190, 19162), (192, 19168), (200, 19195), (201, 19207),

Gene: Priscilla_11 Start: 7610, Stop: 8419, Start Num: 23

Candidate Starts for Priscilla_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (155, 8090), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Procrass1_11 Start: 7169, Stop: 7795, Start Num: 66
Candidate Starts for Procrass1_11:
(60, 7157), (64, 7166), (Start: 66 @7169 has 29 MA's), (96, 7262), (118, 7349), (171, 7526), (176, 7541), (201, 7634), (205, 7649), (207, 7655), (225, 7697), (232, 7715),

Gene: QueenBey_11 Start: 7157, Stop: 7789, Start Num: 66
Candidate Starts for QueenBey_11:
(Start: 58 @7145 has 3 MA's), (64, 7154), (Start: 66 @7157 has 29 MA's), (118, 7337), (127, 7373), (136, 7409), (175, 7526), (176, 7529), (205, 7637), (207, 7643), (225, 7685), (232, 7703),

Gene: QueenHazel_13 Start: 8870, Stop: 9670, Start Num: 23
Candidate Starts for QueenHazel_13:
(21, 8825), (Start: 23 @8870 has 272 MA's), (Start: 42 @8966 has 149 MA's), (76, 9029), (97, 9107), (119, 9206), (128, 9242), (195, 9518), (212, 9578), (217, 9584),

Gene: QuickMath_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for QuickMath_11:
(Start: 14 @7560 has 1 MA's), (Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (118, 7962), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (187, 8247), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Quico_12 Start: 7458, Stop: 8267, Start Num: 23
Candidate Starts for Quico_12:
(Start: 23 @7458 has 272 MA's), (24, 7470), (Start: 42 @7548 has 149 MA's), (62, 7584), (74, 7608), (76, 7614), (94, 7677), (119, 7791), (120, 7794), (121, 7797), (128, 7827), (133, 7848), (135, 7857), (148, 7911), (154, 7935), (187, 8073), (205, 8145), (212, 8166), (235, 8217), (241, 8223),

Gene: QuinnAvery_16 Start: 9252, Stop: 9920, Start Num: 42
Candidate Starts for QuinnAvery_16:
(Start: 42 @9252 has 149 MA's), (134, 9540), (168, 9660), (202, 9792), (221, 9846),

Gene: REQ2_12 Start: 7795, Stop: 8721, Start Num: 40
Candidate Starts for REQ2_12:
(28, 7759), (29, 7762), (33, 7777), (Start: 40 @7795 has 23 MA's), (Start: 57 @7822 has 46 MA's), (76, 7864), (81, 7879), (82, 7885), (110, 7975), (115, 8008), (125, 8050), (147, 8137), (207, 8359), (210, 8368), (258, 8563), (264, 8656), (267, 8674),

Gene: Rabbitrun_23 Start: 12721, Stop: 13380, Start Num: 42
Candidate Starts for Rabbitrun_23:
(Start: 42 @12721 has 149 MA's), (70, 12769), (72, 12772), (84, 12811), (90, 12832), (102, 12862), (109, 12892), (122, 12961), (127, 12979), (132, 12997), (143, 13039), (148, 13063), (202, 13255), (221, 13309), (224, 13315),

Gene: Radiance_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for Radiance_11:
(9, 7500), (Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135,

8007), (148, 8061), (187, 8223), (205, 8295), (212, 8316), (235, 8367), (241, 8373),

Gene: Raela_45 Start: 18916, Stop: 19581, Start Num: 42
Candidate Starts for Raela_45:
(Start: 42 @18916 has 149 MA's), (78, 18982), (107, 19075), (112, 19102), (131, 19186), (149, 19258), (190, 19405), (192, 19411), (200, 19438), (201, 19450),

Gene: Ramsey_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Ramsey_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (Start: 42 @7550 has 149 MA's), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (118, 7790), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (155, 7940), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: Raqqa_13 Start: 8165, Stop: 8830, Start Num: 42
Candidate Starts for Raqqa_13:
(Start: 42 @8165 has 149 MA's), (79, 8240), (84, 8258), (98, 8300), (115, 8372), (118, 8387), (134, 8453), (138, 8462), (142, 8483), (176, 8597), (190, 8657),

Gene: RedBird_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for RedBird_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: RedRaider_42 Start: 24251, Stop: 24934, Start Num: 42
Candidate Starts for RedRaider_42:
(Start: 42 @24251 has 149 MA's), (113, 24452), (144, 24584), (150, 24611), (174, 24683), (188, 24740), (205, 24809), (226, 24860), (245, 24899),

Gene: RedRaider77_45 Start: 18817, Stop: 19482, Start Num: 42
Candidate Starts for RedRaider77_45:
(Start: 42 @18817 has 149 MA's), (78, 18883), (107, 18976), (112, 19003), (131, 19087), (149, 19159), (190, 19306), (192, 19312), (200, 19339), (201, 19351),

Gene: Renaud18_12 Start: 7913, Stop: 8725, Start Num: 23
Candidate Starts for Renaud18_12:
(Start: 23 @7913 has 272 MA's), (Start: 42 @8003 has 149 MA's), (62, 8039), (115, 8228), (118, 8243), (119, 8246), (128, 8282), (137, 8318), (181, 8510), (187, 8528), (212, 8621), (226, 8648), (247, 8705),

Gene: Rialto_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Rialto_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Rileysaurus_11 Start: 7153, Stop: 7785, Start Num: 66
Candidate Starts for Rileysaurus_11:
(Start: 58 @7141 has 3 MA's), (64, 7150), (Start: 66 @7153 has 29 MA's), (96, 7246), (107, 7276), (118, 7333), (176, 7525), (179, 7534), (201, 7618), (225, 7681), (232, 7699),

Gene: Rita_11 Start: 7600, Stop: 8409, Start Num: 23

Candidate Starts for Rita_11:
(Start: 23 @7600 has 272 MA's), (24, 7612), (Start: 38 @7681 has 1 MA's), (62, 7726), (74, 7750), (76, 7756), (94, 7819), (119, 7933), (120, 7936), (128, 7969), (133, 7990), (135, 7999), (148, 8053), (155, 8080), (156, 8086), (187, 8215), (205, 8287), (212, 8308), (235, 8359), (241, 8365),

Gene: RitaG_11 Start: 7534, Stop: 8418, Start Num: 11
Candidate Starts for RitaG_11:
(Start: 11 @7534 has 3 MA's), (Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Roberts_14 Start: 8154, Stop: 8732, Start Num: 57
Candidate Starts for Roberts_14:
(Start: 57 @8154 has 46 MA's), (142, 8433), (172, 8535), (188, 8589), (237, 8721),

Gene: Rockne_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Rockne_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (205, 8313), (212, 8334), (235, 8385), (241, 8391),

Gene: RockyHorror_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for RockyHorror_12:
(Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (187, 8076), (205, 8148), (206, 8151), (212, 8169), (235, 8220), (241, 8226),

Gene: RonRayGun_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for RonRayGun_14:
(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: Ronaldo_48 Start: 17900, Stop: 18457, Start Num: 57
Candidate Starts for Ronaldo_48:
(Start: 57 @17900 has 46 MA's), (73, 17918), (93, 17981), (149, 18206), (153, 18224), (164, 18233), (175, 18272), (179, 18284), (201, 18371),

Gene: Rooter_11 Start: 7551, Stop: 8204, Start Num: 40
Candidate Starts for Rooter_11:
(Start: 40 @7551 has 23 MA's), (76, 7611), (108, 7716), (129, 7812), (131, 7821), (136, 7842), (143, 7866), (150, 7899), (245, 8178),

Gene: Royals2015_11 Start: 7629, Stop: 8438, Start Num: 23
Candidate Starts for Royals2015_11:
(5, 7431), (6, 7452), (7, 7455), (22, 7590), (Start: 23 @7629 has 272 MA's), (24, 7641), (Start: 38 @7710 has 1 MA's), (Start: 42 @7719 has 149 MA's), (62, 7755), (74, 7779), (76, 7785), (94, 7848), (118, 7959), (119, 7962), (120, 7965), (121, 7968), (128, 7998), (133, 8019), (135, 8028), (148, 8082), (187, 8244), (205, 8316), (212, 8337), (235, 8388), (241, 8394),

