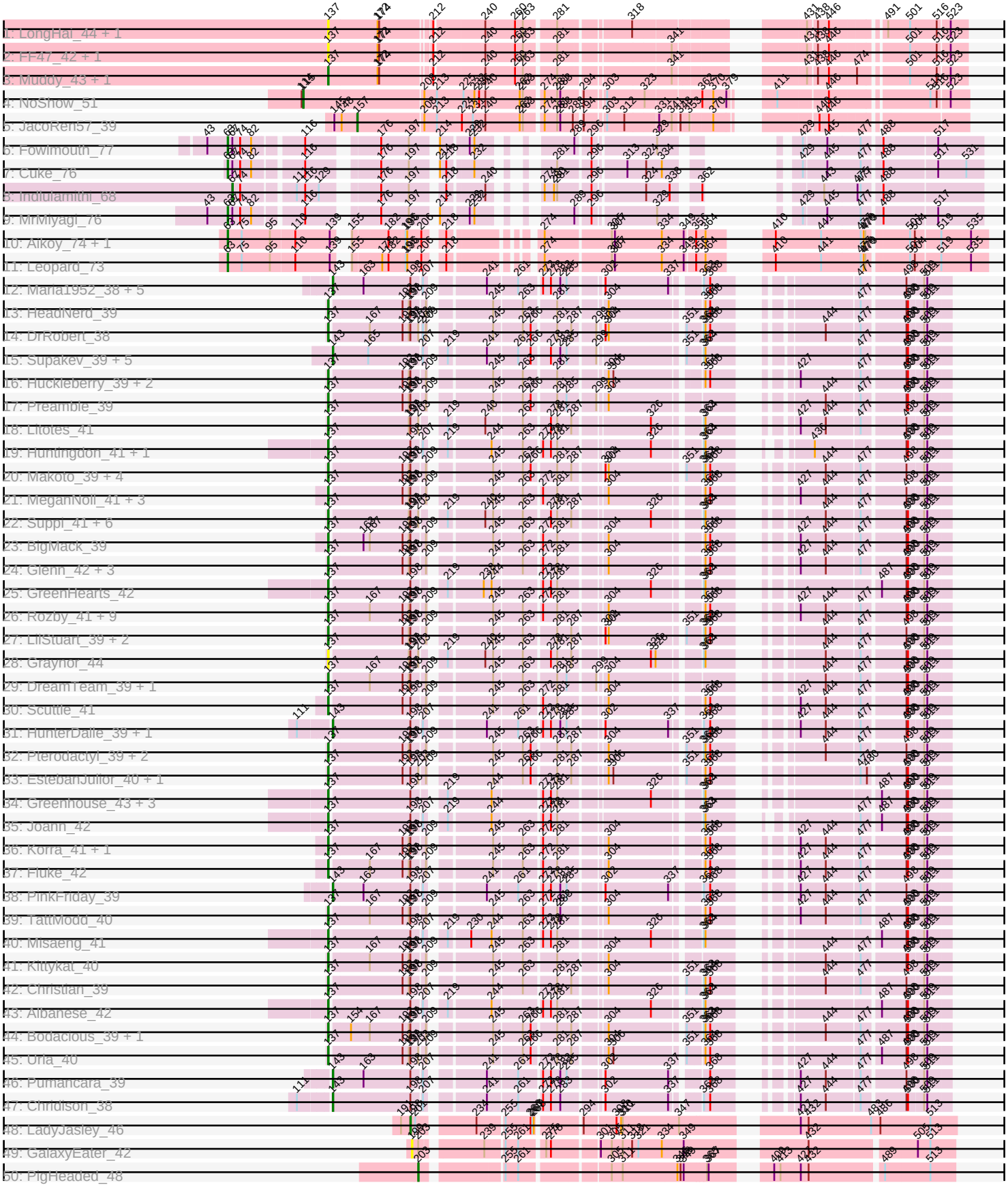
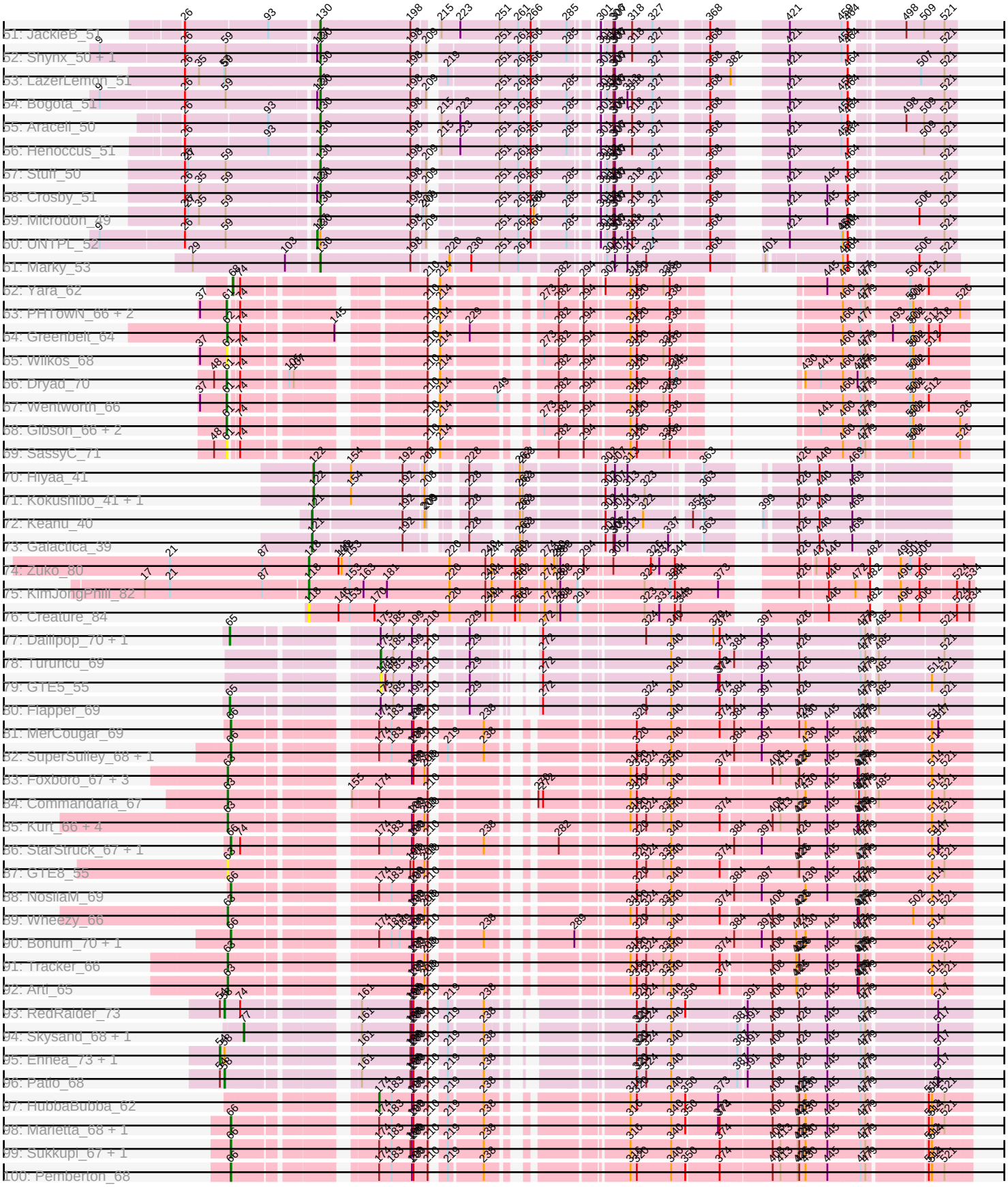
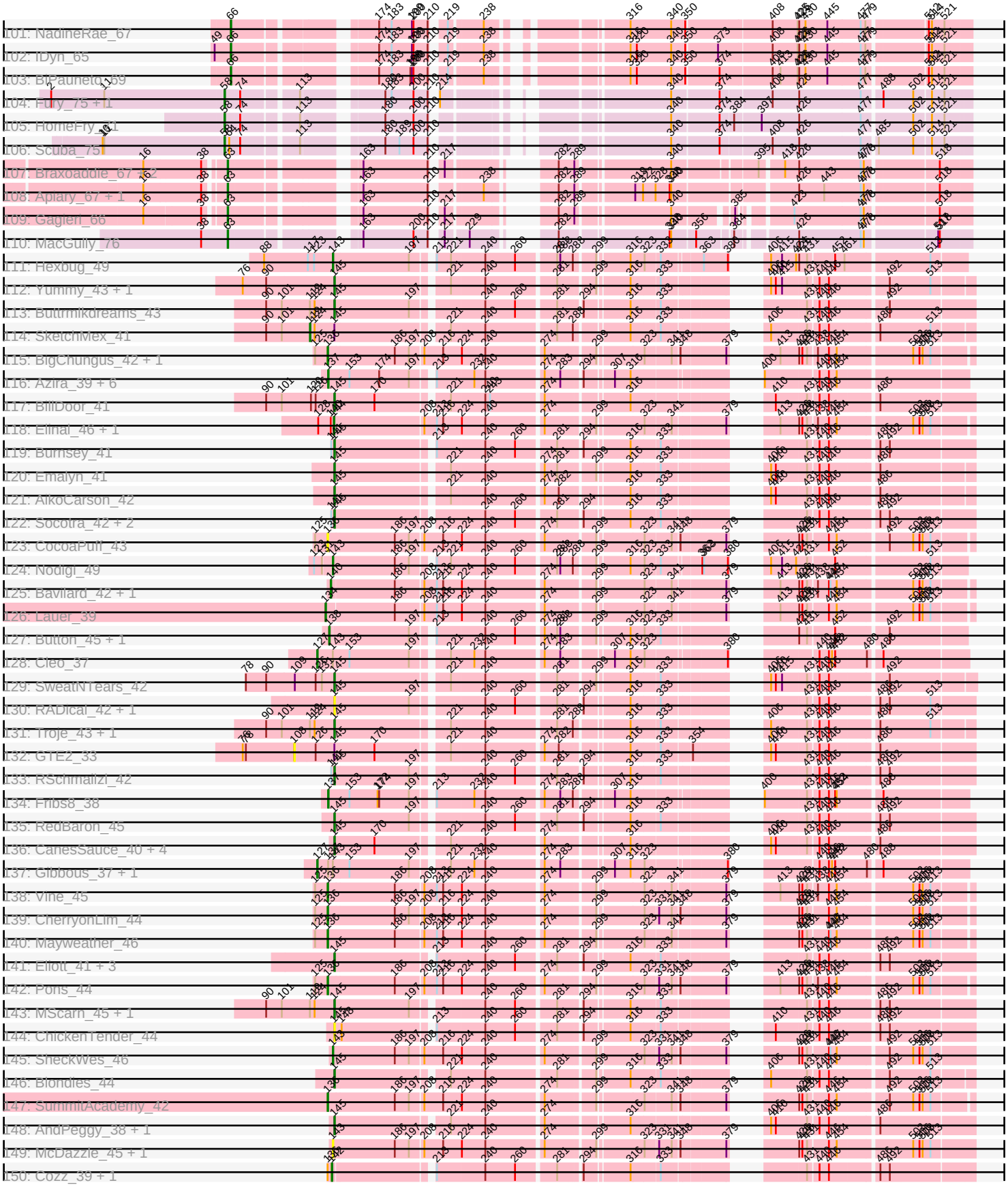
Pham 347038


1: LongHal_44 + 1
2: FF47_42 + 1
3: Muddy_43 + 1
4: NoShow_51
5: JacoRen57_39
6: Fowlmouth_77
7: Cuke_76
8: Indulamithi_68
9: MrMiyagi_76
10: Alkoy_74 + 1
11: Leopard_73
12: Maria1952_38 + 5
13: HeadNerd_39
14: DrRobert_38
15: Supakev_39 + 5
16: Huckleberry_39 + 2
17: Preamble_39
18: Litotes_41
19: Huntingdon_41 + 1
20: Makoto_39 + 4
21: MeganNoll_41 + 3
22: Suppi_41 + 6
23: BigMack_39
24: Glenn_42 + 3
25: GreenHearts_42
26: Rozby_41 + 9
27: LilStuart_39 + 2
28: Graynor_44
29: DreamTeam_39 + 1
30: Scuttle_41
31: HunterDalle_39 + 1
32: Pterodactyl_39 + 2
33: EstebanJulior_40 + 1
34: Greenhouse_43 + 3
35: Joann_42
36: Korra_41 + 1
37: Fluke_42
38: PinkFriday_39
39: TattModd_40
40: Misaeng_41
41: Kittykat_40
42: Christian_39
43: Albanese_42
44: Bodacious_39 + 1
45: Orla_40
46: Pumancara_39
47: Chrudson_38
48: LadyJasley_46
49: GalaxyEater_42
50: PigHeaded_48

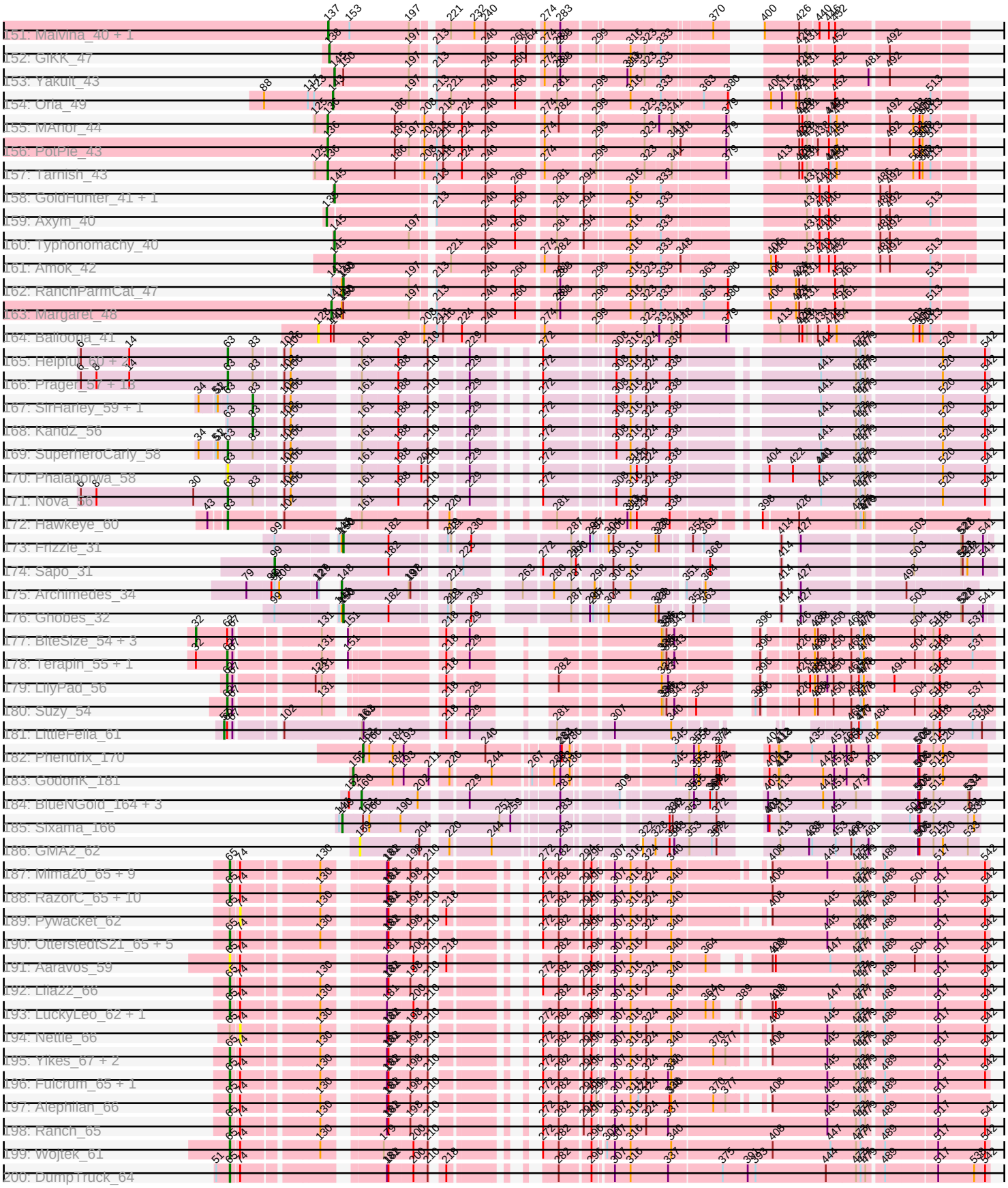
Pham 347038



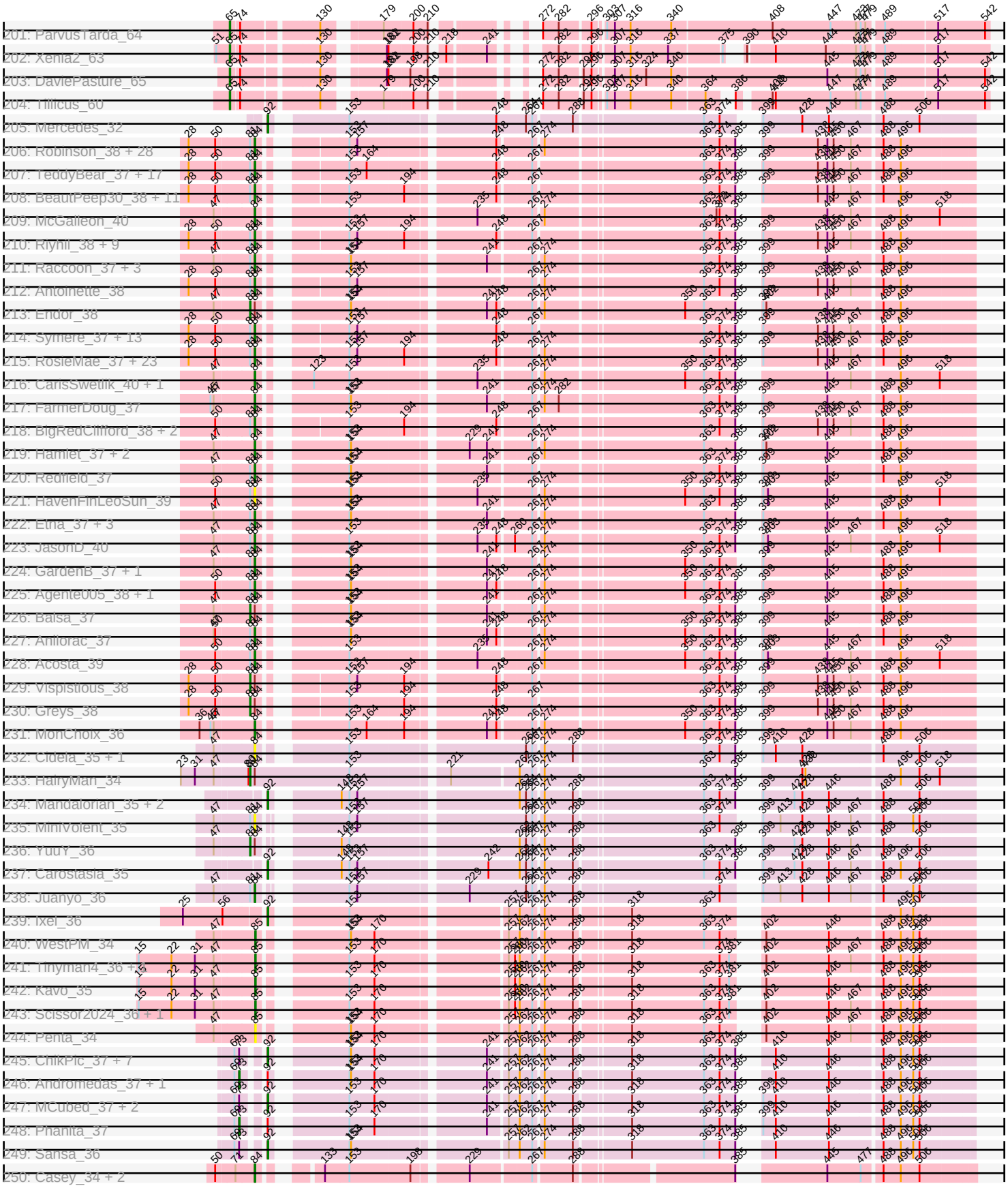
Pham 347038



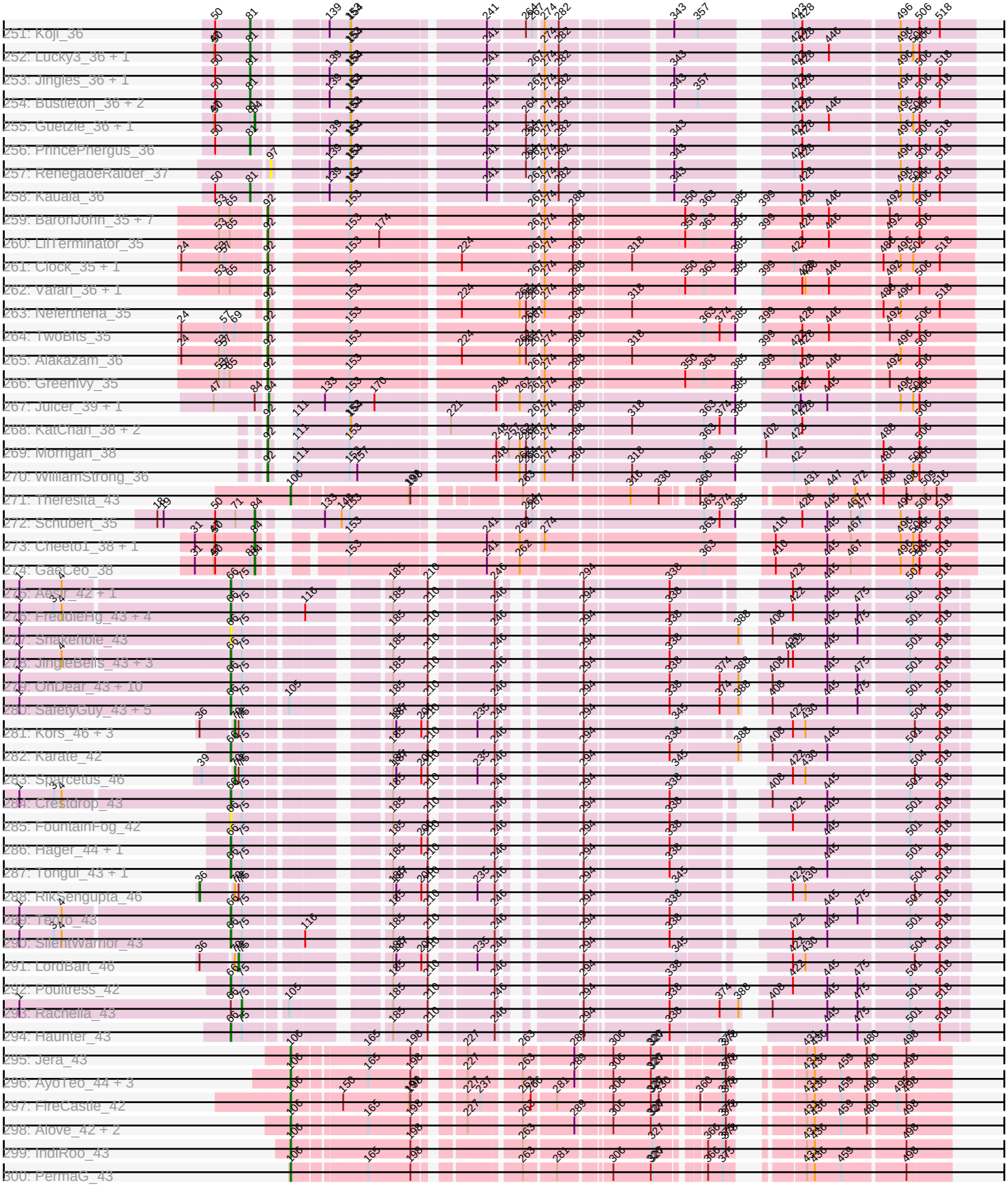
Pham 347038


151: Malvina_40 + 1
152: GiKK_47
153: Yakult_43
154: Orla_49
155: MAnor_44
156: PotPie_43
157: Tarnish_43
158: GoldHunter_41 + 1
159: Axym_40
160: Typhonomachy_40
161: Amok_42
162: RanchParmCat_47
163: Margaret_48
164: Ballooga_41
165: Helpful_60 + 2
166: Pragen_57 + 16
167: SirHarley_59 + 1
168: KandZ_56
169: SuperHeroCarly_58
170: Phalaphriya_58
171: Nova_56
172: Hawkeye_60
173: Frizzle_31
174: Sapo_31
175: Archimedes_34
176: Ghobes_32
177: BiteSize_54 + 3
178: Terapin_55 + 1
179: LilyPad_56
180: Suzy_54
181: LittleFella_61
182: Phendrix_170
183: GodonK_181
184: BlueNGold_164 + 3
185: Sixama_166
186: GMA2_62
187: Mima20_65 + 9
188: RazorC_65 + 10
189: Pywacket_62
190: OtterstedtS21_65 + 5
191: Aaravos_59
192: Lila22_66
193: LuckyLeo_62 + 1
194: Nettie_66
195: Yikes_67 + 2
196: Fulcrum_65 + 1
197: Alephilan_66
198: Ranch_65
199: Wojtek_61
200: DumpTruck_64

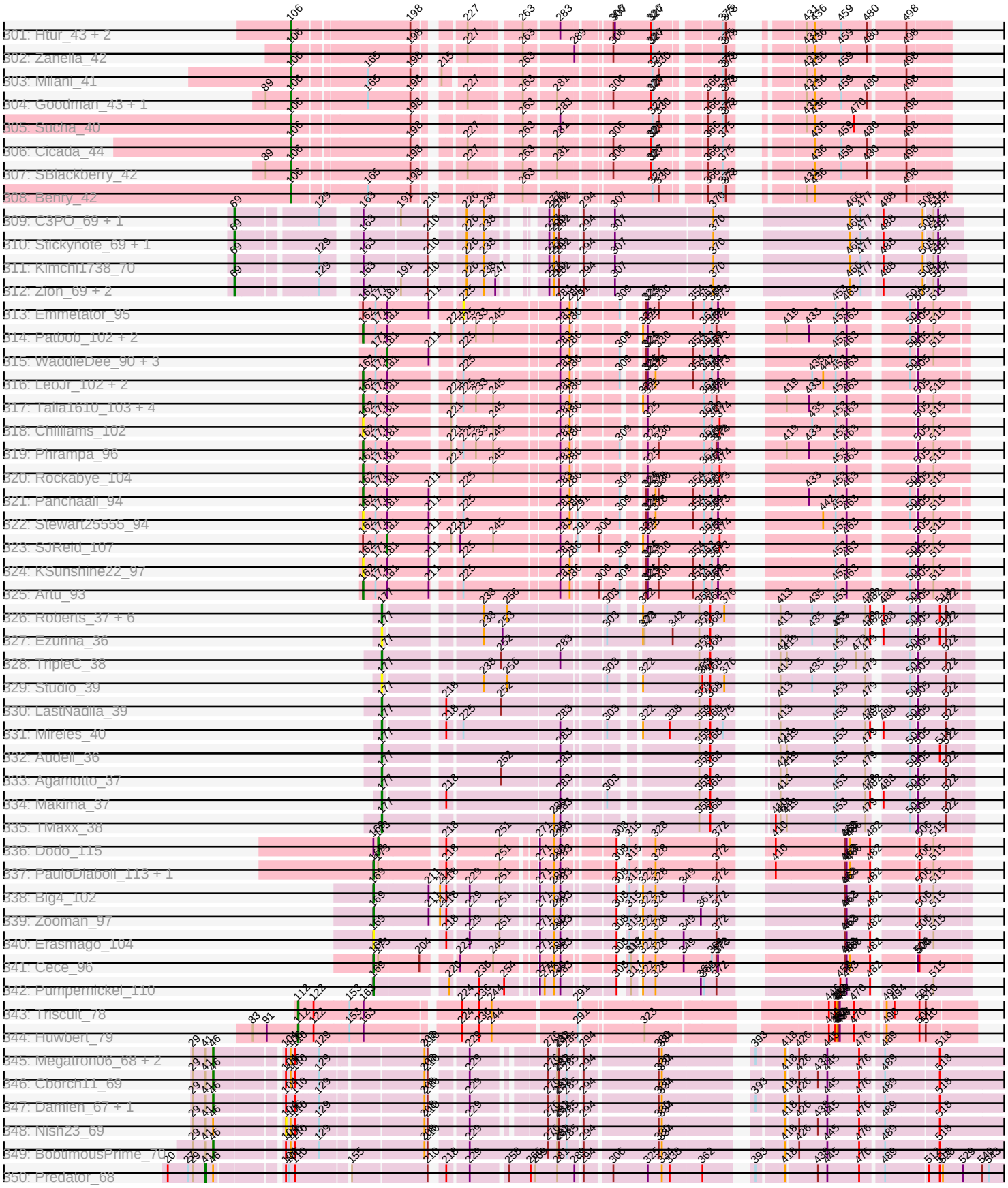
Pham 347038



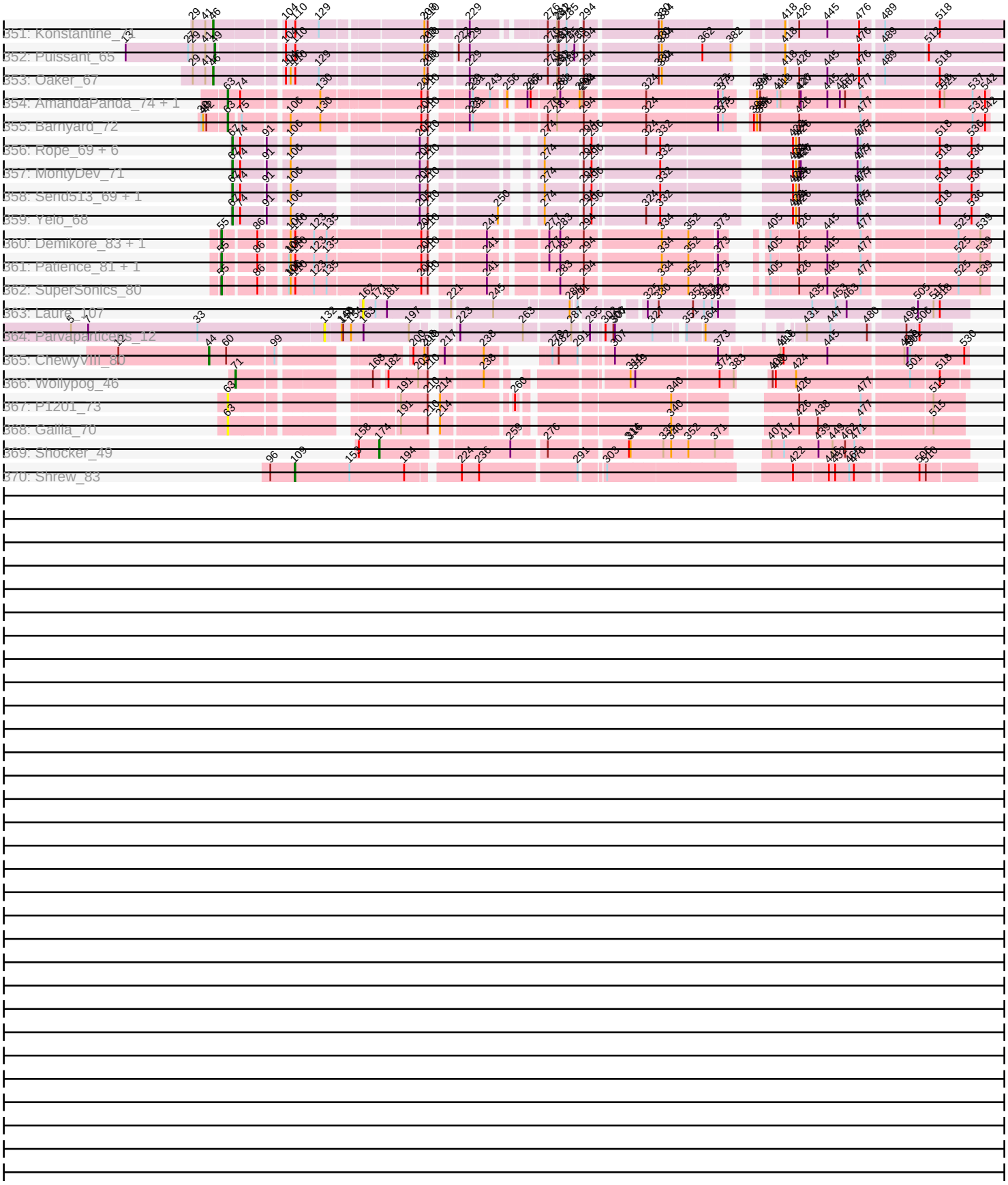
Pham 347038


251: Koji_36
252: Lucky3_36 + 1
253: Jingles_36 + 1
254: Bustleton_36 + 2
255: Guetzle_36 + 1
256: PrincePhergus_36
257: RenegadeRaider_37
258: Kauala_36
259: BaronJohn_35 + 7
260: LilTerminator_35
261: Clock_35 + 1
262: Valari_36 + 1
263: Nefertheha_35
264: TwoBits_35
265: Alakazam_36
266: Greenivy_35
267: Juicer_39 + 1
268: KatChan_38 + 2
269: Morrigan_38
270: WilliamStrong_36
271: Theresita_43
272: Schubert_35
273: Cheeto1_38 + 1
274: GaaCeo_38
275: Aesir_42 + 1
276: FreddieHg_43 + 4
277: Snakehole_43
278: JingleBells_43 + 3
279: OhDear_43 + 10
280: SafetyGuy_43 + 5
281: Kors_46 + 3
282: Karate_42
283: Sharcetus_46
284: Crestdrop_43
285: FountainFog_42
286: Hager_44 + 1
287: Tongui_43 + 1
288: RikSengupta_46
289: Tedto_43
290: SilentWarrior_43
291: LordBart_46
292: Poultress_42
293: Rachella_43
294: Haunter_43
295: Jera_43
296: AyoTeo_44 + 3
297: FireCastle_42
298: Alove_42 + 2
299: IndiRoo_43
300: PermaG_43

Pham 347038


301: Htur_43 + 2
302: Zanella_42
303: Milani_41
304: Goodman_43 + 1
305: Sucha_40
306: Cicada_44
307: SBlackberry_42
308: Benry_42
309: C3PO_69 + 1
310: Stickynote_69 + 1
311: Kimchi1738_70
312: Zion_69 + 2
313: Emmetator_95
314: Patbob_102 + 2
315: WaddleDee_90 + 3
316: LeoJr_102 + 2
317: Talia1610_103 + 4
318: Chilliams_102
319: Phrampa_96
320: Rockabye_104
321: Panchaali_94
322: Stewart25555_94
323: SJReid_107
324: KSunshine22_97
325: Artu_93
326: Roberts_37 + 6
327: Ezurina_36
328: TripleC_38
329: Studio_39
330: LastNadila_39
331: Mireles_40
332: Audell_36
333: Agamotto_37
334: Makima_37
335: TMaxx_38
336: Dodo_115
337: PatioDiaboli_113 + 1
338: Big4_102
339: Zooman_97
340: Erasmago_104
341: Cece_96
342: Pumpernickel_110
343: Triscuit_78
344: Huwbert_79
345: Megatron06_68 + 2
346: Cborch11_69
347: Damien_67 + 1
348: Nish23_69
349: BobtimousPrime_70
350: Predator_68

Pham 347038


351: Konstantine_71
352: Puissant_65
353: Oaker_67
354: AmandaPanda_74 + 1
355: Barnyard_72
356: Rope_69 + 6
357: MontyDev_71
358: Send513_69 + 1
359: Yelo_68
360: Demikore_83 + 1
361: Patience_81 + 1
362: SuperSonics_80
363: Laura_107
364: Parvapanticeps_12
365: ChewyVIII_80
366: Wollypog_46
367: P1201_73
368: Galla_70
369: Shocker_49
370: Shrew_83

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 347038 Report

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

Pham number 347038 has 749 members, 80 are drafts.

Phages represented in each track:
• Track 1 : LongHai_44, Salvus_44
• Track 2 : FF47_42, 8UZL_43
• Track 3 : Muddy_43, Maco6_41
• Track 4 : NoShow_51
• Track 5 : JacoRen57_39
• Track 6 : Fowlmouth_77
• Track 7 : Cuke_76
• Track 8 : Indlulamithi_68
• Track 9 : MrMiyagi_76
• Track 10 : Aikoy_74, Onyinye_74
• Track 11 : Leopard_73
• Track 12 : Maria1952_38, Herb_39, Temper16_39, Daiboju_39, Sergei_39, KingBob_39
• Track 13 : HeadNerd_39
• Track 14 : DrRobert_38
• Track 15 : Supakev_39, AustinPowers_39, Eunoia_39, Riovina_39, OMalley_39, Aledel_39
• Track 16 : Huckleberry_39, Moki_39, Bennie_39
• Track 17 : Preamble_39
• Track 18 : Litotes_41
• Track 19 : Huntingdon_41, RcigaStruga_41
• Track 20 : Makoto_39, PitaDog_39, Lennox_39, Lucy_39, WonderBoy_38
• Track 21 : MeganNoll_41, Dino_42, Zorro_42, RAP15_42
• Track 22 : Suppi_41, MrBoss_43, PartyCup_42, Wayne_41, CallieOMalley_41, AppleCider_41, Canowicakte_41
• Track 23 : BigMack_39
• Track 24 : Glenn_42, Savage2526_42, Jumboset_42, MrGloopy_42
• Track 25 : GreenHearts_42
• Track 26 : Rozby_41, Riverdale_42, Kalizoi_41, Carpal_41, Beethoven_41, Immaculata_41, Cholula_41, Vallejo_42, BrotherBLo_41, Potatoes_41
• Track 27 : LilStuart_39, CristinaYang_39, ChewChew_39
• Track 28 : Graynor_44
• Track 29 : DreamTeam_39, Gisselle_39
• Track 30 : Scuttle_41
• Track 31 : HunterDalle_39, Vulture_39
• Track 32 : Pterodactyl_39, Lasagna_38, OurGirlNessie_38
• Track 33 : EstebanJulior_40, MamaPearl_40

• Track 34 : Greenhouse_43, Lakshmi_42, Oxynfrius_42, Nubia_42
• Track 35 : Joann_42
• Track 36 : Korra_41, Wawa_41
• Track 37 : Fluke_42
• Track 38 : PinkFriday_39
• Track 39 : TattModd_40
• Track 40 : Misaeng_41
• Track 41 : Kittykat_40
• Track 42 : Christian_39
• Track 43 : Albanese_42
• Track 44 : Bodacious_39, Nancia_39
• Track 45 : Urla_40
• Track 46 : Pumancara_39
• Track 47 : Chridison_38
• Track 48 : LadyJasley_46
• Track 49 : GalaxyEater_42
• Track 50 : PigHeaded_48
• Track 51 : JackieB_51
• Track 52 : Shynx_50, Intolerant_48
• Track 53 : LazerLemon_51
• Track 54 : Bogota_51
• Track 55 : Araceli_50
• Track 56 : Henoccus_51
• Track 57 : Stuff_50
• Track 58 : Crosby_51
• Track 59 : Microdon_49
• Track 60 : UNTPL_52
• Track 61 : Marky_53
• Track 62 : Yara_62
• Track 63 : PHTowN_66, ShakeNBake_66, Lizz_66
• Track 64 : Greenbelt_64
• Track 65 : Wilkos_68
• Track 66 : Dryad_70
• Track 67 : Wentworth_66
• Track 68 : Gibson_66, Rooney_66, Virizion_71
• Track 69 : SassyC_71
• Track 70 : Hiyaa_41
• Track 71 : Kokushibo_41, Spocter_40
• Track 72 : Keanu_40
• Track 73 : Galactica_39
• Track 74 : Zuko_80
• Track 75 : KimJongPhill_82
• Track 76 : Creature_84
• Track 77 : Dalilpop_70, GRU1_55
• Track 78 : Turuncu_69
• Track 79 : GTE5_55
• Track 80 : Flapper_69
• Track 81 : MerCougar_69
• Track 82 : SuperSulley_68, Buggaboo_68
• Track 83 : Foxboro_67, Phomeo_66, Jifall16_66, KidneyBean_67
• Track 84 : Commandaria_67
• Track 85 : Kurt_66, GrootJr_68, NovumRegina_66, Emianna_66, NatB6_66
• Track 86 : StarStruck_67, Outis_67

• Track 87 : GTE8_55
• Track 88 : NosilaM_69
• Track 89 : Wheezy_66
• Track 90 : Bonum_70, Kabluna_69
• Track 91 : Tracker_66
• Track 92 : Arti_65
• Track 93 : RedRaider_73
• Track 94 : Skysand_68, Float294_67
• Track 95 : Ennea_73, Lollipop1437_70
• Track 96 : Patio_68
• Track 97 : HubbaBubba_62
• Track 98 : Marietta_68, WhoseManz_67
• Track 99 : Sukkupi_67, Yndexa_67
• Track 100 : Pemberton_68
• Track 101 : NadineRae_67
• Track 102 : IDyn_65
• Track 103 : BiPauneto_69
• Track 104 : Fury_75, Pleakley_75
• Track 105 : HomeFry_71
• Track 106 : Scuba_75
• Track 107 : Braxoaddie_67, CoffeeBean_67, Maselop_67
• Track 108 : Apiary_67, Polyyuki_67
• Track 109 : Gagieri_66
• Track 110 : MacGully_76
• Track 111 : Hexbug_49
• Track 112 : Yummy_43, Horseradish_43
• Track 113 : Buttrmlkdreams_43
• Track 114 : SketchMex_41
• Track 115 : BigChungus_42, Feastonyeet_42
• Track 116 : Azira_39, Wallaby_41, Nibbles_38, Wolfwood_39, Survivors_39, MaVan_39, Zareef_39
• Track 117 : BillDoor_41
• Track 118 : Elinal_46, KayGee_44
• Track 119 : Burnsey_41
• Track 120 : Emalyn_41
• Track 121 : AikoCarson_42
• Track 122 : Socotra_42, Bubble_39, Nina_40
• Track 123 : CocoaPuff_43
• Track 124 : Nodigi_49
• Track 125 : Bavilard_42, Yucky_45
• Track 126 : Lauer_39
• Track 127 : Button_45, Jamzy_47
• Track 128 : Cleo_37
• Track 129 : SweatNTears_42
• Track 130 : RADical_42, Starburst_42
• Track 131 : Troje_43, Biskit_43
• Track 132 : GTE2_33
• Track 133 : RSchmailzl_42
• Track 134 : Fribs8_38
• Track 135 : RedBaron_45
• Track 136 : CanesSauce_40, ChocoMunchkin_40, Tolls_42, SteamedHams_42, CaramelLatte_40
• Track 137 : Gibbous_37, Dre3_37

• Track 138 : Vine_45
• Track 139 : CherryonLim_44
• Track 140 : Mayweather_46
• Track 141 : Eliott_41, PsychoKiller_40, Sopespian_41, MunkgeeRoachy_39
• Track 142 : Pons_44
• Track 143 : MScarn_45, Carsonalex_44
• Track 144 : ChickenTender_44
• Track 145 : SheckWes_46
• Track 146 : Blondies_44
• Track 147 : SummitAcademy_42
• Track 148 : AndPeggy_38, Yarn_38
• Track 149 : McDazzle_45, ElJefes_44
• Track 150 : Cozz_39, Agatha_41
• Track 151 : Malvina_40, HippoPololi_39
• Track 152 : GiKK_47
• Track 153 : Yakult_43
• Track 154 : Orla_49
• Track 155 : MAnor_44
• Track 156 : PotPie_43
• Track 157 : Tarnish_43
• Track 158 : GoldHunter_41, Quasar_41
• Track 159 : Axym_40
• Track 160 : Typhonomachy_40
• Track 161 : Amok_42
• Track 162 : RanchParmCat_47
• Track 163 : Margaret_48
• Track 164 : Balloona_41
• Track 165 : Helpful_60, PLot_57, Penelope2018_57
• Track 166 : Prager_57, Giuseppe_58, Adjutor_56, Chill_59, Erk16_56, Mopey_58, PBI1_54, WaldoWhy_59, Butterscotch_56, Delton_58, BigMama_55, Visconti_58, Troll4_57, Thoth_57
• Track 167 : SirHarley_59, Gumball_57
• Track 168 : KandZ_56
• Track 169 : SuperheroCarly_58
• Track 170 : Phalaborwa_58
• Track 171 : Nova_56
• Track 172 : Hawkeye_60
• Track 173 : Frizzle_31
• Track 174 : Sapo_31
• Track 175 : Archimedes_34
• Track 176 : Ghobes_32
• Track 177 : BiteSize_54, Sienna_54, Madi_54, Beyoncage_54
• Track 178 : Terapin_55, Djokovic_54
• Track 179 : LilyPad_56
• Track 180 : Suzy_54
• Track 181 : LittleFella_61
• Track 182 : Phendrix_170
• Track 183 : GodonK_181
• Track 184 : BlueNGold_164, Forza_168, Boopy_167, Mareelih_165
• Track 185 : Sixama_166
• Track 186 : GMA2_62
• Track 187 : Mima20_65, Erutan_65, Jalebi_64, Rukungu_67, Zany_63, Rota_62, Sampudon_65, DoobyDoo_64, MoiGyank_68, LavAbarElk_65

• Track 188 : RazorC_65, NovaSharks_67, Astralis_65, Alyssamiracle_68, Avian_63, Charminar_64, Rumi_66, Genamy16_68, Stormer_65, Jamemuya19_64, Riduram_64
• Track 189 : Pywacket_62
• Track 190 : OtterstedtS21_65, BirthdayBoy_67, NorManre_69, Gibbin_67, Patos_69, Lambo_63
• Track 191 : Aaravos_59
• Track 192 : Lila22_66
• Track 193 : LuckyLeo_62, Apeppi_60
• Track 194 : Nettle_66
• Track 195 : Yikes_67, GretelLyn_65, Sadboi_66
• Track 196 : Fulcrum_65, GOATification_65
• Track 197 : Alephilan_66
• Track 198 : Ranch_65
• Track 199 : Wojtek_61
• Track 200 : DumpTruck_64
• Track 201 : ParvusTarda_64
• Track 202 : Xenia2_63
• Track 203 : DaviePasture_65
• Track 204 : Tillicus_60
• Track 205 : Mercedes_32
• Track 206 : Robinson_38, ManRay_37, MillyPhilly_38, Tenda_37, AlexAdler_38, PhredFlintston_38, TinSulphur_38, Peep_38, Phiderman_38, MaeLinda_38, Aubergine_37, Byron23_38, Superfresh_38, Pherferi_38, Rapheph_38, Stanktossa_38, Christoph_37, Espinosa_37, Martin_39, Inventa_38, Kurt1_38, Janus167_37, TatarkaPM_38, NickSell_38, Bandik_38, Dave_38, Oats_37, Dothraki_38, Renzie_38
• Track 207 : TeddyBear_37, Etta_37, Kouch_37, Baines_37, Gelo_37, Exploradora_37, Asta_37, Chamuel_37, Nagem_38, Calix_37, Pocket_37, Klimt_37, SonOfLevi_37, Erla_37, Gershwin_37, Raptor_38, KellyGreen_38, SJay_38
• Track 208 : BeautPeep30_38, Phireproof_38, Den3_38, Lovelyunicorn_38, Gargoyle_38, Knox_38, Oxtober96_38, Thompsone_38, Velene_38, BonesMcCoy_38, GoingMerry_38, Convict_38
• Track 209 : McGalleon_40
• Track 210 : Riyhil_38, AxiPup_38, WildNOut_38, Strathdee_38, Alyxandracam_38, ParleG_38, ShaiHulud_38, Thorongil_38, MrWorldwide_38, PuppyEggo_38
• Track 211 : Raccoon_37, Schnapsidee_37, BeeBee8_38, Peppino_37
• Track 212 : Antoinette_38
• Track 213 : Endor_38
• Track 214 : Symere_37, Shee_38, SolidSnake_39, Bonino_37, SoilGremlin_38, Nattles_37, Garey24_37, Kale_37, Ludgate_38, OldNelly_38, Phriends_38, Delphidian_38, Sedgewig_37, Merida02_39
• Track 215 : RosieMae_37, Chako_37, Ioannes_38, CoraRita_37, HankSprout_38, AranulaLuti_37, Clancy_37, Rog141_37, HanSolo_37, Gubbabump_37, Benjalauren_38, Duocatuli_37, HungryHenry_37, JeriBeth_37, Papafritta_37, StirfryIV_37, Ilzat_37, Jerbirus_38, Winzigespinne_37, StingRay_37, JasperRussell_37, Zada_38, Figueroism_38, KannH_37
• Track 216 : CarisSwetlik_40, Jenos_41
• Track 217 : FarmerDoug_37
• Track 218 : BigRedClifford_38, Blage_38, Teagan_38
• Track 219 : Hamlet_37, PhillyPhantom_37, Leafus_37
• Track 220 : Redfield_37
• Track 221 : HavenFinLeoSun_39
• Track 222 : Etna_37, KingJulien_37, Stormbreaker8_37, Soror1_37

• Track 223 : JasonD_40
• Track 224 : GardenB_37, GoneGirl_38
• Track 225 : Agente005_38, Aleyra_38
• Track 226 : Balsa_37
• Track 227 : Anilorac_37
• Track 228 : Acosta_39
• Track 229 : Vispistious_38
• Track 230 : Greys_38
• Track 231 : MonChoix_36
• Track 232 : Cidela_35, Fabyndrax_35
• Track 233 : HairyMan_34
• Track 234 : Mandalorian_35, Quartz_36, Nucci_35
• Track 235 : MiniVolent_35
• Track 236 : YuuY_36
• Track 237 : Carostasia_35
• Track 238 : Juanyo_36
• Track 239 : Ixel_36
• Track 240 : WestPM_34
• Track 241 : Tinyman4_36, HerculesXL_36
• Track 242 : Kavo_35
• Track 243 : Scissor2024_36, Schimmels22_36
• Track 244 : Penta_34
• Track 245 : ChikPic_37, Saratos_37, Shamu_37, ColaCorta_37, Xebius_37, PSirce_37, Eleri_37, Orpington_37
• Track 246 : Andromedas_37, Glamour_36
• Track 247 : MCubed_37, Finny_37, Zenitsu_37
• Track 248 : Phanita_37
• Track 249 : Sansa_36
• Track 250 : Casey_34, Pajaza_34, Pikmin_34
• Track 251 : Koji_36
• Track 252 : Lucky3_36, Golden_36
• Track 253 : Jingles_36, BouleyBill_35
• Track 254 : Bustleton_36, Sinatra_36, Pherbot_36
• Track 255 : Guetzie_36, SirVictor_36
• Track 256 : PrincePhergus_36
• Track 257 : RenegadeRaider_37
• Track 258 : Kauala_36
• Track 259 : BaronJohn_35, Librie_35, Zayuliv_35, Wardwill_37, CaptainRex_35, Hasitha_35, Zepp_36, Fulton_35
• Track 260 : LilTerminator_35
• Track 261 : Clock_35, Nebulous_35
• Track 262 : Vafari_36, QuadZero_35
• Track 263 : Neferthena_35
• Track 264 : TwoBits_35
• Track 265 : Alakazam_36
• Track 266 : GreenIvy_35
• Track 267 : Juicer_39, Jemerald_39
• Track 268 : KatChan_38, Luna18_38, Chepli_38
• Track 269 : Morrigan_38
• Track 270 : WilliamStrong_36
• Track 271 : Theresita_43
• Track 272 : Schubert_35
• Track 273 : Cheeto1_38, ChickenKing_37

• Track 274 : GaeCeo_38
• Track 275 : Aesir_42, JDawG_42
• Track 276 : FreddieHg_43, Hiddenleaf_43, Chivey_43, Annapurna_43, DannyDe_43
• Track 277 : Snakehole_43
• Track 278 : JingleBells_43, Erudite_42, Dauntless_42, MortySmith_41
• Track 279 : OhDear_43, Gilda_43, Potty_43, OverHedge_43, Krampus_43, Tiggy93_43, Kate_44, CoolCookie_43, Neptune_43, Cybele_43, PhunaPhoke_43
• Track 280 : SafetyGuy_43, AnnaSerena_43, Anakin_43, Artiphact_43, Pharpay_43, NarutoRun_43
• Track 281 : Kors_46, TinyMiny_46, Ajin_46, Bramble_46
• Track 282 : Karate_42
• Track 283 : Sparcetus_46
• Track 284 : Crestdrop_43
• Track 285 : FountainFog_42
• Track 286 : Hager_44, WinnieLou_44
• Track 287 : Tongui_43, Rie18_43
• Track 288 : RikSengupta_46
• Track 289 : Tedro_43
• Track 290 : SilentWarrior_43
• Track 291 : LordBart_46
• Track 292 : Poultress_42
• Track 293 : Rachella_43
• Track 294 : Haunter_43
• Track 295 : Jera_43
• Track 296 : AyoTeo_44, TurboVicky_43, Typher_45, Labella_45
• Track 297 : FireCastle_42
• Track 298 : Alove_42, Rootkit7_42, Olympi_44
• Track 299 : IndiRoo_43
• Track 300 : PermaG_43
• Track 301 : Htur_43, Rasovi_43, Linayshia_43
• Track 302 : Zanella_42
• Track 303 : Milani_41
• Track 304 : Goodman_43, Johann_43
• Track 305 : Sucha_40
• Track 306 : Cicada_44
• Track 307 : SBlackberry_42
• Track 308 : Benry_42
• Track 309 : C3PO_69, Cruella_69
• Track 310 : Stickynote_69, Darwin_70
• Track 311 : Kimchi1738_70
• Track 312 : Zion_69, PotatoChip_69, PeteyPab_68
• Track 313 : Emmetator_95
• Track 314 : Patbob_102, GoldenEssence_89, FloraSnap32_100
• Track 315 : WaddleDee_90, Ellewin_91, BooTeria_93, DunneganBoMo_92
• Track 316 : LeoJr_102, Atuin_97, ReginaGlobina_102
• Track 317 : Talia1610_103, Bloom_107, Racecar_104, Mimi_103, FrostedClock_103
• Track 318 : Chilliams_102
• Track 319 : Phrampa_96
• Track 320 : Rockabye_104
• Track 321 : Panchaali_94
• Track 322 : Stewart25555_94
• Track 323 : SJReid_107

• Track 324 : KSunshine22_97
• Track 325 : Artu_93
• Track 326 : Roberts_37, Gerri43_37, AnnabelLee_37, ChipsNGuac_37, CardboardBox_38, Neuvillette_37, ChamoyPickle_39
• Track 327 : Ezurina_36
• Track 328 : TripleC_38
• Track 329 : Studio_39
• Track 330 : LastNadiia_39
• Track 331 : Mireles_40
• Track 332 : Audell_36
• Track 333 : Agamotto_37
• Track 334 : Makima_37
• Track 335 : TMaxx_38
• Track 336 : Dodo_115
• Track 337 : PauloDiaboli_113, A3Wally_113
• Track 338 : Big4_102
• Track 339 : Zooman_97
• Track 340 : Erasmago_104
• Track 341 : Cece_96
• Track 342 : Pumpernickel_110
• Track 343 : Triscuit_78
• Track 344 : Huwbert_79
• Track 345 : Megatron06_68, Phreeze_66, Thumb_68
• Track 346 : Cborch11_69
• Track 347 : Damien_67, Beckerton_66
• Track 348 : Nish23_69
• Track 349 : BobtimousPrime_70
• Track 350 : Predator_68
• Track 351 : Konstantine_71
• Track 352 : Puissant_65
• Track 353 : Oaker_67
• Track 354 : AmandaPanda_74, DrLupo_75
• Track 355 : Barnyard_72
• Track 356 : Rope_69, Candle_67, Papyrus_69, Gimesa_70, Nilo_71, Riparian_71, Weiss13_69
• Track 357 : MontyDev_71
• Track 358 : Send513_69, Zenon_71
• Track 359 : Yelo_68
• Track 360 : Demikore_83, Madruga_79
• Track 361 : Patience_81, Labelle_80
• Track 362 : SuperSonics_80
• Track 363 : Laure_107
• Track 364 : Parvaparticeps_12
• Track 365 : ChewyVIII_80
• Track 366 : Wollypog_46
• Track 367 : P1201_73
• Track 368 : Gallia_70
• Track 369 : Shocker_49
• Track 370 : Shrew_83

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

The start number called the most often in the published annotations is 84, it was called in 138 of the 669 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acosta_39, Agente005_38, AlexAdler_38, Aleyra_38, Alyxandracam_38, Anilorac_37, Antoinette_38, AranulaLuti_37, Asta_37, Aubergine_37, AxiPup_38, Baines_37, Bandik_38, BeautPeep30_38, BeeBee8_38, Benjalauren_38, BigRedClifford_38, Blage_38, BonesMcCoy_38, Bonino_37, Byron23_38, Calix_37, CarisSwetlik_40, Casey_34, Chako_37, Chamuel_37, Cheeto1_38, ChickenKing_37, Christoph_37, Cidela_35, Clancy_37, Convict_38, CoraRita_37, Dave_38, Delphidian_38, Den3_38, Dothraki_38, Duocatuli_37, Erla_37, Espinosa_37, Etna_37, Etta_37, Exploradora_37, Fabyndrax_35, FarmerDoug_37, Figueroism_38, GaeCeo_38, GardenB_37, Garey24_37, Gargoyle_38, Gelo_37, Gershwin_37, GoingMerry_38, GoneGirl_38, Gubbabump_37, Guetzie_36, Hamlet_37, HanSolo_37, HankSprout_38, HavenFinLeoSun_39, HungryHenry_37, Ilzat_37, Inventa_38, Ioannes_38, Janus167_37, JasonD_40, JasperRussell_37, Jenos_41, Jerbirus_38, JeriBeth_37, Juanyo_36, Kale_37, KannH_37, KellyGreen_38, KingJulien_37, Klimt_37, Knox_38, Kouch_37, Kurt1_38, Leafus_37, Lovelyunicorn_38, Ludgate_38, MaeLinda_38, ManRay_37, Martin_39, McGalleon_40, Merida02_39, MillyPhilly_38, MiniVolent_35, MonChoix_36, MrWorldwide_38, Nagem_38, Nattles_37, NickSell_38, Oats_37, OldNelly_38, Oxtober96_38, Pajaza_34, Papafritta_37, ParleG_38, Peep_38, Peppino_37, Pherferi_38, Phiderman_38, PhillyPhantom_37, Phireproof_38, PhredFlintston_38, Phriends_38, Pikmin_34, Pocket_37, PuppyEggo_38, Raccoon_37, Rapheph_38, Raptor_38, Redfield_37, Renzie_38, Riyhil_38, Robinson_38, Rog141_37, RosieMae_37, SJay_38, Schnapsidee_37, Schubert_35, Sedgewig_37, ShaiHulud_38, Shee_38, SirVictor_36, SoilGremlin_38, SolidSnake_39, SonOfLevi_37, Soror1_37, Stanktossa_38, StingRay_37, StirfryIV_37, Stormbreaker8_37, Strathdee_38, Superfresh_38, Symere_37, TatarkaPM_38, Teagan_38, TeddyBear_37, Tenda_37, Thompsone_38, Thorongil_38, TinSulphur_38, Velene_38, WildNOut_38, Winzigespinne_37, Zada_38,

Genes that have the "Most Annotated" start but do not call it:
• Balsa_37, Endor_38, Greys_38, HairyMan_34, Jemerald_39, Juicer_39, Vispistious_38, YuuY_36,

Genes that do not have the "Most Annotated" start:
• 8UZL_43, A3Wally_113, Aaravos_59, Adjutor_56, Aesir_42, Agamotto_37, Agatha_41, AikoCarson_42, Aikoy_74, Ajin_46, Alakazam_36, Albanese_42, Aledel_39, Alephilan_66, Alove_42, Alyssamiracle_68, AmandaPanda_74, Amok_42, Anakin_43, AndPeggy_38, Andromedas_37, AnnaSerena_43, AnnabelLee_37, Annapurna_43, Apeppi_60, Apiary_67, AppleCider_41, Araceli_50, Archimedes_34, Arti_65, Artiphact_43, Artu_93, Astralis_65, Atuin_97, Audell_36, AustinPowers_39, Avian_63, Axym_40, AyoTeo_44, Azira_39, Balloona_41, Barnyard_72, BaronJohn_35, Bavilard_42, Beckerton_66, Beethoven_41, Bennie_39, Benry_42, Beyoncage_54, BiPauneto_69, Big4_102, BigChungus_42, BigMack_39, BigMama_55, BillDoor_41, BirthdayBoy_67, Biskit_43, BiteSize_54, Blondies_44, Bloom_107, BlueNGold_164, BobtimousPrime_70, Bodacious_39, Bogota_51, Bonum_70, BooTeria_93, Boopy_167, BouleyBill_35, Bramble_46, Braxoaddie_67, BrotherBLo_41, Bubble_39, Buggaboo_68, Burnsey_41, Bustleton_36, Butterscotch_56, Button_45, Buttrmlkdreams_43, C3PO_69, CallieOMalley_41, Candle_67, CanesSauce_40, Canowicakte_41, CaptainRex_35, CaramelLatte_40,

CardboardBox_38, Carostasia_35, Carpal_41, Carsonalex_44, Cborch11_69, Cece_96, ChamoyPickle_39, Charminar_64, Chepli_38, CherryonLim_44, ChewChew_39, ChewyVIII_80, ChickenTender_44, ChikPic_37, Chill_59, Chilliams_102, ChipsNGuac_37, Chivey_43, ChocoMunchkin_40, Cholula_41, Chridison_38, Christian_39, Cicada_44, Cleo_37, Clock_35, CocoaPuff_43, CoffeeBean_67, ColaCorta_37, Commandaria_67, CoolCookie_43, Cozz_39, Creature_84, Crestdrop_43, CristinaYang_39, Crosby_51, Cruella_69, Cuke_76, Cybele_43, Daiboju_39, Dalilpop_70, Damien_67, DannyDe_43, Darwin_70, Dauntless_42, DaviePasture_65, Delton_58, Demikore_83, Dino_42, Djokovic_54, Dodo_115, DoobyDoo_64, DrLupo_75, DrRobert_38, Dre3_37, DreamTeam_39, Dryad_70, DumpTruck_64, DunneganBoMo_92, ElJefes_44, Eleri_37, Elinal_46, Eliott_41, Ellewin_91, Emalyn_41, Emianna_66, Emmetator_95, Ennea_73, Erasmago_104, Erk16_56, Erudite_42, Erutan_65, EstebanJulior_40, Eunoia_39, Ezurina_36, FF47_42, Feastonyeet_42, Finny_37, FireCastle_42, Flapper_69, Float294_67, FloraSnap32_100, Fluke_42, Forza_168, FountainFog_42, Fowlmouth_77, Foxboro_67, FreddieHg_43, Fribs8_38, Frizzle_31, FrostedClock_103, Fulcrum_65, Fulton_35, Fury_75, GMA2_62, GOATification_65, GRU1_55, GTE2_33, GTE5_55, GTE8_55, Gagieri_66, Galactica_39, GalaxyEater_42, Gallia_70, Genamy16_68, Gerri43_37, Ghobes_32, GiKK_47, Gibbin_67, Gibbous_37, Gibson_66, Gilda_43, Gimesa_70, Gisselle_39, Giuseppe_58, Glamour_36, Glenn_42, GodonK_181, GoldHunter_41, GoldenEssence_89, Golden_36, Goodman_43, Graynor_44, GreenHearts_42, GreenIvy_35, Greenbelt_64, Greenhouse_43, GretelLyn_65, GrootJr_68, Gumball_57, Hager_44, Hasitha_35, Haunter_43, Hawkeye_60, HeadNerd_39, Helpful_60, Henoccus_51, Herb_39, HerculesXL_36, Hexbug_49, Hiddenleaf_43, HippoPololi_39, Hiyaa_41, HomeFry_71, Horseradish_43, Htur_43, HubbaBubba_62, Huckleberry_39, HunterDalle_39, Huntingdon_41, Huwbert_79, IDyn_65, Immaculata_41, IndiRoo_43, Indlulamithi_68, Intolerant_48, Ixel_36, JDawG_42, JackieB_51, JacoRen57_39, Jalebi_64, Jamemuya19_64, Jamzy_47, Jera_43, Jifall16_66, JingleBells_43, Jingles_36, Joann_42, Johann_43, Jumboset_42, KSunshine22_97, Kabluna_69, Kalizoi_41, KandZ_56, Karate_42, KatChan_38, Kate_44, Kauala_36, Kavo_35, KayGee_44, Keanu_40, KidneyBean_67, KimJongPhill_82, Kimchi1738_70, KingBob_39, Kittykat_40, Koji_36, Kokushibo_41, Konstantine_71, Korra_41, Kors_46, Krampus_43, Kurt_66, Labella_45, Labelle_80, LadyJasley_46, Lakshmi_42, Lambo_63, Lasagna_38, LastNadiia_39, Lauer_39, Laure_107, LavAbarElk_65, LazerLemon_51, Lennox_39, LeoJr_102, Leopard_73, Librie_35, LilStuart_39, LilTerminator_35, Lila22_66, LilyPad_56, Linayshia_43, Litotes_41, LittleFella_61, Lizz_66, Lollipop1437_70, LongHai_44, LordBart_46, Lucky3_36, LuckyLeo_62, Lucy_39, Luna18_38, MAnor_44, MCubed_37, MScarn_45, MaVan_39, MacGully_76, Maco6_41, Madi_54, Madruga_79, Makima_37, Makoto_39, Malvina_40, MamaPearl_40, Mandalorian_35, Mareelih_165, Margaret_48, Maria1952_38, Marietta_68, Marky_53, Maselop_67, Mayweather_46, McDazzle_45, MeganNoll_41, Megatron06_68, MerCougar_69, Mercedes_32, Microdon_49, Milani_41, Mima20_65, Mimi_103, Mireles_40, Misaeng_41, MoiGyank_68, Moki_39, MontyDev_71, Mopey_58, Morrigan_38, MortySmith_41, MrBoss_43, MrGloopy_42, MrMiyagi_76, Muddy_43, MunkgeeRoachy_39, NadineRae_67, Nancia_39, NarutoRun_43, NatB6_66, Nebulous_35, Neferthena_35, Neptune_43, Nettle_66, Neuvillette_37, Nibbles_38, Nilo_71, Nina_40, Nish23_69, NoShow_51, Nodigi_49, NorManre_69, NosilaM_69, NovaSharks_67, Nova_56, NovumRegina_66, Nubia_42, Nucci_35, OMalley_39, Oaker_67, OhDear_43, Olympi_44, Onyinye_74, Orla_49, Orpington_37, OtterstedtS21_65, OurGirlNessie_38, Outis_67, OverHedge_43, Oxynfrius_42, P1201_73, PBI1_54, PHTowN_66, PLot_57, PSirce_37, Panchaali_94, Papyrus_69,

PartyCup_42, Parvaparticeps_12, ParvusTarda_64, Patbob_102, Patience_81, Patio_68, Patos_69, PauloDiaboli_113, Pemberton_68, Penelope2018_57, Penta_34, PermaG_43, PeteyPab_68, Phalaborwa_58, Phanita_37, Pharpay_43, Phendrix_170, Pherbot_36, Phomeo_66, Phrampa_96, Phreeze_66, PhunaPhoke_43, PigHeaded_48, PinkFriday_39, PitaDog_39, Pleakley_75, Polyyuki_67, Pons_44, PotPie_43, PotatoChip_69, Potatoes_41, Potty_43, Poultress_42, Prager_57, Preamble_39, Predator_68, PrincePhergus_36, PsychoKiller_40, Pterodactyl_39, Puissant_65, Pumancara_39, Pumpernickel_110, Pywacket_62, QuadZero_35, Quartz_36, Quasar_41, RADical_42, RAP15_42, RSchmailzl_42, Racecar_104, Rachella_43, RanchParmCat_47, Ranch_65, Rasovi_43, RazorC_65, RcigaStruga_41, RedBaron_45, RedRaider_73, ReginaGlobina_102, RenegadeRaider_37, Riduram_64, Rie18_43, RikSengupta_46, Riovina_39, Riparian_71, Riverdale_42, Roberts_37, Rockabye_104, Rooney_66, Rootkit7_42, Rope_69, Rota_62, Rozby_41, Rukungu_67, Rumi_66, SBlackberry_42, SJReid_107, Sadboi_66, SafetyGuy_43, Salvus_44, Sampudon_65, Sansa_36, Sapo_31, Saratos_37, SassyC_71, Savage2526_42, Schimmels22_36, Scissor2024_36, Scuba_75, Scuttle_41, Send513_69, Sergei_39, ShakeNBake_66, Shamu_37, SheckWes_46, Shocker_49, Shrew_83, Shynx_50, Sienna_54, SilentWarrior_43, Sinatra_36, SirHarley_59, Sixama_166, SketchMex_41, Skysand_68, Snakehole_43, Socotra_42, Sopespian_41, Sparcetus_46, Spocter_40, StarStruck_67, Starburst_42, SteamedHams_42, Stewart25555_94, Stickynote_69, Stormer_65, Studio_39, Stuff_50, Sucha_40, Sukkupi_67, SummitAcademy_42, Supakev_39, SuperSonics_80, SuperSulley_68, SuperheroCarly_58, Suppi_41, Survivors_39, Suzy_54, SweatNTears_42, TMaxx_38, Talia1610_103, Tarnish_43, TattModd_40, Tedro_43, Temper16_39, Terapin_55, Theresita_43, Thoth_57, Thumb_68, Tiggy93_43, Tillicus_60, TinyMiny_46, Tinyman4_36, Tolls_42, Tongui_43, Tracker_66, TripleC_38, Triscuit_78, Troje_43, Troll4_57, TurboVicky_43, Turuncu_69, TwoBits_35, Typher_45, Typhonomachy_40, UNTPL_52, Urla_40, Vafari_36, Vallejo_42, Vine_45, Virizion_71, Visconti_58, Vulture_39, WaddleDee_90, WaldoWhy_59, Wallaby_41, Wardwill_37, Wawa_41, Wayne_41, Weiss13_69, Wentworth_66, WestPM_34, Wheezy_66, WhoseManz_67, Wilkos_68, WilliamStrong_36, WinnieLou_44, Wojtek_61, Wolfwood_39, Wollypog_46, WonderBoy_38, Xebius_37, Xenia2_63, Yakult_43, Yara_62, Yarn_38, Yelo_68, Yikes_67, Yndexa_67, Yucky_45, Yummy_43, Zanella_42, Zany_63, Zareef_39, Zayuliv_35, Zenitsu_37, Zenon_71, Zepp_36, Zion_69, Zooman_97, Zorro_42, Zuko_80,

Summary by start number:

Start 32:
• Found in 6 of 749 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 669
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Beyoncage_54 (DG1), BiteSize_54 (DG1), Madi_54 (DG1), Sienna_54 (DG1),

Start 36:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 14.3% of time when present
• Phage (with cluster) where this start called: RikSengupta_46 (EF),

Start 41:

• Found in 12 of 749 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Predator_68 (H1),

Start 44:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChewyVIII_80 (singleton),

Start 46:
• Found in 11 of 749 (1.5%) of genes in pham
• Manual Annotations of this start: 9 of 669
• Called 81.8% of time when present
• Phage (with cluster) where this start called: Beckerton_66 (H1), BobtimousPrime_70 (H1), Cborch11_69 (H1), Damien_67 (H1), Konstantine_71 (H1), Megatron06_68 (H1), Oaker_67 (H1), Phreeze_66 (H1), Thumb_68 (H1),

Start 49:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Puissant_65 (H1),

Start 54:
• Found in 4 of 749 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ennea_73 (CR3), Lollipop1437_70 (CR3),

Start 55:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Demikore_83 (U), Labelle_80 (U), Madruga_79 (U), Patience_81 (U), SuperSonics_80 (U),

Start 57:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 14.3% of time when present
• Phage (with cluster) where this start called: LittleFella_61 (DG2),

Start 58:
• Found in 8 of 749 (1.1%) of genes in pham
• Manual Annotations of this start: 6 of 669
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Fury_75 (CR5), HomeFry_71 (CR5), Patio_68 (CR3), Pleakley_75 (CR5), RedRaider_73 (CR3), Scuba_75 (CR5),

Start 61:

• Found in 10 of 749 (1.3%) of genes in pham
• Manual Annotations of this start: 7 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_70 (BN), Gibson_66 (BN), Lizz_66 (BN), PHTowN_66 (BN), Rooney_66 (BN), SassyC_71 (BN), ShakeNBake_66 (BN), Virizion_71 (BN), Wentworth_66 (BN), Wilkos_68 (BN),

Start 62:
• Found in 10 of 749 (1.3%) of genes in pham
• Manual Annotations of this start: 5 of 669
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Djokovic_54 (DG1), Greenbelt_64 (BN), LilyPad_56 (DG1), Suzy_54 (DG1), Terapin_55 (DG1),

Start 63:
• Found in 56 of 749 (7.5%) of genes in pham
• Manual Annotations of this start: 48 of 669
• Called 94.6% of time when present
• Phage (with cluster) where this start called: Adjutor_56 (D1), Aikoy_74 (AE), AmandaPanda_74 (H2), Apiary_67 (CR6), Arti_65 (CR2), Barnyard_72 (H2), BigMama_55 (D1), Braxoaddie_67 (CR6), Butterscotch_56 (D1), Chill_59 (D1), CoffeeBean_67 (CR6), Commandaria_67 (CR2), Cuke_76 (AC), Delton_58 (D1), DrLupo_75 (H2), Emianna_66 (CR2), Erk16_56 (D1), Fowlmouth_77 (AC), Foxboro_67 (CR2), GTE8_55 (CR2), Gagieri_66 (CR6), Gallia_70 (singleton), Giuseppe_58 (D1), GrootJr_68 (CR2), Hawkeye_60 (D2), Helpful_60 (D1), Jifall16_66 (CR2), KidneyBean_67 (CR2), Kurt_66 (CR2), Leopard_73 (AE), MacGully_76 (CR7), Maselop_67 (CR6), Mopey_58 (D1), MrMiyagi_76 (AC), NatB6_66 (CR2), Nova_56 (D1), NovumRegina_66 (CR2), Onyinye_74 (AE), P1201_73 (singleton), PBI1_54 (D1), PLot_57 (D1), Penelope2018_57 (D1), Phalaborwa_58 (D1), Phomeo_66 (CR2), Polyyuki_67 (CR6), Prager_57 (D1), SuperheroCarly_58 (D1), Thoth_57 (D1), Tracker_66 (CR2), Troll4_57 (D1), Visconti_58 (D1), WaldoWhy_59 (D1), Wheezy_66 (CR2),

Start 65:
• Found in 61 of 749 (8.1%) of genes in pham
• Manual Annotations of this start: 42 of 669
• Called 77.0% of time when present
• Phage (with cluster) where this start called: Aaravos_59 (DV), Alephilan_66 (DV), Alyssamiracle_68 (DV), Apeppi_60 (DV), Astralis_65 (DV), Avian_63 (DV), BirthdayBoy_67 (DV), Charminar_64 (DV), Dalilpop_70 (CR1), DaviePasture_65 (DV), DoobyDoo_64 (DV), DumpTruck_64 (DV), Erutan_65 (DV), Flapper_69 (CR1), Fulcrum_65 (DV), GOATification_65 (DV), GRU1_55 (CR1), Genamy16_68 (DV), Gibbin_67 (DV), GretelLyn_65 (DV), Jalebi_64 (DV), Jamemuya19_64 (DV), Lambo_63 (DV), LavAbarElk_65 (DV), Lila22_66 (DV), LuckyLeo_62 (DV), Mima20_65 (DV), MoiGyank_68 (DV), NorManre_69 (DV), NovaSharks_67 (DV), OtterstedtS21_65 (DV), ParvusTarda_64 (DV), Patos_69 (DV), Ranch_65 (DV), RazorC_65 (DV), Riduram_64 (DV), Rota_62 (DV), Rukungu_67 (DV), Rumi_66 (DV), Sadboi_66 (DV), Sampudon_65 (DV), Stormer_65 (DV), Tillicus_60 (DV), Wojtek_61 (DV), Xenia2_63 (DV), Yikes_67 (DV), Zany_63 (DV),

Start 66:
• Found in 57 of 749 (7.6%) of genes in pham
• Manual Annotations of this start: 52 of 669

• Called 98.2% of time when present
• Phage (with cluster) where this start called: Aesir_42 (EF), Anakin_43 (EF), AnnaSerena_43 (EF), Annapurna_43 (EF), Artiphact_43 (EF), BiPauneto_69 (CR4), Bonum_70 (CR2), Buggaboo_68 (CR2), Chivey_43 (EF), CoolCookie_43 (EF), Crestdrop_43 (EF), Cybele_43 (EF), DannyDe_43 (EF), Dauntless_42 (EF), Erudite_42 (EF), FountainFog_42 (EF), FreddieHg_43 (EF), Gilda_43 (EF), Hager_44 (EF), Haunter_43 (EF), Hiddenleaf_43 (EF), IDyn_65 (CR4), JDawG_42 (EF), JingleBells_43 (EF), Kabluna_69 (CR2), Karate_42 (EF), Kate_44 (EF), Krampus_43 (EF), Marietta_68 (CR4), MerCougar_69 (CR2), MortySmith_41 (EF), NadineRae_67 (CR4), NarutoRun_43 (EF), Neptune_43 (EF), NosilaM_69 (CR2), OhDear_43 (EF), Outis_67 (CR2), OverHedge_43 (EF), Pemberton_68 (CR4), Pharpay_43 (EF), PhunaPhoke_43 (EF), Potty_43 (EF), Poultress_42 (EF), Rie18_43 (EF), SafetyGuy_43 (EF), SilentWarrior_43 (EF), Snakehole_43 (EF), StarStruck_67 (CR2), Sukkupi_67 (CR4), SuperSulley_68 (CR2), Tedro_43 (EF), Tiggy93_43 (EF), Tongui_43 (EF), WhoseManz_67 (CR4), WinnieLou_44 (EF), Yndexa_67 (CR4),

Start 67:
• Found in 24 of 749 (3.2%) of genes in pham
• Manual Annotations of this start: 11 of 669
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Candle_67 (R), Gimesa_70 (R), Indlulamithi_68 (AC), MontyDev_71 (R), Nilo_71 (R), Papyrus_69 (R), Riparian_71 (R), Rope_69 (R), Send513_69 (R), Weiss13_69 (R), Yelo_68 (R), Zenon_71 (R),

Start 68:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yara_62 (BN),

Start 69:
• Found in 24 of 749 (3.2%) of genes in pham
• Manual Annotations of this start: 8 of 669
• Called 33.3% of time when present
• Phage (with cluster) where this start called: C3PO_69 (EN), Cruella_69 (EN), Darwin_70 (EN), Kimchi1738_70 (EN), PeteyPab_68 (EN), PotatoChip_69 (EN), Stickynote_69 (EN), Zion_69 (EN),

Start 70:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 5 of 669
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Ajin_46 (EF), Bramble_46 (EF), Kors_46 (EF), Sparcetus_46 (EF), TinyMiny_46 (EF),

Start 71:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Wollypog_46 (singleton),

Start 72:
• Found in 7 of 749 (0.9%) of genes in pham

• Manual Annotations of this start: 1 of 669
• Called 14.3% of time when present
• Phage (with cluster) where this start called: LordBart_46 (EF),

Start 73:
• Found in 15 of 749 (2.0%) of genes in pham
• Manual Annotations of this start: 3 of 669
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Andromedas_37 (EA2), Glamour_36 (EA2), Phanita_37 (EA2),

Start 74:
• Found in 82 of 749 (10.9%) of genes in pham
• No Manual Annotations of this start.
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Nettle_66 (DV), Pywacket_62 (DV),

Start 75:
• Found in 52 of 749 (6.9%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Rachella_43 (EF),

Start 77:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Float294_67 (CR3), Skysand_68 (CR3),

Start 81:
• Found in 149 of 749 (19.9%) of genes in pham
• Manual Annotations of this start: 16 of 669
• Called 10.7% of time when present
• Phage (with cluster) where this start called: Balsa_37 (EA1), BouleyBill_35 (EA4), Bustleton_36 (EA4), Endor_38 (EA1), Golden_36 (EA4), Greys_38 (EA1), HairyMan_34 (EA10), Jingles_36 (EA4), Kauala_36 (EA4), Koji_36 (EA4), Lucky3_36 (EA4), Pherbot_36 (EA4), PrincePhergus_36 (EA4), Sinatra_36 (EA4), Vispistious_38 (EA1), YuuY_36 (EA10),

Start 83:
• Found in 23 of 749 (3.1%) of genes in pham
• Manual Annotations of this start: 3 of 669
• Called 13.0% of time when present
• Phage (with cluster) where this start called: Gumball_57 (D1), KandZ_56 (D1), SirHarley_59 (D1),

Start 84:
• Found in 157 of 749 (21.0%) of genes in pham
• Manual Annotations of this start: 138 of 669
• Called 94.9% of time when present
• Phage (with cluster) where this start called: Acosta_39 (EA1), Agente005_38 (EA1), AlexAdler_38 (EA1), Aleyra_38 (EA1), Alyxandracam_38 (EA1), Anilorac_37 (EA1), Antoinette_38 (EA1), AranulaLuti_37 (EA1), Asta_37 (EA1), Aubergine_37 (EA1),

AxiPup_38 (EA1), Baines_37 (EA1), Bandik_38 (EA1), BeautPeep30_38 (EA1), BeeBee8_38 (EA1), Benjalauren_38 (EA1), BigRedClifford_38 (EA1), Blage_38 (EA1), BonesMcCoy_38 (EA1), Bonino_37 (EA1), Byron23_38 (EA1), Calix_37 (EA1), CarisSwetlik_40 (EA1), Casey_34 (EA3), Chako_37 (EA1), Chamuel_37 (EA1), Cheeto1_38 (EA9), ChickenKing_37 (EA9), Christoph_37 (EA1), Cidela_35 (EA10), Clancy_37 (EA1), Convict_38 (EA1), CoraRita_37 (EA1), Dave_38 (EA1), Delphidian_38 (EA1), Den3_38 (EA1), Dothraki_38 (EA1), Duocatuli_37 (EA1), Erla_37 (EA1), Espinosa_37 (EA1), Etna_37 (EA1), Etta_37 (EA1), Exploradora_37 (EA1), Fabyndrax_35 (EA10), FarmerDoug_37 (EA1), Figueroism_38 (EA1), GaeCeo_38 (EA9), GardenB_37 (EA1), Garey24_37 (EA1), Gargoyle_38 (EA1), Gelo_37 (EA1), Gershwin_37 (EA1), GoingMerry_38 (EA1), GoneGirl_38 (EA1), Gubbabump_37 (EA1), Guetzie_36 (EA4), Hamlet_37 (EA1), HanSolo_37 (EA1), HankSprout_38 (EA1), HavenFinLeoSun_39 (EA1), HungryHenry_37 (EA1), Ilzat_37 (EA1), Inventa_38 (EA1), Ioannes_38 (EA1), Janus167_37 (EA1), JasonD_40 (EA1), JasperRussell_37 (EA1), Jenos_41 (EA1), Jerbirus_38 (EA1), JeriBeth_37 (EA1), Juanyo_36 (EA10), Kale_37 (EA1), KannH_37 (EA1), KellyGreen_38 (EA1), KingJulien_37 (EA1), Klimt_37 (EA1), Knox_38 (EA1), Kouch_37 (EA1), Kurt1_38 (EA1), Leafus_37 (EA1), Lovelyunicorn_38 (EA1), Ludgate_38 (EA1), MaeLinda_38 (EA1), ManRay_37 (EA1), Martin_39 (EA1), McGalleon_40 (EA1), Merida02_39 (EA1), MillyPhilly_38 (EA1), MiniViolent_35 (EA10), MonChoix_36 (EA1), MrWorldwide_38 (EA1), Nagem_38 (EA1), Nattles_37 (EA1), NickSell_38 (EA1), Oats_37 (EA1), OldNelly_38 (EA1), Oxtober96_38 (EA1), Pajaza_34 (EA3), Papafritta_37 (EA1), ParleG_38 (EA1), Peep_38 (EA1), Peppino_37 (EA1), Pherferi_38 (EA1), Phiderman_38 (EA1), PhillyPhantom_37 (EA1), Phireproof_38 (EA1), PhredFlintston_38 (EA1), Phriends_38 (EA1), Pikmin_34 (EA3), Pocket_37 (EA1), PuppyEggo_38 (EA1), Raccoon_37 (EA1), Rapheph_38 (EA1), Raptor_38 (EA1), Redfield_37 (EA1), Renzie_38 (EA1), Riyhil_38 (EA1), Robinson_38 (EA1), Rog141_37 (EA1), RosieMae_37 (EA1), SJay_38 (EA1), Schnapsidee_37 (EA1), Schubert_35 (EA8), Sedgewig_37 (EA1), ShaiHulud_38 (EA1), Shee_38 (EA1), SirVictor_36 (EA4), SoilGremlin_38 (EA1), SolidSnake_39 (EA1), SonOfLevi_37 (EA1), Soror1_37 (EA1), Stanktossa_38 (EA1), StingRay_37 (EA1), StirfryIV_37 (EA1), Stormbreaker8_37 (EA1), Strathdee_38 (EA1), Superfresh_38 (EA1), Symere_37 (EA1), TatarkaPM_38 (EA1), Teagan_38 (EA1), TeddyBear_37 (EA1), Tenda_37 (EA1), Thompsone_38 (EA1), Thorongil_38 (EA1), TinSulphur_38 (EA1), Velene_38 (EA1), WildNOut_38 (EA1), Winzigespinne_37 (EA1), Zada_38 (EA1),

Start 85:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 5 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HerculesXL_36 (EA11), Kavo_35 (EA11), Penta_34 (EA11), Schimmels22_36 (EA11), Scissor2024_36 (EA11), Tinyman4_36 (EA11), WestPM_34 (EA11),

Start 92:
• Found in 43 of 749 (5.7%) of genes in pham
• Manual Annotations of this start: 38 of 669
• Called 93.0% of time when present
• Phage (with cluster) where this start called: Alakazam_36 (EA5), BaronJohn_35 (EA5), CaptainRex_35 (EA5), Carostasia_35 (EA10), Chepli_38 (EA6), ChikPic_37 (EA2), Clock_35 (EA5), ColaCorta_37 (EA2), Eleri_37 (EA2), Finny_37 (EA2), Fulton_35 (EA5), GreenIvy_35 (EA5), Hasitha_35 (EA5), Ixel_36 (EA11), KatChan_38 (EA6), Librie_35 (EA5), LilTerminator_35 (EA5), Luna18_38 (EA6),

MCubed_37 (EA2), Mandalorian_35 (EA10), Mercedes_32 (EA), Morrigan_38 (EA6), Nebulous_35 (EA5), Neferthena_35 (EA5), Nucci_35 (EA10), Orpington_37 (EA2), PSirce_37 (EA2), QuadZero_35 (EA5), Quartz_36 (EA10), Sansa_36 (EA2), Saratos_37 (EA2), Shamu_37 (EA2), TwoBits_35 (EA5), Vafari_36 (EA5), Wardwill_37 (EA5), WilliamStrong_36 (EA6), Xebius_37 (EA2), Zayuliv_35 (EA5), Zenitsu_37 (EA2), Zepp_36 (EA5),

Start 94:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jemerald_39 (EA6), Juicer_39 (EA6),

Start 97:
• Found in 1 of 749 (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: RenegadeRaider_37 (EA4),

Start 99:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Sapo_31 (DA),

Start 104:
• Found in 12 of 749 (1.6%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Nish23_69 (H1),

Start 106:
• Found in 70 of 749 (9.3%) of genes in pham
• Manual Annotations of this start: 22 of 669
• Called 32.9% of time when present
• Phage (with cluster) where this start called: Alove_42 (EJ), AyoTeo_44 (EJ), Benry_42 (EJ), Cicada_44 (EJ), FireCastle_42 (EJ), Goodman_43 (EJ), Htur_43 (EJ), IndiRoo_43 (EJ), Jera_43 (EJ), Johann_43 (EJ), Labella_45 (EJ), Linayshia_43 (EJ), Milani_41 (EJ), Olympi_44 (EJ), PermaG_43 (EJ), Rasovi_43 (EJ), Rootkit7_42 (EJ), SBlackberry_42 (EJ), Sucha_40 (EJ), Theresita_43 (EA7), TurboVicky_43 (EJ), Typher_45 (EJ), Zanella_42 (EJ),

Start 108:
• Found in 1 of 749 (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: GTE2_33 (CT),

Start 109:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Shrew_83 (singleton),

Start 112:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Huwbert_79 (GG), Triscuit_78 (GG),

Start 115:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_51 (AB),

Start 118:
• Found in 3 of 749 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Creature_84 (BR), KimJongPhill_82 (BR), Zuko_80 (BR),

Start 119:
• Found in 6 of 749 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 16.7% of time when present
• Phage (with cluster) where this start called: SketchMex_41 (CT),

Start 121:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_39 (BQ), Keanu_40 (BQ),

Start 122:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 3 of 669
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Hiyaa_41 (BQ), Kokushibo_41 (BQ), Spocter_40 (BQ),

Start 127:
• Found in 9 of 749 (1.2%) of genes in pham
• Manual Annotations of this start: 4 of 669
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Cleo_37 (CT), Dre3_37 (CT), Gibbous_37 (CT), UNTPL_52 (BH),

Start 128:
• Found in 3 of 749 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Balloona_41 (CT),

Start 130:

• Found in 59 of 749 (7.9%) of genes in pham
• Manual Annotations of this start: 11 of 669
• Called 18.6% of time when present
• Phage (with cluster) where this start called: Araceli_50 (BH), Bogota_51 (BH), Crosby_51 (BH), Henoccus_51 (BH), Intolerant_48 (BH), JackieB_51 (BH), LazerLemon_51 (BH), Marky_53 (BH), Microdon_49 (BH), Shynx_50 (BH), Stuff_50 (BH),

Start 132:
• Found in 1 of 749 (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: Parvaparticeps_12 (UNK),

Start 134:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lauer_39 (CT),

Start 135:
• Found in 6 of 749 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Axym_40 (CT),

Start 136:
• Found in 13 of 749 (1.7%) of genes in pham
• Manual Annotations of this start: 10 of 669
• Called 84.6% of time when present
• Phage (with cluster) where this start called: BigChungus_42 (CT), CherryonLim_44 (CT), CocoaPuff_43 (CT), Feastonyeet_42 (CT), MAnor_44 (CT), Mayweather_46 (CT), Pons_44 (CT), PotPie_43 (CT), SummitAcademy_42 (CT), Tarnish_43 (CT), Vine_45 (CT),