Gene: Ruby_11 Start: 7557, Stop: 8423, Start Num: 18

Candidate Starts for Ruby_11:
(Start: 18 @7557 has 2 MA's), (Start: 23 @7614 has 272 MA's), (24, 7626), (Start: 42 @7704 has 149 MA's), (62, 7740), (74, 7764), (76, 7770), (94, 7833), (119, 7947), (120, 7950), (121, 7953), (128, 7983), (133, 8004), (135, 8013), (148, 8067), (154, 8091), (155, 8094), (187, 8229), (205, 8301), (212, 8322), (230, 8355), (235, 8373), (241, 8379),

Gene: RunningOnE_69 Start: 34517, Stop: 35101, Start Num: 69
Candidate Starts for RunningOnE_69:
(Start: 69 @34517 has 17 MA's), (83, 34562), (109, 34658), (113, 34679), (115, 34691), (151, 34835), (191, 34967), (210, 35039), (231, 35084),

Gene: Ryadel_51 Start: 24909, Stop: 25724, Start Num: 23
Candidate Starts for Ryadel_51:
(Start: 23 @24909 has 272 MA's), (Start: 38 @24990 has 1 MA's), (94, 25131), (119, 25245), (123, 25263), (132, 25296), (139, 25326), (142, 25338), (146, 25353), (177, 25470), (204, 25596),

Gene: Ryan_16 Start: 9383, Stop: 10051, Start Num: 42
Candidate Starts for Ryan_16:
(Start: 42 @9383 has 149 MA's), (118, 9605), (134, 9671), (168, 9791), (202, 9923), (221, 9977),

Gene: SG4_11 Start: 7559, Stop: 8440, Start Num: 14
Candidate Starts for SG4_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: SKKY_11 Start: 7186, Stop: 7830, Start Num: 66
Candidate Starts for SKKY_11:
(52, 7165), (Start: 58 @7174 has 3 MA's), (64, 7183), (Start: 66 @7186 has 29 MA's), (96, 7279), (118, 7366), (127, 7402), (171, 7543), (175, 7555), (176, 7558), (192, 7612), (201, 7651), (205, 7666), (207, 7672), (225, 7714), (232, 7732),

Gene: SPB78_13 Start: 8500, Stop: 9165, Start Num: 42
Candidate Starts for SPB78_13:
(Start: 42 @8500 has 149 MA's), (50, 8518), (75, 8566), (78, 8575), (105, 8659), (117, 8713), (131, 8773), (185, 8977), (205, 9055),

Gene: Saal_11 Start: 7598, Stop: 8407, Start Num: 23
Candidate Starts for Saal_11:
(Start: 23 @7598 has 272 MA's), (24, 7610), (Start: 42 @7688 has 149 MA's), (62, 7724), (74, 7748), (76, 7754), (94, 7817), (119, 7931), (120, 7934), (121, 7937), (128, 7967), (133, 7988), (135, 7997), (148, 8051), (187, 8213), (212, 8306), (235, 8357), (241, 8363),

Gene: Sabbb_11 Start: 7614, Stop: 8423, Start Num: 23
Candidate Starts for Sabbb_11:
(Start: 18 @7557 has 2 MA's), (Start: 23 @7614 has 272 MA's), (24, 7626), (Start: 42 @7704 has 149 MA's), (62, 7740), (74, 7764), (76, 7770), (94, 7833), (119, 7947), (120, 7950), (121, 7953), (128, 7983), (133, 8004), (135, 8013), (147, 8061), (148, 8067), (155, 8094), (174, 8163), (187, 8229), (205, 8301), (212, 8322), (230, 8355), (235, 8373), (241, 8379),

Gene: Saintcarr_15 Start: 9257, Stop: 9925, Start Num: 42
Candidate Starts for Saintcarr_15:

(Start: 42 @9257 has 149 MA's), (77, 9326), (118, 9479), (134, 9545), (168, 9665), (202, 9797), (221, 9851),

Gene: Samba_14 Start: 8787, Stop: 9425, Start Num: 54
Candidate Starts for Samba_14:
(Start: 51 @8784 has 2 MA's), (Start: 54 @8787 has 42 MA's), (92, 8877), (96, 8892), (150, 9120), (157, 9144), (175, 9192), (192, 9249), (201, 9288), (236, 9372), (249, 9408),

Gene: Samy_17 Start: 9940, Stop: 10539, Start Num: 65
Candidate Starts for Samy_17:
(45, 9904), (Start: 65 @9940 has 2 MA's), (76, 9964), (88, 10006), (128, 10156), (188, 10366), (203, 10423), (204, 10429), (206, 10435), (208, 10441), (227, 10477), (244, 10510),

Gene: Sandalphon_11 Start: 7626, Stop: 8435, Start Num: 23
Candidate Starts for Sandalphon_11:
(Start: 23 @7626 has 272 MA's), (24, 7638), (Start: 42 @7716 has 149 MA's), (62, 7752), (74, 7776), (76, 7782), (94, 7845), (119, 7959), (120, 7962), (121, 7965), (128, 7995), (133, 8016), (135, 8025), (148, 8079), (155, 8106), (187, 8241), (212, 8334), (235, 8385), (241, 8391),

Gene: Sarge_12 Start: 7918, Stop: 8571, Start Num: 40
Candidate Starts for Sarge_12:
(Start: 40 @7918 has 23 MA's), (76, 7978), (108, 8083), (129, 8179), (131, 8188), (136, 8209), (143, 8233), (150, 8266), (245, 8545),

Gene: Sarma624_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Sarma624_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: Sassafras_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Sassafras_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: SassyB_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for SassyB_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Sbash_12 Start: 8452, Stop: 9249, Start Num: 23
Candidate Starts for Sbash_12:
(10, 8362), (21, 8410), (Start: 23 @8452 has 272 MA's), (Start: 38 @8539 has 1 MA's), (Start: 42 @8548 has 149 MA's), (96, 8683), (97, 8689), (119, 8788), (155, 8935), (181, 9049), (212, 9157), (217, 9163),

Gene: Schism_16 Start: 9237, Stop: 9905, Start Num: 42
Candidate Starts for Schism_16:

(Start: 42 @9237 has 149 MA's), (77, 9306), (118, 9459), (134, 9525), (168, 9645), (202, 9777), (221, 9831),

Gene: Schmidt_15 Start: 9115, Stop: 9729, Start Num: 69
Candidate Starts for Schmidt_15:
(19, 8911), (Start: 69 @9115 has 17 MA's), (87, 9166), (90, 9181), (96, 9199), (105, 9223), (119, 9289), (131, 9337), (152, 9421), (171, 9487), (179, 9511),

Gene: SchoolBus_47 Start: 23859, Stop: 24674, Start Num: 23
Candidate Starts for SchoolBus_47:
(Start: 23 @23859 has 272 MA's), (Start: 38 @23940 has 1 MA's), (94, 24081), (97, 24096), (119, 24195), (123, 24213), (139, 24276), (142, 24288), (146, 24303), (177, 24420), (204, 24546),

Gene: Schuy_48 Start: 23792, Stop: 24607, Start Num: 23
Candidate Starts for Schuy_48:
(Start: 23 @23792 has 272 MA's), (Start: 38 @23873 has 1 MA's), (94, 24014), (97, 24029), (119, 24128), (123, 24146), (139, 24209), (142, 24221), (146, 24236), (177, 24353), (204, 24479),

Gene: Scotia_14 Start: 10104, Stop: 10754, Start Num: 42
Candidate Starts for Scotia_14:
(Start: 40 @10101 has 23 MA's), (Start: 42 @10104 has 149 MA's), (76, 10161), (108, 10266), (136, 10392), (143, 10416), (144, 10422), (245, 10728),

Gene: Scottish_11 Start: 7609, Stop: 8418, Start Num: 23
Candidate Starts for Scottish_11:
(Start: 13 @7537 has 10 MA's), (Start: 18 @7552 has 2 MA's), (Start: 23 @7609 has 272 MA's), (24, 7621), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (155, 8089), (187, 8224), (205, 8296), (206, 8299), (212, 8317), (235, 8368), (241, 8374),