Start 137:
• Found in 87 of 749 (11.6%) of genes in pham
• Manual Annotations of this start: 77 of 669
• Called 97.7% of time when present
• Phage (with cluster) where this start called: 8UZL_43 (AB), Albanese_42 (AK), AppleCider_41 (AK), Azira_39 (CT), Beethoven_41 (AK), Bennie_39 (AK), BigMack_39 (AK), Bodacious_39 (AK), BrotherBLo_41 (AK), CallieOMalley_41 (AK), Canowicakte_41 (AK), Carpal_41 (AK), ChewChew_39 (AK), Cholula_41 (AK), Christian_39 (AK), CristinaYang_39 (AK), Dino_42 (AK), DrRobert_38 (AK), DreamTeam_39 (AK), EstebanJulior_40 (AK), FF47_42 (AB), Fluke_42 (AK), Fribs8_38 (CT), Gisselle_39 (AK), Glenn_42 (AK), Graynor_44 (AK), GreenHearts_42 (AK), Greenhouse_43 (AK), HeadNerd_39 (AK), HippoPololi_39 (CT), Huckleberry_39 (AK), Huntingdon_41 (AK), Immaculata_41 (AK), Joann_42 (AK), Jumboset_42 (AK), Kalizoi_41 (AK), Kittykat_40 (AK), Korra_41 (AK), Lakshmi_42 (AK), Lasagna_38 (AK), Lennox_39 (AK), LilStuart_39 (AK), Litotes_41 (AK), LongHai_44 (AB), Lucy_39 (AK), MaVan_39 (CT), Maco6_41 (AB), Makoto_39 (AK), Malvina_40 (CT), MamaPearl_40 (AK), MeganNoll_41 (AK), Misaeng_41 (AK), Moki_39 (AK), MrBoss_43 (AK), MrGloopy_42 (AK), Muddy_43 (AB), Nancia_39

(AK), Nibbles_38 (CT), Nubia_42 (AK), OurGirlNessie_38 (AK), Oxynfrius_42 (AK), PartyCup_42 (AK), PitaDog_39 (AK), Potatoes_41 (AK), Preamble_39 (AK), Pterodactyl_39 (AK), RAP15_42 (AK), RcigaStruga_41 (AK), Riverdale_42 (AK), Rozby_41 (AK), Salvus_44 (AB), Savage2526_42 (AK), Scuttle_41 (AK), Suppi_41 (AK), Survivors_39 (CT), TattModd_40 (AK), Urla_40 (AK), Vallejo_42 (AK), Wallaby_41 (CT), Wawa_41 (AK), Wayne_41 (AK), Wolfwood_39 (CT), WonderBoy_38 (AK), Zareef_39 (CT), Zorro_42 (AK),

Start 138:
• Found in 3 of 749 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_45 (CT), GiKK_47 (CT), Jamzy_47 (CT),

Start 140:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Bavilard_42 (CT), Yucky_45 (CT),

Start 141:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Margaret_48 (CT),

Start 142:
• Found in 2 of 749 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agatha_41 (CT), Cozz_39 (CT),

Start 143:
• Found in 26 of 749 (3.5%) of genes in pham
• Manual Annotations of this start: 21 of 669
• Called 88.5% of time when present
• Phage (with cluster) where this start called: Aledel_39 (AK), AustinPowers_39 (AK), Chridison_38 (AK), Daiboju_39 (AK), ElJefes_44 (CT), Eunoia_39 (AK), Herb_39 (AK), Hexbug_49 (CT), HunterDalle_39 (AK), KingBob_39 (AK), Maria1952_38 (AK), McDazzle_45 (CT), Nodigi_49 (CT), OMalley_39 (AK), Orla_49 (CT), PinkFriday_39 (AK), Pumancara_39 (AK), Riovina_39 (AK), Sergei_39 (AK), SheckWes_46 (CT), Supakev_39 (AK), Temper16_39 (AK), Vulture_39 (AK),

Start 144:
• Found in 3 of 749 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Elinal_46 (CT), KayGee_44 (CT),

Start 145:
• Found in 41 of 749 (5.5%) of genes in pham
• Manual Annotations of this start: 28 of 669

• Called 90.2% of time when present
• Phage (with cluster) where this start called: AikoCarson_42 (CT), Amok_42 (CT), AndPeggy_38 (CT), BillDoor_41 (CT), Biskit_43 (CT), Blondies_44 (CT), Bubble_39 (CT), Burnsey_41 (CT), Buttrmlkdreams_43 (CT), CanesSauce_40 (CT), CaramelLatte_40 (CT), Carsonalex_44 (CT), ChickenTender_44 (CT), ChocoMunchkin_40 (CT), Eliott_41 (CT), Emalyn_41 (CT), GoldHunter_41 (CT), Horseradish_43 (CT), MScarn_45 (CT), MunkgeeRoachy_39 (CT), Nina_40 (CT), PsychoKiller_40 (CT), Quasar_41 (CT), RADical_42 (CT), RSchmailzl_42 (CT), RedBaron_45 (CT), Socotra_42 (CT), Sopespian_41 (CT), Starburst_42 (CT), SteamedHams_42 (CT), SweatNTears_42 (CT), Tolls_42 (CT), Troje_43 (CT), Typhonomachy_40 (CT), Yakult_43 (CT), Yarn_38 (CT), Yummy_43 (CT),

Start 148:
• Found in 15 of 749 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Archimedes_34 (DA),

Start 149:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sixama_166 (DS),

Start 150:
• Found in 7 of 749 (0.9%) of genes in pham
• Manual Annotations of this start: 3 of 669
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Frizzle_31 (DA), Ghobes_32 (DA), RanchParmCat_47 (CT),

Start 156:
• Found in 1 of 749 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GodonK_181 (DK),

Start 157:
• Found in 87 of 749 (11.6%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 1.1% of time when present
• Phage (with cluster) where this start called: JacoRen57_39 (AB),

Start 159:
• Found in 1 of 749 (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: GMA2_62 (DS),

Start 160:
• Found in 4 of 749 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 669
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BlueNGold_164 (DS), Boopy_167 (DS), Forza_168 (DS), Mareelih_165 (DS),

Start 162:
• Found in 23 of 749 (3.1%) of genes in pham
• Manual Annotations of this start: 13 of 669
• Called 87.0% of time when present
• Phage (with cluster) where this start called: Artu_93 (FC), Atuin_97 (FC), Bloom_107 (FC), Chilliams_102 (FC), FloraSnap32_100 (FC), FrostedClock_103 (FC), GoldenEssence_89 (FC), KSunshine22_97 (FC), Laure_107 (UNK), LeoJr_102 (FC), Mimi_103 (FC), Panchaali_94 (FC), Patbob_102 (FC), Phendrix_170 (DK), Phrampa_96 (FC), Racecar_104 (FC), ReginaGlobina_102 (FC), Rockabye_104 (FC), Stewart25555_94 (FC), Talia1610_103 (FC),

Start 169:
• Found in 8 of 749 (1.1%) of genes in pham
• Manual Annotations of this start: 6 of 669
• Called 87.5% of time when present
• Phage (with cluster) where this start called: A3Wally_113 (GD1), Big4_102 (GD2), Cece_96 (GD3), Erasmago_104 (GD2), PauloDiaboli_113 (GD1), Pumpernickel_110 (GD4), Zooman_97 (GD2),

Start 173:
• Found in 4 of 749 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Dodo_115 (GD1),

Start 174:
• Found in 34 of 749 (4.5%) of genes in pham
• Manual Annotations of this start: 2 of 669
• Called 5.9% of time when present
• Phage (with cluster) where this start called: HubbaBubba_62 (CR4), Shocker_49 (singleton),

Start 175:
• Found in 5 of 749 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 40.0% of time when present
• Phage (with cluster) where this start called: GTE5_55 (CR1), Turuncu_69 (CR1),

Start 177:
• Found in 16 of 749 (2.1%) of genes in pham
• Manual Annotations of this start: 11 of 669
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agamotto_37 (FR), AnnabelLee_37 (FR), Audell_36 (FR), CardboardBox_38 (FR), ChamoyPickle_39 (FR), ChipsNGuac_37 (FR), Ezurina_36 (FR), Gerri43_37 (FR), LastNadiia_39 (FR), Makima_37 (FR), Mireles_40 (FR), Neuvillette_37 (FR), Roberts_37 (FR), Studio_39 (FR), TMaxx_38 (FR), TripleC_38 (FR),

Start 181:
• Found in 69 of 749 (9.2%) of genes in pham

• Manual Annotations of this start: 5 of 669
• Called 7.2% of time when present
• Phage (with cluster) where this start called: BooTeria_93 (FC), DunneganBoMo_92 (FC), Ellewin_91 (FC), SJReid_107 (FC), WaddleDee_90 (FC),

Start 198:
• Found in 168 of 749 (22.4%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 0.6% of time when present
• Phage (with cluster) where this start called: LadyJasley_46 (AV),

Start 199:
• Found in 41 of 749 (5.5%) of genes in pham
• No Manual Annotations of this start.
• Called 2.4% of time when present
• Phage (with cluster) where this start called: GalaxyEater_42 (AV),

Start 203:
• Found in 16 of 749 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 669
• Called 6.2% of time when present
• Phage (with cluster) where this start called: PigHeaded_48 (AV),

Start 225:
• Found in 24 of 749 (3.2%) of genes in pham
• No Manual Annotations of this start.
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Emmetator_95 (FC),

Summary by clusters:

There are 53 clusters represented in this pham: GD1, FR, GD3, GD4, DK, BN, BH, GD2, DA, FC, BQ, BR, CR7, DV, DS, UNK, EA6, DG2, AC, AB, AE, EJ, AK, EF, EA, EA9, EA8, R, U, AV, EA1, EA11, EA3, EA2, EA5, EA4, EA7, CT, CR2, CR3, CR1, CR6, EA10, CR4, CR5, GG, H1, singleton, H2, DG1, EN, D2, D1,

Info for manual annotations of cluster AB:
•Start number 115 was manually annotated 1 time for cluster AB.
•Start number 137 was manually annotated 2 times for cluster AB.
•Start number 157 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AC:
•Start number 63 was manually annotated 3 times for cluster AC.
•Start number 67 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:
•Start number 63 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AK:
•Start number 137 was manually annotated 67 times for cluster AK.
•Start number 143 was manually annotated 17 times for cluster AK.

Info for manual annotations of cluster AV:

•Start number 198 was manually annotated 1 time for cluster AV.
•Start number 203 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster BH:
•Start number 127 was manually annotated 1 time for cluster BH.
•Start number 130 was manually annotated 11 times for cluster BH.

Info for manual annotations of cluster BN:
•Start number 61 was manually annotated 7 times for cluster BN.
•Start number 62 was manually annotated 1 time for cluster BN.
•Start number 68 was manually annotated 1 time for cluster BN.

Info for manual annotations of cluster BQ:
•Start number 121 was manually annotated 2 times for cluster BQ.
•Start number 122 was manually annotated 3 times for cluster BQ.

Info for manual annotations of cluster BR:
•Start number 118 was manually annotated 2 times for cluster BR.

Info for manual annotations of cluster CR1:
•Start number 65 was manually annotated 2 times for cluster CR1.
•Start number 175 was manually annotated 1 time for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 63 was manually annotated 13 times for cluster CR2.
•Start number 66 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 54 was manually annotated 2 times for cluster CR3.
•Start number 58 was manually annotated 2 times for cluster CR3.
•Start number 77 was manually annotated 2 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 66 was manually annotated 8 times for cluster CR4.
•Start number 174 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 58 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 63 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 63 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:
•Start number 119 was manually annotated 1 time for cluster CT.
•Start number 127 was manually annotated 3 times for cluster CT.
•Start number 134 was manually annotated 1 time for cluster CT.
•Start number 135 was manually annotated 1 time for cluster CT.
•Start number 136 was manually annotated 10 times for cluster CT.
•Start number 137 was manually annotated 8 times for cluster CT.
•Start number 138 was manually annotated 3 times for cluster CT.

•Start number 140 was manually annotated 2 times for cluster CT.
•Start number 141 was manually annotated 1 time for cluster CT.
•Start number 142 was manually annotated 2 times for cluster CT.
•Start number 143 was manually annotated 4 times for cluster CT.
•Start number 144 was manually annotated 2 times for cluster CT.
•Start number 145 was manually annotated 28 times for cluster CT.
•Start number 150 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster D1:
•Start number 63 was manually annotated 19 times for cluster D1.
•Start number 83 was manually annotated 3 times for cluster D1.

Info for manual annotations of cluster D2:
•Start number 63 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster DA:
•Start number 99 was manually annotated 1 time for cluster DA.
•Start number 148 was manually annotated 1 time for cluster DA.
•Start number 150 was manually annotated 2 times for cluster DA.

Info for manual annotations of cluster DG1:
•Start number 32 was manually annotated 4 times for cluster DG1.
•Start number 62 was manually annotated 4 times for cluster DG1.

Info for manual annotations of cluster DG2:
•Start number 57 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DK:
•Start number 156 was manually annotated 1 time for cluster DK.
•Start number 162 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DS:
•Start number 149 was manually annotated 1 time for cluster DS.
•Start number 160 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DV:
•Start number 65 was manually annotated 40 times for cluster DV.

Info for manual annotations of cluster EA:
•Start number 92 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:
•Start number 81 was manually annotated 4 times for cluster EA1.
•Start number 84 was manually annotated 128 times for cluster EA1.

Info for manual annotations of cluster EA10:
•Start number 81 was manually annotated 2 times for cluster EA10.
•Start number 84 was manually annotated 1 time for cluster EA10.
•Start number 92 was manually annotated 4 times for cluster EA10.

Info for manual annotations of cluster EA11:
•Start number 85 was manually annotated 5 times for cluster EA11.
•Start number 92 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:
•Start number 73 was manually annotated 3 times for cluster EA2.
•Start number 92 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA3:
•Start number 84 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:
•Start number 81 was manually annotated 10 times for cluster EA4.
•Start number 84 was manually annotated 2 times for cluster EA4.

Info for manual annotations of cluster EA5:
•Start number 92 was manually annotated 16 times for cluster EA5.

Info for manual annotations of cluster EA6:
•Start number 92 was manually annotated 5 times for cluster EA6.
•Start number 94 was manually annotated 2 times for cluster EA6.

Info for manual annotations of cluster EA7:
•Start number 106 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:
•Start number 84 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:
•Start number 84 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster EF:
•Start number 36 was manually annotated 1 time for cluster EF.
•Start number 66 was manually annotated 36 times for cluster EF.
•Start number 70 was manually annotated 5 times for cluster EF.
•Start number 72 was manually annotated 1 time for cluster EF.
•Start number 75 was manually annotated 1 time for cluster EF.

Info for manual annotations of cluster EJ:
•Start number 106 was manually annotated 21 times for cluster EJ.

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

Info for manual annotations of cluster FC:
•Start number 162 was manually annotated 12 times for cluster FC.
•Start number 181 was manually annotated 5 times for cluster FC.

Info for manual annotations of cluster FR:
•Start number 177 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster GD1:
•Start number 169 was manually annotated 2 times for cluster GD1.
•Start number 173 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:

•Start number 169 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 169 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 169 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GG:
•Start number 112 was manually annotated 2 times for cluster GG.

Info for manual annotations of cluster H1:
•Start number 41 was manually annotated 1 time for cluster H1.
•Start number 46 was manually annotated 9 times for cluster H1.
•Start number 49 was manually annotated 1 time for cluster H1.

Info for manual annotations of cluster H2:
•Start number 63 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster R:
•Start number 67 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster U:
•Start number 55 was manually annotated 4 times for cluster U.

Gene Information:

Gene: 8UZL_43 Start: 31938, Stop: 30922, Start Num: 137
Candidate Starts for 8UZL_43:
(Start: 137 @31938 has 77 MA's), (172, 31845), (Start: 174 @31842 has 2 MA's), (212, 31755), (240, 31668), (260, 31611), (263, 31596), (281, 31542), (341, 31359), (431, 31188), (438, 31173), (446, 31152), (501, 31026), (516, 30975), (523, 30954),

Gene: A3Wally_113 Start: 77350, Stop: 76415, Start Num: 169
Candidate Starts for A3Wally_113:
(Start: 169 @77350 has 6 MA's), (Start: 173 @77341 has 1 MA's), (218, 77233), (251, 77143), (271, 77092), (280, 77065), (283, 77053), (308, 76969), (315, 76963), (328, 76924), (372, 76807), (410, 76756), (462, 76624), (463, 76621), (466, 76615), (482, 76576), (506, 76510), (515, 76483),

Gene: Aaravos_59 Start: 43227, Stop: 44387, Start Num: 65
Candidate Starts for Aaravos_59:
(Start: 65 @43227 has 42 MA's), (74, 43242), (Start: 181 @43461 has 5 MA's), (200, 43506), (210, 43533), (218, 43548), (282, 43674), (296, 43725), (307, 43755), (316, 43785), (340, 43863), (364, 43923), (408, 43998), (410, 44004), (447, 44106), (473, 44154), (477, 44163), (489, 44196), (504, 44250), (517, 44289), (542, 44379),

Gene: Acosta_39 Start: 27483, Stop: 26302, Start Num: 84
Candidate Starts for Acosta_39:
(50, 27552), (Start: 81 @27492 has 16 MA's), (Start: 84 @27483 has 138 MA's), (153, 27354), (235, 27138), (267, 27045), (274, 27030), (350, 26787), (363, 26751), (374, 26721), (385, 26691), (399,

26688), (403, 26679), (445, 26565), (467, 26520), (496, 26436), (518, 26361),

Gene: Adjutor_56 Start: 43047, Stop: 44225, Start Num: 63
Candidate Starts for Adjutor_56:
(6, 42765), (8, 42795), (14, 42858), (Start: 63 @43047 has 48 MA's), (Start: 83 @43095 has 3 MA's), (102, 43134), (Start: 106 @43146 has 22 MA's), (161, 43245), (188, 43308), (210, 43362), (229, 43410), (272, 43476), (308, 43590), (316, 43617), (324, 43647), (338, 43692), (441, 43926), (473, 43992), (477, 44001), (479, 44010), (520, 44136), (542, 44217),

Gene: Aesir_42 Start: 28494, Stop: 29621, Start Num: 66
Candidate Starts for Aesir_42:
(1, 28101), (4, 28182), (Start: 66 @28494 has 52 MA's), (Start: 75 @28515 has 1 MA's), (185, 28725), (210, 28788), (246, 28884), (294, 28989), (338, 29139), (422, 29307), (445, 29373), (501, 29514), (518, 29571),

Gene: Agamotto_37 Start: 27336, Stop: 26395, Start Num: 177
Candidate Starts for Agamotto_37:
(Start: 177 @27336 has 11 MA's), (252, 27135), (283, 27027), (359, 26820), (368, 26799), (413, 26733), (419, 26721), (453, 26628), (479, 26571), (501, 26508), (505, 26499), (522, 26445),

Gene: Agatha_41 Start: 29791, Stop: 28760, Start Num: 142
Candidate Starts for Agatha_41:
(Start: 136 @29797 has 10 MA's), (Start: 142 @29791 has 2 MA's), (213, 29620), (240, 29533), (260, 29476), (281, 29407), (294, 29374), (316, 29296), (333, 29245), (431, 29050), (440, 29032), (446, 29014), (486, 28930), (492, 28912),

Gene: Agente005_38 Start: 27312, Stop: 26134, Start Num: 84
Candidate Starts for Agente005_38:
(50, 27381), (Start: 81 @27321 has 16 MA's), (Start: 84 @27312 has 138 MA's), (153, 27186), (154, 27183), (241, 26952), (248, 26934), (267, 26877), (274, 26862), (350, 26619), (363, 26583), (374, 26553), (385, 26523), (399, 26520), (445, 26397), (488, 26301), (496, 26268),

Gene: AikoCarson_42 Start: 30036, Stop: 29008, Start Num: 145
Candidate Starts for AikoCarson_42:
(Start: 145 @30036 has 28 MA's), (221, 29841), (240, 29778), (274, 29676), (282, 29649), (316, 29541), (333, 29490), (406, 29361), (410, 29352), (431, 29295), (440, 29277), (446, 29259), (486, 29175),

Gene: Aikoy_74 Start: 50610, Stop: 51827, Start Num: 63
Candidate Starts for Aikoy_74:
(Start: 63 @50610 has 48 MA's), (Start: 75 @50637 has 1 MA's), (95, 50691), (110, 50736), (139, 50802), (155, 50814), (182, 50874), (195, 50904), (196, 50907), (206, 50934), (218, 50961), (274, 51090), (305, 51210), (307, 51216), (334, 51306), (349, 51348), (356, 51366), (364, 51384), (410, 51447), (441, 51531), (477, 51606), (478, 51612), (479, 51615), (501, 51684), (504, 51693), (519, 51738), (535, 51795),

Gene: Ajin_46 Start: 29709, Stop: 30806, Start Num: 70
Candidate Starts for Ajin_46:
(Start: 36 @29655 has 1 MA's), (Start: 70 @29709 has 5 MA's), (Start: 72 @29712 has 1 MA's), (Start: 75 @29718 has 1 MA's), (185, 29928), (187, 29934), (206, 29979), (210, 29991), (235, 30054), (246, 30087), (294, 30192), (345, 30354), (422, 30489), (430, 30513), (504, 30705), (518, 30753),

Gene: Alakazam_36 Start: 26644, Stop: 25469, Start Num: 92

Candidate Starts for Alakazam_36:
(24, 26788), (53, 26716), (Start: 57 @26710 has 1 MA's), (Start: 92 @26644 has 38 MA's), (153, 26530), (224, 26344), (262, 26236), (264, 26224), (267, 26212), (274, 26197), (288, 26146), (318, 26056), (399, 25855), (423, 25795), (428, 25780), (496, 25603), (506, 25567),

Gene: Albanese_42 Start: 28164, Stop: 29111, Start Num: 137
Candidate Starts for Albanese_42:
(Start: 137 @28164 has 77 MA's), (Start: 198 @28311 has 1 MA's), (207, 28329), (219, 28353), (244, 28428), (272, 28509), (278, 28524), (281, 28536), (326, 28686), (363, 28755), (364, 28758), (487, 28992), (498, 29037), (500, 29040), (509, 29067), (511, 29070),

Gene: Aledel_39 Start: 27504, Stop: 28451, Start Num: 143
Candidate Starts for Aledel_39:
(Start: 143 @27504 has 21 MA's), (165, 27570), (207, 27669), (219, 27693), (241, 27759), (261, 27807), (266, 27831), (278, 27861), (283, 27879), (285, 27891), (299, 27933), (351, 28071), (363, 28092), (364, 28095), (477, 28302), (498, 28377), (500, 28380), (509, 28407), (511, 28410),

Gene: Alephilan_66 Start: 44039, Stop: 45202, Start Num: 65
Candidate Starts for Alephilan_66:
(Start: 65 @44039 has 42 MA's), (74, 44054), (Start: 130 @44183 has 11 MA's), (Start: 181 @44273 has 5 MA's), (182, 44276), (Start: 198 @44312 has 1 MA's), (210, 44345), (272, 44459), (282, 44486), (294, 44525), (296, 44540), (299, 44549), (307, 44570), (316, 44600), (321, 44615), (324, 44630), (338, 44675), (340, 44678), (370, 44753), (377, 44774), (408, 44813), (445, 44915), (473, 44969), (477, 44978), (479, 44987), (489, 45011), (517, 45104),

Gene: AlexAdler_38 Start: 27073, Stop: 25898, Start Num: 84
Candidate Starts for AlexAdler_38:
(28, 27193), (50, 27142), (Start: 81 @27082 has 16 MA's), (Start: 84 @27073 has 138 MA's), (153, 26950), (Start: 157 @26935 has 1 MA's), (248, 26698), (267, 26641), (274, 26626), (363, 26347), (374, 26317), (385, 26287), (399, 26284), (438, 26179), (445, 26161), (450, 26149), (467, 26116), (488, 26065), (496, 26032),

Gene: Aleyra_38 Start: 27317, Stop: 26139, Start Num: 84
Candidate Starts for Aleyra_38:
(50, 27386), (Start: 81 @27326 has 16 MA's), (Start: 84 @27317 has 138 MA's), (153, 27191), (154, 27188), (241, 26957), (248, 26939), (267, 26882), (274, 26867), (350, 26624), (363, 26588), (374, 26558), (385, 26528), (399, 26525), (445, 26402), (488, 26306), (496, 26273),

Gene: Alove_42 Start: 27509, Stop: 28522, Start Num: 106
Candidate Starts for Alove_42:
(Start: 106 @27509 has 22 MA's), (165, 27638), (Start: 198 @27719 has 1 MA's), (227, 27788), (263, 27872), (289, 27956), (306, 28007), (326, 28076), (327, 28079), (375, 28181), (378, 28187), (431, 28271), (436, 28286), (459, 28337), (480, 28385), (498, 28448),

Gene: Alyssamiracle_68 Start: 43081, Stop: 44298, Start Num: 65
Candidate Starts for Alyssamiracle_68:
(Start: 65 @43081 has 42 MA's), (74, 43096), (Start: 130 @43225 has 11 MA's), (Start: 181 @43315 has 5 MA's), (182, 43318), (Start: 198 @43354 has 1 MA's), (210, 43387), (272, 43501), (282, 43528), (294, 43567), (296, 43582), (307, 43612), (316, 43642), (324, 43672), (340, 43720), (408, 43909), (473, 44065), (477, 44074), (479, 44083), (489, 44107), (504, 44161), (517, 44200), (542, 44290),

Gene: Alyxandracam_38 Start: 27083, Stop: 25908, Start Num: 84
Candidate Starts for Alyxandracam_38:

(28, 27203), (50, 27152), (Start: 81 @27092 has 16 MA's), (Start: 84 @27083 has 138 MA's), (153, 26960), (Start: 157 @26945 has 1 MA's), (194, 26858), (248, 26708), (267, 26651), (363, 26357), (374, 26327), (385, 26297), (399, 26294), (438, 26189), (445, 26171), (450, 26159), (467, 26126), (488, 26075), (496, 26042),

Gene: AmandaPanda_74 Start: 50706, Stop: 51980, Start Num: 63
Candidate Starts for AmandaPanda_74:
(Start: 63 @50706 has 48 MA's), (74, 50730), (Start: 130 @50859 has 11 MA's), (206, 51027), (210, 51039), (229, 51093), (231, 51099), (243, 51132), (256, 51153), (265, 51177), (266, 51183), (281, 51228), (283, 51234), (292, 51267), (293, 51270), (294, 51273), (324, 51381), (373, 51516), (375, 51525), (394, 51564), (396, 51570), (411, 51600), (413, 51606), (426, 51639), (427, 51642), (445, 51693), (457, 51717), (462, 51726), (477, 51756), (518, 51885), (521, 51894), (537, 51948), (542, 51972),

Gene: Amok_42 Start: 30060, Stop: 29032, Start Num: 145
Candidate Starts for Amok_42:
(Start: 145 @30060 has 28 MA's), (221, 29865), (240, 29802), (274, 29700), (282, 29673), (316, 29565), (333, 29514), (348, 29481), (406, 29385), (410, 29376), (431, 29319), (440, 29301), (446, 29283), (452, 29271), (486, 29199), (492, 29181), (513, 29106),

Gene: Anakin_43 Start: 28820, Stop: 29974, Start Num: 66
Candidate Starts for Anakin_43:
(1, 28421), (Start: 66 @28820 has 52 MA's), (Start: 75 @28841 has 1 MA's), (105, 28910), (185, 29051), (210, 29114), (246, 29210), (294, 29315), (338, 29465), (374, 29555), (388, 29591), (408, 29621), (445, 29726), (475, 29783), (501, 29867), (518, 29924),

Gene: AndPeggy_38 Start: 29466, Stop: 28432, Start Num: 145
Candidate Starts for AndPeggy_38:
(Start: 145 @29466 has 28 MA's), (221, 29271), (240, 29208), (274, 29106), (316, 28971), (406, 28791), (410, 28782), (431, 28725), (440, 28707), (446, 28689), (486, 28605),

Gene: Andromedas_37 Start: 26832, Stop: 25642, Start Num: 73
Candidate Starts for Andromedas_37:
(Start: 69 @26841 has 8 MA's), (Start: 73 @26832 has 3 MA's), (Start: 92 @26805 has 38 MA's), (153, 26694), (154, 26691), (170, 26646), (241, 26460), (257, 26427), (262, 26409), (267, 26385), (274, 26370), (288, 26319), (318, 26229), (363, 26091), (374, 26061), (385, 26031), (410, 26004), (446, 25902), (488, 25809), (496, 25776), (502, 25752), (506, 25740),

Gene: Anilorac_37 Start: 27156, Stop: 25978, Start Num: 84
Candidate Starts for Anilorac_37:
(47, 27228), (50, 27225), (Start: 81 @27165 has 16 MA's), (Start: 84 @27156 has 138 MA's), (153, 27030), (154, 27027), (241, 26796), (248, 26778), (267, 26721), (274, 26706), (350, 26463), (363, 26427), (374, 26397), (385, 26367), (399, 26364), (445, 26241), (488, 26145), (496, 26112),

Gene: AnnaSerena_43 Start: 28855, Stop: 30009, Start Num: 66
Candidate Starts for AnnaSerena_43:
(1, 28456), (Start: 66 @28855 has 52 MA's), (Start: 75 @28876 has 1 MA's), (105, 28945), (185, 29086), (210, 29149), (246, 29245), (294, 29350), (338, 29500), (374, 29590), (388, 29626), (408, 29656), (445, 29761), (475, 29818), (501, 29902), (518, 29959),

Gene: AnnabelLee_37 Start: 24525, Stop: 23593, Start Num: 177
Candidate Starts for AnnabelLee_37:

(Start: 177 @24525 has 11 MA's), (238, 24366), (256, 24321), (303, 24159), (322, 24120), (359, 24018), (368, 23997), (376, 23970), (413, 23931), (435, 23871), (453, 23826), (479, 23769), (482, 23760), (488, 23757), (501, 23706), (505, 23697), (518, 23655), (522, 23643),

Gene: Annapurna_43 Start: 28123, Stop: 29250, Start Num: 66
Candidate Starts for Annapurna_43:
(1, 27730), (3, 27796), (4, 27811), (Start: 66 @28123 has 52 MA's), (Start: 75 @28144 has 1 MA's), (116, 28240), (185, 28354), (210, 28417), (246, 28513), (294, 28618), (338, 28768), (422, 28936), (445, 29002), (475, 29059), (501, 29143), (518, 29200),

Gene: Antoinette_38 Start: 27070, Stop: 25895, Start Num: 84
Candidate Starts for Antoinette_38:
(28, 27190), (50, 27139), (Start: 81 @27079 has 16 MA's), (Start: 84 @27070 has 138 MA's), (153, 26947), (Start: 157 @26932 has 1 MA's), (267, 26638), (274, 26623), (363, 26344), (374, 26314), (385, 26284), (399, 26281), (438, 26176), (445, 26158), (450, 26146), (467, 26113), (488, 26062), (496, 26029),

Gene: Apeppi_60 Start: 43297, Stop: 44457, Start Num: 65
Candidate Starts for Apeppi_60:
(Start: 65 @43297 has 42 MA's), (74, 43312), (Start: 130 @43441 has 11 MA's), (Start: 181 @43531 has 5 MA's), (200, 43576), (210, 43603), (282, 43744), (296, 43795), (307, 43825), (316, 43855), (340, 43933), (364, 43993), (370, 44008), (389, 44029), (408, 44068), (410, 44074), (447, 44176), (473, 44224), (477, 44233), (489, 44266), (517, 44359), (542, 44449),

Gene: Apiary_67 Start: 50069, Stop: 48903, Start Num: 63
Candidate Starts for Apiary_67:
(16, 50207), (38, 50099), (Start: 63 @50069 has 48 MA's), (163, 49871), (210, 49748), (238, 49673), (282, 49610), (289, 49583), (319, 49490), (322, 49475), (328, 49451), (338, 49424), (340, 49421), (426, 49211), (443, 49163), (477, 49094), (478, 49088), (518, 48962),

Gene: AppleCider_41 Start: 27545, Stop: 28492, Start Num: 137
Candidate Starts for AppleCider_41:
(Start: 137 @27545 has 77 MA's), (197, 27689), (Start: 198 @27692 has 1 MA's), (Start: 203 @27707 has 1 MA's), (219, 27734), (240, 27797), (245, 27812), (263, 27860), (278, 27905), (281, 27917), (287, 27941), (326, 28067), (363, 28136), (364, 28139), (444, 28283), (477, 28343), (498, 28418), (500, 28421), (509, 28448), (511, 28451),

Gene: Araceli_50 Start: 35827, Stop: 36834, Start Num: 130
Candidate Starts for Araceli_50:
(26, 35590), (93, 35740), (Start: 130 @35827 has 11 MA's), (Start: 198 @35992 has 1 MA's), (215, 36022), (223, 36058), (251, 36133), (261, 36166), (266, 36190), (285, 36250), (301, 36280), (306, 36298), (307, 36301), (318, 36334), (327, 36370), (368, 36460), (421, 36556), (459, 36655), (464, 36667), (498, 36745), (509, 36778), (521, 36811),

Gene: AranulaLuti_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for AranulaLuti_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Archimedes_34 Start: 31001, Stop: 30105, Start Num: 148
Candidate Starts for Archimedes_34:

(79, 31136), (98, 31091), (Start: 99 @31085 has 1 MA's), (100, 31076), (Start: 127 @31007 has 4 MA's), (129, 31004), (Start: 148 @31001 has 1 MA's), (197, 30872), (Start: 198 @30869 has 1 MA's), (221, 30821), (263, 30728), (280, 30677), (287, 30647), (298, 30617), (306, 30593), (316, 30560), (351, 30476), (364, 30452), (414, 30404), (427, 30398), (498, 30227),

Gene: Arti_65 Start: 52065, Stop: 50866, Start Num: 63
Candidate Starts for Arti_65:
(Start: 63 @52065 has 48 MA's), (199, 51777), (200, 51774), (208, 51753), (210, 51747), (316, 51474), (320, 51462), (324, 51444), (335, 51411), (340, 51396), (374, 51309), (408, 51222), (424, 51180), (425, 51177), (445, 51120), (475, 51063), (476, 51060), (477, 51057), (479, 51048), (514, 50940), (521, 50916),

Gene: Artiphact_43 Start: 28844, Stop: 29998, Start Num: 66
Candidate Starts for Artiphact_43:
(1, 28445), (Start: 66 @28844 has 52 MA's), (Start: 75 @28865 has 1 MA's), (105, 28934), (185, 29075), (210, 29138), (246, 29234), (294, 29339), (338, 29489), (374, 29579), (388, 29615), (408, 29645), (445, 29750), (475, 29807), (501, 29891), (518, 29948),

Gene: Artu_93 Start: 79854, Stop: 80825, Start Num: 162
Candidate Starts for Artu_93:
(Start: 162 @79854 has 13 MA's), (171, 79878), (Start: 181 @79899 has 5 MA's), (211, 79974), (225, 80013), (283, 80187), (286, 80202), (300, 80244), (309, 80277), (324, 80304), (325, 80307), (330, 80328), (354, 80391), (363, 80412), (369, 80427), (373, 80439), (453, 80604), (463, 80625), (501, 80724), (505, 80733), (515, 80763),

Gene: Asta_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for Asta_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (164, 26624), (248, 26405), (267, 26348), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: Astralis_65 Start: 42660, Stop: 43877, Start Num: 65
Candidate Starts for Astralis_65:
(Start: 65 @42660 has 42 MA's), (74, 42675), (Start: 130 @42804 has 11 MA's), (Start: 181 @42894 has 5 MA's), (182, 42897), (Start: 198 @42933 has 1 MA's), (210, 42966), (272, 43080), (282, 43107), (294, 43146), (296, 43161), (307, 43191), (316, 43221), (324, 43251), (340, 43299), (408, 43488), (473, 43644), (477, 43653), (479, 43662), (489, 43686), (504, 43740), (517, 43779), (542, 43869),

Gene: Atuin_97 Start: 83319, Stop: 84290, Start Num: 162
Candidate Starts for Atuin_97:
(Start: 162 @83319 has 13 MA's), (171, 83343), (Start: 181 @83364 has 5 MA's), (225, 83478), (283, 83652), (286, 83667), (309, 83742), (324, 83769), (325, 83772), (328, 83787), (354, 83856), (363, 83877), (369, 83892), (373, 83904), (435, 84024), (442, 84045), (453, 84069), (463, 84090), (501, 84189), (505, 84198),

Gene: Aubergine_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for Aubergine_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (Start: 157 @26642 has 1 MA's), (248, 26405), (267, 26348), (274, 26333), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: Audell_36 Start: 26923, Stop: 25982, Start Num: 177

Candidate Starts for Audell_36:
(Start: 177 @26923 has 11 MA's), (283, 26614), (359, 26407), (368, 26386), (413, 26320), (419, 26308), (453, 26215), (479, 26158), (501, 26095), (505, 26086), (518, 26044), (522, 26032),

Gene: AustinPowers_39 Start: 27502, Stop: 28449, Start Num: 143
Candidate Starts for AustinPowers_39:
(Start: 143 @27502 has 21 MA's), (165, 27568), (207, 27667), (219, 27691), (241, 27757), (261, 27805), (266, 27829), (278, 27859), (283, 27877), (285, 27889), (299, 27931), (351, 28069), (363, 28090), (364, 28093), (477, 28300), (498, 28375), (500, 28378), (509, 28405), (511, 28408),

Gene: Avian_63 Start: 42809, Stop: 44026, Start Num: 65
Candidate Starts for Avian_63:
(Start: 65 @42809 has 42 MA's), (74, 42824), (Start: 130 @42953 has 11 MA's), (Start: 181 @43043 has 5 MA's), (182, 43046), (Start: 198 @43082 has 1 MA's), (210, 43115), (272, 43229), (282, 43256), (294, 43295), (296, 43310), (307, 43340), (316, 43370), (324, 43400), (340, 43448), (408, 43637), (473, 43793), (477, 43802), (479, 43811), (489, 43835), (504, 43889), (517, 43928), (542, 44018),

Gene: AxiPup_38 Start: 27052, Stop: 25877, Start Num: 84
Candidate Starts for AxiPup_38:
(28, 27172), (50, 27121), (Start: 81 @27061 has 16 MA's), (Start: 84 @27052 has 138 MA's), (153, 26929), (Start: 157 @26914 has 1 MA's), (194, 26827), (248, 26677), (267, 26620), (363, 26326), (374, 26296), (385, 26266), (399, 26263), (438, 26158), (445, 26140), (450, 26128), (467, 26095), (488, 26044), (496, 26011),

Gene: Axym_40 Start: 29775, Stop: 28738, Start Num: 135
Candidate Starts for Axym_40:
(Start: 135 @29775 has 1 MA's), (213, 29598), (240, 29511), (260, 29454), (281, 29385), (294, 29352), (316, 29274), (333, 29223), (431, 29028), (440, 29010), (446, 28992), (486, 28908), (492, 28890), (513, 28815),

Gene: AyoTeo_44 Start: 27806, Stop: 28819, Start Num: 106
Candidate Starts for AyoTeo_44:
(Start: 106 @27806 has 22 MA's), (165, 27935), (Start: 198 @28016 has 1 MA's), (227, 28085), (263, 28169), (289, 28253), (306, 28304), (326, 28373), (327, 28376), (375, 28478), (378, 28484), (431, 28568), (436, 28583), (459, 28634), (480, 28682), (498, 28745),

Gene: Azira_39 Start: 29680, Stop: 28649, Start Num: 137
Candidate Starts for Azira_39:
(Start: 137 @29680 has 77 MA's), (153, 29641), (Start: 174 @29584 has 2 MA's), (197, 29527), (213, 29497), (232, 29431), (240, 29410), (274, 29308), (283, 29278), (294, 29251), (307, 29203), (316, 29173), (400, 29008), (440, 28912), (446, 28894), (454, 28879),

Gene: Baines_37 Start: 26770, Stop: 25595, Start Num: 84
Candidate Starts for Baines_37:
(28, 26890), (50, 26839), (Start: 81 @26779 has 16 MA's), (Start: 84 @26770 has 138 MA's), (153, 26647), (164, 26614), (248, 26395), (267, 26338), (363, 26044), (374, 26014), (385, 25984), (399, 25981), (438, 25876), (445, 25858), (450, 25846), (467, 25813), (488, 25762), (496, 25729),

Gene: Balloona_41 Start: 30867, Stop: 29791, Start Num: 128
Candidate Starts for Balloona_41:
(128, 30867), (Start: 140 @30843 has 2 MA's), (Start: 144 @30837 has 2 MA's), (208, 30672), (213, 30648), (216, 30639), (224, 30606), (240, 30561), (274, 30459), (299, 30378), (323, 30300), (331, 30276), (341, 30252), (348, 30240), (379, 30159), (413, 30123), (426, 30090), (428, 30084), (431,

30075), (438, 30060), (446, 30039), (454, 30024), (502, 29895), (506, 29883), (508, 29877), (513, 29862),

Gene: Balsa_37 Start: 27212, Stop: 26025, Start Num: 81
Candidate Starts for Balsa_37:
(47, 27275), (Start: 81 @27212 has 16 MA's), (Start: 84 @27203 has 138 MA's), (153, 27077), (154, 27074), (241, 26843), (267, 26768), (274, 26753), (363, 26474), (374, 26444), (385, 26414), (399, 26411), (445, 26288), (488, 26192), (496, 26159),

Gene: Bandik_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Bandik_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Barnyard_72 Start: 49524, Stop: 50783, Start Num: 63
Candidate Starts for Barnyard_72:
(39, 49479), (40, 49482), (42, 49488), (Start: 63 @49524 has 48 MA's), (Start: 75 @49542 has 1 MA's), (Start: 106 @49614 has 22 MA's), (Start: 130 @49668 has 11 MA's), (206, 49833), (210, 49845), (229, 49899), (231, 49905), (276, 50010), (281, 50028), (294, 50073), (324, 50181), (373, 50316), (375, 50325), (392, 50358), (394, 50364), (396, 50370), (426, 50442), (477, 50559), (537, 50751), (542, 50775),

Gene: BaronJohn_35 Start: 25562, Stop: 24384, Start Num: 92
Candidate Starts for BaronJohn_35:
(53, 25634), (Start: 65 @25619 has 42 MA's), (Start: 92 @25562 has 38 MA's), (153, 25448), (267, 25130), (274, 25115), (288, 25064), (350, 24872), (363, 24836), (385, 24776), (399, 24773), (428, 24698), (446, 24647), (492, 24542), (506, 24485),

Gene: Bavilard_42 Start: 31061, Stop: 30012, Start Num: 140
Candidate Starts for Bavilard_42:
(Start: 140 @31061 has 2 MA's), (186, 30944), (208, 30893), (213, 30869), (216, 30860), (224, 30827), (240, 30782), (274, 30680), (299, 30599), (323, 30521), (341, 30473), (379, 30380), (413, 30344), (426, 30311), (428, 30305), (431, 30296), (438, 30281), (446, 30260), (447, 30257), (454, 30245), (502, 30116), (506, 30104), (508, 30098), (513, 30083),

Gene: BeautPeep30_38 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for BeautPeep30_38:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (194, 26859), (248, 26709), (267, 26652), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: Beckerton_66 Start: 50602, Stop: 51891, Start Num: 46
Candidate Starts for Beckerton_66:
(29, 50563), (Start: 41 @50587 has 1 MA's), (Start: 46 @50602 has 9 MA's), (104, 50716), (110, 50734), (129, 50776), (208, 50950), (210, 50956), (229, 51007), (276, 51121), (281, 51139), (282, 51142), (285, 51157), (294, 51178), (330, 51310), (334, 51316), (393, 51454), (418, 51499), (426, 51517), (445, 51571), (476, 51631), (489, 51667), (518, 51763),

Gene: BeeBee8_38 Start: 27373, Stop: 26195, Start Num: 84
Candidate Starts for BeeBee8_38:

(47, 27445), (Start: 81 @27382 has 16 MA's), (Start: 84 @27373 has 138 MA's), (153, 27247), (154, 27244), (241, 27013), (267, 26938), (274, 26923), (363, 26644), (374, 26614), (385, 26584), (399, 26581), (445, 26458), (488, 26362), (496, 26329),

Gene: Beethoven_41 Start: 27476, Stop: 28423, Start Num: 137
Candidate Starts for Beethoven_41:
(Start: 137 @27476 has 77 MA's), (167, 27545), (192, 27608), (197, 27620), (Start: 198 @27623 has 1 MA's), (209, 27647), (245, 27743), (263, 27791), (272, 27821), (281, 27848), (304, 27920), (364, 28070), (368, 28079), (427, 28166), (444, 28214), (477, 28274), (498, 28349), (500, 28352), (509, 28379), (511, 28382),

Gene: Benjalauren_38 Start: 26783, Stop: 25608, Start Num: 84
Candidate Starts for Benjalauren_38:
(28, 26903), (50, 26852), (Start: 81 @26792 has 16 MA's), (Start: 84 @26783 has 138 MA's), (153, 26660), (Start: 157 @26645 has 1 MA's), (194, 26558), (248, 26408), (267, 26351), (274, 26336), (363, 26057), (374, 26027), (385, 25997), (399, 25994), (438, 25889), (445, 25871), (450, 25859), (467, 25826), (488, 25775), (496, 25742),

Gene: Bennie_39 Start: 26287, Stop: 27234, Start Num: 137
Candidate Starts for Bennie_39:
(Start: 137 @26287 has 77 MA's), (192, 26419), (197, 26431), (Start: 198 @26434 has 1 MA's), (209, 26458), (245, 26554), (263, 26602), (281, 26659), (304, 26731), (306, 26740), (364, 26881), (368, 26890), (427, 26977), (477, 27085), (498, 27160), (500, 27163), (509, 27190), (511, 27193),

Gene: Benry_42 Start: 26004, Stop: 27011, Start Num: 106
Candidate Starts for Benry_42:
(Start: 106 @26004 has 22 MA's), (165, 26133), (Start: 198 @26214 has 1 MA's), (263, 26361), (327, 26568), (330, 26580), (366, 26643), (375, 26670), (378, 26676), (431, 26760), (436, 26775), (498, 26937),

Gene: Beyoncage_54 Start: 40427, Stop: 41632, Start Num: 32
Candidate Starts for Beyoncage_54:
(Start: 32 @40427 has 4 MA's), (Start: 62 @40487 has 5 MA's), (Start: 67 @40496 has 11 MA's), (131, 40634), (151, 40658), (218, 40811), (229, 40844), (334, 41090), (335, 41093), (336, 41099), (343, 41114), (396, 41234), (426, 41282), (436, 41312), (438, 41318), (450, 41348), (468, 41381), (477, 41399), (478, 41405), (504, 41486), (515, 41516), (518, 41528), (537, 41591),

Gene: BiPauneto_69 Start: 51654, Stop: 50455, Start Num: 66
Candidate Starts for BiPauneto_69:
(Start: 66 @51654 has 52 MA's), (Start: 174 @51435 has 2 MA's), (183, 51411), (Start: 198 @51375 has 1 MA's), (199, 51372), (200, 51369), (210, 51342), (219, 51324), (238, 51267), (316, 51069), (320, 51057), (340, 50991), (350, 50964), (374, 50904), (408, 50811), (413, 50796), (425, 50766), (426, 50763), (430, 50751), (445, 50709), (477, 50646), (479, 50637), (512, 50535), (514, 50529), (521, 50505),

Gene: Big4_102 Start: 76433, Stop: 75498, Start Num: 169
Candidate Starts for Big4_102:
(Start: 169 @76433 has 6 MA's), (211, 76331), (214, 76328), (218, 76316), (229, 76280), (251, 76226), (271, 76175), (280, 76148), (283, 76136), (308, 76052), (315, 76046), (322, 76031), (328, 76007), (349, 75953), (372, 75890), (462, 75707), (463, 75704), (482, 75659), (506, 75593), (515, 75566),

Gene: BigChungus_42 Start: 31250, Stop: 30192, Start Num: 136
Candidate Starts for BigChungus_42:

(125, 31274), (Start: 136 @31250 has 10 MA's), (186, 31124), (197, 31097), (208, 31073), (216, 31040), (224, 31007), (240, 30962), (274, 30860), (299, 30779), (323, 30701), (341, 30653), (348, 30641), (379, 30560), (413, 30524), (426, 30491), (428, 30485), (431, 30476), (438, 30461), (446, 30440), (454, 30425), (502, 30296), (506, 30284), (508, 30278), (513, 30263),

Gene: BigMack_39 Start: 26387, Stop: 27334, Start Num: 137
Candidate Starts for BigMack_39:
(Start: 137 @26387 has 77 MA's), (163, 26444), (167, 26456), (192, 26519), (197, 26531), (Start: 198 @26534 has 1 MA's), (209, 26558), (245, 26654), (263, 26702), (272, 26732), (281, 26759), (304, 26831), (364, 26981), (368, 26990), (427, 27077), (444, 27125), (477, 27185), (498, 27260), (500, 27263), (509, 27290), (511, 27293),

Gene: BigMama_55 Start: 43123, Stop: 44301, Start Num: 63
Candidate Starts for BigMama_55:
(6, 42841), (8, 42871), (14, 42934), (Start: 63 @43123 has 48 MA's), (Start: 83 @43171 has 3 MA's), (102, 43210), (Start: 106 @43222 has 22 MA's), (161, 43321), (188, 43384), (210, 43438), (229, 43486), (272, 43552), (308, 43666), (316, 43693), (324, 43723), (338, 43768), (441, 44002), (473, 44068), (477, 44077), (479, 44086), (520, 44212), (542, 44293),

Gene: BigRedClifford_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for BigRedClifford_38:
(50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: BillDoor_41 Start: 29137, Stop: 28103, Start Num: 145
Candidate Starts for BillDoor_41:
(90, 29266), (101, 29236), (120, 29182), (126, 29173), (Start: 145 @29137 has 28 MA's), (170, 29062), (221, 28942), (240, 28879), (243, 28870), (274, 28777), (316, 28642), (410, 28453), (431, 28396), (440, 28378), (446, 28360), (486, 28276),

Gene: BirthdayBoy_67 Start: 44385, Stop: 45602, Start Num: 65
Candidate Starts for BirthdayBoy_67:
(Start: 65 @44385 has 42 MA's), (74, 44400), (Start: 130 @44529 has 11 MA's), (Start: 181 @44619 has 5 MA's), (182, 44622), (Start: 198 @44658 has 1 MA's), (210, 44691), (272, 44805), (282, 44832), (294, 44871), (296, 44886), (307, 44916), (316, 44946), (324, 44976), (340, 45024), (445, 45315), (473, 45369), (477, 45378), (479, 45387), (489, 45411), (517, 45504), (542, 45594),

Gene: Biskit_43 Start: 29824, Stop: 28796, Start Num: 145
Candidate Starts for Biskit_43:
(90, 29953), (101, 29923), (Start: 119 @29869 has 1 MA's), (124, 29860), (Start: 145 @29824 has 28 MA's), (221, 29629), (240, 29566), (281, 29440), (288, 29416), (316, 29329), (333, 29278), (406, 29149), (431, 29083), (440, 29065), (446, 29047), (486, 28963), (513, 28870),

Gene: BiteSize_54 Start: 40513, Stop: 41718, Start Num: 32
Candidate Starts for BiteSize_54:
(Start: 32 @40513 has 4 MA's), (Start: 62 @40573 has 5 MA's), (Start: 67 @40582 has 11 MA's), (131, 40720), (151, 40744), (218, 40897), (229, 40930), (334, 41176), (335, 41179), (336, 41185), (343, 41200), (396, 41320), (426, 41368), (436, 41398), (438, 41404), (450, 41434), (468, 41467), (477, 41485), (478, 41491), (504, 41572), (515, 41602), (518, 41614), (537, 41677),

Gene: Blage_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for Blage_38:

(50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Blondies_44 Start: 30140, Stop: 29112, Start Num: 145
Candidate Starts for Blondies_44:
(Start: 145 @30140 has 28 MA's), (221, 29945), (240, 29882), (281, 29756), (299, 29699), (316, 29645), (333, 29594), (406, 29465), (431, 29399), (440, 29381), (446, 29363), (492, 29261), (513, 29186),

Gene: Bloom_107 Start: 83495, Stop: 84466, Start Num: 162
Candidate Starts for Bloom_107:
(Start: 162 @83495 has 13 MA's), (171, 83519), (Start: 181 @83540 has 5 MA's), (221, 83639), (225, 83654), (233, 83678), (245, 83711), (283, 83828), (286, 83843), (322, 83939), (325, 83948), (363, 84053), (369, 84068), (372, 84077), (419, 84152), (433, 84194), (453, 84245), (463, 84266), (505, 84374), (515, 84404),

Gene: BlueNGold_164 Start: 94575, Stop: 93583, Start Num: 160
Candidate Starts for BlueNGold_164:
(152, 94599), (Start: 160 @94575 has 4 MA's), (202, 94473), (229, 94401), (283, 94248), (309, 94158), (353, 94050), (355, 94041), (368, 94011), (369, 94008), (372, 93999), (403, 93954), (413, 93930), (442, 93849), (451, 93828), (473, 93786), (505, 93699), (506, 93696), (515, 93669), (533, 93606), (534, 93603),

Gene: BobtimousPrime_70 Start: 50871, Stop: 52193, Start Num: 46
Candidate Starts for BobtimousPrime_70:
(29, 50832), (Start: 41 @50856 has 1 MA's), (Start: 46 @50871 has 9 MA's), (104, 50985), (Start: 106 @50994 has 22 MA's), (110, 51003), (129, 51045), (208, 51219), (210, 51225), (229, 51276), (276, 51423), (281, 51441), (282, 51444), (285, 51459), (294, 51480), (330, 51612), (334, 51618), (418, 51801), (426, 51819), (445, 51873), (476, 51933), (489, 51969), (518, 52065),

Gene: Bodacious_39 Start: 26343, Stop: 27293, Start Num: 137
Candidate Starts for Bodacious_39:
(Start: 137 @26343 has 77 MA's), (154, 26376), (167, 26412), (192, 26475), (197, 26487), (Start: 198 @26490 has 1 MA's), (209, 26514), (245, 26610), (263, 26658), (266, 26673), (281, 26715), (287, 26739), (304, 26787), (351, 26913), (363, 26937), (364, 26940), (368, 26949), (444, 27084), (477, 27144), (498, 27219), (500, 27222), (509, 27249), (511, 27252),

Gene: Bogota_51 Start: 36181, Stop: 37179, Start Num: 130
Candidate Starts for Bogota_51:
(9, 35788), (26, 35944), (59, 36022), (Start: 127 @36175 has 4 MA's), (Start: 130 @36181 has 11 MA's), (Start: 198 @36346 has 1 MA's), (209, 36370), (251, 36478), (261, 36511), (266, 36535), (285, 36595), (301, 36625), (303, 36631), (306, 36643), (307, 36646), (313, 36670), (318, 36679), (327, 36715), (368, 36805), (421, 36901), (459, 37000), (464, 37012), (521, 37156),

Gene: BonesMcCoy_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for BonesMcCoy_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Bonino_37 Start: 26756, Stop: 25581, Start Num: 84
Candidate Starts for Bonino_37:

(28, 26876), (50, 26825), (Start: 81 @26765 has 16 MA's), (Start: 84 @26756 has 138 MA's), (153, 26633), (Start: 157 @26618 has 1 MA's), (248, 26381), (267, 26324), (363, 26030), (374, 26000), (385, 25970), (399, 25967), (438, 25862), (445, 25844), (450, 25832), (467, 25799), (488, 25748), (496, 25715),

Gene: Bonum_70 Start: 52948, Stop: 51740, Start Num: 66
Candidate Starts for Bonum_70:
(Start: 66 @52948 has 52 MA's), (Start: 174 @52726 has 2 MA's), (183, 52702), (189, 52687), (199, 52663), (200, 52660), (210, 52633), (238, 52558), (289, 52441), (320, 52345), (340, 52279), (384, 52168), (397, 52120), (408, 52099), (424, 52057), (430, 52039), (445, 51997), (473, 51943), (477, 51934), (479, 51925), (514, 51817),

Gene: BooTeria_93 Start: 80012, Stop: 80938, Start Num: 181
Candidate Starts for BooTeria_93:
(171, 79991), (Start: 181 @80012 has 5 MA's), (211, 80087), (225, 80126), (283, 80300), (286, 80315), (309, 80390), (324, 80417), (325, 80420), (330, 80441), (354, 80504), (363, 80525), (369, 80540), (373, 80552), (453, 80717), (463, 80738), (501, 80837), (505, 80846), (515, 80876),

Gene: Boopy_167 Start: 94586, Stop: 93594, Start Num: 160
Candidate Starts for Boopy_167:
(152, 94610), (Start: 160 @94586 has 4 MA's), (202, 94484), (229, 94412), (283, 94259), (309, 94169), (353, 94061), (355, 94052), (368, 94022), (369, 94019), (372, 94010), (403, 93965), (413, 93941), (442, 93860), (451, 93839), (473, 93797), (505, 93710), (506, 93707), (515, 93680), (533, 93617), (534, 93614),

Gene: BouleyBill_35 Start: 26662, Stop: 25499, Start Num: 81
Candidate Starts for BouleyBill_35:
(50, 26722), (Start: 81 @26662 has 16 MA's), (139, 26572), (153, 26536), (154, 26533), (241, 26302), (267, 26227), (274, 26212), (282, 26185), (343, 26005), (423, 25825), (428, 25810), (496, 25633), (506, 25597), (518, 25558),

Gene: Bramble_46 Start: 29758, Stop: 30855, Start Num: 70
Candidate Starts for Bramble_46:
(Start: 36 @29704 has 1 MA's), (Start: 70 @29758 has 5 MA's), (Start: 72 @29761 has 1 MA's), (Start: 75 @29767 has 1 MA's), (185, 29977), (187, 29983), (206, 30028), (210, 30040), (235, 30103), (246, 30136), (294, 30241), (345, 30403), (422, 30538), (430, 30562), (504, 30754), (518, 30802),

Gene: Braxoaddie_67 Start: 50055, Stop: 48892, Start Num: 63
Candidate Starts for Braxoaddie_67:
(16, 50193), (38, 50085), (Start: 63 @50055 has 48 MA's), (163, 49857), (210, 49734), (217, 49722), (282, 49596), (289, 49569), (340, 49407), (395, 49263), (418, 49224), (426, 49200), (477, 49083), (478, 49077), (518, 48951),

Gene: BrotherBLo_41 Start: 27508, Stop: 28455, Start Num: 137
Candidate Starts for BrotherBLo_41:
(Start: 137 @27508 has 77 MA's), (167, 27577), (192, 27640), (197, 27652), (Start: 198 @27655 has 1 MA's), (209, 27679), (245, 27775), (263, 27823), (272, 27853), (281, 27880), (304, 27952), (364, 28102), (368, 28111), (427, 28198), (444, 28246), (477, 28306), (498, 28381), (500, 28384), (509, 28411), (511, 28414),

Gene: Bubble_39 Start: 29378, Stop: 28347, Start Num: 145
Candidate Starts for Bubble_39:

(Start: 141 @29384 has 1 MA's), (Start: 145 @29378 has 28 MA's), (240, 29120), (260, 29063), (281, 28994), (294, 28961), (316, 28883), (333, 28832), (431, 28637), (440, 28619), (446, 28601), (486, 28517), (492, 28499),

Gene: Buggaboo_68 Start: 53499, Stop: 52291, Start Num: 66
Candidate Starts for Buggaboo_68:
(Start: 66 @53499 has 52 MA's), (Start: 174 @53277 has 2 MA's), (183, 53253), (199, 53214), (200, 53211), (210, 53184), (219, 53166), (238, 53109), (320, 52896), (340, 52830), (384, 52719), (397, 52671), (430, 52590), (445, 52548), (473, 52494), (477, 52485), (479, 52476), (514, 52368),

Gene: Burnsey_41 Start: 29782, Stop: 28751, Start Num: 145
Candidate Starts for Burnsey_41:
(Start: 141 @29788 has 1 MA's), (Start: 145 @29782 has 28 MA's), (213, 29611), (240, 29524), (260, 29467), (281, 29398), (294, 29365), (316, 29287), (333, 29236), (431, 29041), (440, 29023), (446, 29005), (486, 28921), (492, 28903),

Gene: Bustleton_36 Start: 26665, Stop: 25502, Start Num: 81
Candidate Starts for Bustleton_36:
(50, 26725), (Start: 81 @26665 has 16 MA's), (139, 26575), (153, 26539), (154, 26536), (241, 26305), (267, 26230), (274, 26215), (282, 26188), (343, 26008), (357, 25963), (423, 25828), (428, 25813), (496, 25636), (506, 25600), (518, 25561),

Gene: Butterscotch_56 Start: 43107, Stop: 44285, Start Num: 63
Candidate Starts for Butterscotch_56:
(6, 42825), (8, 42855), (14, 42918), (Start: 63 @43107 has 48 MA's), (Start: 83 @43155 has 3 MA's), (102, 43194), (Start: 106 @43206 has 22 MA's), (161, 43305), (188, 43368), (210, 43422), (229, 43470), (272, 43536), (308, 43650), (316, 43677), (324, 43707), (338, 43752), (441, 43986), (473, 44052), (477, 44061), (479, 44070), (520, 44196), (542, 44277),

Gene: Button_45 Start: 30428, Stop: 29406, Start Num: 138
Candidate Starts for Button_45:
(Start: 138 @30428 has 3 MA's), (197, 30281), (213, 30251), (240, 30164), (260, 30107), (274, 30062), (281, 30038), (283, 30032), (299, 29981), (316, 29927), (323, 29903), (333, 29876), (426, 29699), (431, 29684), (452, 29636), (492, 29546),

Gene: Buttrmlkdreams_43 Start: 30271, Stop: 29240, Start Num: 145
Candidate Starts for Buttrmlkdreams_43:
(90, 30400), (101, 30370), (Start: 119 @30316 has 1 MA's), (124, 30307), (Start: 145 @30271 has 28 MA's), (197, 30130), (240, 30013), (260, 29956), (281, 29887), (294, 29854), (316, 29776), (333, 29725), (431, 29530), (440, 29512), (446, 29494), (492, 29392),

Gene: Byron23_38 Start: 27081, Stop: 25906, Start Num: 84
Candidate Starts for Byron23_38:
(28, 27201), (50, 27150), (Start: 81 @27090 has 16 MA's), (Start: 84 @27081 has 138 MA's), (153, 26958), (Start: 157 @26943 has 1 MA's), (248, 26706), (267, 26649), (274, 26634), (363, 26355), (374, 26325), (385, 26295), (399, 26292), (438, 26187), (445, 26169), (450, 26157), (467, 26124), (488, 26073), (496, 26040),

Gene: C3PO_69 Start: 50533, Stop: 49421, Start Num: 69
Candidate Starts for C3PO_69:
(Start: 69 @50533 has 8 MA's), (129, 50398), (163, 50347), (191, 50284), (210, 50233), (226, 50191), (238, 50158), (277, 50095), (280, 50086), (282, 50077), (294, 50041), (307, 49987), (370, 49804), (466, 49615), (477, 49594), (488, 49564), (508, 49492), (515, 49477), (517, 49468),

Gene: Calix_37 Start: 26763, Stop: 25588, Start Num: 84
Candidate Starts for Calix_37:
(28, 26883), (50, 26832), (Start: 81 @26772 has 16 MA's), (Start: 84 @26763 has 138 MA's), (153, 26640), (164, 26607), (248, 26388), (267, 26331), (363, 26037), (374, 26007), (385, 25977), (399, 25974), (438, 25869), (445, 25851), (450, 25839), (467, 25806), (488, 25755), (496, 25722),

Gene: CallieOMalley_41 Start: 27545, Stop: 28492, Start Num: 137
Candidate Starts for CallieOMalley_41:
(Start: 137 @27545 has 77 MA's), (197, 27689), (Start: 198 @27692 has 1 MA's), (Start: 203 @27707 has 1 MA's), (219, 27734), (240, 27797), (245, 27812), (263, 27860), (278, 27905), (281, 27917), (287, 27941), (326, 28067), (363, 28136), (364, 28139), (444, 28283), (477, 28343), (498, 28418), (500, 28421), (509, 28448), (511, 28451),

Gene: Candle_67 Start: 51720, Stop: 52889, Start Num: 67
Candidate Starts for Candle_67:
(Start: 67 @51720 has 11 MA's), (74, 51735), (91, 51777), (Start: 106 @51810 has 22 MA's), (205, 52011), (210, 52026), (274, 52158), (294, 52221), (296, 52236), (324, 52326), (332, 52353), (422, 52554), (424, 52560), (426, 52566), (475, 52677), (477, 52683), (518, 52815), (536, 52875),

Gene: CanesSauce_40 Start: 29639, Stop: 28605, Start Num: 145
Candidate Starts for CanesSauce_40:
(Start: 145 @29639 has 28 MA's), (170, 29564), (221, 29444), (240, 29381), (274, 29279), (316, 29144), (406, 28964), (410, 28955), (431, 28898), (440, 28880), (446, 28862), (486, 28778),

Gene: Canowicakte_41 Start: 27580, Stop: 28527, Start Num: 137
Candidate Starts for Canowicakte_41:
(Start: 137 @27580 has 77 MA's), (197, 27724), (Start: 198 @27727 has 1 MA's), (Start: 203 @27742 has 1 MA's), (219, 27769), (240, 27832), (245, 27847), (263, 27895), (278, 27940), (281, 27952), (287, 27976), (326, 28102), (363, 28171), (364, 28174), (444, 28318), (477, 28378), (498, 28453), (500, 28456), (509, 28483), (511, 28486),

Gene: CaptainRex_35 Start: 24974, Stop: 23796, Start Num: 92
Candidate Starts for CaptainRex_35:
(53, 25046), (Start: 65 @25031 has 42 MA's), (Start: 92 @24974 has 38 MA's), (153, 24860), (267, 24542), (274, 24527), (288, 24476), (350, 24284), (363, 24248), (385, 24188), (399, 24185), (428, 24110), (446, 24059), (492, 23954), (506, 23897),

Gene: CaramelLatte_40 Start: 29639, Stop: 28605, Start Num: 145
Candidate Starts for CaramelLatte_40:
(Start: 145 @29639 has 28 MA's), (170, 29564), (221, 29444), (240, 29381), (274, 29279), (316, 29144), (406, 28964), (410, 28955), (431, 28898), (440, 28880), (446, 28862), (486, 28778),

Gene: CardboardBox_38 Start: 24528, Stop: 23596, Start Num: 177
Candidate Starts for CardboardBox_38:
(Start: 177 @24528 has 11 MA's), (238, 24369), (256, 24324), (303, 24162), (322, 24123), (359, 24021), (368, 24000), (376, 23973), (413, 23934), (435, 23874), (453, 23829), (479, 23772), (482, 23763), (488, 23760), (501, 23709), (505, 23700), (518, 23658), (522, 23646),

Gene: CarisSwetlik_40 Start: 27982, Stop: 26804, Start Num: 84
Candidate Starts for CarisSwetlik_40:
(47, 28054), (Start: 84 @27982 has 138 MA's), (123, 27919), (153, 27856), (235, 27640), (267, 27547), (274, 27532), (350, 27289), (363, 27253), (374, 27223), (385, 27193), (445, 27067), (467, 27022),

(496, 26938), (518, 26863),

Gene: Carostasia_35 Start: 26513, Stop: 25335, Start Num: 92
Candidate Starts for Carostasia_35:
(Start: 92 @26513 has 38 MA's), (Start: 148 @26414 has 1 MA's), (153, 26399), (Start: 157 @26384 has 1 MA's), (242, 26162), (262, 26105), (264, 26093), (267, 26081), (274, 26066), (288, 26015), (363, 25787), (374, 25757), (385, 25727), (399, 25724), (423, 25664), (428, 25649), (446, 25598), (467, 25556), (488, 25505), (496, 25472), (506, 25436),

Gene: Carpal_41 Start: 27488, Stop: 28435, Start Num: 137
Candidate Starts for Carpal_41:
(Start: 137 @27488 has 77 MA's), (167, 27557), (192, 27620), (197, 27632), (Start: 198 @27635 has 1 MA's), (209, 27659), (245, 27755), (263, 27803), (272, 27833), (281, 27860), (304, 27932), (364, 28082), (368, 28091), (427, 28178), (444, 28226), (477, 28286), (498, 28361), (500, 28364), (509, 28391), (511, 28394),

Gene: Carsonalex_44 Start: 29819, Stop: 28788, Start Num: 145
Candidate Starts for Carsonalex_44:
(90, 29948), (101, 29918), (Start: 119 @29864 has 1 MA's), (124, 29855), (Start: 145 @29819 has 28 MA's), (197, 29678), (240, 29561), (260, 29504), (281, 29435), (294, 29402), (316, 29324), (333, 29273), (431, 29078), (440, 29060), (446, 29042), (486, 28958), (492, 28940),

Gene: Casey_34 Start: 25918, Stop: 24758, Start Num: 84
Candidate Starts for Casey_34:
(50, 25987), (Start: 71 @25954 has 1 MA's), (Start: 84 @25918 has 138 MA's), (133, 25843), (153, 25798), (Start: 198 @25684 has 1 MA's), (229, 25597), (267, 25489), (288, 25423), (385, 25150), (445, 25024), (477, 24961), (488, 24928), (496, 24895), (506, 24859),

Gene: Cborch11_69 Start: 50121, Stop: 51410, Start Num: 46
Candidate Starts for Cborch11_69:
(29, 50082), (Start: 41 @50106 has 1 MA's), (Start: 46 @50121 has 9 MA's), (104, 50235), (Start: 106 @50244 has 22 MA's), (110, 50253), (129, 50295), (208, 50469), (210, 50475), (229, 50526), (276, 50640), (281, 50658), (282, 50661), (285, 50676), (294, 50697), (330, 50829), (334, 50835), (418, 51018), (426, 51036), (438, 51072), (445, 51090), (476, 51150), (489, 51186), (518, 51282),

Gene: Cece_96 Start: 79474, Stop: 78539, Start Num: 169
Candidate Starts for Cece_96:
(Start: 169 @79474 has 6 MA's), (Start: 173 @79465 has 1 MA's), (204, 79390), (223, 79339), (245, 79279), (271, 79216), (280, 79189), (283, 79177), (308, 79093), (315, 79087), (317, 79084), (322, 79072), (328, 79048), (349, 78994), (369, 78940), (372, 78931), (373, 78928), (462, 78748), (463, 78745), (466, 78739), (482, 78700), (505, 78637), (506, 78634),

Gene: Chako_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Chako_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: ChamoyPickle_39 Start: 25068, Stop: 24136, Start Num: 177
Candidate Starts for ChamoyPickle_39:
(Start: 177 @25068 has 11 MA's), (238, 24909), (256, 24864), (303, 24702), (322, 24663), (359, 24561), (368, 24540), (376, 24513), (413, 24474), (435, 24414), (453, 24369), (479, 24312), (482,

24303), (488, 24300), (501, 24249), (505, 24240), (518, 24198), (522, 24186),

Gene: Chamuel_37 Start: 26756, Stop: 25581, Start Num: 84
Candidate Starts for Chamuel_37:
(28, 26876), (50, 26825), (Start: 81 @26765 has 16 MA's), (Start: 84 @26756 has 138 MA's), (153, 26633), (164, 26600), (248, 26381), (267, 26324), (363, 26030), (374, 26000), (385, 25970), (399, 25967), (438, 25862), (445, 25844), (450, 25832), (467, 25799), (488, 25748), (496, 25715),

Gene: Charminar_64 Start: 42419, Stop: 43636, Start Num: 65
Candidate Starts for Charminar_64:
(Start: 65 @42419 has 42 MA's), (74, 42434), (Start: 130 @42563 has 11 MA's), (Start: 181 @42653 has 5 MA's), (182, 42656), (Start: 198 @42692 has 1 MA's), (210, 42725), (272, 42839), (282, 42866), (294, 42905), (296, 42920), (307, 42950), (316, 42980), (324, 43010), (340, 43058), (408, 43247), (473, 43403), (477, 43412), (479, 43421), (489, 43445), (504, 43499), (517, 43538), (542, 43628),

Gene: Cheeto1_38 Start: 27209, Stop: 26040, Start Num: 84
Candidate Starts for Cheeto1_38:
(31, 27317), (47, 27281), (50, 27278), (Start: 84 @27209 has 138 MA's), (153, 27098), (241, 26864), (262, 26813), (274, 26774), (363, 26495), (410, 26408), (445, 26309), (467, 26264), (496, 26180), (502, 26156), (506, 26144), (518, 26105),

Gene: Chepli_38 Start: 26309, Stop: 25146, Start Num: 92
Candidate Starts for Chepli_38:
(Start: 92 @26309 has 38 MA's), (111, 26297), (153, 26198), (154, 26195), (221, 26033), (267, 25889), (274, 25874), (288, 25823), (318, 25733), (363, 25595), (374, 25565), (385, 25535), (423, 25472), (428, 25457), (506, 25244),

Gene: CherryonLim_44 Start: 32388, Stop: 31330, Start Num: 136
Candidate Starts for CherryonLim_44:
(125, 32412), (Start: 136 @32388 has 10 MA's), (186, 32262), (197, 32235), (208, 32211), (216, 32178), (224, 32145), (240, 32100), (274, 31998), (299, 31917), (323, 31839), (331, 31815), (341, 31791), (348, 31779), (379, 31698), (426, 31629), (428, 31623), (431, 31614), (446, 31578), (454, 31563), (502, 31434), (506, 31422), (508, 31416), (513, 31401),

Gene: ChewChew_39 Start: 26335, Stop: 27285, Start Num: 137
Candidate Starts for ChewChew_39:
(Start: 137 @26335 has 77 MA's), (192, 26467), (197, 26479), (Start: 198 @26482 has 1 MA's), (209, 26506), (245, 26602), (263, 26650), (281, 26707), (287, 26731), (302, 26773), (304, 26779), (351, 26905), (363, 26929), (364, 26932), (368, 26941), (444, 27076), (477, 27136), (498, 27211), (509, 27241), (511, 27244),

Gene: ChewyVIII_80 Start: 59181, Stop: 57982, Start Num: 44
Candidate Starts for ChewyVIII_80:
(12, 59355), (Start: 44 @59181 has 1 MA's), (60, 59148), (Start: 99 @59064 has 1 MA's), (200, 58863), (208, 58842), (210, 58836), (217, 58824), (238, 58761), (279, 58707), (282, 58695), (291, 58662), (307, 58614), (373, 58422), (413, 58314), (416, 58308), (445, 58227), (497, 58095), (499, 58089), (501, 58086), (530, 57990),

Gene: ChickenKing_37 Start: 27122, Stop: 25956, Start Num: 84
Candidate Starts for ChickenKing_37:
(31, 27230), (47, 27194), (50, 27191), (Start: 84 @27122 has 138 MA's), (153, 27011), (241, 26777), (262, 26726), (274, 26687), (363, 26408), (410, 26321), (445, 26222), (467, 26177), (496, 26093), (502, 26069), (506, 26057), (518, 26018),

Gene: ChickenTender_44 Start: 29703, Stop: 28672, Start Num: 145
Candidate Starts for ChickenTender_44:
(Start: 145 @29703 has 28 MA's), (Start: 148 @29691 has 1 MA's), (213, 29532), (240, 29445), (260, 29388), (281, 29319), (294, 29286), (316, 29208), (333, 29157), (410, 29019), (431, 28962), (440, 28944), (446, 28926), (486, 28842), (492, 28824),

Gene: ChikPic_37 Start: 26815, Stop: 25652, Start Num: 92
Candidate Starts for ChikPic_37:
(Start: 69 @26851 has 8 MA's), (Start: 73 @26842 has 3 MA's), (Start: 92 @26815 has 38 MA's), (153, 26704), (154, 26701), (170, 26656), (241, 26470), (257, 26437), (262, 26419), (267, 26395), (274, 26380), (288, 26329), (318, 26239), (363, 26101), (374, 26071), (385, 26041), (410, 26014), (446, 25912), (488, 25819), (496, 25786), (502, 25762), (506, 25750),

Gene: Chill_59 Start: 43170, Stop: 44348, Start Num: 63
Candidate Starts for Chill_59:
(6, 42888), (8, 42918), (14, 42981), (Start: 63 @43170 has 48 MA's), (Start: 83 @43218 has 3 MA's), (102, 43257), (Start: 106 @43269 has 22 MA's), (161, 43368), (188, 43431), (210, 43485), (229, 43533), (272, 43599), (308, 43713), (316, 43740), (324, 43770), (338, 43815), (441, 44049), (473, 44115), (477, 44124), (479, 44133), (520, 44259), (542, 44340),

Gene: Chilliams_102 Start: 76293, Stop: 77267, Start Num: 162
Candidate Starts for Chilliams_102:
(Start: 162 @76293 has 13 MA's), (171, 76317), (Start: 181 @76338 has 5 MA's), (221, 76437), (245, 76509), (283, 76626), (286, 76641), (325, 76746), (363, 76851), (369, 76866), (374, 76881), (435, 76998), (453, 77043), (463, 77064), (505, 77172), (515, 77202),

Gene: ChipsNGuac_37 Start: 24528, Stop: 23596, Start Num: 177
Candidate Starts for ChipsNGuac_37:
(Start: 177 @24528 has 11 MA's), (238, 24369), (256, 24324), (303, 24162), (322, 24123), (359, 24021), (368, 24000), (376, 23973), (413, 23934), (435, 23874), (453, 23829), (479, 23772), (482, 23763), (488, 23760), (501, 23709), (505, 23700), (518, 23658), (522, 23646),

Gene: Chivey_43 Start: 28072, Stop: 29199, Start Num: 66
Candidate Starts for Chivey_43:
(1, 27679), (3, 27745), (4, 27760), (Start: 66 @28072 has 52 MA's), (Start: 75 @28093 has 1 MA's), (116, 28189), (185, 28303), (210, 28366), (246, 28462), (294, 28567), (338, 28717), (422, 28885), (445, 28951), (475, 29008), (501, 29092), (518, 29149),

Gene: ChocoMunchkin_40 Start: 29639, Stop: 28605, Start Num: 145
Candidate Starts for ChocoMunchkin_40:
(Start: 145 @29639 has 28 MA's), (170, 29564), (221, 29444), (240, 29381), (274, 29279), (316, 29144), (406, 28964), (410, 28955), (431, 28898), (440, 28880), (446, 28862), (486, 28778),

Gene: Cholula_41 Start: 27534, Stop: 28481, Start Num: 137
Candidate Starts for Cholula_41:
(Start: 137 @27534 has 77 MA's), (167, 27603), (192, 27666), (197, 27678), (Start: 198 @27681 has 1 MA's), (209, 27705), (245, 27801), (263, 27849), (272, 27879), (281, 27906), (304, 27978), (364, 28128), (368, 28137), (427, 28224), (444, 28272), (477, 28332), (498, 28407), (500, 28410), (509, 28437), (511, 28440),

Gene: Chridison_38 Start: 27433, Stop: 28383, Start Num: 143
Candidate Starts for Chridison_38:

(111, 27379), (Start: 143 @27433 has 21 MA's), (Start: 198 @27580 has 1 MA's), (207, 27598), (241, 27688), (261, 27739), (272, 27778), (278, 27793), (283, 27811), (302, 27871), (337, 27988), (363, 28027), (368, 28039), (427, 28126), (444, 28174), (477, 28234), (498, 28309), (500, 28312), (509, 28339), (511, 28342),

Gene: Christian_39 Start: 26331, Stop: 27281, Start Num: 137
Candidate Starts for Christian_39:
(Start: 137 @26331 has 77 MA's), (192, 26463), (197, 26475), (Start: 198 @26478 has 1 MA's), (209, 26502), (245, 26598), (263, 26646), (281, 26703), (287, 26727), (304, 26775), (351, 26901), (363, 26925), (364, 26928), (368, 26937), (444, 27072), (477, 27132), (498, 27207), (509, 27237), (511, 27240),

Gene: Christoph_37 Start: 26778, Stop: 25603, Start Num: 84
Candidate Starts for Christoph_37:
(28, 26898), (50, 26847), (Start: 81 @26787 has 16 MA's), (Start: 84 @26778 has 138 MA's), (153, 26655), (Start: 157 @26640 has 1 MA's), (248, 26403), (267, 26346), (274, 26331), (363, 26052), (374, 26022), (385, 25992), (399, 25989), (438, 25884), (445, 25866), (450, 25854), (467, 25821), (488, 25770), (496, 25737),

Gene: Cicada_44 Start: 27802, Stop: 28815, Start Num: 106
Candidate Starts for Cicada_44:
(Start: 106 @27802 has 22 MA's), (Start: 198 @28012 has 1 MA's), (227, 28081), (263, 28165), (281, 28222), (306, 28300), (326, 28369), (327, 28372), (366, 28447), (375, 28474), (436, 28579), (459, 28630), (480, 28678), (498, 28741),

Gene: Cidela_35 Start: 27633, Stop: 26440, Start Num: 84
Candidate Starts for Cidela_35:
(47, 27705), (Start: 84 @27633 has 138 MA's), (153, 27504), (264, 27198), (267, 27186), (274, 27171), (288, 27120), (363, 26892), (374, 26862), (385, 26832), (399, 26829), (410, 26805), (428, 26754), (488, 26610), (506, 26541),

Gene: Clancy_37 Start: 26812, Stop: 25637, Start Num: 84
Candidate Starts for Clancy_37:
(28, 26932), (50, 26881), (Start: 81 @26821 has 16 MA's), (Start: 84 @26812 has 138 MA's), (153, 26689), (Start: 157 @26674 has 1 MA's), (194, 26587), (248, 26437), (267, 26380), (274, 26365), (363, 26086), (374, 26056), (385, 26026), (399, 26023), (438, 25918), (445, 25900), (450, 25888), (467, 25855), (488, 25804), (496, 25771),

Gene: Cleo_37 Start: 29247, Stop: 28195, Start Num: 127
Candidate Starts for Cleo_37:
(Start: 127 @29247 has 4 MA's), (Start: 143 @29217 has 21 MA's), (153, 29187), (197, 29073), (221, 29019), (232, 28977), (240, 28956), (274, 28854), (283, 28824), (307, 28749), (316, 28719), (323, 28695), (380, 28557), (440, 28458), (446, 28440), (448, 28434), (452, 28428), (480, 28371), (488, 28350),

Gene: Clock_35 Start: 27801, Stop: 26626, Start Num: 92
Candidate Starts for Clock_35:
(24, 27945), (53, 27873), (Start: 57 @27867 has 1 MA's), (Start: 92 @27801 has 38 MA's), (153, 27687), (224, 27501), (267, 27369), (274, 27354), (288, 27303), (318, 27213), (385, 27015), (423, 26952), (488, 26793), (496, 26760), (502, 26736), (518, 26685),

Gene: CocoaPuff_43 Start: 31255, Stop: 30197, Start Num: 136
Candidate Starts for CocoaPuff_43:

(125, 31279), (Start: 136 @31255 has 10 MA's), (186, 31129), (197, 31102), (208, 31078), (216, 31045), (224, 31012), (240, 30967), (274, 30865), (299, 30784), (323, 30706), (341, 30658), (348, 30646), (379, 30565), (426, 30496), (428, 30490), (431, 30481), (446, 30445), (454, 30430), (492, 30343), (502, 30301), (506, 30289), (508, 30283), (513, 30268),

Gene: CoffeeBean_67 Start: 50013, Stop: 48850, Start Num: 63
Candidate Starts for CoffeeBean_67:
(16, 50151), (38, 50043), (Start: 63 @50013 has 48 MA's), (163, 49815), (210, 49692), (217, 49680), (282, 49554), (289, 49527), (340, 49365), (395, 49221), (418, 49182), (426, 49158), (477, 49041), (478, 49035), (518, 48909),

Gene: ColaCorta_37 Start: 26805, Stop: 25642, Start Num: 92
Candidate Starts for ColaCorta_37:
(Start: 69 @26841 has 8 MA's), (Start: 73 @26832 has 3 MA's), (Start: 92 @26805 has 38 MA's), (153, 26694), (154, 26691), (170, 26646), (241, 26460), (257, 26427), (262, 26409), (267, 26385), (274, 26370), (288, 26319), (318, 26229), (363, 26091), (374, 26061), (385, 26031), (410, 26004), (446, 25902), (488, 25809), (496, 25776), (502, 25752), (506, 25740),

Gene: Commandaria_67 Start: 53320, Stop: 52109, Start Num: 63
Candidate Starts for Commandaria_67:
(Start: 63 @53320 has 48 MA's), (155, 53140), (Start: 174 @53092 has 2 MA's), (210, 52999), (270, 52876), (272, 52867), (316, 52726), (320, 52714), (340, 52648), (425, 52420), (430, 52405), (445, 52363), (473, 52309), (476, 52303), (477, 52300), (479, 52291), (485, 52276), (514, 52183), (521, 52159),

Gene: Convict_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for Convict_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: CoolCookie_43 Start: 28850, Stop: 30004, Start Num: 66
Candidate Starts for CoolCookie_43:
(1, 28451), (Start: 66 @28850 has 52 MA's), (Start: 75 @28871 has 1 MA's), (185, 29081), (210, 29144), (246, 29240), (294, 29345), (338, 29495), (374, 29585), (388, 29621), (408, 29651), (445, 29756), (475, 29813), (501, 29897), (518, 29954),

Gene: CoraRita_37 Start: 26782, Stop: 25607, Start Num: 84
Candidate Starts for CoraRita_37:
(28, 26902), (50, 26851), (Start: 81 @26791 has 16 MA's), (Start: 84 @26782 has 138 MA's), (153, 26659), (Start: 157 @26644 has 1 MA's), (194, 26557), (248, 26407), (267, 26350), (274, 26335), (363, 26056), (374, 26026), (385, 25996), (399, 25993), (438, 25888), (445, 25870), (450, 25858), (467, 25825), (488, 25774), (496, 25741),

Gene: Cozz_39 Start: 29379, Stop: 28348, Start Num: 142
Candidate Starts for Cozz_39:
(Start: 136 @29385 has 10 MA's), (Start: 142 @29379 has 2 MA's), (213, 29208), (240, 29121), (260, 29064), (281, 28995), (294, 28962), (316, 28884), (333, 28833), (431, 28638), (440, 28620), (446, 28602), (486, 28518), (492, 28500),

Gene: Creature_84 Start: 60061, Stop: 61185, Start Num: 118
Candidate Starts for Creature_84:

(Start: 118 @60061 has 2 MA's), (146, 60118), (153, 60139), (170, 60187), (220, 60328), (240, 60394), (244, 60406), (260, 60451), (262, 60460), (274, 60502), (281, 60526), (283, 60532), (291, 60556), (323, 60661), (331, 60685), (344, 60715), (348, 60724), (446, 60943), (482, 61018), (496, 61051), (506, 61087), (524, 61153), (534, 61177),

Gene: Crestdrop_43 Start: 28106, Stop: 29230, Start Num: 66
Candidate Starts for Crestdrop_43:
(1, 27713), (3, 27779), (4, 27794), (Start: 66 @28106 has 52 MA's), (Start: 75 @28127 has 1 MA's), (185, 28337), (210, 28400), (246, 28496), (294, 28601), (338, 28751), (408, 28880), (445, 28982), (501, 29123), (518, 29180),

Gene: CristinaYang_39 Start: 26331, Stop: 27281, Start Num: 137
Candidate Starts for CristinaYang_39:
(Start: 137 @26331 has 77 MA's), (192, 26463), (197, 26475), (Start: 198 @26478 has 1 MA's), (209, 26502), (245, 26598), (263, 26646), (281, 26703), (287, 26727), (302, 26769), (304, 26775), (351, 26901), (363, 26925), (364, 26928), (368, 26937), (444, 27072), (477, 27132), (498, 27207), (509, 27237), (511, 27240),

Gene: Crosby_51 Start: 35943, Stop: 36941, Start Num: 130
Candidate Starts for Crosby_51:
(26, 35706), (35, 35733), (59, 35784), (Start: 127 @35937 has 4 MA's), (Start: 130 @35943 has 11 MA's), (Start: 198 @36108 has 1 MA's), (209, 36132), (251, 36240), (261, 36273), (266, 36297), (285, 36357), (301, 36387), (303, 36393), (306, 36405), (307, 36408), (318, 36441), (327, 36477), (368, 36567), (421, 36663), (445, 36735), (464, 36774), (521, 36918),

Gene: Cruella_69 Start: 50533, Stop: 49421, Start Num: 69
Candidate Starts for Cruella_69:
(Start: 69 @50533 has 8 MA's), (129, 50398), (163, 50347), (191, 50284), (210, 50233), (226, 50191), (238, 50158), (277, 50095), (280, 50086), (282, 50077), (294, 50041), (307, 49987), (370, 49804), (466, 49615), (477, 49594), (488, 49564), (508, 49492), (515, 49477), (517, 49468),

Gene: Cuke_76 Start: 45241, Stop: 46281, Start Num: 63
Candidate Starts for Cuke_76:
(Start: 63 @45241 has 48 MA's), (Start: 67 @45250 has 11 MA's), (74, 45265), (82, 45286), (116, 45367), (176, 45475), (197, 45526), (214, 45565), (218, 45577), (232, 45619), (281, 45700), (296, 45757), (313, 45811), (324, 45847), (334, 45877), (429, 45961), (445, 46003), (477, 46066), (488, 46096), (517, 46195), (531, 46249),

Gene: Cybele_43 Start: 28820, Stop: 29974, Start Num: 66
Candidate Starts for Cybele_43:
(1, 28421), (Start: 66 @28820 has 52 MA's), (Start: 75 @28841 has 1 MA's), (185, 29051), (210, 29114), (246, 29210), (294, 29315), (338, 29465), (374, 29555), (388, 29591), (408, 29621), (445, 29726), (475, 29783), (501, 29867), (518, 29924),

Gene: Daiboju_39 Start: 27511, Stop: 28464, Start Num: 143
Candidate Starts for Daiboju_39:
(Start: 143 @27511 has 21 MA's), (163, 27568), (Start: 198 @27658 has 1 MA's), (207, 27676), (241, 27766), (261, 27817), (272, 27856), (278, 27871), (283, 27889), (285, 27901), (302, 27949), (337, 28066), (363, 28105), (368, 28117), (477, 28315), (498, 28390), (509, 28420), (511, 28423),

Gene: Dalilpop_70 Start: 54174, Stop: 52993, Start Num: 65
Candidate Starts for Dalilpop_70:

(Start: 65 @54174 has 42 MA's), (Start: 175 @53949 has 1 MA's), (185, 53925), (199, 53889), (210, 53859), (229, 53811), (272, 53748), (324, 53577), (340, 53529), (370, 53454), (374, 53442), (397, 53370), (426, 53301), (477, 53184), (479, 53175), (485, 53160), (521, 53043),