Gene: Scuba_44 Start: 22163, Stop: 22846, Start Num: 42
Candidate Starts for Scuba_44:
(Start: 42 @22163 has 149 MA's), (113, 22364), (131, 22445), (143, 22490), (144, 22496), (147, 22508), (174, 22595), (188, 22652), (205, 22721), (226, 22772), (240, 22802), (245, 22811),

Gene: SeaLumen_11 Start: 7606, Stop: 8415, Start Num: 23
Candidate Starts for SeaLumen_11:
(Start: 23 @7606 has 272 MA's), (24, 7618), (Start: 38 @7687 has 1 MA's), (Start: 42 @7696 has 149 MA's), (62, 7732), (74, 7756), (76, 7762), (94, 7825), (118, 7936), (119, 7939), (120, 7942), (121, 7945), (128, 7975), (133, 7996), (135, 8005), (148, 8059), (205, 8293), (212, 8314), (235, 8365), (241, 8371),

Gene: Seabastian_11 Start: 7607, Stop: 8416, Start Num: 23
Candidate Starts for Seabastian_11:
(Start: 18 @7550 has 2 MA's), (Start: 23 @7607 has 272 MA's), (24, 7619), (Start: 42 @7697 has 149 MA's), (62, 7733), (74, 7757), (76, 7763), (94, 7826), (118, 7937), (119, 7940), (120, 7943), (121, 7946), (128, 7976), (133, 7997), (135, 8006), (147, 8054), (148, 8060), (154, 8084), (187, 8222), (205, 8294), (212, 8315), (235, 8366), (241, 8372),

Gene: Seagreen_12 Start: 7462, Stop: 8271, Start Num: 23
Candidate Starts for Seagreen_12:
(Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (118, 7792), (119, 7795), (120, 7798), (121,

7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (155, 7942), (187, 8077), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Sephiroth_22 Start: 12473, Stop: 13147, Start Num: 36
Candidate Starts for Sephiroth_22:
(Start: 36 @12473 has 2 MA's), (Start: 42 @12488 has 149 MA's), (53, 12509), (67, 12530), (72, 12539), (84, 12578), (90, 12599), (109, 12659), (122, 12728), (132, 12764), (169, 12893), (177, 12917), (191, 12977), (196, 12998), (198, 13004), (221, 13076), (238, 13112),

Gene: Shauna1_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for Shauna1_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (62, 7758), (74, 7782), (76, 7788), (94, 7851), (118, 7962), (119, 7965), (120, 7968), (121, 7971), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: ShawBrad_13 Start: 7519, Stop: 8091, Start Num: 57
Candidate Starts for ShawBrad_13:
(Start: 57 @7519 has 46 MA's), (73, 7540), (81, 7561), (84, 7573), (126, 7732), (138, 7774), (145, 7807), (203, 7996), (242, 8080),

Gene: ShiLan_11 Start: 7537, Stop: 8418, Start Num: 13
Candidate Starts for ShiLan_11:
(Start: 13 @7537 has 10 MA's), (17, 7552), (Start: 23 @7609 has 272 MA's), (24, 7621), (Start: 42 @7699 has 149 MA's), (62, 7735), (74, 7759), (76, 7765), (94, 7828), (119, 7942), (120, 7945), (121, 7948), (128, 7978), (133, 7999), (135, 8008), (147, 8056), (148, 8062), (154, 8086), (187, 8224), (205, 8296), (212, 8317), (230, 8350), (235, 8368), (241, 8374),

Gene: Shida_47 Start: 23699, Stop: 24514, Start Num: 23
Candidate Starts for Shida_47:
(Start: 23 @23699 has 272 MA's), (Start: 38 @23780 has 1 MA's), (94, 23921), (97, 23936), (119, 24035), (123, 24053), (139, 24116), (142, 24128), (146, 24143), (177, 24260), (204, 24386),

Gene: ShowerHandel_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for ShowerHandel_11:
(Start: 13 @7538 has 10 MA's), (17, 7553), (Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (147, 8057), (148, 8063), (154, 8087), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Shoya_11 Start: 7554, Stop: 8207, Start Num: 40
Candidate Starts for Shoya_11:
(Start: 40 @7554 has 23 MA's), (76, 7614), (108, 7719), (129, 7815), (131, 7824), (136, 7845), (143, 7869), (150, 7902), (245, 8181),

Gene: ShroomBoi_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for ShroomBoi_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: SiSi_11 Start: 7618, Stop: 8427, Start Num: 23

Candidate Starts for SiSi_11:
(Start: 23 @7618 has 272 MA's), (24, 7630), (Start: 38 @7699 has 1 MA's), (Start: 42 @7708 has 149 MA's), (74, 7768), (76, 7774), (94, 7837), (116, 7936), (119, 7951), (120, 7954), (128, 7987), (133, 8008), (135, 8017), (148, 8071), (187, 8233), (205, 8305), (212, 8326), (235, 8377), (241, 8383),

Gene: SilverChicken_14 Start: 7679, Stop: 8272, Start Num: 59
Candidate Starts for SilverChicken_14:
(Start: 59 @7679 has 19 MA's), (73, 7697), (109, 7814), (117, 7853), (133, 7919), (142, 7952), (145, 7964), (150, 7988), (175, 8060), (178, 8069), (180, 8081), (185, 8093), (192, 8117), (196, 8135),

Gene: SimranZ1_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for SimranZ1_12:
(Start: 23 @7460 has 272 MA's), (24, 7472), (Start: 42 @7550 has 149 MA's), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (118, 7790), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (155, 7940), (187, 8075), (205, 8147), (212, 8168), (235, 8219), (241, 8225),

Gene: Skitty_12 Start: 7019, Stop: 7681, Start Num: 42
Candidate Starts for Skitty_12:
(Start: 42 @7019 has 149 MA's), (77, 7088), (82, 7106), (84, 7112), (118, 7241), (133, 7301), (142, 7337), (150, 7373), (153, 7385), (168, 7424), (190, 7508),

Gene: Skysand_37 Start: 22464, Stop: 23147, Start Num: 42
Candidate Starts for Skysand_37:
(Start: 42 @22464 has 149 MA's), (113, 22665), (144, 22797), (150, 22824), (174, 22896), (188, 22953), (205, 23022), (226, 23073), (245, 23112),

Gene: Slim_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Slim_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Smooch_49 Start: 24987, Stop: 25802, Start Num: 23
Candidate Starts for Smooch_49:
(Start: 23 @24987 has 272 MA's), (Start: 38 @25068 has 1 MA's), (94, 25209), (97, 25224), (119, 25323), (123, 25341), (139, 25404), (142, 25416), (146, 25431), (177, 25548), (204, 25674),

Gene: Smoothie_43 Start: 17914, Stop: 18579, Start Num: 42
Candidate Starts for Smoothie_43:
(Start: 42 @17914 has 149 MA's), (85, 18004), (179, 18361), (221, 18514),

Gene: Soilmate_14 Start: 8578, Stop: 9216, Start Num: 54
Candidate Starts for Soilmate_14:
(Start: 51 @8575 has 2 MA's), (Start: 54 @8578 has 42 MA's), (92, 8668), (96, 8683), (111, 8749), (132, 8836), (150, 8911), (157, 8935), (175, 8983), (192, 9040), (201, 9079), (236, 9163), (249, 9199),

Gene: Solid_11 Start: 7163, Stop: 7783, Start Num: 66
Candidate Starts for Solid_11:
(Start: 59 @7151 has 19 MA's), (64, 7160), (Start: 66 @7163 has 29 MA's), (96, 7256), (118, 7343), (175, 7532), (176, 7535), (179, 7544), (201, 7628), (205, 7643), (207, 7649), (225, 7691), (232, 7709),

Gene: Soul22_14 Start: 7679, Stop: 8272, Start Num: 59
Candidate Starts for Soul22_14:

(26, 7577), (Start: 59 @7679 has 19 MA's), (73, 7697), (109, 7814), (117, 7853), (133, 7919), (142, 7952), (145, 7964), (150, 7988), (175, 8060), (176, 8063), (180, 8081), (185, 8093), (192, 8117), (196, 8135),