Gene: Damien_67 Start: 50083, Stop: 51372, Start Num: 46
Candidate Starts for Damien_67:
(29, 50044), (Start: 41 @50068 has 1 MA's), (Start: 46 @50083 has 9 MA's), (104, 50197), (110, 50215), (129, 50257), (208, 50431), (210, 50437), (229, 50488), (276, 50602), (281, 50620), (282, 50623), (285, 50638), (294, 50659), (330, 50791), (334, 50797), (393, 50935), (418, 50980), (426, 50998), (445, 51052), (476, 51112), (489, 51148), (518, 51244),

Gene: DannyDe_43 Start: 28078, Stop: 29205, Start Num: 66
Candidate Starts for DannyDe_43:
(1, 27685), (3, 27751), (4, 27766), (Start: 66 @28078 has 52 MA's), (Start: 75 @28099 has 1 MA's), (116, 28195), (185, 28309), (210, 28372), (246, 28468), (294, 28573), (338, 28723), (422, 28891), (445, 28957), (475, 29014), (501, 29098), (518, 29155),

Gene: Darwin_70 Start: 49774, Stop: 48662, Start Num: 69
Candidate Starts for Darwin_70:
(Start: 69 @49774 has 8 MA's), (163, 49588), (210, 49474), (226, 49432), (238, 49399), (277, 49336), (280, 49327), (282, 49318), (294, 49282), (307, 49228), (370, 49045), (466, 48856), (477, 48835), (488, 48805), (508, 48733), (515, 48718), (517, 48709),

Gene: Dauntless_42 Start: 28400, Stop: 29557, Start Num: 66
Candidate Starts for Dauntless_42:
(1, 28007), (4, 28088), (Start: 66 @28400 has 52 MA's), (Start: 75 @28421 has 1 MA's), (185, 28631), (210, 28694), (246, 28790), (294, 28895), (338, 29045), (420, 29237), (422, 29243), (445, 29309), (501, 29450), (518, 29507),

Gene: Dave_38 Start: 27070, Stop: 25895, Start Num: 84
Candidate Starts for Dave_38:
(28, 27190), (50, 27139), (Start: 81 @27079 has 16 MA's), (Start: 84 @27070 has 138 MA's), (153, 26947), (Start: 157 @26932 has 1 MA's), (248, 26695), (267, 26638), (274, 26623), (363, 26344), (374, 26314), (385, 26284), (399, 26281), (438, 26176), (445, 26158), (450, 26146), (467, 26113), (488, 26062), (496, 26029),

Gene: DaviePasture_65 Start: 43993, Stop: 45210, Start Num: 65
Candidate Starts for DaviePasture_65:
(Start: 65 @43993 has 42 MA's), (74, 44008), (Start: 130 @44137 has 11 MA's), (Start: 181 @44227 has 5 MA's), (182, 44230), (Start: 198 @44266 has 1 MA's), (210, 44299), (272, 44413), (282, 44440), (294, 44479), (296, 44494), (307, 44524), (316, 44554), (324, 44584), (340, 44632), (445, 44923), (473, 44977), (477, 44986), (479, 44995), (489, 45019), (517, 45112), (542, 45202),

Gene: Delphidian_38 Start: 27081, Stop: 25906, Start Num: 84
Candidate Starts for Delphidian_38:
(28, 27201), (50, 27150), (Start: 81 @27090 has 16 MA's), (Start: 84 @27081 has 138 MA's), (153, 26958), (Start: 157 @26943 has 1 MA's), (248, 26706), (267, 26649), (363, 26355), (374, 26325), (385, 26295), (399, 26292), (438, 26187), (445, 26169), (450, 26157), (467, 26124), (488, 26073), (496, 26040),

Gene: Delton_58 Start: 43505, Stop: 44683, Start Num: 63
Candidate Starts for Delton_58:

(6, 43223), (8, 43253), (14, 43316), (Start: 63 @43505 has 48 MA's), (Start: 83 @43553 has 3 MA's), (102, 43592), (Start: 106 @43604 has 22 MA's), (161, 43703), (188, 43766), (210, 43820), (229, 43868), (272, 43934), (308, 44048), (316, 44075), (324, 44105), (338, 44150), (441, 44384), (473, 44450), (477, 44459), (479, 44468), (520, 44594), (542, 44675),

Gene: Demikore_83 Start: 52851, Stop: 54083, Start Num: 55
Candidate Starts for Demikore_83:
(Start: 55 @52851 has 4 MA's), (86, 52905), (Start: 106 @52947 has 22 MA's), (110, 52956), (123, 52989), (Start: 135 @53013 has 1 MA's), (206, 53178), (210, 53190), (241, 53271), (277, 53355), (283, 53376), (294, 53418), (334, 53556), (352, 53607), (373, 53658), (405, 53694), (426, 53742), (445, 53796), (477, 53859), (525, 54027), (539, 54069),

Gene: Den3_38 Start: 27087, Stop: 25912, Start Num: 84
Candidate Starts for Den3_38:
(28, 27207), (50, 27156), (Start: 81 @27096 has 16 MA's), (Start: 84 @27087 has 138 MA's), (153, 26964), (194, 26862), (248, 26712), (267, 26655), (363, 26361), (374, 26331), (385, 26301), (399, 26298), (438, 26193), (445, 26175), (450, 26163), (467, 26130), (488, 26079), (496, 26046),

Gene: Dino_42 Start: 27635, Stop: 28582, Start Num: 137
Candidate Starts for Dino_42:
(Start: 137 @27635 has 77 MA's), (192, 27767), (197, 27779), (Start: 198 @27782 has 1 MA's), (209, 27806), (245, 27902), (263, 27950), (272, 27980), (281, 28007), (304, 28079), (364, 28229), (368, 28238), (427, 28325), (444, 28373), (477, 28433), (498, 28508), (509, 28538), (511, 28541),

Gene: Djokovic_54 Start: 40486, Stop: 41631, Start Num: 62
Candidate Starts for Djokovic_54:
(Start: 32 @40426 has 4 MA's), (Start: 62 @40486 has 5 MA's), (Start: 67 @40495 has 11 MA's), (131, 40633), (151, 40657), (218, 40810), (229, 40843), (334, 41089), (335, 41092), (336, 41098), (343, 41113), (396, 41233), (426, 41281), (436, 41311), (438, 41317), (450, 41347), (468, 41380), (477, 41398), (478, 41404), (504, 41485), (515, 41515), (518, 41527), (537, 41590),

Gene: Dodo_115 Start: 77651, Stop: 76725, Start Num: 173
Candidate Starts for Dodo_115:
(Start: 169 @77660 has 6 MA's), (Start: 173 @77651 has 1 MA's), (218, 77543), (251, 77453), (271, 77402), (280, 77375), (283, 77363), (308, 77279), (315, 77273), (328, 77234), (372, 77117), (410, 77066), (462, 76934), (463, 76931), (466, 76925), (482, 76886), (506, 76820), (515, 76793),

Gene: DoobyDoo_64 Start: 43023, Stop: 44186, Start Num: 65
Candidate Starts for DoobyDoo_64:
(Start: 65 @43023 has 42 MA's), (74, 43038), (Start: 130 @43167 has 11 MA's), (Start: 181 @43257 has 5 MA's), (182, 43260), (Start: 198 @43296 has 1 MA's), (210, 43329), (272, 43443), (282, 43470), (294, 43509), (296, 43524), (307, 43554), (316, 43584), (324, 43614), (340, 43662), (408, 43797), (445, 43899), (473, 43953), (477, 43962), (479, 43971), (489, 43995), (517, 44088), (542, 44178),

Gene: Dothraki_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Dothraki_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: DrLupo_75 Start: 50706, Stop: 51980, Start Num: 63
Candidate Starts for DrLupo_75:

(Start: 63 @50706 has 48 MA's), (74, 50730), (Start: 130 @50859 has 11 MA's), (206, 51027), (210, 51039), (229, 51093), (231, 51099), (243, 51132), (256, 51153), (265, 51177), (266, 51183), (281, 51228), (283, 51234), (292, 51267), (293, 51270), (294, 51273), (324, 51381), (373, 51516), (375, 51525), (394, 51564), (396, 51570), (411, 51600), (413, 51606), (426, 51639), (427, 51642), (445, 51693), (457, 51717), (462, 51726), (477, 51756), (518, 51885), (521, 51894), (537, 51948), (542, 51972),

Gene: DrRobert_38 Start: 26111, Stop: 27061, Start Num: 137
Candidate Starts for DrRobert_38:
(Start: 137 @26111 has 77 MA's), (167, 26180), (192, 26243), (197, 26255), (Start: 198 @26258 has 1 MA's), (Start: 203 @26273 has 1 MA's), (207, 26276), (209, 26282), (245, 26378), (263, 26426), (266, 26441), (281, 26483), (287, 26507), (299, 26543), (302, 26549), (304, 26555), (351, 26681), (363, 26705), (364, 26708), (368, 26717), (444, 26852), (477, 26912), (498, 26987), (500, 26990), (509, 27017), (511, 27020),

Gene: Dre3_37 Start: 28990, Stop: 27938, Start Num: 127
Candidate Starts for Dre3_37:
(Start: 127 @28990 has 4 MA's), (Start: 137 @28969 has 77 MA's), (Start: 143 @28960 has 21 MA's), (153, 28930), (197, 28816), (221, 28762), (232, 28720), (240, 28699), (274, 28597), (283, 28567), (307, 28492), (316, 28462), (323, 28438), (380, 28300), (440, 28201), (446, 28183), (448, 28177), (452, 28171), (480, 28114), (488, 28093),

Gene: DreamTeam_39 Start: 26441, Stop: 27388, Start Num: 137
Candidate Starts for DreamTeam_39:
(Start: 137 @26441 has 77 MA's), (167, 26510), (192, 26573), (197, 26585), (Start: 198 @26588 has 1 MA's), (209, 26612), (245, 26708), (263, 26756), (281, 26813), (285, 26831), (299, 26873), (304, 26885), (444, 27179), (477, 27239), (498, 27314), (500, 27317), (509, 27344), (511, 27347),

Gene: Dryad_70 Start: 48069, Stop: 47071, Start Num: 61
Candidate Starts for Dryad_70:
(48, 48093), (Start: 61 @48069 has 7 MA's), (74, 48057), (105, 47985), (107, 47976), (210, 47778), (214, 47775), (282, 47619), (294, 47583), (316, 47508), (320, 47496), (338, 47433), (345, 47421), (430, 47364), (441, 47334), (460, 47292), (475, 47265), (477, 47259), (479, 47250), (501, 47178), (502, 47172),

Gene: DumpTruck_64 Start: 42784, Stop: 43998, Start Num: 65
Candidate Starts for DumpTruck_64:
(51, 42760), (Start: 65 @42784 has 42 MA's), (74, 42796), (Start: 181 @43015 has 5 MA's), (182, 43018), (200, 43060), (210, 43087), (218, 43102), (282, 43228), (296, 43282), (307, 43312), (316, 43342), (337, 43414), (375, 43513), (391, 43561), (393, 43576), (444, 43708), (473, 43765), (477, 43774), (479, 43783), (489, 43807), (517, 43900), (538, 43969), (542, 43990),

Gene: DunneganBoMo_92 Start: 79281, Stop: 80207, Start Num: 181
Candidate Starts for DunneganBoMo_92:
(171, 79260), (Start: 181 @79281 has 5 MA's), (211, 79356), (225, 79395), (283, 79569), (286, 79584), (309, 79659), (324, 79686), (325, 79689), (330, 79710), (354, 79773), (363, 79794), (369, 79809), (373, 79821), (453, 79986), (463, 80007), (501, 80106), (505, 80115), (515, 80145),

Gene: Duocatuli_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Duocatuli_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467,

25810), (488, 25759), (496, 25726),

Gene: ElJefes_44 Start: 31755, Stop: 30697, Start Num: 143
Candidate Starts for ElJefes_44:
(Start: 143 @31755 has 21 MA's), (186, 31638), (197, 31611), (208, 31587), (216, 31554), (224, 31521), (240, 31476), (274, 31374), (299, 31293), (323, 31215), (331, 31191), (341, 31167), (348, 31155), (379, 31074), (426, 31005), (428, 30999), (431, 30990), (446, 30954), (454, 30939), (502, 30810), (506, 30798), (508, 30792), (513, 30777),

Gene: Eleri_37 Start: 26806, Stop: 25643, Start Num: 92
Candidate Starts for Eleri_37:
(Start: 69 @26842 has 8 MA's), (Start: 73 @26833 has 3 MA's), (Start: 92 @26806 has 38 MA's), (153, 26695), (154, 26692), (170, 26647), (241, 26461), (257, 26428), (262, 26410), (267, 26386), (274, 26371), (288, 26320), (318, 26230), (363, 26092), (374, 26062), (385, 26032), (410, 26005), (446, 25903), (488, 25810), (496, 25777), (502, 25753), (506, 25741),

Gene: Elinal_46 Start: 31626, Stop: 30580, Start Num: 144
Candidate Starts for Elinal_46:
(128, 31656), (Start: 140 @31632 has 2 MA's), (Start: 144 @31626 has 2 MA's), (208, 31461), (213, 31437), (216, 31428), (224, 31395), (240, 31350), (274, 31248), (299, 31167), (323, 31089), (341, 31041), (379, 30948), (413, 30912), (426, 30879), (428, 30873), (431, 30864), (438, 30849), (446, 30828), (454, 30813), (502, 30684), (506, 30672), (508, 30666), (513, 30651),

Gene: Eliott_41 Start: 29790, Stop: 28759, Start Num: 145
Candidate Starts for Eliott_41:
(Start: 145 @29790 has 28 MA's), (213, 29619), (240, 29532), (260, 29475), (281, 29406), (294, 29373), (316, 29295), (333, 29244), (431, 29049), (440, 29031), (446, 29013), (486, 28929), (492, 28911),

Gene: Ellewin_91 Start: 78692, Stop: 79618, Start Num: 181
Candidate Starts for Ellewin_91:
(171, 78671), (Start: 181 @78692 has 5 MA's), (211, 78767), (225, 78806), (283, 78980), (286, 78995), (309, 79070), (324, 79097), (325, 79100), (330, 79121), (354, 79184), (363, 79205), (369, 79220), (373, 79232), (453, 79397), (463, 79418), (501, 79517), (505, 79526), (515, 79556),

Gene: Emalyn_41 Start: 29228, Stop: 28200, Start Num: 145
Candidate Starts for Emalyn_41:
(Start: 145 @29228 has 28 MA's), (221, 29033), (240, 28970), (274, 28868), (281, 28844), (299, 28787), (316, 28733), (333, 28682), (406, 28553), (410, 28544), (431, 28487), (440, 28469), (446, 28451), (486, 28367),

Gene: Emianna_66 Start: 53297, Stop: 52098, Start Num: 63
Candidate Starts for Emianna_66:
(Start: 63 @53297 has 48 MA's), (199, 53009), (200, 53006), (208, 52985), (210, 52979), (316, 52706), (320, 52694), (324, 52676), (335, 52643), (340, 52628), (374, 52541), (408, 52454), (413, 52439), (425, 52409), (426, 52406), (445, 52352), (475, 52295), (476, 52292), (477, 52289), (479, 52280), (514, 52172), (521, 52148),

Gene: Emmetator_95 Start: 79350, Stop: 80162, Start Num: 225
Candidate Starts for Emmetator_95:
(Start: 162 @79191 has 13 MA's), (171, 79215), (Start: 181 @79236 has 5 MA's), (211, 79311), (225, 79350), (283, 79524), (286, 79539), (291, 79548), (309, 79614), (324, 79641), (325, 79644), (330, 79665), (354, 79728), (363, 79749), (369, 79764), (373, 79776), (453, 79941), (463, 79962), (501,

80061), (505, 80070), (515, 80100),

Gene: Endor_38 Start: 27441, Stop: 26254, Start Num: 81
Candidate Starts for Endor_38:
(47, 27504), (Start: 81 @27441 has 16 MA's), (Start: 84 @27432 has 138 MA's), (153, 27306), (154, 27303), (241, 27072), (248, 27054), (267, 26997), (274, 26982), (350, 26739), (363, 26703), (385, 26643), (399, 26640), (402, 26634), (445, 26517), (488, 26421), (496, 26388),

Gene: Ennea_73 Start: 54279, Stop: 53080, Start Num: 54
Candidate Starts for Ennea_73:
(Start: 54 @54279 has 2 MA's), (Start: 58 @54270 has 6 MA's), (161, 54072), (Start: 198 @53979 has 1 MA's), (199, 53976), (200, 53973), (210, 53946), (219, 53928), (238, 53871), (320, 53676), (321, 53673), (324, 53658), (340, 53610), (387, 53496), (391, 53484), (408, 53436), (426, 53388), (445, 53334), (477, 53271), (479, 53262), (517, 53142),

Gene: Erasmago_104 Start: 74119, Stop: 73184, Start Num: 169
Candidate Starts for Erasmago_104:
(Start: 169 @74119 has 6 MA's), (218, 74002), (229, 73966), (251, 73912), (271, 73861), (280, 73834), (283, 73822), (308, 73738), (315, 73732), (322, 73717), (328, 73693), (349, 73639), (372, 73576), (462, 73393), (463, 73390), (482, 73345), (506, 73279), (515, 73252),

Gene: Erk16_56 Start: 43209, Stop: 44387, Start Num: 63
Candidate Starts for Erk16_56:
(6, 42927), (8, 42957), (14, 43020), (Start: 63 @43209 has 48 MA's), (Start: 83 @43257 has 3 MA's), (102, 43296), (Start: 106 @43308 has 22 MA's), (161, 43407), (188, 43470), (210, 43524), (229, 43572), (272, 43638), (308, 43752), (316, 43779), (324, 43809), (338, 43854), (441, 44088), (473, 44154), (477, 44163), (479, 44172), (520, 44298), (542, 44379),

Gene: Erla_37 Start: 26760, Stop: 25585, Start Num: 84
Candidate Starts for Erla_37:
(28, 26880), (50, 26829), (Start: 81 @26769 has 16 MA's), (Start: 84 @26760 has 138 MA's), (153, 26637), (164, 26604), (248, 26385), (267, 26328), (363, 26034), (374, 26004), (385, 25974), (399, 25971), (438, 25866), (445, 25848), (450, 25836), (467, 25803), (488, 25752), (496, 25719),

Gene: Erudite_42 Start: 28400, Stop: 29557, Start Num: 66
Candidate Starts for Erudite_42:
(1, 28007), (4, 28088), (Start: 66 @28400 has 52 MA's), (Start: 75 @28421 has 1 MA's), (185, 28631), (210, 28694), (246, 28790), (294, 28895), (338, 29045), (420, 29237), (422, 29243), (445, 29309), (501, 29450), (518, 29507),

Gene: Erutan_65 Start: 43665, Stop: 44828, Start Num: 65
Candidate Starts for Erutan_65:
(Start: 65 @43665 has 42 MA's), (74, 43680), (Start: 130 @43809 has 11 MA's), (Start: 181 @43899 has 5 MA's), (182, 43902), (Start: 198 @43938 has 1 MA's), (210, 43971), (272, 44085), (282, 44112), (294, 44151), (296, 44166), (307, 44196), (316, 44226), (324, 44256), (340, 44304), (408, 44439), (445, 44541), (473, 44595), (477, 44604), (479, 44613), (489, 44637), (517, 44730), (542, 44820),

Gene: Espinosa_37 Start: 26778, Stop: 25603, Start Num: 84
Candidate Starts for Espinosa_37:
(28, 26898), (50, 26847), (Start: 81 @26787 has 16 MA's), (Start: 84 @26778 has 138 MA's), (153, 26655), (Start: 157 @26640 has 1 MA's), (248, 26403), (267, 26346), (274, 26331), (363, 26052), (374, 26022), (385, 25992), (399, 25989), (438, 25884), (445, 25866), (450, 25854), (467, 25821), (488, 25770), (496, 25737),

Gene: EstebanJulior_40 Start: 27489, Stop: 28439, Start Num: 137
Candidate Starts for EstebanJulior_40:
(Start: 137 @27489 has 77 MA's), (192, 27621), (Start: 198 @27636 has 1 MA's), (Start: 203 @27651 has 1 MA's), (209, 27660), (245, 27756), (263, 27804), (266, 27819), (281, 27861), (287, 27885), (304, 27933), (306, 27942), (351, 28059), (364, 28086), (368, 28095), (477, 28290), (480, 28302), (498, 28365), (500, 28368), (509, 28395), (511, 28398),

Gene: Etna_37 Start: 27214, Stop: 26036, Start Num: 84
Candidate Starts for Etna_37:
(47, 27286), (Start: 81 @27223 has 16 MA's), (Start: 84 @27214 has 138 MA's), (153, 27088), (154, 27085), (241, 26854), (267, 26779), (274, 26764), (363, 26485), (385, 26425), (399, 26422), (445, 26299), (488, 26203), (496, 26170),

Gene: Etta_37 Start: 26764, Stop: 25589, Start Num: 84
Candidate Starts for Etta_37:
(28, 26884), (50, 26833), (Start: 81 @26773 has 16 MA's), (Start: 84 @26764 has 138 MA's), (153, 26641), (164, 26608), (248, 26389), (267, 26332), (363, 26038), (374, 26008), (385, 25978), (399, 25975), (438, 25870), (445, 25852), (450, 25840), (467, 25807), (488, 25756), (496, 25723),

Gene: Eunoia_39 Start: 27504, Stop: 28451, Start Num: 143
Candidate Starts for Eunoia_39:
(Start: 143 @27504 has 21 MA's), (165, 27570), (207, 27669), (219, 27693), (241, 27759), (261, 27807), (266, 27831), (278, 27861), (283, 27879), (285, 27891), (299, 27933), (351, 28071), (363, 28092), (364, 28095), (477, 28302), (498, 28377), (500, 28380), (509, 28407), (511, 28410),

Gene: Exploradora_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Exploradora_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (164, 26611), (248, 26392), (267, 26335), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Ezurina_36 Start: 25615, Stop: 24653, Start Num: 177
Candidate Starts for Ezurina_36:
(Start: 177 @25615 has 11 MA's), (238, 25456), (253, 25420), (303, 25249), (322, 25180), (323, 25177), (342, 25123), (359, 25078), (368, 25057), (413, 24991), (435, 24931), (453, 24886), (455, 24883), (479, 24829), (482, 24820), (488, 24817), (501, 24766), (505, 24757), (518, 24715), (522, 24703),

Gene: FF47_42 Start: 31849, Stop: 30833, Start Num: 137
Candidate Starts for FF47_42:
(Start: 137 @31849 has 77 MA's), (172, 31756), (Start: 174 @31753 has 2 MA's), (212, 31666), (240, 31579), (260, 31522), (263, 31507), (281, 31453), (341, 31270), (431, 31099), (438, 31084), (446, 31063), (501, 30937), (516, 30886), (523, 30865),

Gene: Fabyndrax_35 Start: 27633, Stop: 26440, Start Num: 84
Candidate Starts for Fabyndrax_35:
(47, 27705), (Start: 84 @27633 has 138 MA's), (153, 27504), (264, 27198), (267, 27186), (274, 27171), (288, 27120), (363, 26892), (374, 26862), (385, 26832), (399, 26829), (410, 26805), (428, 26754), (488, 26610), (506, 26541),

Gene: FarmerDoug_37 Start: 27063, Stop: 25885, Start Num: 84
Candidate Starts for FarmerDoug_37:

(45, 27141), (47, 27135), (Start: 84 @27063 has 138 MA's), (153, 26937), (154, 26934), (241, 26703), (267, 26628), (274, 26613), (282, 26586), (363, 26334), (374, 26304), (385, 26274), (399, 26271), (445, 26148), (488, 26052), (496, 26019),

Gene: Feastonyeet_42 Start: 31250, Stop: 30192, Start Num: 136
Candidate Starts for Feastonyeet_42:
(125, 31274), (Start: 136 @31250 has 10 MA's), (186, 31124), (197, 31097), (208, 31073), (216, 31040), (224, 31007), (240, 30962), (274, 30860), (299, 30779), (323, 30701), (341, 30653), (348, 30641), (379, 30560), (413, 30524), (426, 30491), (428, 30485), (431, 30476), (438, 30461), (446, 30440), (454, 30425), (502, 30296), (506, 30284), (508, 30278), (513, 30263),

Gene: Figueroism_38 Start: 27072, Stop: 25897, Start Num: 84
Candidate Starts for Figueroism_38:
(28, 27192), (50, 27141), (Start: 81 @27081 has 16 MA's), (Start: 84 @27072 has 138 MA's), (153, 26949), (Start: 157 @26934 has 1 MA's), (194, 26847), (248, 26697), (267, 26640), (274, 26625), (363, 26346), (374, 26316), (385, 26286), (399, 26283), (438, 26178), (445, 26160), (450, 26148), (467, 26115), (488, 26064), (496, 26031),

Gene: Finny_37 Start: 26846, Stop: 25683, Start Num: 92
Candidate Starts for Finny_37:
(Start: 69 @26882 has 8 MA's), (Start: 73 @26873 has 3 MA's), (Start: 92 @26846 has 38 MA's), (153, 26735), (170, 26687), (241, 26501), (257, 26468), (262, 26450), (267, 26426), (274, 26411), (288, 26360), (318, 26270), (363, 26132), (374, 26102), (385, 26072), (399, 26069), (410, 26045), (446, 25943), (488, 25850), (496, 25817), (502, 25793), (506, 25781),

Gene: FireCastle_42 Start: 27533, Stop: 28546, Start Num: 106
Candidate Starts for FireCastle_42:
(Start: 106 @27533 has 22 MA's), (Start: 150 @27614 has 3 MA's), (197, 27740), (Start: 198 @27743 has 1 MA's), (227, 27812), (237, 27836), (263, 27896), (266, 27911), (281, 27953), (306, 28031), (326, 28100), (327, 28103), (330, 28115), (360, 28169), (375, 28205), (378, 28211), (431, 28295), (436, 28310), (459, 28361), (480, 28409), (495, 28457), (498, 28472),

Gene: Flapper_69 Start: 53365, Stop: 52184, Start Num: 65
Candidate Starts for Flapper_69:
(Start: 65 @53365 has 42 MA's), (Start: 175 @53140 has 1 MA's), (185, 53116), (199, 53080), (210, 53050), (229, 53002), (272, 52939), (324, 52768), (340, 52720), (374, 52633), (384, 52609), (397, 52561), (426, 52492), (477, 52375), (479, 52366), (485, 52351), (521, 52234),

Gene: Float294_67 Start: 53958, Stop: 52795, Start Num: 77
Candidate Starts for Float294_67:
(Start: 77 @53958 has 2 MA's), (161, 53787), (Start: 198 @53694 has 1 MA's), (199, 53691), (200, 53688), (210, 53661), (219, 53643), (238, 53586), (320, 53391), (321, 53388), (324, 53373), (340, 53325), (387, 53211), (391, 53199), (408, 53151), (426, 53103), (445, 53049), (477, 52986), (479, 52977), (517, 52857),

Gene: FloraSnap32_100 Start: 82392, Stop: 83363, Start Num: 162
Candidate Starts for FloraSnap32_100:
(Start: 162 @82392 has 13 MA's), (171, 82416), (Start: 181 @82437 has 5 MA's), (221, 82536), (225, 82551), (233, 82575), (245, 82608), (283, 82725), (286, 82740), (322, 82836), (325, 82845), (363, 82950), (369, 82965), (372, 82974), (419, 83049), (433, 83091), (453, 83142), (463, 83163), (501, 83262), (505, 83271), (515, 83301),

Gene: Fluke_42 Start: 27751, Stop: 28698, Start Num: 137

Candidate Starts for Fluke_42:
(Start: 137 @27751 has 77 MA's), (167, 27820), (192, 27883), (197, 27895), (Start: 198 @27898 has 1 MA's), (209, 27922), (245, 28018), (263, 28066), (272, 28096), (281, 28123), (304, 28195), (364, 28345), (368, 28354), (427, 28441), (444, 28489), (477, 28549), (498, 28624), (500, 28627), (509, 28654), (511, 28657),

Gene: Forza_168 Start: 94503, Stop: 93511, Start Num: 160
Candidate Starts for Forza_168:
(152, 94527), (Start: 160 @94503 has 4 MA's), (202, 94401), (229, 94329), (283, 94176), (309, 94086), (353, 93978), (355, 93969), (368, 93939), (369, 93936), (372, 93927), (403, 93882), (413, 93858), (442, 93777), (451, 93756), (473, 93714), (505, 93627), (506, 93624), (515, 93597), (533, 93534), (534, 93531),

Gene: FountainFog_42 Start: 28114, Stop: 29241, Start Num: 66
Candidate Starts for FountainFog_42:
(Start: 66 @28114 has 52 MA's), (Start: 75 @28135 has 1 MA's), (185, 28345), (210, 28408), (246, 28504), (294, 28609), (338, 28759), (422, 28927), (445, 28993), (501, 29134), (518, 29191),

Gene: Fowlmouth_77 Start: 47770, Stop: 48810, Start Num: 63
Candidate Starts for Fowlmouth_77:
(43, 47731), (Start: 63 @47770 has 48 MA's), (Start: 67 @47779 has 11 MA's), (74, 47794), (82, 47815), (116, 47896), (176, 48004), (197, 48055), (214, 48094), (229, 48139), (232, 48148), (289, 48262), (296, 48286), (329, 48397), (429, 48490), (445, 48532), (477, 48595), (488, 48625), (517, 48724),

Gene: Foxboro_67 Start: 53822, Stop: 52623, Start Num: 63
Candidate Starts for Foxboro_67:
(Start: 63 @53822 has 48 MA's), (199, 53534), (200, 53531), (208, 53510), (210, 53504), (316, 53231), (320, 53219), (324, 53201), (335, 53168), (340, 53153), (374, 53066), (408, 52979), (413, 52964), (425, 52934), (426, 52931), (445, 52877), (475, 52820), (476, 52817), (477, 52814), (479, 52805), (514, 52697), (521, 52673),

Gene: FreddieHg_43 Start: 28088, Stop: 29215, Start Num: 66
Candidate Starts for FreddieHg_43:
(1, 27695), (3, 27761), (4, 27776), (Start: 66 @28088 has 52 MA's), (Start: 75 @28109 has 1 MA's), (116, 28205), (185, 28319), (210, 28382), (246, 28478), (294, 28583), (338, 28733), (422, 28901), (445, 28967), (475, 29024), (501, 29108), (518, 29165),

Gene: Fribs8_38 Start: 29408, Stop: 28377, Start Num: 137
Candidate Starts for Fribs8_38:
(Start: 137 @29408 has 77 MA's), (153, 29369), (172, 29315), (Start: 174 @29312 has 2 MA's), (197, 29255), (213, 29225), (232, 29159), (240, 29138), (274, 29036), (283, 29006), (288, 28988), (307, 28931), (316, 28901), (400, 28736), (431, 28658), (440, 28640), (446, 28622), (452, 28610), (454, 28607), (488, 28532),

Gene: Frizzle_31 Start: 30097, Stop: 29171, Start Num: 150
Candidate Starts for Frizzle_31:
(Start: 99 @30205 has 1 MA's), (147, 30103), (Start: 148 @30100 has 1 MA's), (Start: 150 @30097 has 3 MA's), (182, 30010), (219, 29926), (221, 29920), (230, 29893), (287, 29746), (295, 29725), (297, 29719), (304, 29701), (306, 29692), (328, 29614), (330, 29608), (354, 29566), (363, 29554), (414, 29503), (427, 29497), (503, 29308), (527, 29227), (528, 29224), (541, 29185),

Gene: FrostedClock_103 Start: 83692, Stop: 84663, Start Num: 162

Candidate Starts for FrostedClock_103:
(Start: 162 @83692 has 13 MA's), (171, 83716), (Start: 181 @83737 has 5 MA's), (221, 83836), (225, 83851), (233, 83875), (245, 83908), (283, 84025), (286, 84040), (322, 84136), (325, 84145), (363, 84250), (369, 84265), (372, 84274), (419, 84349), (433, 84391), (453, 84442), (463, 84463), (505, 84571), (515, 84601),

Gene: Fulcrum_65 Start: 43693, Stop: 44910, Start Num: 65
Candidate Starts for Fulcrum_65:
(Start: 65 @43693 has 42 MA's), (74, 43708), (Start: 130 @43837 has 11 MA's), (Start: 181 @43927 has 5 MA's), (182, 43930), (Start: 198 @43966 has 1 MA's), (210, 43999), (272, 44113), (282, 44140), (294, 44179), (296, 44194), (307, 44224), (316, 44254), (324, 44284), (337, 44326), (340, 44332), (445, 44623), (473, 44677), (477, 44686), (479, 44695), (489, 44719), (517, 44812), (542, 44902),

Gene: Fulton_35 Start: 24975, Stop: 23797, Start Num: 92
Candidate Starts for Fulton_35:
(53, 25047), (Start: 65 @25032 has 42 MA's), (Start: 92 @24975 has 38 MA's), (153, 24861), (267, 24543), (274, 24528), (288, 24477), (350, 24285), (363, 24249), (385, 24189), (399, 24186), (428, 24111), (446, 24060), (492, 23955), (506, 23898),

Gene: Fury_75 Start: 52498, Stop: 51308, Start Num: 58
Candidate Starts for Fury_75:
(2, 52828), (11, 52726), (Start: 58 @52498 has 6 MA's), (74, 52471), (113, 52378), (180, 52255), (183, 52243), (200, 52201), (210, 52174), (214, 52171), (340, 51841), (374, 51754), (408, 51661), (426, 51613), (477, 51496), (488, 51466), (502, 51409), (514, 51379), (521, 51355),

Gene: GMA2_62 Start: 65413, Stop: 64418, Start Num: 159
Candidate Starts for GMA2_62:
(159, 65413), (204, 65302), (220, 65263), (244, 65191), (283, 65080), (322, 64966), (328, 64942), (338, 64915), (343, 64906), (353, 64879), (369, 64837), (372, 64828), (413, 64762), (433, 64708), (435, 64702), (453, 64657), (468, 64627), (471, 64621), (481, 64594), (505, 64531), (506, 64528), (515, 64501), (520, 64483), (533, 64438),

Gene: GOATification_65 Start: 43693, Stop: 44910, Start Num: 65
Candidate Starts for GOATification_65:
(Start: 65 @43693 has 42 MA's), (74, 43708), (Start: 130 @43837 has 11 MA's), (Start: 181 @43927 has 5 MA's), (182, 43930), (Start: 198 @43966 has 1 MA's), (210, 43999), (272, 44113), (282, 44140), (294, 44179), (296, 44194), (307, 44224), (316, 44254), (324, 44284), (337, 44326), (340, 44332), (445, 44623), (473, 44677), (477, 44686), (479, 44695), (489, 44719), (517, 44812), (542, 44902),

Gene: GRU1_55 Start: 45213, Stop: 44032, Start Num: 65
Candidate Starts for GRU1_55:
(Start: 65 @45213 has 42 MA's), (Start: 175 @44988 has 1 MA's), (185, 44964), (199, 44928), (210, 44898), (229, 44850), (272, 44787), (324, 44616), (340, 44568), (370, 44493), (374, 44481), (397, 44409), (426, 44340), (477, 44223), (479, 44214), (485, 44199), (521, 44082),

Gene: GTE2_33 Start: 29525, Stop: 28416, Start Num: 108
Candidate Starts for GTE2_33:
(76, 29624), (78, 29618), (108, 29525), (126, 29486), (Start: 145 @29450 has 28 MA's), (170, 29375), (221, 29255), (240, 29192), (274, 29090), (282, 29063), (316, 28955), (333, 28904), (354, 28853), (406, 28775), (410, 28766), (431, 28709), (440, 28691), (446, 28673), (486, 28589),

Gene: GTE5_55 Start: 46020, Stop: 45064, Start Num: 175
Candidate Starts for GTE5_55:

(Start: 175 @46020 has 1 MA's), (180, 46011), (185, 45996), (199, 45960), (210, 45930), (229, 45882), (272, 45819), (340, 45600), (373, 45516), (374, 45513), (397, 45441), (426, 45372), (477, 45255), (479, 45246), (485, 45231), (514, 45138), (521, 45114),

Gene: GTE8_55 Start: 46534, Stop: 45335, Start Num: 63
Candidate Starts for GTE8_55:
(Start: 63 @46534 has 48 MA's), (Start: 198 @46249 has 1 MA's), (200, 46243), (208, 46222), (210, 46216), (320, 45931), (324, 45913), (335, 45880), (340, 45865), (374, 45778), (425, 45646), (426, 45643), (445, 45589), (476, 45529), (477, 45526), (479, 45517), (514, 45409), (521, 45385),

Gene: GaeCeo_38 Start: 27355, Stop: 26189, Start Num: 84
Candidate Starts for GaeCeo_38:
(31, 27463), (47, 27427), (50, 27424), (Start: 81 @27364 has 16 MA's), (Start: 84 @27355 has 138 MA's), (153, 27244), (241, 27010), (262, 26959), (363, 26641), (410, 26554), (445, 26455), (467, 26410), (496, 26326), (502, 26302), (506, 26290), (518, 26251),

Gene: Gagieri_66 Start: 50059, Stop: 48929, Start Num: 63
Candidate Starts for Gagieri_66:
(16, 50194), (38, 50089), (Start: 63 @50059 has 48 MA's), (163, 49861), (210, 49738), (217, 49726), (282, 49600), (289, 49573), (340, 49411), (385, 49318), (423, 49246), (477, 49120), (478, 49114), (518, 48988),

Gene: Galactica_39 Start: 28326, Stop: 29291, Start Num: 121
Candidate Starts for Galactica_39:
(Start: 121 @28326 has 2 MA's), (192, 28488), (228, 28563), (262, 28626), (263, 28632), (302, 28755), (306, 28770), (307, 28773), (313, 28797), (337, 28872), (363, 28908), (426, 29025), (440, 29064), (469, 29127),

Gene: GalaxyEater_42 Start: 38493, Stop: 37585, Start Num: 199
Candidate Starts for GalaxyEater_42:
(199, 38493), (Start: 203 @38481 has 1 MA's), (239, 38382), (255, 38349), (261, 38325), (275, 38283), (278, 38274), (301, 38196), (305, 38175), (311, 38154), (318, 38136), (321, 38124), (334, 38079), (349, 38037), (432, 37848), (505, 37656), (513, 37632),

Gene: Gallia_70 Start: 54274, Stop: 53129, Start Num: 63
Candidate Starts for Gallia_70:
(Start: 63 @54274 has 48 MA's), (191, 54016), (210, 53965), (214, 53962), (340, 53587), (426, 53422), (438, 53386), (477, 53305), (515, 53188),

Gene: GardenB_37 Start: 27181, Stop: 26003, Start Num: 84
Candidate Starts for GardenB_37:
(47, 27253), (Start: 81 @27190 has 16 MA's), (Start: 84 @27181 has 138 MA's), (153, 27055), (154, 27052), (241, 26821), (267, 26746), (274, 26731), (350, 26488), (363, 26452), (374, 26422), (399, 26389), (445, 26266), (488, 26170), (496, 26137),

Gene: Garey24_37 Start: 26746, Stop: 25571, Start Num: 84
Candidate Starts for Garey24_37:
(28, 26866), (50, 26815), (Start: 81 @26755 has 16 MA's), (Start: 84 @26746 has 138 MA's), (153, 26623), (Start: 157 @26608 has 1 MA's), (248, 26371), (267, 26314), (363, 26020), (374, 25990), (385, 25960), (399, 25957), (438, 25852), (445, 25834), (450, 25822), (467, 25789), (488, 25738), (496, 25705),

Gene: Gargoyle_38 Start: 27087, Stop: 25912, Start Num: 84

Candidate Starts for Gargoyle_38:
(28, 27207), (50, 27156), (Start: 81 @27096 has 16 MA's), (Start: 84 @27087 has 138 MA's), (153, 26964), (194, 26862), (248, 26712), (267, 26655), (363, 26361), (374, 26331), (385, 26301), (399, 26298), (438, 26193), (445, 26175), (450, 26163), (467, 26130), (488, 26079), (496, 26046),

Gene: Gelo_37 Start: 26770, Stop: 25595, Start Num: 84
Candidate Starts for Gelo_37:
(28, 26890), (50, 26839), (Start: 81 @26779 has 16 MA's), (Start: 84 @26770 has 138 MA's), (153, 26647), (164, 26614), (248, 26395), (267, 26338), (363, 26044), (374, 26014), (385, 25984), (399, 25981), (438, 25876), (445, 25858), (450, 25846), (467, 25813), (488, 25762), (496, 25729),

Gene: Genamy16_68 Start: 43067, Stop: 44284, Start Num: 65
Candidate Starts for Genamy16_68:
(Start: 65 @43067 has 42 MA's), (74, 43082), (Start: 130 @43211 has 11 MA's), (Start: 181 @43301 has 5 MA's), (182, 43304), (Start: 198 @43340 has 1 MA's), (210, 43373), (272, 43487), (282, 43514), (294, 43553), (296, 43568), (307, 43598), (316, 43628), (324, 43658), (340, 43706), (408, 43895), (473, 44051), (477, 44060), (479, 44069), (489, 44093), (504, 44147), (517, 44186), (542, 44276),

Gene: Gerri43_37 Start: 24528, Stop: 23596, Start Num: 177
Candidate Starts for Gerri43_37:
(Start: 177 @24528 has 11 MA's), (238, 24369), (256, 24324), (303, 24162), (322, 24123), (359, 24021), (368, 24000), (376, 23973), (413, 23934), (435, 23874), (453, 23829), (479, 23772), (482, 23763), (488, 23760), (501, 23709), (505, 23700), (518, 23658), (522, 23646),

Gene: Gershwin_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for Gershwin_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (164, 26624), (248, 26405), (267, 26348), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: Ghobes_32 Start: 30098, Stop: 29172, Start Num: 150
Candidate Starts for Ghobes_32:
(Start: 99 @30206 has 1 MA's), (147, 30104), (Start: 148 @30101 has 1 MA's), (Start: 150 @30098 has 3 MA's), (182, 30011), (219, 29927), (221, 29921), (230, 29894), (287, 29747), (295, 29726), (297, 29720), (304, 29702), (328, 29615), (330, 29609), (354, 29567), (363, 29555), (414, 29504), (427, 29498), (503, 29309), (527, 29228), (528, 29225), (541, 29186),

Gene: GiKK_47 Start: 30758, Stop: 29736, Start Num: 138
Candidate Starts for GiKK_47:
(Start: 138 @30758 has 3 MA's), (197, 30611), (213, 30581), (240, 30494), (260, 30437), (264, 30416), (274, 30392), (281, 30368), (283, 30362), (299, 30311), (316, 30257), (323, 30233), (333, 30206), (426, 30029), (431, 30014), (452, 29966), (492, 29876),

Gene: Gibbin_67 Start: 44498, Stop: 45715, Start Num: 65
Candidate Starts for Gibbin_67:
(Start: 65 @44498 has 42 MA's), (74, 44513), (Start: 130 @44642 has 11 MA's), (Start: 181 @44732 has 5 MA's), (182, 44735), (Start: 198 @44771 has 1 MA's), (210, 44804), (272, 44918), (282, 44945), (294, 44984), (296, 44999), (307, 45029), (316, 45059), (324, 45089), (340, 45137), (445, 45428), (473, 45482), (477, 45491), (479, 45500), (489, 45524), (517, 45617), (542, 45707),

Gene: Gibbous_37 Start: 28990, Stop: 27938, Start Num: 127
Candidate Starts for Gibbous_37:

(Start: 127 @28990 has 4 MA's), (Start: 137 @28969 has 77 MA's), (Start: 143 @28960 has 21 MA's), (153, 28930), (197, 28816), (221, 28762), (232, 28720), (240, 28699), (274, 28597), (283, 28567), (307, 28492), (316, 28462), (323, 28438), (380, 28300), (440, 28201), (446, 28183), (448, 28177), (452, 28171), (480, 28114), (488, 28093),

Gene: Gibson_66 Start: 47338, Stop: 46340, Start Num: 61
Candidate Starts for Gibson_66:
(Start: 61 @47338 has 7 MA's), (74, 47326), (210, 47047), (214, 47044), (273, 46915), (282, 46888), (294, 46852), (316, 46777), (320, 46765), (338, 46702), (441, 46603), (460, 46561), (477, 46528), (479, 46519), (501, 46447), (502, 46441), (526, 46357),

Gene: Gilda_43 Start: 28844, Stop: 29998, Start Num: 66
Candidate Starts for Gilda_43:
(1, 28445), (Start: 66 @28844 has 52 MA's), (Start: 75 @28865 has 1 MA's), (185, 29075), (210, 29138), (246, 29234), (294, 29339), (338, 29489), (374, 29579), (388, 29615), (408, 29645), (445, 29750), (475, 29807), (501, 29891), (518, 29948),

Gene: Gimesa_70 Start: 51591, Stop: 52760, Start Num: 67
Candidate Starts for Gimesa_70:
(Start: 67 @51591 has 11 MA's), (74, 51606), (91, 51648), (Start: 106 @51681 has 22 MA's), (205, 51882), (210, 51897), (274, 52029), (294, 52092), (296, 52107), (324, 52197), (332, 52224), (422, 52425), (424, 52431), (426, 52437), (475, 52548), (477, 52554), (518, 52686), (536, 52746),

Gene: Gisselle_39 Start: 26441, Stop: 27388, Start Num: 137
Candidate Starts for Gisselle_39:
(Start: 137 @26441 has 77 MA's), (167, 26510), (192, 26573), (197, 26585), (Start: 198 @26588 has 1 MA's), (209, 26612), (245, 26708), (263, 26756), (281, 26813), (285, 26831), (299, 26873), (304, 26885), (444, 27179), (477, 27239), (498, 27314), (500, 27317), (509, 27344), (511, 27347),