Gene: Sparkdehlily_11 Start: 7624, Stop: 8433, Start Num: 23
Candidate Starts for Sparkdehlily_11:
(Start: 13 @7552 has 10 MA's), (Start: 18 @7567 has 2 MA's), (Start: 23 @7624 has 272 MA's), (24, 7636), (Start: 42 @7714 has 149 MA's), (62, 7750), (74, 7774), (76, 7780), (94, 7843), (119, 7957), (120, 7960), (121, 7963), (128, 7993), (133, 8014), (135, 8023), (148, 8077), (155, 8104), (187, 8239), (205, 8311), (212, 8332), (235, 8383), (241, 8389),

Gene: Sparky_11 Start: 8045, Stop: 8707, Start Num: 47
Candidate Starts for Sparky_11:
(Start: 47 @8045 has 2 MA's), (63, 8066), (105, 8195), (115, 8243), (125, 8285), (132, 8312), (135, 8327), (175, 8459), (192, 8528), (245, 8678),

Gene: Spartacus_11 Start: 7617, Stop: 8426, Start Num: 23
Candidate Starts for Spartacus_11:
(Start: 23 @7617 has 272 MA's), (24, 7629), (Start: 38 @7698 has 1 MA's), (Start: 42 @7707 has 149 MA's), (62, 7743), (74, 7767), (76, 7773), (94, 7836), (118, 7947), (119, 7950), (120, 7953), (121, 7956), (128, 7986), (133, 8007), (135, 8016), (148, 8070), (205, 8304), (212, 8325), (235, 8376), (241, 8382),

Gene: Spartoi_11 Start: 7044, Stop: 7571, Start Num: 57
Candidate Starts for Spartoi_11:
(Start: 57 @7044 has 46 MA's), (89, 7104), (134, 7290), (136, 7296), (192, 7458), (227, 7563),

Gene: SpeedDemon_250 Start: 15649, Stop: 16305, Start Num: 42
Candidate Starts for SpeedDemon_250:
(27, 15592), (Start: 42 @15649 has 149 MA's), (73, 15700), (78, 15715), (150, 15994),

Gene: Spikelee_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for Spikelee_12:
(Start: 11 @7386 has 3 MA's), (Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: Splinter_17 Start: 10694, Stop: 11284, Start Num: 69
Candidate Starts for Splinter_17:
(Start: 69 @10694 has 17 MA's), (81, 10727), (90, 10760), (96, 10778), (117, 10856), (178, 11090), (179, 11093), (187, 11120), (205, 11192),

Gene: Spooks_57 Start: 33105, Stop: 33695, Start Num: 69
Candidate Starts for Spooks_57:
(Start: 57 @33087 has 46 MA's), (Start: 69 @33105 has 17 MA's), (93, 33183), (118, 33291), (128, 33330), (133, 33351), (141, 33381), (151, 33423), (179, 33510), (186, 33543), (187, 33546), (191, 33561),

Gene: Spooky_13 Start: 7512, Stop: 8081, Start Num: 57
Candidate Starts for Spooky_13:
(Start: 57 @7512 has 46 MA's), (73, 7533), (81, 7554), (84, 7566), (126, 7725), (138, 7767), (145, 7800), (180, 7908), (203, 7989),

Gene: Spoonbill_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Spoonbill_11:
(Start: 18 @7553 has 2 MA's), (Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (154, 8087), (155, 8090), (187, 8225), (205, 8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Squiddly_14 Start: 8181, Stop: 8753, Start Num: 57
Candidate Starts for Squiddly_14:
(Start: 57 @8181 has 46 MA's), (73, 8202), (81, 8223), (84, 8235), (126, 8394), (138, 8436), (145, 8469), (203, 8658), (242, 8742),

Gene: Squirty_12 Start: 7454, Stop: 8263, Start Num: 23
Candidate Starts for Squirty_12:
(Start: 23 @7454 has 272 MA's), (24, 7466), (Start: 42 @7544 has 149 MA's), (62, 7580), (74, 7604), (76, 7610), (94, 7673), (119, 7787), (120, 7790), (121, 7793), (128, 7823), (133, 7844), (135, 7853), (148, 7907), (187, 8069), (205, 8141), (212, 8162), (228, 8192), (235, 8213), (241, 8219),

Gene: StAnnes_11 Start: 7632, Stop: 8441, Start Num: 23
Candidate Starts for StAnnes_11:
(Start: 23 @7632 has 272 MA's), (24, 7644), (Start: 38 @7713 has 1 MA's), (Start: 42 @7722 has 149 MA's), (74, 7782), (76, 7788), (94, 7851), (119, 7965), (120, 7968), (128, 8001), (133, 8022), (135, 8031), (148, 8085), (187, 8247), (205, 8319), (212, 8340), (235, 8391), (241, 8397),

Gene: Stap_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for Stap_12:
(9, 7353), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (148, 7914), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: StarStruck_36 Start: 22001, Stop: 22684, Start Num: 42
Candidate Starts for StarStruck_36:
(Start: 42 @22001 has 149 MA's), (113, 22202), (144, 22334), (174, 22433), (177, 22442), (188, 22490), (205, 22559), (245, 22649),

Gene: Starcevich_12 Start: 7390, Stop: 8271, Start Num: 13
Candidate Starts for Starcevich_12:
(Start: 13 @7390 has 10 MA's), (17, 7405), (Start: 23 @7462 has 272 MA's), (24, 7474), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (187, 8077), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Stellammi_10 Start: 6989, Stop: 7576, Start Num: 57
Candidate Starts for Stellammi_10:
(43, 6965), (Start: 57 @6989 has 46 MA's), (84, 7043), (100, 7094), (114, 7151), (138, 7244), (142, 7265), (150, 7301), (159, 7328), (164, 7340), (169, 7361), (173, 7370), (196, 7460), (205, 7496), (207, 7502), (209, 7508), (220, 7535),

Gene: Stickynote_25 Start: 16738, Stop: 17400, Start Num: 42
Candidate Starts for Stickynote_25:
(Start: 42 @16738 has 149 MA's), (53, 16756), (82, 16819), (84, 16825), (144, 17059), (174, 17155), (188, 17212), (192, 17227), (245, 17371),

Gene: Stormborn_11 Start: 7159, Stop: 7797, Start Num: 66
Candidate Starts for Stormborn_11:
(Start: 58 @7147 has 3 MA's), (64, 7156), (Start: 66 @7159 has 29 MA's), (118, 7339), (175, 7528), (176, 7531), (192, 7585), (201, 7624), (205, 7639), (207, 7645), (225, 7687), (232, 7705),

Gene: Strokeseat_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for Strokeseat_11:
(Start: 18 @7542 has 2 MA's), (Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 42 @7689 has 149 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (118, 7929), (119, 7932), (120, 7935), (121, 7938), (128, 7968), (133, 7989), (135, 7998), (147, 8046), (148, 8052), (154, 8076), (155, 8079), (187, 8214), (205, 8286), (212, 8307), (230, 8340), (235, 8358), (241, 8364),

Gene: Stuck_12 Start: 8470, Stop: 9267, Start Num: 23
Candidate Starts for Stuck_12:
(10, 8380), (21, 8428), (Start: 23 @8470 has 272 MA's), (Start: 42 @8566 has 149 MA's), (96, 8701), (119, 8806), (155, 8953), (181, 9067), (212, 9175), (217, 9181),

Gene: Studio_14 Start: 7913, Stop: 8494, Start Num: 57
Candidate Starts for Studio_14:
(Start: 57 @7913 has 46 MA's), (172, 8294), (188, 8348), (237, 8480),

Gene: Success_58 Start: 32224, Stop: 32814, Start Num: 69
Candidate Starts for Success_58:
(Start: 57 @32206 has 46 MA's), (Start: 69 @32224 has 17 MA's), (109, 32362), (128, 32449), (133, 32470), (151, 32542), (158, 32563), (179, 32629), (186, 32662), (187, 32665), (191, 32680),

Gene: Sukkupi_37 Start: 21116, Stop: 21796, Start Num: 42
Candidate Starts for Sukkupi_37:
(Start: 42 @21116 has 149 MA's), (112, 21311), (131, 21395), (144, 21446), (174, 21545), (188, 21602), (205, 21671), (226, 21722), (245, 21761),

Gene: SuperGrey_11 Start: 7599, Stop: 8408, Start Num: 23
Candidate Starts for SuperGrey_11:
(Start: 23 @7599 has 272 MA's), (24, 7611), (Start: 38 @7680 has 1 MA's), (62, 7725), (74, 7749), (76, 7755), (94, 7818), (119, 7932), (120, 7935), (128, 7968), (133, 7989), (135, 7998), (148, 8052), (155, 8079), (156, 8085), (187, 8214), (205, 8286), (212, 8307), (235, 8358), (241, 8364),

Gene: SuperSulley_36 Start: 22185, Stop: 22868, Start Num: 42
Candidate Starts for SuperSulley_36:
(Start: 42 @22185 has 149 MA's), (113, 22386), (144, 22518), (174, 22617), (177, 22626), (188, 22674), (205, 22743), (245, 22833),

Gene: Supernova_11 Start: 7163, Stop: 7804, Start Num: 66
Candidate Starts for Supernova_11:
(Start: 59 @7151 has 19 MA's), (64, 7160), (Start: 66 @7163 has 29 MA's), (96, 7256), (107, 7286), (118, 7343), (127, 7379), (175, 7532), (176, 7535), (192, 7589), (201, 7628), (205, 7643), (207, 7649), (225, 7691), (232, 7709),

Gene: SwagPigglett_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for SwagPigglett_11:
(Start: 13 @7538 has 10 MA's), (17, 7553), (Start: 23 @7610 has 272 MA's), (24, 7622), (Start: 42 @7700 has 149 MA's), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (147, 8057), (148, 8063), (154, 8087), (187, 8225), (205,

8297), (212, 8318), (230, 8351), (235, 8369), (241, 8375),

Gene: Syleon_22 Start: 12411, Stop: 13070, Start Num: 42
Candidate Starts for Syleon_22:
(Start: 36 @12396 has 2 MA's), (Start: 42 @12411 has 149 MA's), (53, 12432), (67, 12453), (72, 12462), (84, 12501), (90, 12522), (102, 12552), (109, 12582), (122, 12651), (132, 12687), (169, 12816), (177, 12840), (191, 12900), (196, 12921), (198, 12927), (221, 12999), (238, 13035),

Gene: TChen_12 Start: 8033, Stop: 8845, Start Num: 23
Candidate Starts for TChen_12:
(Start: 23 @8033 has 272 MA's), (Start: 42 @8123 has 149 MA's), (62, 8159), (115, 8348), (118, 8363), (119, 8366), (137, 8438), (155, 8513), (181, 8630), (187, 8648), (212, 8741), (226, 8768), (247, 8825),

Gene: TDanisky_11 Start: 7624, Stop: 8433, Start Num: 23
Candidate Starts for TDanisky_11:
(Start: 13 @7552 has 10 MA's), (Start: 18 @7567 has 2 MA's), (Start: 23 @7624 has 272 MA's), (24, 7636), (Start: 42 @7714 has 149 MA's), (62, 7750), (74, 7774), (76, 7780), (94, 7843), (119, 7957), (120, 7960), (121, 7963), (128, 7993), (133, 8014), (135, 8023), (148, 8077), (155, 8104), (187, 8239), (205, 8311), (212, 8332), (235, 8383), (241, 8389),

Gene: TMaxx_14 Start: 8024, Stop: 8605, Start Num: 57
Candidate Starts for TMaxx_14:
(Start: 57 @8024 has 46 MA's), (75, 8051), (184, 8447),

Gene: TZGordon_19 Start: 10836, Stop: 11426, Start Num: 69
Candidate Starts for TZGordon_19:
(Start: 69 @10836 has 17 MA's), (81, 10869), (90, 10902), (96, 10920), (147, 11121), (178, 11232), (179, 11235), (187, 11262), (205, 11334),

Gene: Taj_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Taj_11:
(Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Tchotchke_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for Tchotchke_12:
(Start: 13 @7389 has 10 MA's), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (Start: 42 @7551 has 149 MA's), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (147, 7908), (148, 7914), (155, 7941), (187, 8076), (205, 8148), (206, 8151), (212, 8169), (235, 8220), (241, 8226),

Gene: TelAviv_44 Start: 23853, Stop: 24668, Start Num: 23
Candidate Starts for TelAviv_44:
(Start: 23 @23853 has 272 MA's), (Start: 38 @23934 has 1 MA's), (94, 24075), (97, 24090), (119, 24189), (123, 24207), (139, 24270), (142, 24282), (146, 24297), (177, 24414), (204, 24540),

Gene: Tesla_44 Start: 18666, Stop: 19331, Start Num: 42
Candidate Starts for Tesla_44:
(Start: 42 @18666 has 149 MA's), (78, 18732), (107, 18825), (112, 18852), (131, 18936), (149, 19008), (190, 19155), (192, 19161), (200, 19188), (201, 19200),

Gene: ThetaBob_12 Start: 7916, Stop: 8728, Start Num: 23
Candidate Starts for ThetaBob_12:
(Start: 23 @7916 has 272 MA's), (Start: 42 @8006 has 149 MA's), (62, 8042), (115, 8231), (118, 8246), (119, 8249), (137, 8321), (155, 8396), (181, 8513), (187, 8531), (212, 8624), (226, 8651), (247, 8708),

Gene: TinaLin_20 Start: 11401, Stop: 11997, Start Num: 69
Candidate Starts for TinaLin_20:
(Start: 69 @11401 has 17 MA's), (96, 11485), (105, 11509), (117, 11563), (147, 11686), (178, 11797), (179, 11800), (180, 11809), (187, 11827), (197, 11866), (215, 11917),

Gene: Toast_14 Start: 8626, Stop: 9306, Start Num: 38
Candidate Starts for Toast_14:
(Start: 38 @8626 has 1 MA's), (Start: 51 @8653 has 2 MA's), (Start: 54 @8656 has 42 MA's), (92, 8746), (96, 8761), (119, 8863), (131, 8911), (150, 8989), (157, 9013), (169, 9043), (175, 9061), (201, 9157), (236, 9241),

Gene: ToastyOats_18 Start: 9715, Stop: 10383, Start Num: 42
Candidate Starts for ToastyOats_18:
(Start: 42 @9715 has 149 MA's), (134, 10003), (168, 10123), (202, 10255), (221, 10309),

Gene: Toniann_42 Start: 17859, Stop: 18524, Start Num: 42
Candidate Starts for Toniann_42:
(Start: 42 @17859 has 149 MA's), (85, 17949), (179, 18306), (221, 18459),

Gene: Toodles_16 Start: 9447, Stop: 10112, Start Num: 42
Candidate Starts for Toodles_16:
(Start: 42 @9447 has 149 MA's), (105, 9606), (130, 9717), (134, 9735), (168, 9855), (214, 10026), (221, 10041),

Gene: TootsiePop_12 Start: 7464, Stop: 8273, Start Num: 23
Candidate Starts for TootsiePop_12:
(Start: 18 @7407 has 2 MA's), (Start: 23 @7464 has 272 MA's), (24, 7476), (Start: 42 @7554 has 149 MA's), (62, 7590), (74, 7614), (76, 7620), (94, 7683), (119, 7797), (120, 7800), (121, 7803), (128, 7833), (133, 7854), (135, 7863), (148, 7917), (155, 7944), (187, 8079), (205, 8151), (212, 8172), (235, 8223), (241, 8229),

Gene: Tootsieroll_12 Start: 7461, Stop: 8270, Start Num: 23
Candidate Starts for Tootsieroll_12:
(9, 7353), (Start: 18 @7404 has 2 MA's), (Start: 23 @7461 has 272 MA's), (24, 7473), (62, 7587), (74, 7611), (76, 7617), (94, 7680), (119, 7794), (120, 7797), (121, 7800), (128, 7830), (133, 7851), (135, 7860), (148, 7914), (187, 8076), (205, 8148), (212, 8169), (235, 8220), (241, 8226),

Gene: Topiatin_13 Start: 8283, Stop: 9092, Start Num: 23
Candidate Starts for Topiatin_13:
(Start: 23 @8283 has 272 MA's), (24, 8295), (Start: 38 @8364 has 1 MA's), (Start: 42 @8373 has 149 MA's), (74, 8433), (76, 8439), (94, 8502), (119, 8616), (120, 8619), (121, 8622), (128, 8652), (133, 8673), (135, 8682), (148, 8736), (187, 8898), (205, 8970), (212, 8991), (235, 9042), (241, 9048),