Gene: Giuseppe_58 Start: 43075, Stop: 44253, Start Num: 63
Candidate Starts for Giuseppe_58:
(6, 42793), (8, 42823), (14, 42886), (Start: 63 @43075 has 48 MA's), (Start: 83 @43123 has 3 MA's), (102, 43162), (Start: 106 @43174 has 22 MA's), (161, 43273), (188, 43336), (210, 43390), (229, 43438), (272, 43504), (308, 43618), (316, 43645), (324, 43675), (338, 43720), (441, 43954), (473, 44020), (477, 44029), (479, 44038), (520, 44164), (542, 44245),

Gene: Glamour_36 Start: 26824, Stop: 25634, Start Num: 73
Candidate Starts for Glamour_36:
(Start: 69 @26833 has 8 MA's), (Start: 73 @26824 has 3 MA's), (Start: 92 @26797 has 38 MA's), (153, 26686), (154, 26683), (170, 26638), (241, 26452), (257, 26419), (262, 26401), (267, 26377), (274, 26362), (288, 26311), (318, 26221), (363, 26083), (374, 26053), (385, 26023), (410, 25996), (446, 25894), (488, 25801), (496, 25768), (502, 25744), (506, 25732),

Gene: Glenn_42 Start: 27742, Stop: 28689, Start Num: 137
Candidate Starts for Glenn_42:
(Start: 137 @27742 has 77 MA's), (192, 27874), (197, 27886), (Start: 198 @27889 has 1 MA's), (209, 27913), (245, 28009), (263, 28057), (272, 28087), (281, 28114), (304, 28186), (364, 28336), (368, 28345), (427, 28432), (444, 28480), (477, 28540), (498, 28615), (500, 28618), (509, 28645), (511, 28648),

Gene: GodonK_181 Start: 91029, Stop: 90010, Start Num: 156
Candidate Starts for GodonK_181:

(Start: 156 @91029 has 1 MA's), (184, 90957), (193, 90936), (211, 90888), (220, 90867), (244, 90795), (267, 90732), (280, 90696), (283, 90684), (286, 90669), (345, 90510), (355, 90477), (358, 90468), (372, 90435), (374, 90429), (404, 90390), (412, 90372), (413, 90369), (442, 90288), (451, 90267), (463, 90243), (481, 90201), (505, 90138), (506, 90135), (515, 90108), (520, 90090),

Gene: GoingMerry_38 Start: 27092, Stop: 25917, Start Num: 84
Candidate Starts for GoingMerry_38:
(28, 27212), (50, 27161), (Start: 81 @27101 has 16 MA's), (Start: 84 @27092 has 138 MA's), (153, 26969), (194, 26867), (248, 26717), (267, 26660), (363, 26366), (374, 26336), (385, 26306), (399, 26303), (438, 26198), (445, 26180), (450, 26168), (467, 26135), (488, 26084), (496, 26051),

Gene: GoldHunter_41 Start: 29791, Stop: 28760, Start Num: 145
Candidate Starts for GoldHunter_41:
(Start: 145 @29791 has 28 MA's), (213, 29620), (240, 29533), (260, 29476), (281, 29407), (294, 29374), (316, 29296), (333, 29245), (431, 29050), (440, 29032), (446, 29014), (486, 28930), (492, 28912),

Gene: Golden_36 Start: 26754, Stop: 25594, Start Num: 81
Candidate Starts for Golden_36:
(47, 26817), (50, 26814), (Start: 81 @26754 has 16 MA's), (153, 26634), (154, 26631), (241, 26400), (274, 26310), (282, 26283), (423, 25923), (428, 25908), (446, 25857), (496, 25731), (502, 25707), (506, 25695),

Gene: GoldenEssence_89 Start: 77287, Stop: 78258, Start Num: 162
Candidate Starts for GoldenEssence_89:
(Start: 162 @77287 has 13 MA's), (171, 77311), (Start: 181 @77332 has 5 MA's), (221, 77431), (225, 77446), (233, 77470), (245, 77503), (283, 77620), (286, 77635), (322, 77731), (325, 77740), (363, 77845), (369, 77860), (372, 77869), (419, 77944), (433, 77986), (453, 78037), (463, 78058), (501, 78157), (505, 78166), (515, 78196),

Gene: GoneGirl_38 Start: 27174, Stop: 25996, Start Num: 84
Candidate Starts for GoneGirl_38:
(47, 27246), (Start: 81 @27183 has 16 MA's), (Start: 84 @27174 has 138 MA's), (153, 27048), (154, 27045), (241, 26814), (267, 26739), (274, 26724), (350, 26481), (363, 26445), (374, 26415), (399, 26382), (445, 26259), (488, 26163), (496, 26130),

Gene: Goodman_43 Start: 27572, Stop: 28585, Start Num: 106
Candidate Starts for Goodman_43:
(89, 27527), (Start: 106 @27572 has 22 MA's), (165, 27701), (Start: 198 @27782 has 1 MA's), (227, 27851), (263, 27935), (281, 27992), (306, 28070), (326, 28139), (327, 28142), (366, 28217), (375, 28244), (378, 28250), (431, 28334), (436, 28349), (459, 28400), (480, 28448), (498, 28511),

Gene: Graynor_44 Start: 27566, Stop: 28513, Start Num: 137
Candidate Starts for Graynor_44:
(Start: 137 @27566 has 77 MA's), (197, 27710), (Start: 198 @27713 has 1 MA's), (Start: 203 @27728 has 1 MA's), (219, 27755), (240, 27818), (245, 27833), (263, 27881), (278, 27926), (281, 27938), (287, 27962), (326, 28088), (328, 28097), (363, 28157), (364, 28160), (444, 28304), (477, 28364), (498, 28439), (500, 28442), (509, 28469), (511, 28472),

Gene: GreenHearts_42 Start: 28250, Stop: 29197, Start Num: 137
Candidate Starts for GreenHearts_42:
(Start: 137 @28250 has 77 MA's), (Start: 198 @28397 has 1 MA's), (219, 28439), (238, 28499), (244, 28514), (272, 28595), (278, 28610), (281, 28622), (326, 28772), (363, 28841), (364, 28844), (487,

29078), (498, 29123), (500, 29126), (509, 29153), (511, 29156),

Gene: GreenIvy_35 Start: 25564, Stop: 24386, Start Num: 92
Candidate Starts for GreenIvy_35:
(53, 25636), (Start: 57 @25630 has 1 MA's), (Start: 65 @25621 has 42 MA's), (Start: 92 @25564 has 38 MA's), (153, 25450), (267, 25132), (274, 25117), (288, 25066), (350, 24874), (363, 24838), (385, 24778), (399, 24775), (428, 24700), (446, 24649), (492, 24544), (506, 24487),

Gene: Greenbelt_64 Start: 43465, Stop: 42455, Start Num: 62
Candidate Starts for Greenbelt_64:
(Start: 62 @43465 has 5 MA's), (74, 43441), (Start: 145 @43288 has 28 MA's), (210, 43162), (214, 43159), (229, 43114), (282, 43003), (294, 42967), (316, 42892), (320, 42880), (338, 42817), (460, 42676), (477, 42643), (493, 42595), (501, 42562), (502, 42556), (512, 42532), (518, 42511),

Gene: Greenhouse_43 Start: 28175, Stop: 29122, Start Num: 137
Candidate Starts for Greenhouse_43:
(Start: 137 @28175 has 77 MA's), (Start: 198 @28322 has 1 MA's), (219, 28364), (244, 28439), (272, 28520), (278, 28535), (281, 28547), (326, 28697), (363, 28766), (364, 28769), (487, 29003), (498, 29048), (500, 29051), (509, 29078), (511, 29081),

Gene: GretelLyn_65 Start: 44537, Stop: 45700, Start Num: 65
Candidate Starts for GretelLyn_65:
(Start: 65 @44537 has 42 MA's), (74, 44552), (Start: 130 @44681 has 11 MA's), (Start: 181 @44771 has 5 MA's), (182, 44774), (Start: 198 @44810 has 1 MA's), (210, 44843), (272, 44957), (282, 44984), (294, 45023), (296, 45038), (307, 45068), (316, 45098), (324, 45128), (340, 45176), (370, 45251), (377, 45272), (408, 45311), (445, 45413), (473, 45467), (477, 45476), (479, 45485), (489, 45509), (517, 45602), (542, 45692),

Gene: Greys_38 Start: 27089, Stop: 25905, Start Num: 81
Candidate Starts for Greys_38:
(28, 27200), (50, 27149), (Start: 81 @27089 has 16 MA's), (Start: 84 @27080 has 138 MA's), (153, 26957), (194, 26855), (248, 26705), (267, 26648), (363, 26354), (374, 26324), (385, 26294), (399, 26291), (438, 26186), (445, 26168), (450, 26156), (467, 26123), (488, 26072), (496, 26039),

Gene: GrootJr_68 Start: 52691, Stop: 51492, Start Num: 63
Candidate Starts for GrootJr_68:
(Start: 63 @52691 has 48 MA's), (199, 52403), (200, 52400), (208, 52379), (210, 52373), (316, 52100), (320, 52088), (324, 52070), (335, 52037), (340, 52022), (374, 51935), (408, 51848), (413, 51833), (425, 51803), (426, 51800), (445, 51746), (475, 51689), (476, 51686), (477, 51683), (479, 51674), (514, 51566), (521, 51542),

Gene: Gubbabump_37 Start: 26760, Stop: 25585, Start Num: 84
Candidate Starts for Gubbabump_37:
(28, 26880), (50, 26829), (Start: 81 @26769 has 16 MA's), (Start: 84 @26760 has 138 MA's), (153, 26637), (Start: 157 @26622 has 1 MA's), (194, 26535), (248, 26385), (267, 26328), (274, 26313), (363, 26034), (374, 26004), (385, 25974), (399, 25971), (438, 25866), (445, 25848), (450, 25836), (467, 25803), (488, 25752), (496, 25719),

Gene: Guetzie_36 Start: 26730, Stop: 25579, Start Num: 84
Candidate Starts for Guetzie_36:
(47, 26802), (50, 26799), (Start: 81 @26739 has 16 MA's), (Start: 84 @26730 has 138 MA's), (153, 26619), (154, 26616), (241, 26385), (264, 26322), (274, 26295), (282, 26268), (423, 25908), (428, 25893), (446, 25842), (496, 25716), (502, 25692), (506, 25680),

Gene: Gumball_57 Start: 43615, Stop: 44745, Start Num: 83
Candidate Starts for Gumball_57:
(34, 43522), (51, 43549), (52, 43552), (Start: 63 @43567 has 48 MA's), (Start: 83 @43615 has 3 MA's), (102, 43654), (Start: 106 @43666 has 22 MA's), (161, 43765), (188, 43828), (210, 43882), (229, 43930), (272, 43996), (308, 44110), (316, 44137), (324, 44167), (338, 44212), (441, 44446), (473, 44512), (477, 44521), (479, 44530), (520, 44656), (542, 44737),

Gene: Hager_44 Start: 28317, Stop: 29423, Start Num: 66
Candidate Starts for Hager_44:
(Start: 66 @28317 has 52 MA's), (Start: 75 @28338 has 1 MA's), (185, 28548), (206, 28599), (210, 28611), (246, 28707), (294, 28812), (338, 28962), (445, 29175), (501, 29316), (518, 29373),

Gene: HairyMan_34 Start: 26176, Stop: 24935, Start Num: 81
Candidate Starts for HairyMan_34:
(23, 26302), (31, 26275), (47, 26239), (80, 26179), (Start: 81 @26176 has 16 MA's), (Start: 84 @26167 has 138 MA's), (153, 25987), (221, 25822), (262, 25702), (267, 25678), (274, 25663), (363, 25384), (385, 25324), (428, 25246), (430, 25240), (496, 25069), (506, 25033), (518, 24994),

Gene: Hamlet_37 Start: 27212, Stop: 26034, Start Num: 84
Candidate Starts for Hamlet_37:
(47, 27284), (Start: 84 @27212 has 138 MA's), (153, 27086), (154, 27083), (229, 26885), (241, 26852), (267, 26777), (274, 26762), (363, 26483), (385, 26423), (399, 26420), (402, 26414), (445, 26297), (488, 26201), (496, 26168),

Gene: HanSolo_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for HanSolo_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: HankSprout_38 Start: 26647, Stop: 25472, Start Num: 84
Candidate Starts for HankSprout_38:
(28, 26767), (50, 26716), (Start: 81 @26656 has 16 MA's), (Start: 84 @26647 has 138 MA's), (153, 26524), (Start: 157 @26509 has 1 MA's), (194, 26422), (248, 26272), (267, 26215), (274, 26200), (363, 25921), (374, 25891), (385, 25861), (399, 25858), (438, 25753), (445, 25735), (450, 25723), (467, 25690), (488, 25639), (496, 25606),

Gene: Hasitha_35 Start: 24987, Stop: 23809, Start Num: 92
Candidate Starts for Hasitha_35:
(53, 25059), (Start: 65 @25044 has 42 MA's), (Start: 92 @24987 has 38 MA's), (153, 24873), (267, 24555), (274, 24540), (288, 24489), (350, 24297), (363, 24261), (385, 24201), (399, 24198), (428, 24123), (446, 24072), (492, 23967), (506, 23910),

Gene: Haunter_43 Start: 28275, Stop: 29381, Start Num: 66
Candidate Starts for Haunter_43:
(Start: 66 @28275 has 52 MA's), (Start: 75 @28296 has 1 MA's), (185, 28506), (210, 28569), (246, 28665), (294, 28770), (338, 28920), (445, 29133), (475, 29190), (501, 29274), (518, 29331),

Gene: HavenFinLeoSun_39 Start: 27428, Stop: 26247, Start Num: 84
Candidate Starts for HavenFinLeoSun_39:

(50, 27497), (Start: 81 @27437 has 16 MA's), (Start: 84 @27428 has 138 MA's), (153, 27299), (154, 27296), (235, 27083), (267, 26990), (274, 26975), (350, 26732), (363, 26696), (374, 26666), (385, 26636), (399, 26633), (403, 26624), (445, 26510), (496, 26381), (518, 26306),

Gene: Hawkeye_60 Start: 42876, Stop: 44036, Start Num: 63
Candidate Starts for Hawkeye_60:
(43, 42849), (Start: 63 @42876 has 48 MA's), (102, 42963), (161, 43074), (210, 43191), (220, 43212), (281, 43332), (313, 43440), (316, 43446), (320, 43458), (338, 43521), (398, 43638), (426, 43695), (473, 43803), (477, 43812), (478, 43818), (479, 43821),

Gene: HeadNerd_39 Start: 26287, Stop: 27234, Start Num: 137
Candidate Starts for HeadNerd_39:
(Start: 137 @26287 has 77 MA's), (192, 26419), (197, 26431), (Start: 198 @26434 has 1 MA's), (209, 26458), (245, 26554), (263, 26602), (281, 26659), (304, 26731), (364, 26881), (368, 26890), (477, 27085), (498, 27160), (500, 27163), (509, 27190), (511, 27193),

Gene: Helpful_60 Start: 43436, Stop: 44614, Start Num: 63
Candidate Starts for Helpful_60:
(6, 43154), (14, 43247), (Start: 63 @43436 has 48 MA's), (Start: 83 @43484 has 3 MA's), (102, 43523), (Start: 106 @43535 has 22 MA's), (161, 43634), (188, 43697), (210, 43751), (229, 43799), (272, 43865), (308, 43979), (316, 44006), (324, 44036), (338, 44081), (441, 44315), (473, 44381), (477, 44390), (479, 44399), (520, 44525), (542, 44606),

Gene: Henoccus_51 Start: 35844, Stop: 36851, Start Num: 130
Candidate Starts for Henoccus_51:
(26, 35607), (93, 35757), (Start: 130 @35844 has 11 MA's), (Start: 198 @36009 has 1 MA's), (215, 36039), (223, 36075), (251, 36150), (261, 36183), (266, 36207), (285, 36267), (301, 36297), (306, 36315), (307, 36318), (318, 36351), (327, 36387), (368, 36477), (421, 36573), (459, 36672), (464, 36684), (509, 36795), (521, 36828),

Gene: Herb_39 Start: 27510, Stop: 28463, Start Num: 143
Candidate Starts for Herb_39:
(Start: 143 @27510 has 21 MA's), (163, 27567), (Start: 198 @27657 has 1 MA's), (207, 27675), (241, 27765), (261, 27816), (272, 27855), (278, 27870), (283, 27888), (285, 27900), (302, 27948), (337, 28065), (363, 28104), (368, 28116), (477, 28314), (498, 28389), (509, 28419), (511, 28422),

Gene: HerculesXL_36 Start: 25428, Stop: 24247, Start Num: 85
Candidate Starts for HerculesXL_36:
(15, 25644), (22, 25581), (31, 25536), (47, 25500), (Start: 85 @25428 has 5 MA's), (153, 25299), (170, 25251), (257, 25032), (260, 25020), (262, 25014), (267, 24990), (274, 24975), (288, 24924), (318, 24834), (374, 24666), (381, 24648), (402, 24627), (446, 24507), (467, 24465), (488, 24414), (496, 24381), (502, 24357), (506, 24345),

Gene: Hexbug_49 Start: 32527, Stop: 31505, Start Num: 143
Candidate Starts for Hexbug_49:
(88, 32659), (117, 32575), (123, 32563), (Start: 143 @32527 has 21 MA's), (197, 32383), (213, 32353), (221, 32329), (240, 32266), (260, 32209), (281, 32140), (283, 32134), (288, 32116), (299, 32083), (316, 32029), (323, 32005), (333, 31978), (363, 31909), (380, 31864), (406, 31849), (415, 31828), (424, 31801), (426, 31798), (431, 31783), (452, 31735), (461, 31717), (513, 31570),

Gene: Hiddenleaf_43 Start: 28072, Stop: 29199, Start Num: 66
Candidate Starts for Hiddenleaf_43:

(1, 27679), (3, 27745), (4, 27760), (Start: 66 @28072 has 52 MA's), (Start: 75 @28093 has 1 MA's), (116, 28189), (185, 28303), (210, 28366), (246, 28462), (294, 28567), (338, 28717), (422, 28885), (445, 28951), (475, 29008), (501, 29092), (518, 29149),

Gene: HippoPololi_39 Start: 29421, Stop: 28390, Start Num: 137
Candidate Starts for HippoPololi_39:
(Start: 137 @29421 has 77 MA's), (153, 29382), (197, 29268), (221, 29214), (232, 29172), (240, 29151), (274, 29049), (283, 29019), (370, 28779), (400, 28749), (426, 28686), (440, 28653), (446, 28635), (452, 28623),

Gene: Hiyaa_41 Start: 29720, Stop: 30685, Start Num: 122
Candidate Starts for Hiyaa_41:
(Start: 122 @29720 has 3 MA's), (154, 29783), (192, 29882), (208, 29918), (228, 29957), (262, 30020), (263, 30026), (302, 30149), (307, 30167), (313, 30191), (363, 30302), (426, 30419), (440, 30458), (469, 30521),

Gene: HomeFry_71 Start: 51202, Stop: 50012, Start Num: 58
Candidate Starts for HomeFry_71:
(Start: 58 @51202 has 6 MA's), (74, 51175), (113, 51082), (180, 50959), (200, 50905), (210, 50878), (340, 50545), (374, 50458), (384, 50434), (397, 50386), (426, 50317), (477, 50200), (502, 50113), (514, 50083), (521, 50059),

Gene: Horseradish_43 Start: 29685, Stop: 28657, Start Num: 145
Candidate Starts for Horseradish_43:
(76, 29859), (90, 29814), (Start: 145 @29685 has 28 MA's), (221, 29490), (240, 29427), (281, 29301), (299, 29244), (316, 29190), (333, 29139), (406, 29010), (410, 29001), (415, 28989), (431, 28944), (440, 28926), (446, 28908), (492, 28806), (513, 28731),

Gene: Htur_43 Start: 27973, Stop: 28986, Start Num: 106
Candidate Starts for Htur_43:
(Start: 106 @27973 has 22 MA's), (Start: 198 @28183 has 1 MA's), (227, 28252), (263, 28336), (283, 28399), (306, 28471), (307, 28474), (326, 28540), (327, 28543), (375, 28645), (378, 28651), (431, 28735), (436, 28750), (459, 28801), (480, 28849), (498, 28912),

Gene: HubbaBubba_62 Start: 48109, Stop: 47129, Start Num: 174
Candidate Starts for HubbaBubba_62:
(Start: 174 @48109 has 2 MA's), (183, 48085), (199, 48046), (200, 48043), (210, 48016), (219, 47998), (238, 47941), (316, 47743), (320, 47731), (340, 47665), (350, 47638), (373, 47581), (408, 47485), (425, 47440), (426, 47437), (430, 47425), (445, 47383), (477, 47320), (479, 47311), (512, 47209), (514, 47203), (521, 47179),

Gene: Huckleberry_39 Start: 26270, Stop: 27217, Start Num: 137
Candidate Starts for Huckleberry_39:
(Start: 137 @26270 has 77 MA's), (192, 26402), (197, 26414), (Start: 198 @26417 has 1 MA's), (209, 26441), (245, 26537), (263, 26585), (281, 26642), (304, 26714), (306, 26723), (364, 26864), (368, 26873), (427, 26960), (477, 27068), (498, 27143), (500, 27146), (509, 27173), (511, 27176),

Gene: HungryHenry_37 Start: 26772, Stop: 25597, Start Num: 84
Candidate Starts for HungryHenry_37:
(28, 26892), (50, 26841), (Start: 81 @26781 has 16 MA's), (Start: 84 @26772 has 138 MA's), (153, 26649), (Start: 157 @26634 has 1 MA's), (194, 26547), (248, 26397), (267, 26340), (274, 26325), (363, 26046), (374, 26016), (385, 25986), (399, 25983), (438, 25878), (445, 25860), (450, 25848), (467, 25815), (488, 25764), (496, 25731),

Gene: HunterDalle_39 Start: 27432, Stop: 28382, Start Num: 143
Candidate Starts for HunterDalle_39:
(111, 27378), (Start: 143 @27432 has 21 MA's), (Start: 198 @27579 has 1 MA's), (207, 27597), (241, 27687), (261, 27738), (272, 27777), (278, 27792), (283, 27810), (285, 27822), (302, 27870), (337, 27987), (363, 28026), (368, 28038), (427, 28125), (444, 28173), (477, 28233), (498, 28308), (500, 28311), (509, 28338), (511, 28341),

Gene: Huntingdon_41 Start: 27893, Stop: 28828, Start Num: 137
Candidate Starts for Huntingdon_41:
(Start: 137 @27893 has 77 MA's), (Start: 198 @28040 has 1 MA's), (207, 28058), (219, 28082), (244, 28157), (263, 28208), (272, 28238), (278, 28253), (281, 28265), (326, 28415), (363, 28484), (364, 28487), (436, 28598), (498, 28754), (500, 28757), (509, 28784), (511, 28787),

Gene: Huwbert_79 Start: 48394, Stop: 49503, Start Num: 112
Candidate Starts for Huwbert_79:
(Start: 83 @48307 has 3 MA's), (91, 48334), (Start: 112 @48394 has 2 MA's), (Start: 122 @48424 has 3 MA's), (153, 48490), (163, 48517), (224, 48673), (236, 48706), (244, 48730), (291, 48871), (323, 48976), (446, 49252), (452, 49264), (454, 49267), (456, 49270), (457, 49273), (470, 49297), (490, 49336), (506, 49399), (510, 49411),

Gene: IDyn_65 Start: 49575, Stop: 48376, Start Num: 66
Candidate Starts for IDyn_65:
(Start: 49 @49602 has 1 MA's), (Start: 66 @49575 has 52 MA's), (Start: 174 @49356 has 2 MA's), (183, 49332), (199, 49293), (200, 49290), (210, 49263), (219, 49245), (238, 49188), (316, 48990), (320, 48978), (340, 48912), (350, 48885), (373, 48828), (408, 48732), (425, 48687), (426, 48684), (430, 48672), (445, 48630), (477, 48567), (479, 48558), (512, 48456), (514, 48450), (521, 48426),

Gene: Ilzat_37 Start: 26783, Stop: 25608, Start Num: 84
Candidate Starts for Ilzat_37:
(28, 26903), (50, 26852), (Start: 81 @26792 has 16 MA's), (Start: 84 @26783 has 138 MA's), (153, 26660), (Start: 157 @26645 has 1 MA's), (194, 26558), (248, 26408), (267, 26351), (274, 26336), (363, 26057), (374, 26027), (385, 25997), (399, 25994), (438, 25889), (445, 25871), (450, 25859), (467, 25826), (488, 25775), (496, 25742),

Gene: Immaculata_41 Start: 27533, Stop: 28480, Start Num: 137
Candidate Starts for Immaculata_41:
(Start: 137 @27533 has 77 MA's), (167, 27602), (192, 27665), (197, 27677), (Start: 198 @27680 has 1 MA's), (209, 27704), (245, 27800), (263, 27848), (272, 27878), (281, 27905), (304, 27977), (364, 28127), (368, 28136), (427, 28223), (444, 28271), (477, 28331), (498, 28406), (500, 28409), (509, 28436), (511, 28439),

Gene: IndiRoo_43 Start: 26273, Stop: 27280, Start Num: 106
Candidate Starts for IndiRoo_43:
(Start: 106 @26273 has 22 MA's), (Start: 198 @26483 has 1 MA's), (263, 26630), (327, 26837), (366, 26912), (375, 26939), (378, 26945), (431, 27029), (436, 27044), (498, 27206),

Gene: Indlulamithi_68 Start: 48569, Stop: 49600, Start Num: 67
Candidate Starts for Indlulamithi_68:
(Start: 67 @48569 has 11 MA's), (74, 48584), (111, 48671), (116, 48686), (129, 48710), (176, 48794), (197, 48845), (218, 48896), (240, 48959), (274, 48995), (280, 49013), (281, 49019), (296, 49076), (324, 49166), (338, 49211), (362, 49250), (443, 49316), (475, 49379), (477, 49385), (488, 49415),

Gene: Intolerant_48 Start: 35879, Stop: 36877, Start Num: 130
Candidate Starts for Intolerant_48:
(9, 35486), (26, 35642), (59, 35720), (Start: 127 @35873 has 4 MA's), (Start: 130 @35879 has 11 MA's), (Start: 198 @36044 has 1 MA's), (209, 36068), (251, 36176), (261, 36209), (266, 36233), (285, 36293), (301, 36323), (303, 36329), (306, 36341), (307, 36344), (318, 36377), (327, 36413), (368, 36503), (421, 36599), (459, 36698), (464, 36710), (521, 36854),

Gene: Inventa_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Inventa_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Ioannes_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for Ioannes_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (Start: 157 @26944 has 1 MA's), (194, 26857), (248, 26707), (267, 26650), (274, 26635), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Ixel_36 Start: 25399, Stop: 24230, Start Num: 92
Candidate Starts for Ixel_36:
(25, 25537), (56, 25465), (Start: 92 @25399 has 38 MA's), (153, 25285), (257, 25018), (262, 25000), (267, 24976), (274, 24961), (288, 24910), (318, 24820), (363, 24682), (496, 24367), (502, 24343),

Gene: JDawG_42 Start: 28489, Stop: 29616, Start Num: 66
Candidate Starts for JDawG_42:
(1, 28096), (4, 28177), (Start: 66 @28489 has 52 MA's), (Start: 75 @28510 has 1 MA's), (185, 28720), (210, 28783), (246, 28879), (294, 28984), (338, 29134), (422, 29302), (445, 29368), (501, 29509), (518, 29566),

Gene: JackieB_51 Start: 35683, Stop: 36690, Start Num: 130
Candidate Starts for JackieB_51:
(26, 35446), (93, 35596), (Start: 130 @35683 has 11 MA's), (Start: 198 @35848 has 1 MA's), (215, 35878), (223, 35914), (251, 35989), (261, 36022), (266, 36046), (285, 36106), (301, 36136), (306, 36154), (307, 36157), (318, 36190), (327, 36226), (368, 36316), (421, 36412), (459, 36511), (464, 36523), (498, 36601), (509, 36634), (521, 36667),

Gene: JacoRen57_39 Start: 32689, Stop: 31700, Start Num: 157
Candidate Starts for JacoRen57_39:
(Start: 145 @32731 has 28 MA's), (Start: 148 @32719 has 1 MA's), (Start: 157 @32689 has 1 MA's), (208, 32566), (213, 32542), (224, 32500), (231, 32479), (240, 32455), (262, 32389), (263, 32383), (274, 32353), (281, 32329), (283, 32323), (288, 32305), (294, 32296), (303, 32263), (312, 32230), (331, 32170), (341, 32146), (348, 32134), (353, 32122), (370, 32083), (440, 31951), (446, 31933),

Gene: Jalebi_64 Start: 44890, Stop: 46053, Start Num: 65
Candidate Starts for Jalebi_64:
(Start: 65 @44890 has 42 MA's), (74, 44905), (Start: 130 @45034 has 11 MA's), (Start: 181 @45124 has 5 MA's), (182, 45127), (Start: 198 @45163 has 1 MA's), (210, 45196), (272, 45310), (282, 45337), (294, 45376), (296, 45391), (307, 45421), (316, 45451), (324, 45481), (340, 45529), (408, 45664), (445, 45766), (473, 45820), (477, 45829), (479, 45838), (489, 45862), (517, 45955), (542, 46045),

Gene: Jamemuya19_64 Start: 42672, Stop: 43889, Start Num: 65
Candidate Starts for Jamemuya19_64:
(Start: 65 @42672 has 42 MA's), (74, 42687), (Start: 130 @42816 has 11 MA's), (Start: 181 @42906 has 5 MA's), (182, 42909), (Start: 198 @42945 has 1 MA's), (210, 42978), (272, 43092), (282, 43119), (294, 43158), (296, 43173), (307, 43203), (316, 43233), (324, 43263), (340, 43311), (408, 43500), (473, 43656), (477, 43665), (479, 43674), (489, 43698), (504, 43752), (517, 43791), (542, 43881),

Gene: Jamzy_47 Start: 30741, Stop: 29719, Start Num: 138
Candidate Starts for Jamzy_47:
(Start: 138 @30741 has 3 MA's), (197, 30594), (213, 30564), (240, 30477), (260, 30420), (274, 30375), (281, 30351), (283, 30345), (299, 30294), (316, 30240), (323, 30216), (333, 30189), (426, 30012), (431, 29997), (452, 29949), (492, 29859),

Gene: Janus167_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Janus167_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: JasonD_40 Start: 27633, Stop: 26452, Start Num: 84
Candidate Starts for JasonD_40:
(47, 27705), (Start: 81 @27642 has 16 MA's), (Start: 84 @27633 has 138 MA's), (153, 27504), (235, 27288), (248, 27252), (260, 27225), (267, 27195), (274, 27180), (363, 26901), (374, 26871), (385, 26841), (399, 26838), (403, 26829), (445, 26715), (467, 26670), (496, 26586), (518, 26511),

Gene: JasperRussell_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for JasperRussell_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Jemerald_39 Start: 27469, Stop: 26306, Start Num: 94
Candidate Starts for Jemerald_39:
(47, 27556), (Start: 84 @27484 has 138 MA's), (Start: 94 @27469 has 2 MA's), (133, 27406), (153, 27361), (170, 27313), (248, 27109), (262, 27076), (267, 27052), (274, 27037), (288, 26986), (385, 26698), (423, 26635), (427, 26623), (445, 26572), (496, 26443), (502, 26419), (506, 26407),

Gene: Jenos_41 Start: 28279, Stop: 27101, Start Num: 84
Candidate Starts for Jenos_41:
(47, 28351), (Start: 84 @28279 has 138 MA's), (123, 28216), (153, 28153), (235, 27937), (267, 27844), (274, 27829), (350, 27586), (363, 27550), (374, 27520), (385, 27490), (445, 27364), (467, 27319), (496, 27235), (518, 27160),

Gene: Jera_43 Start: 26765, Stop: 27778, Start Num: 106
Candidate Starts for Jera_43:
(Start: 106 @26765 has 22 MA's), (165, 26894), (Start: 198 @26975 has 1 MA's), (227, 27044), (263, 27128), (289, 27212), (306, 27263), (326, 27332), (327, 27335), (375, 27437), (378, 27443), (431, 27527), (436, 27542), (480, 27641), (498, 27704),

Gene: Jerbirus_38 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Jerbirus_38:

(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: JeriBeth_37 Start: 26630, Stop: 25455, Start Num: 84
Candidate Starts for JeriBeth_37:
(28, 26750), (50, 26699), (Start: 81 @26639 has 16 MA's), (Start: 84 @26630 has 138 MA's), (153, 26507), (Start: 157 @26492 has 1 MA's), (194, 26405), (248, 26255), (267, 26198), (274, 26183), (363, 25904), (374, 25874), (385, 25844), (399, 25841), (438, 25736), (445, 25718), (450, 25706), (467, 25673), (488, 25622), (496, 25589),

Gene: Jifall16_66 Start: 53318, Stop: 52119, Start Num: 63
Candidate Starts for Jifall16_66:
(Start: 63 @53318 has 48 MA's), (199, 53030), (200, 53027), (208, 53006), (210, 53000), (316, 52727), (320, 52715), (324, 52697), (335, 52664), (340, 52649), (374, 52562), (408, 52475), (413, 52460), (425, 52430), (426, 52427), (445, 52373), (475, 52316), (476, 52313), (477, 52310), (479, 52301), (514, 52193), (521, 52169),

Gene: JingleBells_43 Start: 28193, Stop: 29350, Start Num: 66
Candidate Starts for JingleBells_43:
(1, 27800), (4, 27881), (Start: 66 @28193 has 52 MA's), (Start: 75 @28214 has 1 MA's), (185, 28424), (210, 28487), (246, 28583), (294, 28688), (338, 28838), (420, 29030), (422, 29036), (445, 29102), (501, 29243), (518, 29300),

Gene: Jingles_36 Start: 26659, Stop: 25496, Start Num: 81
Candidate Starts for Jingles_36:
(50, 26719), (Start: 81 @26659 has 16 MA's), (139, 26569), (153, 26533), (154, 26530), (241, 26299), (267, 26224), (274, 26209), (282, 26182), (343, 26002), (423, 25822), (428, 25807), (496, 25630), (506, 25594), (518, 25555),

Gene: Joann_42 Start: 28143, Stop: 29078, Start Num: 137
Candidate Starts for Joann_42:
(Start: 137 @28143 has 77 MA's), (Start: 198 @28290 has 1 MA's), (207, 28308), (219, 28332), (244, 28407), (272, 28488), (278, 28503), (281, 28515), (363, 28734), (364, 28737), (477, 28929), (487, 28959), (498, 29004), (500, 29007), (509, 29034), (511, 29037),

Gene: Johann_43 Start: 27572, Stop: 28585, Start Num: 106
Candidate Starts for Johann_43:
(89, 27527), (Start: 106 @27572 has 22 MA's), (165, 27701), (Start: 198 @27782 has 1 MA's), (227, 27851), (263, 27935), (281, 27992), (306, 28070), (326, 28139), (327, 28142), (366, 28217), (375, 28244), (378, 28250), (431, 28334), (436, 28349), (459, 28400), (480, 28448), (498, 28511),

Gene: Juanyo_36 Start: 26603, Stop: 25416, Start Num: 84
Candidate Starts for Juanyo_36:
(47, 26675), (Start: 81 @26612 has 16 MA's), (Start: 84 @26603 has 138 MA's), (153, 26480), (Start: 157 @26465 has 1 MA's), (229, 26279), (264, 26174), (267, 26162), (274, 26147), (288, 26096), (374, 25838), (399, 25805), (413, 25772), (428, 25730), (446, 25679), (467, 25637), (488, 25586), (502, 25529), (506, 25517),

Gene: Juicer_39 Start: 27469, Stop: 26306, Start Num: 94
Candidate Starts for Juicer_39:

(47, 27556), (Start: 84 @27484 has 138 MA's), (Start: 94 @27469 has 2 MA's), (133, 27406), (153, 27361), (170, 27313), (248, 27109), (262, 27076), (267, 27052), (274, 27037), (288, 26986), (385, 26698), (423, 26635), (427, 26623), (445, 26572), (496, 26443), (502, 26419), (506, 26407),

Gene: Jumboset_42 Start: 27650, Stop: 28597, Start Num: 137
Candidate Starts for Jumboset_42:
(Start: 137 @27650 has 77 MA's), (192, 27782), (197, 27794), (Start: 198 @27797 has 1 MA's), (209, 27821), (245, 27917), (263, 27965), (272, 27995), (281, 28022), (304, 28094), (364, 28244), (368, 28253), (427, 28340), (444, 28388), (477, 28448), (498, 28523), (500, 28526), (509, 28553), (511, 28556),

Gene: KSunshine22_97 Start: 80248, Stop: 81219, Start Num: 162
Candidate Starts for KSunshine22_97:
(Start: 162 @80248 has 13 MA's), (171, 80272), (Start: 181 @80293 has 5 MA's), (211, 80368), (225, 80407), (283, 80581), (286, 80596), (309, 80671), (324, 80698), (325, 80701), (330, 80722), (354, 80785), (363, 80806), (369, 80821), (373, 80833), (453, 80998), (463, 81019), (501, 81118), (505, 81127), (515, 81157),

Gene: Kabluna_69 Start: 52277, Stop: 51069, Start Num: 66
Candidate Starts for Kabluna_69:
(Start: 66 @52277 has 52 MA's), (Start: 174 @52055 has 2 MA's), (183, 52031), (189, 52016), (199, 51992), (200, 51989), (210, 51962), (238, 51887), (289, 51770), (320, 51674), (340, 51608), (384, 51497), (397, 51449), (408, 51428), (424, 51386), (430, 51368), (445, 51326), (473, 51272), (477, 51263), (479, 51254), (514, 51146),

Gene: Kale_37 Start: 26782, Stop: 25607, Start Num: 84
Candidate Starts for Kale_37:
(28, 26902), (50, 26851), (Start: 81 @26791 has 16 MA's), (Start: 84 @26782 has 138 MA's), (153, 26659), (Start: 157 @26644 has 1 MA's), (248, 26407), (267, 26350), (363, 26056), (374, 26026), (385, 25996), (399, 25993), (438, 25888), (445, 25870), (450, 25858), (467, 25825), (488, 25774), (496, 25741),

Gene: Kalizoi_41 Start: 27475, Stop: 28422, Start Num: 137
Candidate Starts for Kalizoi_41:
(Start: 137 @27475 has 77 MA's), (167, 27544), (192, 27607), (197, 27619), (Start: 198 @27622 has 1 MA's), (209, 27646), (245, 27742), (263, 27790), (272, 27820), (281, 27847), (304, 27919), (364, 28069), (368, 28078), (427, 28165), (444, 28213), (477, 28273), (498, 28348), (500, 28351), (509, 28378), (511, 28381),

Gene: KandZ_56 Start: 43281, Stop: 44411, Start Num: 83
Candidate Starts for KandZ_56:
(Start: 63 @43233 has 48 MA's), (Start: 83 @43281 has 3 MA's), (102, 43320), (Start: 106 @43332 has 22 MA's), (161, 43431), (188, 43494), (210, 43548), (229, 43596), (272, 43662), (308, 43776), (316, 43803), (324, 43833), (338, 43878), (441, 44112), (473, 44178), (477, 44187), (479, 44196), (520, 44322), (542, 44403),

Gene: KannH_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for KannH_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Karate_42 Start: 28845, Stop: 29999, Start Num: 66
Candidate Starts for Karate_42:
(Start: 66 @28845 has 52 MA's), (Start: 75 @28866 has 1 MA's), (185, 29076), (210, 29139), (246, 29235), (294, 29340), (338, 29490), (388, 29616), (408, 29646), (445, 29751), (501, 29892), (518, 29949),

Gene: KatChan_38 Start: 26321, Stop: 25158, Start Num: 92
Candidate Starts for KatChan_38:
(Start: 92 @26321 has 38 MA's), (111, 26309), (153, 26210), (154, 26207), (221, 26045), (267, 25901), (274, 25886), (288, 25835), (318, 25745), (363, 25607), (374, 25577), (385, 25547), (423, 25484), (428, 25469), (506, 25256),

Gene: Kate_44 Start: 28852, Stop: 30006, Start Num: 66
Candidate Starts for Kate_44:
(1, 28453), (Start: 66 @28852 has 52 MA's), (Start: 75 @28873 has 1 MA's), (185, 29083), (210, 29146), (246, 29242), (294, 29347), (338, 29497), (374, 29587), (388, 29623), (408, 29653), (445, 29758), (475, 29815), (501, 29899), (518, 29956),

Gene: Kauala_36 Start: 26645, Stop: 25482, Start Num: 81
Candidate Starts for Kauala_36:
(50, 26705), (Start: 81 @26645 has 16 MA's), (139, 26555), (153, 26519), (154, 26516), (241, 26285), (267, 26210), (274, 26195), (282, 26168), (343, 25988), (428, 25793), (496, 25616), (502, 25592), (506, 25580), (518, 25541),

Gene: Kavo_35 Start: 25266, Stop: 24085, Start Num: 85
Candidate Starts for Kavo_35:
(15, 25482), (22, 25419), (31, 25374), (47, 25338), (Start: 85 @25266 has 5 MA's), (153, 25137), (170, 25089), (257, 24870), (260, 24858), (262, 24852), (267, 24828), (274, 24813), (288, 24762), (318, 24672), (363, 24534), (374, 24504), (381, 24486), (402, 24465), (446, 24345), (488, 24252), (496, 24219), (502, 24195), (506, 24183),

Gene: KayGee_44 Start: 31626, Stop: 30580, Start Num: 144
Candidate Starts for KayGee_44:
(128, 31656), (Start: 140 @31632 has 2 MA's), (Start: 144 @31626 has 2 MA's), (208, 31461), (213, 31437), (216, 31428), (224, 31395), (240, 31350), (274, 31248), (299, 31167), (323, 31089), (341, 31041), (379, 30948), (413, 30912), (426, 30879), (428, 30873), (431, 30864), (438, 30849), (446, 30828), (454, 30813), (502, 30684), (506, 30672), (508, 30666), (513, 30651),

Gene: Keanu_40 Start: 29418, Stop: 30383, Start Num: 121
Candidate Starts for Keanu_40:
(Start: 121 @29418 has 2 MA's), (192, 29580), (208, 29616), (209, 29619), (228, 29655), (262, 29718), (263, 29724), (302, 29847), (307, 29865), (313, 29889), (322, 29919), (354, 29988), (363, 30000), (399, 30060), (426, 30117), (440, 30156), (469, 30219),

Gene: KellyGreen_38 Start: 26761, Stop: 25586, Start Num: 84
Candidate Starts for KellyGreen_38:
(28, 26881), (50, 26830), (Start: 81 @26770 has 16 MA's), (Start: 84 @26761 has 138 MA's), (153, 26638), (164, 26605), (248, 26386), (267, 26329), (363, 26035), (374, 26005), (385, 25975), (399, 25972), (438, 25867), (445, 25849), (450, 25837), (467, 25804), (488, 25753), (496, 25720),

Gene: KidneyBean_67 Start: 53442, Stop: 52243, Start Num: 63
Candidate Starts for KidneyBean_67:

(Start: 63 @53442 has 48 MA's), (199, 53154), (200, 53151), (208, 53130), (210, 53124), (316, 52851), (320, 52839), (324, 52821), (335, 52788), (340, 52773), (374, 52686), (408, 52599), (413, 52584), (425, 52554), (426, 52551), (445, 52497), (475, 52440), (476, 52437), (477, 52434), (479, 52425), (514, 52317), (521, 52293),

Gene: KimJongPhill_82 Start: 60719, Stop: 61843, Start Num: 118
Candidate Starts for KimJongPhill_82:
(17, 60410), (21, 60458), (87, 60635), (Start: 118 @60719 has 2 MA's), (153, 60797), (163, 60824), (Start: 181 @60866 has 5 MA's), (220, 60986), (240, 61052), (244, 61064), (260, 61109), (262, 61118), (274, 61160), (281, 61184), (283, 61190), (291, 61214), (323, 61319), (339, 61364), (344, 61373), (373, 61451), (426, 61550), (446, 61601), (472, 61649), (482, 61676), (496, 61709), (506, 61745), (524, 61811), (534, 61835),

Gene: Kimchi1738_70 Start: 50509, Stop: 49391, Start Num: 69
Candidate Starts for Kimchi1738_70:
(Start: 69 @50509 has 8 MA's), (129, 50374), (163, 50323), (210, 50209), (226, 50167), (238, 50134), (277, 50071), (280, 50062), (282, 50053), (294, 50017), (307, 49963), (370, 49780), (466, 49591), (477, 49570), (488, 49540), (508, 49468), (515, 49453), (517, 49444),

Gene: KingBob_39 Start: 27511, Stop: 28464, Start Num: 143
Candidate Starts for KingBob_39:
(Start: 143 @27511 has 21 MA's), (163, 27568), (Start: 198 @27658 has 1 MA's), (207, 27676), (241, 27766), (261, 27817), (272, 27856), (278, 27871), (283, 27889), (285, 27901), (302, 27949), (337, 28066), (363, 28105), (368, 28117), (477, 28315), (498, 28390), (509, 28420), (511, 28423),

Gene: KingJulien_37 Start: 27202, Stop: 26024, Start Num: 84
Candidate Starts for KingJulien_37:
(47, 27274), (Start: 81 @27211 has 16 MA's), (Start: 84 @27202 has 138 MA's), (153, 27076), (154, 27073), (241, 26842), (267, 26767), (274, 26752), (363, 26473), (385, 26413), (399, 26410), (445, 26287), (488, 26191), (496, 26158),