Gene: Toron_12 Start: 8033, Stop: 8845, Start Num: 23
Candidate Starts for Toron_12:
(Start: 23 @8033 has 272 MA's), (32, 8099), (Start: 42 @8123 has 149 MA's), (62, 8159), (115, 8348), (118, 8363), (119, 8366), (137, 8438), (154, 8510), (181, 8630), (187, 8648), (212, 8741), (247, 8825),

Gene: Totinger_12 Start: 7463, Stop: 8272, Start Num: 23
Candidate Starts for Totinger_12:
(Start: 23 @7463 has 272 MA's), (24, 7475), (Start: 42 @7553 has 149 MA's), (62, 7589), (74, 7613), (76, 7619), (94, 7682), (118, 7793), (119, 7796), (120, 7799), (121, 7802), (128, 7832), (133, 7853), (135, 7862), (148, 7916), (187, 8078), (205, 8150), (212, 8171), (235, 8222), (241, 8228),

Gene: Towmatter_22 Start: 13548, Stop: 14204, Start Num: 42
Candidate Starts for Towmatter_22:
(27, 13491), (Start: 42 @13548 has 149 MA's), (56, 13569), (73, 13599), (133, 13824), (163, 13926), (194, 14046), (221, 14133), (223, 14136), (226, 14142),

Gene: Tracker_35 Start: 21197, Stop: 21880, Start Num: 42
Candidate Starts for Tracker_35:
(Start: 42 @21197 has 149 MA's), (53, 21215), (91, 21308), (112, 21395), (113, 21398), (144, 21530), (174, 21629), (188, 21686), (205, 21755), (216, 21785), (226, 21806), (245, 21845),

Gene: Trax_21 Start: 12158, Stop: 12817, Start Num: 42
Candidate Starts for Trax_21:
(Start: 42 @12158 has 149 MA's), (70, 12206), (72, 12209), (90, 12269), (102, 12299), (122, 12398), (127, 12416), (132, 12434), (143, 12476), (147, 12494), (148, 12500), (182, 12617), (198, 12674), (203, 12695), (221, 12746), (224, 12752),

Gene: TripleC_17 Start: 11530, Stop: 12108, Start Num: 57
Candidate Starts for TripleC_17:
(Start: 57 @11530 has 46 MA's), (75, 11557), (184, 11953), (213, 12058),

Gene: Turuncu_39 Start: 22468, Stop: 23151, Start Num: 42
Candidate Starts for Turuncu_39:
(Start: 42 @22468 has 149 MA's), (113, 22669), (144, 22801), (174, 22900), (182, 22939), (188, 22957), (205, 23026), (226, 23077), (245, 23116),

Gene: Tweety_11 Start: 7633, Stop: 8442, Start Num: 23
Candidate Starts for Tweety_11:
(Start: 23 @7633 has 272 MA's), (24, 7645), (Start: 38 @7714 has 1 MA's), (Start: 42 @7723 has 149 MA's), (74, 7783), (76, 7789), (94, 7852), (119, 7966), (120, 7969), (121, 7972), (128, 8002), (133, 8023), (135, 8032), (148, 8086), (187, 8248), (205, 8320), (212, 8341), (235, 8392), (241, 8398),

Gene: UmaThurman_14 Start: 8786, Stop: 9424, Start Num: 54
Candidate Starts for UmaThurman_14:
(Start: 51 @8783 has 2 MA's), (Start: 54 @8786 has 42 MA's), (92, 8876), (96, 8891), (132, 9044), (150, 9119), (157, 9143), (175, 9191), (192, 9248), (201, 9287), (236, 9371), (249, 9407),

Gene: UncleRicky_12 Start: 7390, Stop: 8271, Start Num: 13
Candidate Starts for UncleRicky_12:
(Start: 13 @7390 has 10 MA's), (Start: 18 @7405 has 2 MA's), (Start: 23 @7462 has 272 MA's), (24, 7474), (Start: 38 @7543 has 1 MA's), (Start: 42 @7552 has 149 MA's), (62, 7588), (74, 7612), (76, 7618), (94, 7681), (118, 7792), (119, 7795), (120, 7798), (121, 7801), (128, 7831), (133, 7852), (135, 7861), (148, 7915), (205, 8149), (212, 8170), (235, 8221), (241, 8227),

Gene: Utz_14 Start: 8653, Stop: 9291, Start Num: 54
Candidate Starts for Utz_14:
(Start: 51 @8650 has 2 MA's), (Start: 54 @8653 has 42 MA's), (92, 8743), (96, 8758), (132, 8911), (150, 8986), (157, 9010), (175, 9058), (192, 9115), (201, 9154), (236, 9238), (249, 9274),

Gene: VRedHorse_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for VRedHorse_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (147, 8058), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (206, 8301), (212, 8319), (235, 8370), (241, 8376),

Gene: Vagabond_47 Start: 23686, Stop: 24501, Start Num: 23
Candidate Starts for Vagabond_47:
(Start: 23 @23686 has 272 MA's), (Start: 38 @23767 has 1 MA's), (94, 23908), (97, 23923), (119, 24022), (123, 24040), (139, 24103), (142, 24115), (146, 24130), (177, 24247), (204, 24373),

Gene: VanLee_14 Start: 8706, Stop: 9605, Start Num: 40
Candidate Starts for VanLee_14:
(Start: 40 @8706 has 23 MA's), (86, 8796), (98, 8841), (100, 8850), (188, 9183), (248, 9357), (260, 9480), (266, 9573),

Gene: VasuNzinga_45 Start: 18250, Stop: 18915, Start Num: 42
Candidate Starts for VasuNzinga_45:
(Start: 42 @18250 has 149 MA's), (78, 18316), (107, 18409), (112, 18436), (131, 18520), (149, 18592), (190, 18739), (192, 18745), (200, 18772), (201, 18784),

Gene: Velveteen_12 Start: 7460, Stop: 8269, Start Num: 23
Candidate Starts for Velveteen_12:
(Start: 18 @7403 has 2 MA's), (Start: 23 @7460 has 272 MA's), (24, 7472), (62, 7586), (74, 7610), (76, 7616), (94, 7679), (119, 7793), (120, 7796), (121, 7799), (128, 7829), (133, 7850), (135, 7859), (148, 7913), (187, 8075), (212, 8168), (235, 8219), (241, 8225),

Gene: Vendetta_17 Start: 10694, Stop: 11284, Start Num: 69
Candidate Starts for Vendetta_17:
(Start: 69 @10694 has 17 MA's), (81, 10727), (90, 10760), (96, 10778), (117, 10856), (178, 11090), (179, 11093), (187, 11120), (205, 11192),

Gene: Veteran_11 Start: 7625, Stop: 8434, Start Num: 23
Candidate Starts for Veteran_11:
(8, 7517), (17, 7568), (Start: 23 @7625 has 272 MA's), (24, 7637), (Start: 38 @7706 has 1 MA's), (62, 7751), (74, 7775), (76, 7781), (94, 7844), (119, 7958), (120, 7961), (121, 7964), (128, 7994), (133, 8015), (135, 8024), (148, 8078), (187, 8240), (205, 8312), (212, 8333), (235, 8384), (241, 8390),

Gene: Violac_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Violac_11:
(Start: 18 @7554 has 2 MA's), (Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (155, 8091), (187, 8226), (205, 8298), (212, 8319), (230, 8352), (235, 8370), (241, 8376),

Gene: Vivum_11 Start: 7610, Stop: 8419, Start Num: 23
Candidate Starts for Vivum_11:
(Start: 23 @7610 has 272 MA's), (24, 7622), (62, 7736), (74, 7760), (76, 7766), (94, 7829), (119, 7943), (120, 7946), (121, 7949), (128, 7979), (133, 8000), (135, 8009), (148, 8063), (187, 8225), (205, 8297), (212, 8318), (235, 8369), (241, 8375),

Gene: Volt_47 Start: 17900, Stop: 18457, Start Num: 57
Candidate Starts for Volt_47:
(Start: 57 @17900 has 46 MA's), (73, 17918), (93, 17981), (149, 18206), (153, 18224), (164, 18233), (175, 18272), (179, 18284), (201, 18371),

Gene: Vorrps_46 Start: 23445, Stop: 24260, Start Num: 23
Candidate Starts for Vorrps_46:
(Start: 23 @23445 has 272 MA's), (Start: 38 @23526 has 1 MA's), (94, 23667), (97, 23682), (119, 23781), (123, 23799), (139, 23862), (142, 23874), (146, 23889), (177, 24006), (204, 24132),

Gene: Wachhund_11 Start: 7602, Stop: 8411, Start Num: 23
Candidate Starts for Wachhund_11:
(Start: 18 @7545 has 2 MA's), (Start: 23 @7602 has 272 MA's), (24, 7614), (Start: 42 @7692 has 149 MA's), (62, 7728), (74, 7752), (76, 7758), (94, 7821), (119, 7935), (120, 7938), (121, 7941), (128, 7971), (133, 7992), (135, 8001), (147, 8049), (148, 8055), (155, 8082), (187, 8217), (205, 8289), (212, 8310), (235, 8361), (241, 8367),

Gene: Walrus_15 Start: 8881, Stop: 9519, Start Num: 54
Candidate Starts for Walrus_15:
(Start: 51 @8878 has 2 MA's), (Start: 54 @8881 has 42 MA's), (92, 8971), (96, 8986), (111, 9052), (132, 9139), (150, 9214), (157, 9238), (175, 9286), (192, 9343), (201, 9382), (236, 9466), (249, 9502),

Gene: Wee_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Wee_11:
(Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (74, 7781), (76, 7787), (94, 7850), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Whack_12 Start: 7754, Stop: 8692, Start Num: 40
Candidate Starts for Whack_12:
(30, 7721), (34, 7736), (Start: 40 @7754 has 23 MA's), (81, 7841), (82, 7847), (101, 7904), (147, 8099), (150, 8114), (194, 8267), (202, 8303), (210, 8330), (211, 8333), (219, 8351), (255, 8495), (258, 8534),

Gene: Whatsapiecost_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for Whatsapiecost_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (116, 7949), (119, 7964), (120, 7967), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Wheezy_35 Start: 21402, Stop: 22085, Start Num: 42
Candidate Starts for Wheezy_35:
(Start: 42 @21402 has 149 MA's), (53, 21420), (91, 21513), (112, 21600), (113, 21603), (144, 21735), (174, 21834), (188, 21891), (205, 21960), (216, 21990), (226, 22011), (245, 22050),

Gene: Whitney_13 Start: 7496, Stop: 8068, Start Num: 57
Candidate Starts for Whitney_13:
(Start: 57 @7496 has 46 MA's), (73, 7517), (81, 7538), (84, 7550), (126, 7709), (138, 7751), (145, 7784), (203, 7973), (242, 8057),

Gene: Whitty_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for Whitty_14:

(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: WhoseManz_37 Start: 19168, Stop: 19848, Start Num: 42
Candidate Starts for WhoseManz_37:
(Start: 42 @19168 has 149 MA's), (112, 19363), (131, 19447), (144, 19498), (150, 19525), (174, 19597), (188, 19654), (205, 19723), (226, 19774), (245, 19813),

Gene: Whouxphf_11 Start: 7602, Stop: 8411, Start Num: 23
Candidate Starts for Whouxphf_11:
(Start: 18 @7545 has 2 MA's), (Start: 23 @7602 has 272 MA's), (24, 7614), (62, 7728), (74, 7752), (76, 7758), (94, 7821), (119, 7935), (120, 7938), (121, 7941), (128, 7971), (133, 7992), (135, 8001), (148, 8055), (154, 8079), (155, 8082), (187, 8217), (205, 8289), (212, 8310), (235, 8361), (241, 8367),

Gene: Wildflower_47 Start: 23431, Stop: 24246, Start Num: 23
Candidate Starts for Wildflower_47:
(Start: 23 @23431 has 272 MA's), (Start: 38 @23512 has 1 MA's), (94, 23653), (97, 23668), (119, 23767), (123, 23785), (139, 23848), (142, 23860), (146, 23875), (177, 23992), (204, 24118),

Gene: WillSterrel_11 Start: 7617, Stop: 8426, Start Num: 23
Candidate Starts for WillSterrel_11:
(Start: 23 @7617 has 272 MA's), (24, 7629), (Start: 38 @7698 has 1 MA's), (Start: 42 @7707 has 149 MA's), (62, 7743), (74, 7767), (76, 7773), (94, 7836), (118, 7947), (119, 7950), (120, 7953), (121, 7956), (128, 7986), (133, 8007), (135, 8016), (148, 8070), (205, 8304), (212, 8325), (235, 8376), (241, 8382),

Gene: William_14 Start: 8602, Stop: 9252, Start Num: 54
Candidate Starts for William_14:
(Start: 38 @8572 has 1 MA's), (Start: 51 @8599 has 2 MA's), (Start: 54 @8602 has 42 MA's), (92, 8692), (96, 8707), (119, 8809), (131, 8857), (150, 8935), (157, 8959), (169, 8989), (175, 9007), (201, 9103), (236, 9187),

Gene: WilliamBoone_42 Start: 17223, Stop: 17888, Start Num: 42
Candidate Starts for WilliamBoone_42:
(Start: 42 @17223 has 149 MA's), (135, 17523), (150, 17583), (179, 17670),

Gene: Winget_48 Start: 24125, Stop: 24940, Start Num: 23
Candidate Starts for Winget_48:
(Start: 23 @24125 has 272 MA's), (Start: 38 @24206 has 1 MA's), (94, 24347), (97, 24362), (119, 24461), (123, 24479), (139, 24542), (142, 24554), (146, 24569), (177, 24686), (204, 24812),

Gene: Wisp_13 Start: 8419, Stop: 9057, Start Num: 54
Candidate Starts for Wisp_13:
(Start: 51 @8416 has 2 MA's), (Start: 54 @8419 has 42 MA's), (92, 8509), (96, 8524), (111, 8590), (132, 8677), (150, 8752), (157, 8776), (175, 8824), (192, 8881), (201, 8920), (236, 9004), (249, 9040),

Gene: Wizzo_11 Start: 7174, Stop: 7815, Start Num: 66
Candidate Starts for Wizzo_11:
(Start: 39 @7126 has 1 MA's), (Start: 42 @7132 has 149 MA's), (44, 7135), (50, 7150), (56, 7156), (Start: 59 @7162 has 19 MA's), (64, 7171), (Start: 66 @7174 has 29 MA's), (96, 7267), (118, 7354), (127, 7390), (175, 7543), (176, 7546), (192, 7600), (201, 7639), (205, 7654), (207, 7660), (225, 7702), (232, 7720),

Gene: Wocket_15 Start: 8904, Stop: 9542, Start Num: 54
Candidate Starts for Wocket_15:
(Start: 51 @8901 has 2 MA's), (Start: 54 @8904 has 42 MA's), (92, 8994), (96, 9009), (111, 9075), (140, 9195), (150, 9237), (157, 9261), (175, 9309), (201, 9405), (236, 9489), (249, 9525),

Gene: Wogge42_46 Start: 23764, Stop: 24579, Start Num: 23
Candidate Starts for Wogge42_46:
(Start: 23 @23764 has 272 MA's), (Start: 38 @23845 has 1 MA's), (94, 23986), (97, 24001), (109, 24046), (119, 24100), (123, 24118), (139, 24181), (142, 24193), (146, 24208), (177, 24325), (204, 24451),

Gene: XFactor_11 Start: 7631, Stop: 8440, Start Num: 23
Candidate Starts for XFactor_11:
(Start: 14 @7559 has 1 MA's), (Start: 23 @7631 has 272 MA's), (24, 7643), (Start: 38 @7712 has 1 MA's), (Start: 42 @7721 has 149 MA's), (62, 7757), (74, 7781), (76, 7787), (94, 7850), (118, 7961), (119, 7964), (120, 7967), (121, 7970), (128, 8000), (133, 8021), (135, 8030), (148, 8084), (187, 8246), (205, 8318), (212, 8339), (235, 8390), (241, 8396),