Gene: Kittykat_40 Start: 26532, Stop: 27479, Start Num: 137
Candidate Starts for Kittykat_40:
(Start: 137 @26532 has 77 MA's), (167, 26601), (192, 26664), (197, 26676), (Start: 198 @26679 has 1 MA's), (209, 26703), (245, 26799), (263, 26847), (281, 26904), (304, 26976), (444, 27270), (477, 27330), (498, 27405), (500, 27408), (509, 27435), (511, 27438),

Gene: Klimt_37 Start: 26762, Stop: 25587, Start Num: 84
Candidate Starts for Klimt_37:
(28, 26882), (50, 26831), (Start: 81 @26771 has 16 MA's), (Start: 84 @26762 has 138 MA's), (153, 26639), (164, 26606), (248, 26387), (267, 26330), (363, 26036), (374, 26006), (385, 25976), (399, 25973), (438, 25868), (445, 25850), (450, 25838), (467, 25805), (488, 25754), (496, 25721),

Gene: Knox_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for Knox_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Koji_36 Start: 26838, Stop: 25675, Start Num: 81
Candidate Starts for Koji_36:
(50, 26898), (Start: 81 @26838 has 16 MA's), (139, 26748), (153, 26712), (154, 26709), (241, 26478), (264, 26415), (267, 26403), (274, 26388), (282, 26361), (343, 26181), (357, 26136), (423, 26001),

(428, 25986), (496, 25809), (506, 25773), (518, 25734),

Gene: Kokushibo_41 Start: 29670, Stop: 30635, Start Num: 122
Candidate Starts for Kokushibo_41:
(Start: 122 @29670 has 3 MA's), (154, 29733), (192, 29832), (208, 29868), (228, 29907), (262, 29970), (263, 29976), (302, 30099), (307, 30117), (313, 30141), (323, 30174), (363, 30252), (426, 30369), (440, 30408), (469, 30471),

Gene: Konstantine_71 Start: 50914, Stop: 52203, Start Num: 46
Candidate Starts for Konstantine_71:
(29, 50875), (Start: 41 @50899 has 1 MA's), (Start: 46 @50914 has 9 MA's), (104, 51028), (110, 51046), (129, 51088), (208, 51262), (210, 51268), (229, 51319), (276, 51433), (281, 51451), (282, 51454), (285, 51469), (294, 51490), (330, 51622), (334, 51628), (418, 51811), (426, 51829), (445, 51883), (476, 51943), (489, 51979), (518, 52075),

Gene: Korra_41 Start: 27487, Stop: 28434, Start Num: 137
Candidate Starts for Korra_41:
(Start: 137 @27487 has 77 MA's), (192, 27619), (197, 27631), (Start: 198 @27634 has 1 MA's), (209, 27658), (245, 27754), (263, 27802), (272, 27832), (281, 27859), (304, 27931), (364, 28081), (368, 28090), (427, 28177), (444, 28225), (477, 28285), (498, 28360), (500, 28363), (509, 28390), (511, 28393),

Gene: Kors_46 Start: 29786, Stop: 30883, Start Num: 70
Candidate Starts for Kors_46:
(Start: 36 @29732 has 1 MA's), (Start: 70 @29786 has 5 MA's), (Start: 72 @29789 has 1 MA's), (Start: 75 @29795 has 1 MA's), (185, 30005), (187, 30011), (206, 30056), (210, 30068), (235, 30131), (246, 30164), (294, 30269), (345, 30431), (422, 30566), (430, 30590), (504, 30782), (518, 30830),

Gene: Kouch_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Kouch_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (164, 26611), (248, 26392), (267, 26335), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Krampus_43 Start: 28852, Stop: 30006, Start Num: 66
Candidate Starts for Krampus_43:
(1, 28453), (Start: 66 @28852 has 52 MA's), (Start: 75 @28873 has 1 MA's), (185, 29083), (210, 29146), (246, 29242), (294, 29347), (338, 29497), (374, 29587), (388, 29623), (408, 29653), (445, 29758), (475, 29815), (501, 29899), (518, 29956),

Gene: Kurt_66 Start: 53312, Stop: 52113, Start Num: 63
Candidate Starts for Kurt_66:
(Start: 63 @53312 has 48 MA's), (199, 53024), (200, 53021), (208, 53000), (210, 52994), (316, 52721), (320, 52709), (324, 52691), (335, 52658), (340, 52643), (374, 52556), (408, 52469), (413, 52454), (425, 52424), (426, 52421), (445, 52367), (475, 52310), (476, 52307), (477, 52304), (479, 52295), (514, 52187), (521, 52163),

Gene: Kurt1_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Kurt1_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Labella_45 Start: 27803, Stop: 28816, Start Num: 106
Candidate Starts for Labella_45:
(Start: 106 @27803 has 22 MA's), (165, 27932), (Start: 198 @28013 has 1 MA's), (227, 28082), (263, 28166), (289, 28250), (306, 28301), (326, 28370), (327, 28373), (375, 28475), (378, 28481), (431, 28565), (436, 28580), (459, 28631), (480, 28679), (498, 28742),

Gene: Labelle_80 Start: 52685, Stop: 53917, Start Num: 55
Candidate Starts for Labelle_80:
(Start: 55 @52685 has 4 MA's), (86, 52739), (105, 52778), (Start: 106 @52781 has 22 MA's), (110, 52790), (123, 52823), (Start: 135 @52847 has 1 MA's), (206, 53012), (210, 53024), (241, 53105), (277, 53189), (283, 53210), (294, 53252), (334, 53390), (352, 53441), (373, 53492), (405, 53528), (426, 53576), (445, 53630), (477, 53693), (525, 53861), (539, 53903),

Gene: LadyJasley_46 Start: 38676, Stop: 37750, Start Num: 198
Candidate Starts for LadyJasley_46:
(191, 38694), (Start: 198 @38676 has 1 MA's), (201, 38667), (234, 38574), (255, 38526), (266, 38478), (267, 38475), (268, 38472), (294, 38400), (308, 38343), (310, 38334), (311, 38331), (347, 38226), (427, 38046), (432, 38031), (483, 37911), (486, 37893), (513, 37800),

Gene: Lakshmi_42 Start: 28138, Stop: 29085, Start Num: 137
Candidate Starts for Lakshmi_42:
(Start: 137 @28138 has 77 MA's), (Start: 198 @28285 has 1 MA's), (219, 28327), (244, 28402), (272, 28483), (278, 28498), (281, 28510), (326, 28660), (363, 28729), (364, 28732), (487, 28966), (498, 29011), (500, 29014), (509, 29041), (511, 29044),

Gene: Lambo_63 Start: 43490, Stop: 44707, Start Num: 65
Candidate Starts for Lambo_63:
(Start: 65 @43490 has 42 MA's), (74, 43505), (Start: 130 @43634 has 11 MA's), (Start: 181 @43724 has 5 MA's), (182, 43727), (Start: 198 @43763 has 1 MA's), (210, 43796), (272, 43910), (282, 43937), (294, 43976), (296, 43991), (307, 44021), (316, 44051), (324, 44081), (340, 44129), (445, 44420), (473, 44474), (477, 44483), (479, 44492), (489, 44516), (517, 44609), (542, 44699),

Gene: Lasagna_38 Start: 26108, Stop: 27058, Start Num: 137
Candidate Starts for Lasagna_38:
(Start: 137 @26108 has 77 MA's), (192, 26240), (197, 26252), (Start: 198 @26255 has 1 MA's), (209, 26279), (245, 26375), (263, 26423), (266, 26438), (281, 26480), (287, 26504), (304, 26552), (351, 26678), (363, 26702), (364, 26705), (368, 26714), (444, 26849), (477, 26909), (498, 26984), (509, 27014), (511, 27017),

Gene: LastNadiia_39 Start: 26882, Stop: 25941, Start Num: 177
Candidate Starts for LastNadiia_39:
(Start: 177 @26882 has 11 MA's), (218, 26777), (252, 26681), (359, 26366), (368, 26345), (413, 26279), (453, 26174), (479, 26117), (501, 26054), (505, 26045), (522, 25991),

Gene: Lauer_39 Start: 32447, Stop: 31389, Start Num: 134
Candidate Starts for Lauer_39:
(Start: 134 @32447 has 1 MA's), (186, 32321), (208, 32270), (213, 32246), (216, 32237), (224, 32204), (240, 32159), (274, 32057), (299, 31976), (323, 31898), (341, 31850), (379, 31757), (413, 31721), (426, 31688), (428, 31682), (431, 31673), (446, 31637), (454, 31622), (502, 31493), (506, 31481), (508, 31475), (513, 31460),

Gene: Laure_107 Start: 76210, Stop: 77187, Start Num: 162

Candidate Starts for Laure_107:
(Start: 162 @76210 has 13 MA's), (171, 76234), (Start: 181 @76255 has 5 MA's), (221, 76354), (245, 76426), (286, 76558), (291, 76567), (325, 76663), (330, 76684), (354, 76747), (363, 76768), (369, 76783), (373, 76795), (435, 76915), (453, 76960), (463, 76981), (505, 77089), (515, 77119), (518, 77131),

Gene: LavAbarElk_65 Start: 43284, Stop: 44447, Start Num: 65
Candidate Starts for LavAbarElk_65:
(Start: 65 @43284 has 42 MA's), (74, 43299), (Start: 130 @43428 has 11 MA's), (Start: 181 @43518 has 5 MA's), (182, 43521), (Start: 198 @43557 has 1 MA's), (210, 43590), (272, 43704), (282, 43731), (294, 43770), (296, 43785), (307, 43815), (316, 43845), (324, 43875), (340, 43923), (408, 44058), (445, 44160), (473, 44214), (477, 44223), (479, 44232), (489, 44256), (517, 44349), (542, 44439),

Gene: LazerLemon_51 Start: 36312, Stop: 37310, Start Num: 130
Candidate Starts for LazerLemon_51:
(26, 36060), (35, 36087), (Start: 57 @36132 has 1 MA's), (59, 36135), (Start: 130 @36312 has 11 MA's), (Start: 198 @36477 has 1 MA's), (219, 36519), (251, 36609), (261, 36642), (266, 36666), (301, 36756), (306, 36774), (307, 36777), (327, 36846), (368, 36936), (382, 36975), (421, 37032), (464, 37143), (507, 37248), (521, 37287),

Gene: Leafus_37 Start: 27347, Stop: 26169, Start Num: 84
Candidate Starts for Leafus_37:
(47, 27419), (Start: 84 @27347 has 138 MA's), (153, 27221), (154, 27218), (229, 27020), (241, 26987), (267, 26912), (274, 26897), (363, 26618), (385, 26558), (399, 26555), (402, 26549), (445, 26432), (488, 26336), (496, 26303),

Gene: Lennox_39 Start: 26316, Stop: 27266, Start Num: 137
Candidate Starts for Lennox_39:
(Start: 137 @26316 has 77 MA's), (192, 26448), (197, 26460), (Start: 198 @26463 has 1 MA's), (209, 26487), (245, 26583), (263, 26631), (266, 26646), (281, 26688), (287, 26712), (302, 26754), (304, 26760), (351, 26886), (363, 26910), (364, 26913), (368, 26922), (444, 27057), (477, 27117), (498, 27192), (509, 27222), (511, 27225),

Gene: LeoJr_102 Start: 83555, Stop: 84526, Start Num: 162
Candidate Starts for LeoJr_102:
(Start: 162 @83555 has 13 MA's), (171, 83579), (Start: 181 @83600 has 5 MA's), (225, 83714), (283, 83888), (286, 83903), (309, 83978), (324, 84005), (325, 84008), (328, 84023), (354, 84092), (363, 84113), (369, 84128), (373, 84140), (435, 84260), (442, 84281), (453, 84305), (463, 84326), (501, 84425), (505, 84434),

Gene: Leopard_73 Start: 50916, Stop: 52133, Start Num: 63
Candidate Starts for Leopard_73:
(Start: 63 @50916 has 48 MA's), (Start: 75 @50943 has 1 MA's), (95, 50997), (110, 51042), (139, 51108), (155, 51120), (178, 51168), (182, 51180), (195, 51210), (196, 51213), (206, 51240), (218, 51267), (274, 51396), (305, 51516), (307, 51522), (334, 51612), (349, 51654), (356, 51672), (364, 51690), (410, 51753), (441, 51837), (477, 51912), (478, 51918), (479, 51921), (501, 51990), (504, 51999), (519, 52044), (535, 52101),

Gene: Librie_35 Start: 24974, Stop: 23796, Start Num: 92
Candidate Starts for Librie_35:
(53, 25046), (Start: 65 @25031 has 42 MA's), (Start: 92 @24974 has 38 MA's), (153, 24860), (267, 24542), (274, 24527), (288, 24476), (350, 24284), (363, 24248), (385, 24188), (399, 24185), (428, 24110), (446, 24059), (492, 23954), (506, 23897),

Gene: LilStuart_39 Start: 26319, Stop: 27269, Start Num: 137
Candidate Starts for LilStuart_39:
(Start: 137 @26319 has 77 MA's), (192, 26451), (197, 26463), (Start: 198 @26466 has 1 MA's), (209, 26490), (245, 26586), (263, 26634), (281, 26691), (287, 26715), (302, 26757), (304, 26763), (351, 26889), (363, 26913), (364, 26916), (368, 26925), (444, 27060), (477, 27120), (498, 27195), (509, 27225), (511, 27228),

Gene: LilTerminator_35 Start: 24996, Stop: 23818, Start Num: 92
Candidate Starts for LilTerminator_35:
(53, 25068), (Start: 65 @25053 has 42 MA's), (Start: 92 @24996 has 38 MA's), (153, 24882), (Start: 174 @24825 has 2 MA's), (267, 24564), (274, 24549), (288, 24498), (350, 24306), (363, 24270), (385, 24210), (399, 24207), (428, 24132), (446, 24081), (492, 23976), (506, 23919),

Gene: Lila22_66 Start: 44442, Stop: 45659, Start Num: 65
Candidate Starts for Lila22_66:
(Start: 65 @44442 has 42 MA's), (74, 44457), (Start: 130 @44586 has 11 MA's), (Start: 181 @44676 has 5 MA's), (182, 44679), (Start: 198 @44715 has 1 MA's), (210, 44748), (272, 44862), (282, 44889), (294, 44928), (296, 44943), (307, 44973), (316, 45003), (324, 45033), (340, 45081), (473, 45426), (477, 45435), (479, 45444), (489, 45468), (517, 45561), (542, 45651),

Gene: LilyPad_56 Start: 41683, Stop: 42828, Start Num: 62
Candidate Starts for LilyPad_56:
(Start: 62 @41683 has 5 MA's), (Start: 67 @41692 has 11 MA's), (126, 41818), (131, 41830), (218, 42007), (282, 42112), (334, 42286), (337, 42298), (396, 42430), (426, 42478), (434, 42499), (436, 42508), (438, 42514), (445, 42532), (450, 42544), (468, 42577), (476, 42592), (477, 42595), (478, 42601), (494, 42646), (515, 42712), (518, 42724),

Gene: Linayshia_43 Start: 27941, Stop: 28954, Start Num: 106
Candidate Starts for Linayshia_43:
(Start: 106 @27941 has 22 MA's), (Start: 198 @28151 has 1 MA's), (227, 28220), (263, 28304), (283, 28367), (306, 28439), (307, 28442), (326, 28508), (327, 28511), (375, 28613), (378, 28619), (431, 28703), (436, 28718), (459, 28769), (480, 28817), (498, 28880),

Gene: Litotes_41 Start: 27533, Stop: 28480, Start Num: 137
Candidate Starts for Litotes_41:
(Start: 137 @27533 has 77 MA's), (197, 27677), (Start: 198 @27680 has 1 MA's), (Start: 203 @27695 has 1 MA's), (219, 27722), (240, 27785), (263, 27848), (278, 27893), (281, 27905), (287, 27929), (326, 28055), (363, 28124), (364, 28127), (427, 28223), (444, 28271), (477, 28331), (498, 28406), (509, 28436), (511, 28439),

Gene: LittleFella_61 Start: 43303, Stop: 44364, Start Num: 57
Candidate Starts for LittleFella_61:
(Start: 57 @43303 has 1 MA's), (Start: 62 @43309 has 5 MA's), (Start: 67 @43318 has 11 MA's), (102, 43387), (161, 43528), (163, 43531), (218, 43663), (229, 43696), (281, 43765), (307, 43852), (340, 43960), (468, 44113), (476, 44128), (477, 44131), (484, 44152), (515, 44248), (518, 44260), (537, 44323), (540, 44341),

Gene: Lizz_66 Start: 47161, Stop: 46163, Start Num: 61
Candidate Starts for Lizz_66:
(37, 47212), (Start: 61 @47161 has 7 MA's), (74, 47149), (210, 46870), (214, 46867), (273, 46738), (282, 46711), (294, 46675), (316, 46600), (320, 46588), (338, 46525), (460, 46384), (477, 46351), (479, 46342), (501, 46270), (502, 46264), (526, 46180),

Gene: Lollipop1437_70 Start: 53959, Stop: 52760, Start Num: 54
Candidate Starts for Lollipop1437_70:
(Start: 54 @53959 has 2 MA's), (Start: 58 @53950 has 6 MA's), (161, 53752), (Start: 198 @53659 has 1 MA's), (199, 53656), (200, 53653), (210, 53626), (219, 53608), (238, 53551), (320, 53356), (321, 53353), (324, 53338), (340, 53290), (387, 53176), (391, 53164), (408, 53116), (426, 53068), (445, 53014), (477, 52951), (479, 52942), (517, 52822),

Gene: LongHai_44 Start: 32247, Stop: 31231, Start Num: 137
Candidate Starts for LongHai_44:
(Start: 137 @32247 has 77 MA's), (172, 32154), (Start: 174 @32151 has 2 MA's), (212, 32064), (240, 31977), (260, 31920), (263, 31905), (281, 31851), (318, 31737), (431, 31497), (438, 31482), (446, 31461), (491, 31374), (501, 31335), (516, 31284), (523, 31263),

Gene: LordBart_46 Start: 29698, Stop: 30792, Start Num: 72
Candidate Starts for LordBart_46:
(Start: 36 @29641 has 1 MA's), (Start: 70 @29695 has 5 MA's), (Start: 72 @29698 has 1 MA's), (Start: 75 @29704 has 1 MA's), (185, 29914), (187, 29920), (206, 29965), (210, 29977), (235, 30040), (246, 30073), (294, 30178), (345, 30340), (422, 30475), (430, 30499), (504, 30691), (518, 30739),

Gene: Lovelyunicorn_38 Start: 27083, Stop: 25908, Start Num: 84
Candidate Starts for Lovelyunicorn_38:
(28, 27203), (50, 27152), (Start: 81 @27092 has 16 MA's), (Start: 84 @27083 has 138 MA's), (153, 26960), (194, 26858), (248, 26708), (267, 26651), (363, 26357), (374, 26327), (385, 26297), (399, 26294), (438, 26189), (445, 26171), (450, 26159), (467, 26126), (488, 26075), (496, 26042),

Gene: Lucky3_36 Start: 26754, Stop: 25594, Start Num: 81
Candidate Starts for Lucky3_36:
(47, 26817), (50, 26814), (Start: 81 @26754 has 16 MA's), (153, 26634), (154, 26631), (241, 26400), (274, 26310), (282, 26283), (423, 25923), (428, 25908), (446, 25857), (496, 25731), (502, 25707), (506, 25695),

Gene: LuckyLeo_62 Start: 43297, Stop: 44457, Start Num: 65
Candidate Starts for LuckyLeo_62:
(Start: 65 @43297 has 42 MA's), (74, 43312), (Start: 130 @43441 has 11 MA's), (Start: 181 @43531 has 5 MA's), (200, 43576), (210, 43603), (282, 43744), (296, 43795), (307, 43825), (316, 43855), (340, 43933), (364, 43993), (370, 44008), (389, 44029), (408, 44068), (410, 44074), (447, 44176), (473, 44224), (477, 44233), (489, 44266), (517, 44359), (542, 44449),

Gene: Lucy_39 Start: 26316, Stop: 27266, Start Num: 137
Candidate Starts for Lucy_39:
(Start: 137 @26316 has 77 MA's), (192, 26448), (197, 26460), (Start: 198 @26463 has 1 MA's), (209, 26487), (245, 26583), (263, 26631), (266, 26646), (281, 26688), (287, 26712), (302, 26754), (304, 26760), (351, 26886), (363, 26910), (364, 26913), (368, 26922), (444, 27057), (477, 27117), (498, 27192), (509, 27222), (511, 27225),

Gene: Ludgate_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Ludgate_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Luna18_38 Start: 26321, Stop: 25158, Start Num: 92
Candidate Starts for Luna18_38:
(Start: 92 @26321 has 38 MA's), (111, 26309), (153, 26210), (154, 26207), (221, 26045), (267, 25901), (274, 25886), (288, 25835), (318, 25745), (363, 25607), (374, 25577), (385, 25547), (423, 25484), (428, 25469), (506, 25256),

Gene: MAnor_44 Start: 31980, Stop: 30922, Start Num: 136
Candidate Starts for MAnor_44:
(125, 32004), (Start: 136 @31980 has 10 MA's), (186, 31854), (208, 31803), (216, 31770), (224, 31737), (240, 31692), (274, 31590), (282, 31563), (299, 31509), (323, 31431), (331, 31407), (341, 31383), (379, 31290), (426, 31221), (428, 31215), (431, 31206), (446, 31170), (447, 31167), (454, 31155), (492, 31068), (502, 31026), (506, 31014), (508, 31008), (513, 30993),

Gene: MCubed_37 Start: 26822, Stop: 25659, Start Num: 92
Candidate Starts for MCubed_37:
(Start: 69 @26858 has 8 MA's), (Start: 73 @26849 has 3 MA's), (Start: 92 @26822 has 38 MA's), (153, 26711), (170, 26663), (241, 26477), (257, 26444), (262, 26426), (267, 26402), (274, 26387), (288, 26336), (318, 26246), (363, 26108), (374, 26078), (385, 26048), (399, 26045), (410, 26021), (446, 25919), (488, 25826), (496, 25793), (502, 25769), (506, 25757),

Gene: MScarn_45 Start: 29939, Stop: 28908, Start Num: 145
Candidate Starts for MScarn_45:
(90, 30068), (101, 30038), (Start: 119 @29984 has 1 MA's), (124, 29975), (Start: 145 @29939 has 28 MA's), (197, 29798), (240, 29681), (260, 29624), (281, 29555), (294, 29522), (316, 29444), (333, 29393), (431, 29198), (440, 29180), (446, 29162), (486, 29078), (492, 29060),

Gene: MaVan_39 Start: 29709, Stop: 28678, Start Num: 137
Candidate Starts for MaVan_39:
(Start: 137 @29709 has 77 MA's), (153, 29670), (Start: 174 @29613 has 2 MA's), (197, 29556), (213, 29526), (232, 29460), (240, 29439), (274, 29337), (283, 29307), (294, 29280), (307, 29232), (316, 29202), (400, 29037), (440, 28941), (446, 28923), (454, 28908),

Gene: MacGully_76 Start: 53240, Stop: 52086, Start Num: 63
Candidate Starts for MacGully_76:
(38, 53291), (Start: 63 @53240 has 48 MA's), (163, 53042), (200, 52946), (210, 52919), (217, 52907), (229, 52871), (282, 52781), (338, 52595), (340, 52592), (356, 52550), (384, 52490), (426, 52394), (477, 52277), (478, 52271), (517, 52148), (518, 52145),

Gene: Maco6_41 Start: 31189, Stop: 30173, Start Num: 137
Candidate Starts for Maco6_41:
(Start: 137 @31189 has 77 MA's), (172, 31096), (Start: 174 @31093 has 2 MA's), (212, 31006), (240, 30919), (260, 30862), (263, 30847), (281, 30793), (341, 30610), (431, 30439), (438, 30424), (446, 30403), (474, 30355), (501, 30277), (516, 30226), (523, 30205),

Gene: Madi_54 Start: 40504, Stop: 41709, Start Num: 32
Candidate Starts for Madi_54:
(Start: 32 @40504 has 4 MA's), (Start: 62 @40564 has 5 MA's), (Start: 67 @40573 has 11 MA's), (131, 40711), (151, 40735), (218, 40888), (229, 40921), (334, 41167), (335, 41170), (336, 41176), (343, 41191), (396, 41311), (426, 41359), (436, 41389), (438, 41395), (450, 41425), (468, 41458), (477, 41476), (478, 41482), (504, 41563), (515, 41593), (518, 41605), (537, 41668),

Gene: Madruga_79 Start: 52639, Stop: 53871, Start Num: 55
Candidate Starts for Madruga_79:

(Start: 55 @52639 has 4 MA's), (86, 52693), (Start: 106 @52735 has 22 MA's), (110, 52744), (123, 52777), (Start: 135 @52801 has 1 MA's), (206, 52966), (210, 52978), (241, 53059), (277, 53143), (283, 53164), (294, 53206), (334, 53344), (352, 53395), (373, 53446), (405, 53482), (426, 53530), (445, 53584), (477, 53647), (525, 53815), (539, 53857),

Gene: MaeLinda_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for MaeLinda_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (Start: 157 @26944 has 1 MA's), (248, 26707), (267, 26650), (274, 26635), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Makima_37 Start: 25998, Stop: 25066, Start Num: 177
Candidate Starts for Makima_37:
(Start: 177 @25998 has 11 MA's), (218, 25902), (283, 25698), (303, 25632), (359, 25491), (368, 25470), (413, 25404), (453, 25299), (479, 25242), (482, 25233), (488, 25230), (501, 25179), (505, 25170), (522, 25116),

Gene: Makoto_39 Start: 26327, Stop: 27277, Start Num: 137
Candidate Starts for Makoto_39:
(Start: 137 @26327 has 77 MA's), (192, 26459), (197, 26471), (Start: 198 @26474 has 1 MA's), (209, 26498), (245, 26594), (263, 26642), (266, 26657), (281, 26699), (287, 26723), (302, 26765), (304, 26771), (351, 26897), (363, 26921), (364, 26924), (368, 26933), (444, 27068), (477, 27128), (498, 27203), (509, 27233), (511, 27236),

Gene: Malvina_40 Start: 29419, Stop: 28388, Start Num: 137
Candidate Starts for Malvina_40:
(Start: 137 @29419 has 77 MA's), (153, 29380), (197, 29266), (221, 29212), (232, 29170), (240, 29149), (274, 29047), (283, 29017), (370, 28777), (400, 28747), (426, 28684), (440, 28651), (446, 28633), (452, 28621),

Gene: MamaPearl_40 Start: 27489, Stop: 28439, Start Num: 137
Candidate Starts for MamaPearl_40:
(Start: 137 @27489 has 77 MA's), (192, 27621), (Start: 198 @27636 has 1 MA's), (Start: 203 @27651 has 1 MA's), (209, 27660), (245, 27756), (263, 27804), (266, 27819), (281, 27861), (287, 27885), (304, 27933), (306, 27942), (351, 28059), (364, 28086), (368, 28095), (477, 28290), (480, 28302), (498, 28365), (500, 28368), (509, 28395), (511, 28398),

Gene: ManRay_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for ManRay_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (Start: 157 @26642 has 1 MA's), (248, 26405), (267, 26348), (274, 26333), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: Mandalorian_35 Start: 26523, Stop: 25345, Start Num: 92
Candidate Starts for Mandalorian_35:
(Start: 92 @26523 has 38 MA's), (Start: 148 @26424 has 1 MA's), (153, 26409), (Start: 157 @26394 has 1 MA's), (262, 26115), (264, 26103), (267, 26091), (274, 26076), (288, 26025), (363, 25797), (374, 25767), (385, 25737), (399, 25734), (423, 25674), (428, 25659), (446, 25608), (488, 25515), (506, 25446),

Gene: Mareelih_165 Start: 94021, Stop: 93029, Start Num: 160

Candidate Starts for Mareelih_165:
(152, 94045), (Start: 160 @94021 has 4 MA's), (202, 93919), (229, 93847), (283, 93694), (309, 93604), (353, 93496), (355, 93487), (368, 93457), (369, 93454), (372, 93445), (403, 93400), (413, 93376), (442, 93295), (451, 93274), (473, 93232), (505, 93145), (506, 93142), (515, 93115), (533, 93052), (534, 93049),

Gene: Margaret_48 Start: 31484, Stop: 30459, Start Num: 141
Candidate Starts for Margaret_48:
(Start: 141 @31484 has 1 MA's), (Start: 148 @31466 has 1 MA's), (Start: 150 @31463 has 3 MA's), (197, 31337), (213, 31307), (240, 31220), (260, 31163), (281, 31094), (283, 31088), (299, 31037), (316, 30983), (323, 30959), (333, 30932), (363, 30863), (380, 30818), (406, 30803), (424, 30755), (426, 30752), (431, 30737), (452, 30689), (461, 30671), (513, 30524),

Gene: Maria1952_38 Start: 27510, Stop: 28463, Start Num: 143
Candidate Starts for Maria1952_38:
(Start: 143 @27510 has 21 MA's), (163, 27567), (Start: 198 @27657 has 1 MA's), (207, 27675), (241, 27765), (261, 27816), (272, 27855), (278, 27870), (283, 27888), (285, 27900), (302, 27948), (337, 28065), (363, 28104), (368, 28116), (477, 28314), (498, 28389), (509, 28419), (511, 28422),

Gene: Marietta_68 Start: 49875, Stop: 48676, Start Num: 66
Candidate Starts for Marietta_68:
(Start: 66 @49875 has 52 MA's), (Start: 174 @49656 has 2 MA's), (183, 49632), (199, 49593), (200, 49590), (210, 49563), (219, 49545), (238, 49488), (316, 49290), (340, 49212), (350, 49185), (373, 49128), (374, 49125), (408, 49032), (425, 48987), (426, 48984), (430, 48972), (445, 48930), (477, 48867), (479, 48858), (512, 48756), (514, 48750), (521, 48726),

Gene: Marky_53 Start: 36621, Stop: 37619, Start Num: 130
Candidate Starts for Marky_53:
(29, 36390), (103, 36564), (Start: 130 @36621 has 11 MA's), (Start: 198 @36786 has 1 MA's), (220, 36831), (230, 36867), (251, 36918), (261, 36951), (303, 37071), (307, 37086), (313, 37110), (324, 37146), (368, 37263), (401, 37311), (460, 37437), (464, 37446), (506, 37548), (521, 37590),

Gene: Martin_39 Start: 27087, Stop: 25912, Start Num: 84
Candidate Starts for Martin_39:
(28, 27207), (50, 27156), (Start: 81 @27096 has 16 MA's), (Start: 84 @27087 has 138 MA's), (153, 26964), (Start: 157 @26949 has 1 MA's), (248, 26712), (267, 26655), (274, 26640), (363, 26361), (374, 26331), (385, 26301), (399, 26298), (438, 26193), (445, 26175), (450, 26163), (467, 26130), (488, 26079), (496, 26046),

Gene: Maselop_67 Start: 50089, Stop: 48926, Start Num: 63
Candidate Starts for Maselop_67:
(16, 50227), (38, 50119), (Start: 63 @50089 has 48 MA's), (163, 49891), (210, 49768), (217, 49756), (282, 49630), (289, 49603), (340, 49441), (395, 49297), (418, 49258), (426, 49234), (477, 49117), (478, 49111), (518, 48985),

Gene: Mayweather_46 Start: 32259, Stop: 31201, Start Num: 136
Candidate Starts for Mayweather_46:
(125, 32283), (Start: 136 @32259 has 10 MA's), (186, 32133), (208, 32082), (213, 32058), (216, 32049), (224, 32016), (240, 31971), (274, 31869), (299, 31788), (323, 31710), (341, 31662), (379, 31569), (426, 31500), (428, 31494), (431, 31485), (446, 31449), (447, 31446), (454, 31434), (502, 31305), (506, 31293), (508, 31287), (513, 31272),

Gene: McDazzle_45 Start: 31749, Stop: 30691, Start Num: 143

Candidate Starts for McDazzle_45:
(Start: 143 @31749 has 21 MA's), (186, 31632), (197, 31605), (208, 31581), (216, 31548), (224, 31515), (240, 31470), (274, 31368), (299, 31287), (323, 31209), (331, 31185), (341, 31161), (348, 31149), (379, 31068), (426, 30999), (428, 30993), (431, 30984), (446, 30948), (454, 30933), (502, 30804), (506, 30792), (508, 30786), (513, 30771),

Gene: McGalleon_40 Start: 28490, Stop: 27312, Start Num: 84
Candidate Starts for McGalleon_40:
(47, 28562), (Start: 84 @28490 has 138 MA's), (153, 28364), (235, 28148), (267, 28055), (274, 28040), (363, 27761), (372, 27737), (374, 27731), (385, 27701), (445, 27575), (467, 27530), (496, 27446), (518, 27371),

Gene: MeganNoll_41 Start: 27707, Stop: 28654, Start Num: 137
Candidate Starts for MeganNoll_41:
(Start: 137 @27707 has 77 MA's), (192, 27839), (197, 27851), (Start: 198 @27854 has 1 MA's), (209, 27878), (245, 27974), (263, 28022), (272, 28052), (281, 28079), (304, 28151), (364, 28301), (368, 28310), (427, 28397), (444, 28445), (477, 28505), (498, 28580), (509, 28610), (511, 28613),

Gene: Megatron06_68 Start: 50660, Stop: 51949, Start Num: 46
Candidate Starts for Megatron06_68:
(29, 50621), (Start: 41 @50645 has 1 MA's), (Start: 46 @50660 has 9 MA's), (104, 50774), (Start: 106 @50783 has 22 MA's), (110, 50792), (129, 50834), (208, 51008), (210, 51014), (229, 51065), (276, 51179), (281, 51197), (282, 51200), (285, 51215), (294, 51236), (330, 51368), (334, 51374), (393, 51512), (418, 51557), (426, 51575), (445, 51629), (476, 51689), (489, 51725), (518, 51821),

Gene: MerCougar_69 Start: 54002, Stop: 52794, Start Num: 66
Candidate Starts for MerCougar_69:
(Start: 66 @54002 has 52 MA's), (Start: 174 @53780 has 2 MA's), (183, 53756), (199, 53717), (200, 53714), (210, 53687), (238, 53612), (320, 53399), (340, 53333), (374, 53246), (384, 53222), (397, 53174), (426, 53105), (430, 53093), (445, 53051), (473, 52997), (477, 52988), (479, 52979), (514, 52871), (517, 52859),

Gene: Mercedes_32 Start: 23957, Stop: 22776, Start Num: 92
Candidate Starts for Mercedes_32:
(Start: 92 @23957 has 38 MA's), (153, 23843), (248, 23591), (264, 23537), (267, 23525), (288, 23459), (363, 23231), (374, 23201), (399, 23168), (428, 23093), (446, 23042), (488, 22949), (506, 22880),

Gene: Merida02_39 Start: 27081, Stop: 25906, Start Num: 84
Candidate Starts for Merida02_39:
(28, 27201), (50, 27150), (Start: 81 @27090 has 16 MA's), (Start: 84 @27081 has 138 MA's), (153, 26958), (Start: 157 @26943 has 1 MA's), (248, 26706), (267, 26649), (363, 26355), (374, 26325), (385, 26295), (399, 26292), (438, 26187), (445, 26169), (450, 26157), (467, 26124), (488, 26073), (496, 26040),

Gene: Microdon_49 Start: 35690, Stop: 36691, Start Num: 130
Candidate Starts for Microdon_49:
(26, 35453), (27, 35459), (35, 35480), (59, 35531), (Start: 130 @35690 has 11 MA's), (Start: 198 @35855 has 1 MA's), (207, 35873), (209, 35879), (251, 35990), (261, 36023), (266, 36047), (268, 36053), (285, 36107), (301, 36137), (303, 36143), (306, 36155), (307, 36158), (318, 36191), (327, 36227), (368, 36317), (421, 36413), (445, 36485), (464, 36524), (506, 36626), (521, 36668),

Gene: Milani_41 Start: 26576, Stop: 27577, Start Num: 106
Candidate Starts for Milani_41:

(Start: 106 @26576 has 22 MA's), (165, 26705), (Start: 198 @26786 has 1 MA's), (215, 26816), (263, 26927), (327, 27134), (330, 27146), (375, 27236), (378, 27242), (431, 27326), (436, 27341), (459, 27392), (498, 27503),

Gene: MillyPhilly_38 Start: 27075, Stop: 25900, Start Num: 84
Candidate Starts for MillyPhilly_38:
(28, 27195), (50, 27144), (Start: 81 @27084 has 16 MA's), (Start: 84 @27075 has 138 MA's), (153, 26952), (Start: 157 @26937 has 1 MA's), (248, 26700), (267, 26643), (274, 26628), (363, 26349), (374, 26319), (385, 26289), (399, 26286), (438, 26181), (445, 26163), (450, 26151), (467, 26118), (488, 26067), (496, 26034),

Gene: Mima20_65 Start: 44053, Stop: 45216, Start Num: 65
Candidate Starts for Mima20_65:
(Start: 65 @44053 has 42 MA's), (74, 44068), (Start: 130 @44197 has 11 MA's), (Start: 181 @44287 has 5 MA's), (182, 44290), (Start: 198 @44326 has 1 MA's), (210, 44359), (272, 44473), (282, 44500), (294, 44539), (296, 44554), (307, 44584), (316, 44614), (324, 44644), (340, 44692), (408, 44827), (445, 44929), (473, 44983), (477, 44992), (479, 45001), (489, 45025), (517, 45118), (542, 45208),

Gene: Mimi_103 Start: 82842, Stop: 83813, Start Num: 162
Candidate Starts for Mimi_103:
(Start: 162 @82842 has 13 MA's), (171, 82866), (Start: 181 @82887 has 5 MA's), (221, 82986), (225, 83001), (233, 83025), (245, 83058), (283, 83175), (286, 83190), (322, 83286), (325, 83295), (363, 83400), (369, 83415), (372, 83424), (419, 83499), (433, 83541), (453, 83592), (463, 83613), (505, 83721), (515, 83751),

Gene: MiniVolent_35 Start: 26558, Stop: 25371, Start Num: 84
Candidate Starts for MiniVolent_35:
(47, 26630), (Start: 81 @26567 has 16 MA's), (Start: 84 @26558 has 138 MA's), (153, 26435), (Start: 157 @26420 has 1 MA's), (264, 26129), (267, 26117), (274, 26102), (288, 26051), (363, 25823), (374, 25793), (399, 25760), (413, 25727), (428, 25685), (446, 25634), (467, 25592), (488, 25541), (502, 25484), (506, 25472),

Gene: Mireles_40 Start: 25556, Stop: 24624, Start Num: 177
Candidate Starts for Mireles_40:
(Start: 177 @25556 has 11 MA's), (218, 25460), (225, 25436), (283, 25256), (303, 25190), (322, 25151), (338, 25100), (359, 25049), (368, 25028), (375, 25004), (413, 24962), (453, 24857), (479, 24800), (482, 24791), (488, 24788), (501, 24737), (505, 24728), (522, 24674),

Gene: Misaeng_41 Start: 28126, Stop: 29073, Start Num: 137
Candidate Starts for Misaeng_41:
(Start: 137 @28126 has 77 MA's), (Start: 198 @28273 has 1 MA's), (207, 28291), (219, 28315), (230, 28351), (244, 28390), (263, 28441), (272, 28471), (278, 28486), (281, 28498), (326, 28648), (363, 28717), (364, 28720), (487, 28954), (498, 28999), (500, 29002), (509, 29029), (511, 29032),

Gene: MoiGyank_68 Start: 44818, Stop: 45981, Start Num: 65
Candidate Starts for MoiGyank_68:
(Start: 65 @44818 has 42 MA's), (74, 44833), (Start: 130 @44962 has 11 MA's), (Start: 181 @45052 has 5 MA's), (182, 45055), (Start: 198 @45091 has 1 MA's), (210, 45124), (272, 45238), (282, 45265), (294, 45304), (296, 45319), (307, 45349), (316, 45379), (324, 45409), (340, 45457), (408, 45592), (445, 45694), (473, 45748), (477, 45757), (479, 45766), (489, 45790), (517, 45883), (542, 45973),

Gene: Moki_39 Start: 26432, Stop: 27379, Start Num: 137
Candidate Starts for Moki_39:

(Start: 137 @26432 has 77 MA's), (192, 26564), (197, 26576), (Start: 198 @26579 has 1 MA's), (209, 26603), (245, 26699), (263, 26747), (281, 26804), (304, 26876), (306, 26885), (364, 27026), (368, 27035), (427, 27122), (477, 27230), (498, 27305), (500, 27308), (509, 27335), (511, 27338),

Gene: MonChoix_36 Start: 27095, Stop: 25917, Start Num: 84
Candidate Starts for MonChoix_36:
(Start: 36 @27194 has 1 MA's), (45, 27173), (47, 27167), (Start: 84 @27095 has 138 MA's), (153, 26969), (164, 26936), (194, 26867), (241, 26735), (248, 26717), (267, 26660), (274, 26645), (350, 26402), (363, 26366), (374, 26336), (385, 26306), (399, 26303), (445, 26180), (450, 26168), (467, 26135), (488, 26084), (496, 26051),

Gene: MontyDev_71 Start: 51361, Stop: 52530, Start Num: 67
Candidate Starts for MontyDev_71:
(Start: 67 @51361 has 11 MA's), (74, 51376), (91, 51418), (Start: 106 @51451 has 22 MA's), (205, 51652), (210, 51667), (274, 51799), (294, 51862), (296, 51877), (332, 51994), (422, 52195), (424, 52201), (426, 52207), (427, 52210), (475, 52318), (477, 52324), (518, 52456), (536, 52516),

Gene: Mopey_58 Start: 43111, Stop: 44289, Start Num: 63
Candidate Starts for Mopey_58:
(6, 42829), (8, 42859), (14, 42922), (Start: 63 @43111 has 48 MA's), (Start: 83 @43159 has 3 MA's), (102, 43198), (Start: 106 @43210 has 22 MA's), (161, 43309), (188, 43372), (210, 43426), (229, 43474), (272, 43540), (308, 43654), (316, 43681), (324, 43711), (338, 43756), (441, 43990), (473, 44056), (477, 44065), (479, 44074), (520, 44200), (542, 44281),

Gene: Morrigan_38 Start: 26342, Stop: 25179, Start Num: 92
Candidate Starts for Morrigan_38:
(Start: 92 @26342 has 38 MA's), (111, 26330), (153, 26231), (248, 25979), (257, 25964), (262, 25946), (264, 25934), (267, 25922), (274, 25907), (288, 25856), (363, 25628), (402, 25559), (423, 25505), (488, 25346), (506, 25277),

Gene: MortySmith_41 Start: 27877, Stop: 29034, Start Num: 66
Candidate Starts for MortySmith_41:
(1, 27484), (4, 27565), (Start: 66 @27877 has 52 MA's), (Start: 75 @27898 has 1 MA's), (185, 28108), (210, 28171), (246, 28267), (294, 28372), (338, 28522), (420, 28714), (422, 28720), (445, 28786), (501, 28927), (518, 28984),

Gene: MrBoss_43 Start: 27530, Stop: 28477, Start Num: 137
Candidate Starts for MrBoss_43:
(Start: 137 @27530 has 77 MA's), (197, 27674), (Start: 198 @27677 has 1 MA's), (Start: 203 @27692 has 1 MA's), (219, 27719), (240, 27782), (245, 27797), (263, 27845), (278, 27890), (281, 27902), (287, 27926), (326, 28052), (363, 28121), (364, 28124), (444, 28268), (477, 28328), (498, 28403), (500, 28406), (509, 28433), (511, 28436),

Gene: MrGloopy_42 Start: 27636, Stop: 28583, Start Num: 137
Candidate Starts for MrGloopy_42:
(Start: 137 @27636 has 77 MA's), (192, 27768), (197, 27780), (Start: 198 @27783 has 1 MA's), (209, 27807), (245, 27903), (263, 27951), (272, 27981), (281, 28008), (304, 28080), (364, 28230), (368, 28239), (427, 28326), (444, 28374), (477, 28434), (498, 28509), (500, 28512), (509, 28539), (511, 28542),

Gene: MrMiyagi_76 Start: 48172, Stop: 49212, Start Num: 63
Candidate Starts for MrMiyagi_76:

(43, 48133), (Start: 63 @48172 has 48 MA's), (Start: 67 @48181 has 11 MA's), (74, 48196), (82, 48217), (116, 48298), (176, 48406), (197, 48457), (214, 48496), (229, 48541), (232, 48550), (289, 48664), (296, 48688), (329, 48799), (429, 48892), (445, 48934), (477, 48997), (488, 49027), (517, 49126),

Gene: MrWorldwide_38 Start: 27085, Stop: 25910, Start Num: 84
Candidate Starts for MrWorldwide_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (Start: 157 @26947 has 1 MA's), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: Muddy_43 Start: 32421, Stop: 31405, Start Num: 137
Candidate Starts for Muddy_43:
(Start: 137 @32421 has 77 MA's), (172, 32328), (Start: 174 @32325 has 2 MA's), (212, 32238), (240, 32151), (260, 32094), (263, 32079), (281, 32025), (341, 31842), (431, 31671), (438, 31656), (446, 31635), (474, 31587), (501, 31509), (516, 31458), (523, 31437),

Gene: MunkgeeRoachy_39 Start: 29253, Stop: 28222, Start Num: 145
Candidate Starts for MunkgeeRoachy_39:
(Start: 145 @29253 has 28 MA's), (213, 29082), (240, 28995), (260, 28938), (281, 28869), (294, 28836), (316, 28758), (333, 28707), (431, 28512), (440, 28494), (446, 28476), (486, 28392), (492, 28374),