Gene: Xula_12 Start: 8498, Stop: 9298, Start Num: 23
Candidate Starts for Xula_12:
(Start: 20 @8447 has 1 MA's), (Start: 23 @8498 has 272 MA's), (Start: 42 @8594 has 149 MA's), (76, 8657), (97, 8735), (119, 8834), (128, 8870), (195, 9146), (212, 9206), (217, 9212),

Gene: Yndexa_37 Start: 21116, Stop: 21796, Start Num: 42
Candidate Starts for Yndexa_37:
(Start: 42 @21116 has 149 MA's), (112, 21311), (131, 21395), (144, 21446), (174, 21545), (188, 21602), (205, 21671), (226, 21722), (245, 21761),

Gene: Yonex_16 Start: 9383, Stop: 10051, Start Num: 42
Candidate Starts for Yonex_16:
(Start: 42 @9383 has 149 MA's), (118, 9605), (134, 9671), (168, 9791), (202, 9923), (221, 9977),

Gene: Yorick_11 Start: 7608, Stop: 8417, Start Num: 23
Candidate Starts for Yorick_11:
(Start: 13 @7536 has 10 MA's), (Start: 18 @7551 has 2 MA's), (Start: 23 @7608 has 272 MA's), (24, 7620), (Start: 42 @7698 has 149 MA's), (62, 7734), (74, 7758), (76, 7764), (94, 7827), (119, 7941), (120, 7944), (121, 7947), (128, 7977), (133, 7998), (135, 8007), (147, 8055), (148, 8061), (155, 8088), (187, 8223), (205, 8295), (212, 8316), (230, 8349), (235, 8367), (241, 8373),

Gene: Yoshi_14 Start: 7678, Stop: 8271, Start Num: 59
Candidate Starts for Yoshi_14:
(Start: 59 @7678 has 19 MA's), (73, 7696), (109, 7813), (117, 7852), (133, 7918), (142, 7951), (145, 7963), (150, 7987), (175, 8059), (178, 8068), (180, 8080), (185, 8092), (192, 8116), (196, 8134),

Gene: YoyoKar_45 Start: 23409, Stop: 24224, Start Num: 23
Candidate Starts for YoyoKar_45:
(Start: 23 @23409 has 272 MA's), (Start: 38 @23490 has 1 MA's), (94, 23631), (97, 23646), (119, 23745), (123, 23763), (139, 23826), (142, 23838), (146, 23853), (177, 23970), (204, 24096),

Gene: YungJamal_50 Start: 24164, Stop: 24979, Start Num: 23
Candidate Starts for YungJamal_50:

(Start: 23 @24164 has 272 MA's), (Start: 38 @24245 has 1 MA's), (94, 24386), (97, 24401), (119, 24500), (123, 24518), (139, 24581), (142, 24593), (146, 24608), (177, 24725), (204, 24851),

Gene: Yvonnetastic_39 Start: 19249, Stop: 19914, Start Num: 42
Candidate Starts for Yvonnetastic_39:
(Start: 42 @19249 has 149 MA's), (87, 19342), (107, 19411), (150, 19600), (160, 19627), (211, 19816),

Gene: Zaheer_16 Start: 9472, Stop: 10140, Start Num: 42
Candidate Starts for Zaheer_16:
(Start: 42 @9472 has 149 MA's), (77, 9541), (118, 9694), (134, 9760), (168, 9880), (221, 10066),

Gene: Zakhe101_47 Start: 23575, Stop: 24390, Start Num: 23
Candidate Starts for Zakhe101_47:
(Start: 23 @23575 has 272 MA's), (Start: 38 @23656 has 1 MA's), (94, 23797), (97, 23812), (119, 23911), (123, 23929), (139, 23992), (142, 24004), (146, 24019), (177, 24136), (204, 24262),

Gene: Zapner_15 Start: 8203, Stop: 8796, Start Num: 59
Candidate Starts for Zapner_15:
(Start: 59 @8203 has 19 MA's), (73, 8221), (109, 8338), (117, 8377), (133, 8443), (142, 8476), (145, 8488), (150, 8512), (175, 8584), (178, 8593), (180, 8605), (185, 8617), (192, 8641), (196, 8659),

Gene: Zarbodnamra_14 Start: 8678, Stop: 9316, Start Num: 54
Candidate Starts for Zarbodnamra_14:
(Start: 51 @8675 has 2 MA's), (Start: 54 @8678 has 42 MA's), (92, 8768), (96, 8783), (132, 8936), (150, 9011), (157, 9035), (175, 9083), (192, 9140), (201, 9179), (236, 9263), (249, 9299),

Gene: Zebo_47 Start: 23859, Stop: 24674, Start Num: 23
Candidate Starts for Zebo_47:
(Start: 23 @23859 has 272 MA's), (Start: 38 @23940 has 1 MA's), (94, 24081), (97, 24096), (119, 24195), (123, 24213), (139, 24276), (142, 24288), (146, 24303), (177, 24420), (204, 24546),

Gene: ZenTime222_14 Start: 9882, Stop: 10814, Start Num: 42
Candidate Starts for ZenTime222_14:
(Start: 42 @9882 has 149 MA's), (50, 9897), (95, 10002), (106, 10047), (151, 10245), (175, 10320), (192, 10389), (199, 10413), (238, 10524), (256, 10635), (257, 10653), (259, 10668), (262, 10707), (263, 10725), (265, 10764),

Gene: Zerg_11 Start: 7611, Stop: 8420, Start Num: 23
Candidate Starts for Zerg_11:
(Start: 23 @7611 has 272 MA's), (24, 7623), (Start: 42 @7701 has 149 MA's), (62, 7737), (74, 7761), (76, 7767), (94, 7830), (119, 7944), (120, 7947), (121, 7950), (128, 7980), (133, 8001), (135, 8010), (148, 8064), (155, 8091), (187, 8226), (212, 8319), (235, 8370), (241, 8376),

Gene: ZiggyZoo_13 Start: 8448, Stop: 9086, Start Num: 54
Candidate Starts for ZiggyZoo_13:
(Start: 51 @8445 has 2 MA's), (Start: 54 @8448 has 42 MA's), (92, 8538), (96, 8553), (111, 8619), (132, 8706), (150, 8781), (157, 8805), (175, 8853), (192, 8910), (201, 8949), (236, 9033), (249, 9069),

Gene: Ziko_48 Start: 17840, Stop: 18397, Start Num: 57
Candidate Starts for Ziko_48:
(Start: 57 @17840 has 46 MA's), (73, 17858), (93, 17921), (149, 18146), (153, 18164), (164, 18173), (175, 18212), (179, 18224), (201, 18311),

Gene: Zilla_14 Start: 8728, Stop: 9366, Start Num: 54
Candidate Starts for Zilla_14:
(Start: 51 @8725 has 2 MA's), (Start: 54 @8728 has 42 MA's), (92, 8818), (96, 8833), (111, 8899), (132, 8986), (150, 9061), (157, 9085), (175, 9133), (192, 9190), (201, 9229), (236, 9313), (249, 9349),

Gene: Zion_23 Start: 15926, Stop: 16588, Start Num: 42
Candidate Starts for Zion_23:
(Start: 42 @15926 has 149 MA's), (53, 15944), (82, 16007), (84, 16013), (144, 16247), (174, 16343), (188, 16400), (192, 16415), (245, 16559),

Gene: Zizzle_11 Start: 7612, Stop: 8421, Start Num: 23
Candidate Starts for Zizzle_11:
(Start: 13 @7540 has 10 MA's), (17, 7555), (Start: 23 @7612 has 272 MA's), (24, 7624), (Start: 42 @7702 has 149 MA's), (62, 7738), (74, 7762), (76, 7768), (94, 7831), (119, 7945), (120, 7948), (121, 7951), (128, 7981), (133, 8002), (135, 8011), (147, 8059), (148, 8065), (154, 8089), (187, 8227), (205, 8299), (212, 8320), (230, 8353), (235, 8371), (241, 8377),

Gene: Zucker_14 Start: 8546, Stop: 9211, Start Num: 42
Candidate Starts for Zucker_14:
(Start: 42 @8546 has 149 MA's), (67, 8591), (79, 8621), (108, 8714), (109, 8717), (117, 8756), (129, 8807), (162, 8927), (221, 9137), (234, 9167),