Gene: NadineRae_67 Start: 49484, Stop: 48285, Start Num: 66
Candidate Starts for NadineRae_67:
(Start: 66 @49484 has 52 MA's), (Start: 174 @49265 has 2 MA's), (183, 49241), (199, 49202), (200, 49199), (210, 49172), (219, 49154), (238, 49097), (316, 48899), (340, 48821), (350, 48794), (408, 48641), (425, 48596), (426, 48593), (430, 48581), (445, 48539), (477, 48476), (479, 48467), (512, 48365), (514, 48359), (521, 48335),

Gene: Nagem_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Nagem_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (164, 26922), (248, 26703), (267, 26646), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Nancia_39 Start: 26343, Stop: 27293, Start Num: 137
Candidate Starts for Nancia_39:
(Start: 137 @26343 has 77 MA's), (154, 26376), (167, 26412), (192, 26475), (197, 26487), (Start: 198 @26490 has 1 MA's), (209, 26514), (245, 26610), (263, 26658), (266, 26673), (281, 26715), (287, 26739), (304, 26787), (351, 26913), (363, 26937), (364, 26940), (368, 26949), (444, 27084), (477, 27144), (498, 27219), (500, 27222), (509, 27249), (511, 27252),

Gene: NarutoRun_43 Start: 28820, Stop: 29974, Start Num: 66
Candidate Starts for NarutoRun_43:
(1, 28421), (Start: 66 @28820 has 52 MA's), (Start: 75 @28841 has 1 MA's), (105, 28910), (185, 29051), (210, 29114), (246, 29210), (294, 29315), (338, 29465), (374, 29555), (388, 29591), (408, 29621), (445, 29726), (475, 29783), (501, 29867), (518, 29924),

Gene: NatB6_66 Start: 52381, Stop: 51182, Start Num: 63
Candidate Starts for NatB6_66:

(Start: 63 @52381 has 48 MA's), (199, 52093), (200, 52090), (208, 52069), (210, 52063), (316, 51790), (320, 51778), (324, 51760), (335, 51727), (340, 51712), (374, 51625), (408, 51538), (413, 51523), (425, 51493), (426, 51490), (445, 51436), (475, 51379), (476, 51376), (477, 51373), (479, 51364), (514, 51256), (521, 51232),

Gene: Nattles_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Nattles_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (248, 26392), (267, 26335), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Nebulous_35 Start: 27982, Stop: 26807, Start Num: 92
Candidate Starts for Nebulous_35:
(24, 28126), (53, 28054), (Start: 57 @28048 has 1 MA's), (Start: 92 @27982 has 38 MA's), (153, 27868), (224, 27682), (267, 27550), (274, 27535), (288, 27484), (318, 27394), (385, 27196), (423, 27133), (488, 26974), (496, 26941), (502, 26917), (518, 26866),

Gene: Neferthena_35 Start: 27068, Stop: 25893, Start Num: 92
Candidate Starts for Neferthena_35:
(Start: 92 @27068 has 38 MA's), (153, 26954), (224, 26768), (262, 26660), (264, 26648), (267, 26636), (274, 26621), (288, 26570), (318, 26480), (488, 26060), (496, 26027), (518, 25952),

Gene: Neptune_43 Start: 28820, Stop: 29974, Start Num: 66
Candidate Starts for Neptune_43:
(1, 28421), (Start: 66 @28820 has 52 MA's), (Start: 75 @28841 has 1 MA's), (185, 29051), (210, 29114), (246, 29210), (294, 29315), (338, 29465), (374, 29555), (388, 29591), (408, 29621), (445, 29726), (475, 29783), (501, 29867), (518, 29924),

Gene: Nettle_66 Start: 44486, Stop: 45634, Start Num: 74
Candidate Starts for Nettle_66:
(Start: 65 @44471 has 42 MA's), (74, 44486), (Start: 130 @44615 has 11 MA's), (Start: 181 @44705 has 5 MA's), (182, 44708), (Start: 198 @44744 has 1 MA's), (210, 44777), (272, 44891), (282, 44918), (294, 44957), (296, 44972), (307, 45002), (316, 45032), (324, 45062), (340, 45110), (408, 45245), (445, 45347), (473, 45401), (477, 45410), (479, 45419), (489, 45443), (517, 45536), (542, 45626),

Gene: Neuvillette_37 Start: 24528, Stop: 23596, Start Num: 177
Candidate Starts for Neuvillette_37:
(Start: 177 @24528 has 11 MA's), (238, 24369), (256, 24324), (303, 24162), (322, 24123), (359, 24021), (368, 24000), (376, 23973), (413, 23934), (435, 23874), (453, 23829), (479, 23772), (482, 23763), (488, 23760), (501, 23709), (505, 23700), (518, 23658), (522, 23646),

Gene: Nibbles_38 Start: 29396, Stop: 28365, Start Num: 137
Candidate Starts for Nibbles_38:
(Start: 137 @29396 has 77 MA's), (153, 29357), (Start: 174 @29300 has 2 MA's), (197, 29243), (213, 29213), (232, 29147), (240, 29126), (274, 29024), (283, 28994), (294, 28967), (307, 28919), (316, 28889), (400, 28724), (440, 28628), (446, 28610), (454, 28595),

Gene: NickSell_38 Start: 27087, Stop: 25909, Start Num: 84
Candidate Starts for NickSell_38:
(28, 27207), (50, 27156), (Start: 81 @27096 has 16 MA's), (Start: 84 @27087 has 138 MA's), (153, 26964), (Start: 157 @26949 has 1 MA's), (248, 26712), (267, 26655), (274, 26640), (363, 26361), (374, 26331), (385, 26301), (399, 26298), (438, 26193), (445, 26175), (450, 26163), (467, 26130), (488,

26079), (496, 26046),

Gene: Nilo_71 Start: 51718, Stop: 52887, Start Num: 67
Candidate Starts for Nilo_71:
(Start: 67 @51718 has 11 MA's), (74, 51733), (91, 51775), (Start: 106 @51808 has 22 MA's), (205, 52009), (210, 52024), (274, 52156), (294, 52219), (296, 52234), (324, 52324), (332, 52351), (422, 52552), (424, 52558), (426, 52564), (475, 52675), (477, 52681), (518, 52813), (536, 52873),

Gene: Nina_40 Start: 29915, Stop: 28884, Start Num: 145
Candidate Starts for Nina_40:
(Start: 141 @29921 has 1 MA's), (Start: 145 @29915 has 28 MA's), (240, 29657), (260, 29600), (281, 29531), (294, 29498), (316, 29420), (333, 29369), (431, 29174), (440, 29156), (446, 29138), (486, 29054), (492, 29036),

Gene: Nish23_69 Start: 50235, Stop: 51410, Start Num: 104
Candidate Starts for Nish23_69:
(29, 50082), (Start: 41 @50106 has 1 MA's), (Start: 46 @50121 has 9 MA's), (104, 50235), (Start: 106 @50244 has 22 MA's), (110, 50253), (129, 50295), (208, 50469), (210, 50475), (229, 50526), (276, 50640), (281, 50658), (282, 50661), (285, 50676), (294, 50697), (330, 50829), (334, 50835), (418, 51018), (426, 51036), (438, 51072), (445, 51090), (476, 51150), (489, 51186), (518, 51282),

Gene: NoShow_51 Start: 35399, Stop: 34308, Start Num: 115
Candidate Starts for NoShow_51:
(114, 35402), (Start: 115 @35399 has 1 MA's), (208, 35174), (213, 35150), (225, 35105), (232, 35084), (236, 35075), (240, 35063), (262, 34997), (263, 34991), (274, 34961), (281, 34937), (283, 34931), (294, 34904), (303, 34871), (323, 34802), (362, 34712), (370, 34691), (379, 34667), (411, 34634), (446, 34544), (513, 34376), (516, 34364), (523, 34343),

Gene: Nodigi_49 Start: 32513, Stop: 31491, Start Num: 143
Candidate Starts for Nodigi_49:
(123, 32543), (131, 32528), (Start: 143 @32513 has 21 MA's), (186, 32396), (197, 32369), (213, 32339), (221, 32315), (240, 32252), (260, 32195), (281, 32126), (283, 32120), (288, 32102), (299, 32069), (316, 32015), (323, 31991), (333, 31964), (362, 31898), (363, 31895), (380, 31850), (406, 31835), (415, 31814), (424, 31787), (431, 31769), (452, 31721), (513, 31556),

Gene: NorManre_69 Start: 44890, Stop: 46107, Start Num: 65
Candidate Starts for NorManre_69:
(Start: 65 @44890 has 42 MA's), (74, 44905), (Start: 130 @45034 has 11 MA's), (Start: 181 @45124 has 5 MA's), (182, 45127), (Start: 198 @45163 has 1 MA's), (210, 45196), (272, 45310), (282, 45337), (294, 45376), (296, 45391), (307, 45421), (316, 45451), (324, 45481), (340, 45529), (445, 45820), (473, 45874), (477, 45883), (479, 45892), (489, 45916), (517, 46009), (542, 46099),

Gene: NosilaM_69 Start: 53310, Stop: 52105, Start Num: 66
Candidate Starts for NosilaM_69:
(Start: 66 @53310 has 52 MA's), (Start: 174 @53091 has 2 MA's), (183, 53067), (199, 53028), (200, 53025), (210, 52998), (320, 52710), (340, 52644), (384, 52533), (397, 52485), (430, 52404), (445, 52362), (473, 52308), (477, 52299), (479, 52290), (514, 52182),

Gene: Nova_56 Start: 43563, Stop: 44741, Start Num: 63
Candidate Starts for Nova_56:
(6, 43281), (8, 43311), (30, 43497), (Start: 63 @43563 has 48 MA's), (Start: 83 @43611 has 3 MA's), (102, 43650), (Start: 106 @43662 has 22 MA's), (161, 43761), (188, 43824), (210, 43878), (229, 43926), (272, 43992), (308, 44106), (316, 44133), (324, 44163), (338, 44208), (441, 44442), (473,

44508), (477, 44517), (479, 44526), (520, 44652), (542, 44733),

Gene: NovaSharks_67 Start: 42658, Stop: 43875, Start Num: 65
Candidate Starts for NovaSharks_67:
(Start: 65 @42658 has 42 MA's), (74, 42673), (Start: 130 @42802 has 11 MA's), (Start: 181 @42892 has 5 MA's), (182, 42895), (Start: 198 @42931 has 1 MA's), (210, 42964), (272, 43078), (282, 43105), (294, 43144), (296, 43159), (307, 43189), (316, 43219), (324, 43249), (340, 43297), (408, 43486), (473, 43642), (477, 43651), (479, 43660), (489, 43684), (504, 43738), (517, 43777), (542, 43867),

Gene: NovumRegina_66 Start: 52690, Stop: 51491, Start Num: 63
Candidate Starts for NovumRegina_66:
(Start: 63 @52690 has 48 MA's), (199, 52402), (200, 52399), (208, 52378), (210, 52372), (316, 52099), (320, 52087), (324, 52069), (335, 52036), (340, 52021), (374, 51934), (408, 51847), (413, 51832), (425, 51802), (426, 51799), (445, 51745), (475, 51688), (476, 51685), (477, 51682), (479, 51673), (514, 51565), (521, 51541),

Gene: Nubia_42 Start: 28083, Stop: 29030, Start Num: 137
Candidate Starts for Nubia_42:
(Start: 137 @28083 has 77 MA's), (Start: 198 @28230 has 1 MA's), (219, 28272), (244, 28347), (272, 28428), (278, 28443), (281, 28455), (326, 28605), (363, 28674), (364, 28677), (487, 28911), (498, 28956), (500, 28959), (509, 28986), (511, 28989),

Gene: Nucci_35 Start: 26518, Stop: 25340, Start Num: 92
Candidate Starts for Nucci_35:
(Start: 92 @26518 has 38 MA's), (Start: 148 @26419 has 1 MA's), (153, 26404), (Start: 157 @26389 has 1 MA's), (262, 26110), (264, 26098), (267, 26086), (274, 26071), (288, 26020), (363, 25792), (374, 25762), (385, 25732), (399, 25729), (423, 25669), (428, 25654), (446, 25603), (488, 25510), (506, 25441),

Gene: OMalley_39 Start: 27504, Stop: 28451, Start Num: 143
Candidate Starts for OMalley_39:
(Start: 143 @27504 has 21 MA's), (165, 27570), (207, 27669), (219, 27693), (241, 27759), (261, 27807), (266, 27831), (278, 27861), (283, 27879), (285, 27891), (299, 27933), (351, 28071), (363, 28092), (364, 28095), (477, 28302), (498, 28377), (500, 28380), (509, 28407), (511, 28410),

Gene: Oaker_67 Start: 50680, Stop: 52002, Start Num: 46
Candidate Starts for Oaker_67:
(29, 50641), (Start: 41 @50665 has 1 MA's), (Start: 46 @50680 has 9 MA's), (104, 50794), (Start: 106 @50803 has 22 MA's), (110, 50812), (129, 50854), (208, 51028), (210, 51034), (229, 51085), (276, 51232), (281, 51250), (282, 51253), (285, 51268), (294, 51289), (330, 51421), (334, 51427), (418, 51610), (426, 51628), (445, 51682), (476, 51742), (489, 51778), (518, 51874),

Gene: Oats_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for Oats_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (Start: 157 @26642 has 1 MA's), (248, 26405), (267, 26348), (274, 26333), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: OhDear_43 Start: 28818, Stop: 29972, Start Num: 66
Candidate Starts for OhDear_43:
(1, 28419), (Start: 66 @28818 has 52 MA's), (Start: 75 @28839 has 1 MA's), (185, 29049), (210, 29112), (246, 29208), (294, 29313), (338, 29463), (374, 29553), (388, 29589), (408, 29619), (445,

29724), (475, 29781), (501, 29865), (518, 29922),

Gene: OldNelly_38 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for OldNelly_38:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (Start: 157 @26946 has 1 MA's), (248, 26709), (267, 26652), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: Olympi_44 Start: 27608, Stop: 28621, Start Num: 106
Candidate Starts for Olympi_44:
(Start: 106 @27608 has 22 MA's), (165, 27737), (Start: 198 @27818 has 1 MA's), (227, 27887), (263, 27971), (289, 28055), (306, 28106), (326, 28175), (327, 28178), (375, 28280), (378, 28286), (431, 28370), (436, 28385), (459, 28436), (480, 28484), (498, 28547),

Gene: Onyinye_74 Start: 50783, Stop: 52000, Start Num: 63
Candidate Starts for Onyinye_74:
(Start: 63 @50783 has 48 MA's), (Start: 75 @50810 has 1 MA's), (95, 50864), (110, 50909), (139, 50975), (155, 50987), (182, 51047), (195, 51077), (196, 51080), (206, 51107), (218, 51134), (274, 51263), (305, 51383), (307, 51389), (334, 51479), (349, 51521), (356, 51539), (364, 51557), (410, 51620), (441, 51704), (477, 51779), (478, 51785), (479, 51788), (501, 51857), (504, 51866), (519, 51911), (535, 51968),

Gene: Orla_49 Start: 32486, Stop: 31464, Start Num: 143
Candidate Starts for Orla_49:
(88, 32618), (117, 32534), (123, 32522), (Start: 143 @32486 has 21 MA's), (197, 32342), (213, 32312), (221, 32288), (240, 32225), (260, 32168), (281, 32099), (299, 32042), (316, 31988), (333, 31937), (363, 31868), (380, 31823), (406, 31808), (415, 31787), (424, 31760), (426, 31757), (431, 31742), (452, 31694), (513, 31529),

Gene: Orpington_37 Start: 26812, Stop: 25649, Start Num: 92
Candidate Starts for Orpington_37:
(Start: 69 @26848 has 8 MA's), (Start: 73 @26839 has 3 MA's), (Start: 92 @26812 has 38 MA's), (153, 26701), (154, 26698), (170, 26653), (241, 26467), (257, 26434), (262, 26416), (267, 26392), (274, 26377), (288, 26326), (318, 26236), (363, 26098), (374, 26068), (385, 26038), (410, 26011), (446, 25909), (488, 25816), (496, 25783), (502, 25759), (506, 25747),

Gene: OtterstedtS21_65 Start: 43824, Stop: 45041, Start Num: 65
Candidate Starts for OtterstedtS21_65:
(Start: 65 @43824 has 42 MA's), (74, 43839), (Start: 130 @43968 has 11 MA's), (Start: 181 @44058 has 5 MA's), (182, 44061), (Start: 198 @44097 has 1 MA's), (210, 44130), (272, 44244), (282, 44271), (294, 44310), (296, 44325), (307, 44355), (316, 44385), (324, 44415), (340, 44463), (445, 44754), (473, 44808), (477, 44817), (479, 44826), (489, 44850), (517, 44943), (542, 45033),

Gene: OurGirlNessie_38 Start: 26071, Stop: 27021, Start Num: 137
Candidate Starts for OurGirlNessie_38:
(Start: 137 @26071 has 77 MA's), (192, 26203), (197, 26215), (Start: 198 @26218 has 1 MA's), (209, 26242), (245, 26338), (263, 26386), (266, 26401), (281, 26443), (287, 26467), (304, 26515), (351, 26641), (363, 26665), (364, 26668), (368, 26677), (444, 26812), (477, 26872), (498, 26947), (509, 26977), (511, 26980),

Gene: Outis_67 Start: 53139, Stop: 51931, Start Num: 66
Candidate Starts for Outis_67:

(Start: 66 @53139 has 52 MA's), (74, 53121), (Start: 174 @52917 has 2 MA's), (183, 52893), (199, 52854), (200, 52851), (210, 52824), (238, 52749), (282, 52662), (320, 52536), (340, 52470), (384, 52359), (397, 52311), (426, 52242), (445, 52188), (473, 52134), (477, 52125), (479, 52116), (514, 52008), (517, 51996),

Gene: OverHedge_43 Start: 28810, Stop: 29964, Start Num: 66
Candidate Starts for OverHedge_43:
(1, 28411), (Start: 66 @28810 has 52 MA's), (Start: 75 @28831 has 1 MA's), (185, 29041), (210, 29104), (246, 29200), (294, 29305), (338, 29455), (374, 29545), (388, 29581), (408, 29611), (445, 29716), (475, 29773), (501, 29857), (518, 29914),

Gene: Oxtober96_38 Start: 27083, Stop: 25908, Start Num: 84
Candidate Starts for Oxtober96_38:
(28, 27203), (50, 27152), (Start: 81 @27092 has 16 MA's), (Start: 84 @27083 has 138 MA's), (153, 26960), (194, 26858), (248, 26708), (267, 26651), (363, 26357), (374, 26327), (385, 26297), (399, 26294), (438, 26189), (445, 26171), (450, 26159), (467, 26126), (488, 26075), (496, 26042),

Gene: Oxynfrius_42 Start: 28104, Stop: 29051, Start Num: 137
Candidate Starts for Oxynfrius_42:
(Start: 137 @28104 has 77 MA's), (Start: 198 @28251 has 1 MA's), (219, 28293), (244, 28368), (272, 28449), (278, 28464), (281, 28476), (326, 28626), (363, 28695), (364, 28698), (487, 28932), (498, 28977), (500, 28980), (509, 29007), (511, 29010),

Gene: P1201_73 Start: 54596, Stop: 53460, Start Num: 63
Candidate Starts for P1201_73:
(Start: 63 @54596 has 48 MA's), (191, 54338), (210, 54287), (214, 54284), (260, 54173), (340, 53918), (426, 53753), (477, 53636), (515, 53519),

Gene: PBI1_54 Start: 43038, Stop: 44216, Start Num: 63
Candidate Starts for PBI1_54:
(6, 42756), (8, 42786), (14, 42849), (Start: 63 @43038 has 48 MA's), (Start: 83 @43086 has 3 MA's), (102, 43125), (Start: 106 @43137 has 22 MA's), (161, 43236), (188, 43299), (210, 43353), (229, 43401), (272, 43467), (308, 43581), (316, 43608), (324, 43638), (338, 43683), (441, 43917), (473, 43983), (477, 43992), (479, 44001), (520, 44127), (542, 44208),

Gene: PHTowN_66 Start: 47159, Stop: 46161, Start Num: 61
Candidate Starts for PHTowN_66:
(37, 47210), (Start: 61 @47159 has 7 MA's), (74, 47147), (210, 46868), (214, 46865), (273, 46736), (282, 46709), (294, 46673), (316, 46598), (320, 46586), (338, 46523), (460, 46382), (477, 46349), (479, 46340), (501, 46268), (502, 46262), (526, 46178),

Gene: PLot_57 Start: 43090, Stop: 44268, Start Num: 63
Candidate Starts for PLot_57:
(6, 42808), (14, 42901), (Start: 63 @43090 has 48 MA's), (Start: 83 @43138 has 3 MA's), (102, 43177), (Start: 106 @43189 has 22 MA's), (161, 43288), (188, 43351), (210, 43405), (229, 43453), (272, 43519), (308, 43633), (316, 43660), (324, 43690), (338, 43735), (441, 43969), (473, 44035), (477, 44044), (479, 44053), (520, 44179), (542, 44260),

Gene: PSirce_37 Start: 26809, Stop: 25646, Start Num: 92
Candidate Starts for PSirce_37:
(Start: 69 @26845 has 8 MA's), (Start: 73 @26836 has 3 MA's), (Start: 92 @26809 has 38 MA's), (153, 26698), (154, 26695), (170, 26650), (241, 26464), (257, 26431), (262, 26413), (267, 26389), (274, 26374), (288, 26323), (318, 26233), (363, 26095), (374, 26065), (385, 26035), (410, 26008), (446,

25906), (488, 25813), (496, 25780), (502, 25756), (506, 25744),

Gene: Pajaza_34 Start: 25918, Stop: 24758, Start Num: 84
Candidate Starts for Pajaza_34:
(50, 25987), (Start: 71 @25954 has 1 MA's), (Start: 84 @25918 has 138 MA's), (133, 25843), (153, 25798), (Start: 198 @25684 has 1 MA's), (229, 25597), (267, 25489), (288, 25423), (385, 25150), (445, 25024), (477, 24961), (488, 24928), (496, 24895), (506, 24859),

Gene: Panchaali_94 Start: 80207, Stop: 81178, Start Num: 162
Candidate Starts for Panchaali_94:
(Start: 162 @80207 has 13 MA's), (171, 80231), (Start: 181 @80252 has 5 MA's), (211, 80327), (225, 80366), (283, 80540), (286, 80555), (309, 80630), (324, 80657), (325, 80660), (328, 80675), (330, 80681), (354, 80744), (363, 80765), (369, 80780), (373, 80792), (433, 80906), (453, 80957), (463, 80978), (501, 81077), (505, 81086), (515, 81116),

Gene: Papafritta_37 Start: 26788, Stop: 25613, Start Num: 84
Candidate Starts for Papafritta_37:
(28, 26908), (50, 26857), (Start: 81 @26797 has 16 MA's), (Start: 84 @26788 has 138 MA's), (153, 26665), (Start: 157 @26650 has 1 MA's), (194, 26563), (248, 26413), (267, 26356), (274, 26341), (363, 26062), (374, 26032), (385, 26002), (399, 25999), (438, 25894), (445, 25876), (450, 25864), (467, 25831), (488, 25780), (496, 25747),

Gene: Papyrus_69 Start: 51328, Stop: 52497, Start Num: 67
Candidate Starts for Papyrus_69:
(Start: 67 @51328 has 11 MA's), (74, 51343), (91, 51385), (Start: 106 @51418 has 22 MA's), (205, 51619), (210, 51634), (274, 51766), (294, 51829), (296, 51844), (324, 51934), (332, 51961), (422, 52162), (424, 52168), (426, 52174), (475, 52285), (477, 52291), (518, 52423), (536, 52483),

Gene: ParleG_38 Start: 27085, Stop: 25910, Start Num: 84
Candidate Starts for ParleG_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (Start: 157 @26947 has 1 MA's), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: PartyCup_42 Start: 27759, Stop: 28706, Start Num: 137
Candidate Starts for PartyCup_42:
(Start: 137 @27759 has 77 MA's), (197, 27903), (Start: 198 @27906 has 1 MA's), (Start: 203 @27921 has 1 MA's), (219, 27948), (240, 28011), (245, 28026), (263, 28074), (278, 28119), (281, 28131), (287, 28155), (326, 28281), (363, 28350), (364, 28353), (444, 28497), (477, 28557), (498, 28632), (500, 28635), (509, 28662), (511, 28665),

Gene: Parvaparticeps_12 Start: 7767, Stop: 8726, Start Num: 132
Candidate Starts for Parvaparticeps_12:
(5, 7284), (7, 7317), (33, 7527), (132, 7767), (Start: 148 @7794 has 1 MA's), (Start: 150 @7797 has 3 MA's), (154, 7812), (163, 7836), (197, 7923), (223, 7983), (263, 8097), (287, 8178), (295, 8202), (302, 8220), (306, 8235), (307, 8238), (327, 8307), (351, 8352), (364, 8379), (431, 8475), (447, 8520), (480, 8589), (498, 8652), (506, 8673),

Gene: ParvusTarda_64 Start: 43199, Stop: 44413, Start Num: 65
Candidate Starts for ParvusTarda_64:
(Start: 65 @43199 has 42 MA's), (74, 43214), (Start: 130 @43343 has 11 MA's), (179, 43427), (200, 43478), (210, 43505), (272, 43619), (282, 43646), (296, 43697), (303, 43712), (307, 43727), (316,

43757), (340, 43835), (408, 44024), (447, 44132), (473, 44180), (477, 44189), (479, 44198), (489, 44222), (517, 44315), (542, 44405),

Gene: Patbob_102 Start: 83577, Stop: 84548, Start Num: 162
Candidate Starts for Patbob_102:
(Start: 162 @83577 has 13 MA's), (171, 83601), (Start: 181 @83622 has 5 MA's), (221, 83721), (225, 83736), (233, 83760), (245, 83793), (283, 83910), (286, 83925), (322, 84021), (325, 84030), (363, 84135), (369, 84150), (372, 84159), (419, 84234), (433, 84276), (453, 84327), (463, 84348), (501, 84447), (505, 84456), (515, 84486),

Gene: Patience_81 Start: 53552, Stop: 54784, Start Num: 55
Candidate Starts for Patience_81:
(Start: 55 @53552 has 4 MA's), (86, 53606), (105, 53645), (Start: 106 @53648 has 22 MA's), (110, 53657), (123, 53690), (Start: 135 @53714 has 1 MA's), (206, 53879), (210, 53891), (241, 53972), (277, 54056), (283, 54077), (294, 54119), (334, 54257), (352, 54308), (373, 54359), (405, 54395), (426, 54443), (445, 54497), (477, 54560), (525, 54728), (539, 54770),

Gene: Patio_68 Start: 53007, Stop: 51817, Start Num: 58
Candidate Starts for Patio_68:
(Start: 54 @53016 has 2 MA's), (Start: 58 @53007 has 6 MA's), (161, 52809), (Start: 198 @52716 has 1 MA's), (199, 52713), (200, 52710), (210, 52683), (219, 52665), (238, 52608), (320, 52413), (321, 52410), (324, 52395), (340, 52347), (387, 52233), (391, 52221), (408, 52173), (426, 52125), (445, 52071), (477, 52008), (479, 51999), (517, 51879),

Gene: Patos_69 Start: 44889, Stop: 46106, Start Num: 65
Candidate Starts for Patos_69:
(Start: 65 @44889 has 42 MA's), (74, 44904), (Start: 130 @45033 has 11 MA's), (Start: 181 @45123 has 5 MA's), (182, 45126), (Start: 198 @45162 has 1 MA's), (210, 45195), (272, 45309), (282, 45336), (294, 45375), (296, 45390), (307, 45420), (316, 45450), (324, 45480), (340, 45528), (445, 45819), (473, 45873), (477, 45882), (479, 45891), (489, 45915), (517, 46008), (542, 46098),

Gene: PauloDiaboli_113 Start: 76695, Stop: 75760, Start Num: 169
Candidate Starts for PauloDiaboli_113:
(Start: 169 @76695 has 6 MA's), (Start: 173 @76686 has 1 MA's), (218, 76578), (251, 76488), (271, 76437), (280, 76410), (283, 76398), (308, 76314), (315, 76308), (328, 76269), (372, 76152), (410, 76101), (462, 75969), (463, 75966), (466, 75960), (482, 75921), (506, 75855), (515, 75828),

Gene: Peep_38 Start: 27070, Stop: 25895, Start Num: 84
Candidate Starts for Peep_38:
(28, 27190), (50, 27139), (Start: 81 @27079 has 16 MA's), (Start: 84 @27070 has 138 MA's), (153, 26947), (Start: 157 @26932 has 1 MA's), (248, 26695), (267, 26638), (274, 26623), (363, 26344), (374, 26314), (385, 26284), (399, 26281), (438, 26176), (445, 26158), (450, 26146), (467, 26113), (488, 26062), (496, 26029),

Gene: Pemberton_68 Start: 50049, Stop: 48850, Start Num: 66
Candidate Starts for Pemberton_68:
(Start: 66 @50049 has 52 MA's), (Start: 174 @49830 has 2 MA's), (183, 49806), (199, 49767), (200, 49764), (210, 49737), (219, 49719), (238, 49662), (316, 49464), (320, 49452), (340, 49386), (350, 49359), (374, 49299), (408, 49206), (413, 49191), (425, 49161), (426, 49158), (430, 49146), (445, 49104), (477, 49041), (479, 49032), (512, 48930), (514, 48924), (521, 48900),

Gene: Penelope2018_57 Start: 43108, Stop: 44286, Start Num: 63
Candidate Starts for Penelope2018_57:

(6, 42826), (14, 42919), (Start: 63 @43108 has 48 MA's), (Start: 83 @43156 has 3 MA's), (102, 43195), (Start: 106 @43207 has 22 MA's), (161, 43306), (188, 43369), (210, 43423), (229, 43471), (272, 43537), (308, 43651), (316, 43678), (324, 43708), (338, 43753), (441, 43987), (473, 44053), (477, 44062), (479, 44071), (520, 44197), (542, 44278),

Gene: Penta_34 Start: 25122, Stop: 23941, Start Num: 85
Candidate Starts for Penta_34:
(47, 25194), (Start: 85 @25122 has 5 MA's), (153, 24993), (154, 24990), (170, 24945), (257, 24726), (262, 24708), (267, 24684), (274, 24669), (288, 24618), (318, 24528), (363, 24390), (374, 24360), (402, 24321), (446, 24201), (467, 24159), (488, 24108), (496, 24075), (502, 24051), (506, 24039),

Gene: Peppino_37 Start: 27195, Stop: 26017, Start Num: 84
Candidate Starts for Peppino_37:
(47, 27267), (Start: 81 @27204 has 16 MA's), (Start: 84 @27195 has 138 MA's), (153, 27069), (154, 27066), (241, 26835), (267, 26760), (274, 26745), (363, 26466), (374, 26436), (385, 26406), (399, 26403), (445, 26280), (488, 26184), (496, 26151),

Gene: PermaG_43 Start: 27639, Stop: 28652, Start Num: 106
Candidate Starts for PermaG_43:
(Start: 106 @27639 has 22 MA's), (165, 27768), (Start: 198 @27849 has 1 MA's), (263, 28002), (281, 28059), (306, 28137), (326, 28206), (327, 28209), (366, 28284), (375, 28311), (431, 28401), (436, 28416), (459, 28467), (498, 28578),

Gene: PeteyPab_68 Start: 50318, Stop: 49200, Start Num: 69
Candidate Starts for PeteyPab_68:
(Start: 69 @50318 has 8 MA's), (129, 50183), (163, 50132), (191, 50069), (210, 50018), (226, 49976), (238, 49943), (247, 49922), (277, 49880), (280, 49871), (282, 49862), (294, 49826), (307, 49772), (370, 49589), (466, 49400), (477, 49379), (488, 49349), (508, 49277), (515, 49262), (517, 49253),

Gene: Phalaborwa_58 Start: 43258, Stop: 44436, Start Num: 63
Candidate Starts for Phalaborwa_58:
(Start: 63 @43258 has 48 MA's), (102, 43345), (Start: 106 @43357 has 22 MA's), (161, 43456), (188, 43519), (206, 43561), (210, 43573), (229, 43621), (272, 43687), (316, 43828), (320, 43840), (324, 43858), (338, 43903), (404, 44041), (422, 44083), (440, 44134), (441, 44137), (473, 44203), (477, 44212), (479, 44221), (520, 44347), (542, 44428),

Gene: Phanita_37 Start: 26816, Stop: 25626, Start Num: 73
Candidate Starts for Phanita_37:
(Start: 69 @26825 has 8 MA's), (Start: 73 @26816 has 3 MA's), (Start: 92 @26789 has 38 MA's), (153, 26678), (170, 26630), (241, 26444), (257, 26411), (262, 26393), (267, 26369), (274, 26354), (288, 26303), (318, 26213), (363, 26075), (374, 26045), (385, 26015), (399, 26012), (410, 25988), (446, 25886), (488, 25793), (496, 25760), (502, 25736), (506, 25724),

Gene: Pharpay_43 Start: 28865, Stop: 30019, Start Num: 66
Candidate Starts for Pharpay_43:
(1, 28466), (Start: 66 @28865 has 52 MA's), (Start: 75 @28886 has 1 MA's), (105, 28955), (185, 29096), (210, 29159), (246, 29255), (294, 29360), (338, 29510), (374, 29600), (388, 29636), (408, 29666), (445, 29771), (475, 29828), (501, 29912), (518, 29969),

Gene: Phendrix_170 Start: 90108, Stop: 89107, Start Num: 162
Candidate Starts for Phendrix_170:
(Start: 162 @90108 has 13 MA's), (166, 90096), (184, 90054), (193, 90033), (240, 89904), (283, 89781), (284, 89778), (286, 89766), (345, 89607), (355, 89574), (358, 89565), (372, 89532), (374,

89526), (404, 89487), (412, 89469), (413, 89466), (435, 89406), (451, 89364), (463, 89340), (468, 89331), (481, 89298), (505, 89235), (506, 89232), (515, 89205), (520, 89187),

Gene: Pherbot_36 Start: 26652, Stop: 25489, Start Num: 81
Candidate Starts for Pherbot_36:
(50, 26712), (Start: 81 @26652 has 16 MA's), (139, 26562), (153, 26526), (154, 26523), (241, 26292), (267, 26217), (274, 26202), (282, 26175), (343, 25995), (357, 25950), (423, 25815), (428, 25800), (496, 25623), (506, 25587), (518, 25548),

Gene: Pherferi_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Pherferi_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Phiderman_38 Start: 27075, Stop: 25900, Start Num: 84
Candidate Starts for Phiderman_38:
(28, 27195), (50, 27144), (Start: 81 @27084 has 16 MA's), (Start: 84 @27075 has 138 MA's), (153, 26952), (Start: 157 @26937 has 1 MA's), (248, 26700), (267, 26643), (274, 26628), (363, 26349), (374, 26319), (385, 26289), (399, 26286), (438, 26181), (445, 26163), (450, 26151), (467, 26118), (488, 26067), (496, 26034),

Gene: PhillyPhantom_37 Start: 27185, Stop: 26007, Start Num: 84
Candidate Starts for PhillyPhantom_37:
(47, 27257), (Start: 84 @27185 has 138 MA's), (153, 27059), (154, 27056), (229, 26858), (241, 26825), (267, 26750), (274, 26735), (363, 26456), (385, 26396), (399, 26393), (402, 26387), (445, 26270), (488, 26174), (496, 26141),

Gene: Phireproof_38 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for Phireproof_38:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (194, 26859), (248, 26709), (267, 26652), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: Phomeo_66 Start: 53314, Stop: 52115, Start Num: 63
Candidate Starts for Phomeo_66:
(Start: 63 @53314 has 48 MA's), (199, 53026), (200, 53023), (208, 53002), (210, 52996), (316, 52723), (320, 52711), (324, 52693), (335, 52660), (340, 52645), (374, 52558), (408, 52471), (413, 52456), (425, 52426), (426, 52423), (445, 52369), (475, 52312), (476, 52309), (477, 52306), (479, 52297), (514, 52189), (521, 52165),

Gene: Phrampa_96 Start: 84980, Stop: 85951, Start Num: 162
Candidate Starts for Phrampa_96:
(Start: 162 @84980 has 13 MA's), (171, 85004), (Start: 181 @85025 has 5 MA's), (221, 85124), (225, 85139), (233, 85163), (245, 85196), (283, 85313), (286, 85328), (309, 85403), (325, 85433), (330, 85454), (363, 85538), (369, 85553), (372, 85562), (373, 85565), (419, 85637), (433, 85679), (453, 85730), (463, 85751), (505, 85859), (515, 85889),

Gene: PhredFlintston_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for PhredFlintston_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374,

26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Phreeze_66 Start: 49680, Stop: 50969, Start Num: 46
Candidate Starts for Phreeze_66:
(29, 49641), (Start: 41 @49665 has 1 MA's), (Start: 46 @49680 has 9 MA's), (104, 49794), (Start: 106 @49803 has 22 MA's), (110, 49812), (129, 49854), (208, 50028), (210, 50034), (229, 50085), (276, 50199), (281, 50217), (282, 50220), (285, 50235), (294, 50256), (330, 50388), (334, 50394), (393, 50532), (418, 50577), (426, 50595), (445, 50649), (476, 50709), (489, 50745), (518, 50841),

Gene: Phriends_38 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for Phriends_38:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (Start: 157 @26946 has 1 MA's), (248, 26709), (267, 26652), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: PhunaPhoke_43 Start: 28838, Stop: 29992, Start Num: 66
Candidate Starts for PhunaPhoke_43:
(1, 28439), (Start: 66 @28838 has 52 MA's), (Start: 75 @28859 has 1 MA's), (185, 29069), (210, 29132), (246, 29228), (294, 29333), (338, 29483), (374, 29573), (388, 29609), (408, 29639), (445, 29744), (475, 29801), (501, 29885), (518, 29942),

Gene: PigHeaded_48 Start: 38076, Stop: 37183, Start Num: 203
Candidate Starts for PigHeaded_48:
(Start: 203 @38076 has 1 MA's), (255, 37941), (261, 37917), (305, 37767), (311, 37746), (346, 37644), (348, 37638), (349, 37632), (365, 37590), (367, 37587), (409, 37509), (413, 37497), (427, 37461), (432, 37446), (489, 37314), (513, 37230),

Gene: Pikmin_34 Start: 25918, Stop: 24758, Start Num: 84
Candidate Starts for Pikmin_34:
(50, 25987), (Start: 71 @25954 has 1 MA's), (Start: 84 @25918 has 138 MA's), (133, 25843), (153, 25798), (Start: 198 @25684 has 1 MA's), (229, 25597), (267, 25489), (288, 25423), (385, 25150), (445, 25024), (477, 24961), (488, 24928), (496, 24895), (506, 24859),

Gene: PinkFriday_39 Start: 26620, Stop: 27570, Start Num: 143
Candidate Starts for PinkFriday_39:
(Start: 143 @26620 has 21 MA's), (163, 26677), (Start: 198 @26767 has 1 MA's), (207, 26785), (241, 26875), (261, 26926), (272, 26965), (278, 26980), (283, 26998), (285, 27010), (302, 27058), (337, 27175), (363, 27214), (368, 27226), (427, 27313), (444, 27361), (477, 27421), (498, 27496), (509, 27526), (511, 27529),

Gene: PitaDog_39 Start: 26328, Stop: 27278, Start Num: 137
Candidate Starts for PitaDog_39:
(Start: 137 @26328 has 77 MA's), (192, 26460), (197, 26472), (Start: 198 @26475 has 1 MA's), (209, 26499), (245, 26595), (263, 26643), (266, 26658), (281, 26700), (287, 26724), (302, 26766), (304, 26772), (351, 26898), (363, 26922), (364, 26925), (368, 26934), (444, 27069), (477, 27129), (498, 27204), (509, 27234), (511, 27237),

Gene: Pleakley_75 Start: 52499, Stop: 51309, Start Num: 58
Candidate Starts for Pleakley_75:
(2, 52829), (11, 52727), (Start: 58 @52499 has 6 MA's), (74, 52472), (113, 52379), (180, 52256), (183, 52244), (200, 52202), (210, 52175), (214, 52172), (340, 51842), (374, 51755), (408, 51662), (426,

51614), (477, 51497), (488, 51467), (502, 51410), (514, 51380), (521, 51356),

Gene: Pocket_37 Start: 26771, Stop: 25596, Start Num: 84
Candidate Starts for Pocket_37:
(28, 26891), (50, 26840), (Start: 81 @26780 has 16 MA's), (Start: 84 @26771 has 138 MA's), (153, 26648), (164, 26615), (248, 26396), (267, 26339), (363, 26045), (374, 26015), (385, 25985), (399, 25982), (438, 25877), (445, 25859), (450, 25847), (467, 25814), (488, 25763), (496, 25730),

Gene: Polyyuki_67 Start: 50081, Stop: 48915, Start Num: 63
Candidate Starts for Polyyuki_67:
(16, 50219), (38, 50111), (Start: 63 @50081 has 48 MA's), (163, 49883), (210, 49760), (238, 49685), (282, 49622), (289, 49595), (319, 49502), (322, 49487), (328, 49463), (338, 49436), (340, 49433), (426, 49223), (443, 49175), (477, 49106), (478, 49100), (518, 48974),

Gene: Pons_44 Start: 31610, Stop: 30552, Start Num: 136
Candidate Starts for Pons_44:
(125, 31634), (Start: 136 @31610 has 10 MA's), (186, 31484), (208, 31433), (213, 31409), (216, 31400), (224, 31367), (240, 31322), (274, 31220), (299, 31139), (323, 31061), (331, 31037), (341, 31013), (348, 31001), (379, 30920), (413, 30884), (426, 30851), (428, 30845), (431, 30836), (438, 30821), (446, 30800), (454, 30785), (502, 30656), (506, 30644), (508, 30638), (513, 30623),

Gene: PotPie_43 Start: 32541, Stop: 31483, Start Num: 136
Candidate Starts for PotPie_43:
(Start: 136 @32541 has 10 MA's), (186, 32415), (197, 32388), (208, 32364), (213, 32340), (216, 32331), (224, 32298), (240, 32253), (274, 32151), (299, 32070), (323, 31992), (341, 31944), (348, 31932), (379, 31851), (426, 31782), (428, 31776), (431, 31767), (438, 31752), (446, 31731), (454, 31716), (492, 31629), (502, 31587), (506, 31575), (508, 31569), (513, 31554),

Gene: PotatoChip_69 Start: 50320, Stop: 49202, Start Num: 69
Candidate Starts for PotatoChip_69:
(Start: 69 @50320 has 8 MA's), (129, 50185), (163, 50134), (191, 50071), (210, 50020), (226, 49978), (238, 49945), (247, 49924), (277, 49882), (280, 49873), (282, 49864), (294, 49828), (307, 49774), (370, 49591), (466, 49402), (477, 49381), (488, 49351), (508, 49279), (515, 49264), (517, 49255),

Gene: Potatoes_41 Start: 27534, Stop: 28481, Start Num: 137
Candidate Starts for Potatoes_41:
(Start: 137 @27534 has 77 MA's), (167, 27603), (192, 27666), (197, 27678), (Start: 198 @27681 has 1 MA's), (209, 27705), (245, 27801), (263, 27849), (272, 27879), (281, 27906), (304, 27978), (364, 28128), (368, 28137), (427, 28224), (444, 28272), (477, 28332), (498, 28407), (500, 28410), (509, 28437), (511, 28440),

Gene: Potty_43 Start: 28843, Stop: 29997, Start Num: 66
Candidate Starts for Potty_43:
(1, 28444), (Start: 66 @28843 has 52 MA's), (Start: 75 @28864 has 1 MA's), (185, 29074), (210, 29137), (246, 29233), (294, 29338), (338, 29488), (374, 29578), (388, 29614), (408, 29644), (445, 29749), (475, 29806), (501, 29890), (518, 29947),

Gene: Poultress_42 Start: 29185, Stop: 30312, Start Num: 66
Candidate Starts for Poultress_42:
(Start: 66 @29185 has 52 MA's), (Start: 75 @29206 has 1 MA's), (185, 29416), (210, 29479), (246, 29575), (294, 29680), (338, 29830), (422, 29998), (445, 30064), (475, 30121), (501, 30205), (518, 30262),

Gene: Prager_57 Start: 43127, Stop: 44305, Start Num: 63
Candidate Starts for Prager_57:
(6, 42845), (8, 42875), (14, 42938), (Start: 63 @43127 has 48 MA's), (Start: 83 @43175 has 3 MA's), (102, 43214), (Start: 106 @43226 has 22 MA's), (161, 43325), (188, 43388), (210, 43442), (229, 43490), (272, 43556), (308, 43670), (316, 43697), (324, 43727), (338, 43772), (441, 44006), (473, 44072), (477, 44081), (479, 44090), (520, 44216), (542, 44297),

Gene: Preamble_39 Start: 26398, Stop: 27345, Start Num: 137
Candidate Starts for Preamble_39:
(Start: 137 @26398 has 77 MA's), (192, 26530), (197, 26542), (Start: 198 @26545 has 1 MA's), (209, 26569), (245, 26665), (263, 26713), (266, 26728), (281, 26770), (285, 26788), (299, 26830), (304, 26842), (444, 27136), (477, 27196), (498, 27271), (500, 27274), (509, 27301), (511, 27304),

Gene: Predator_68 Start: 49458, Stop: 50774, Start Num: 41
Candidate Starts for Predator_68:
(20, 49386), (27, 49425), (29, 49434), (Start: 41 @49458 has 1 MA's), (Start: 46 @49473 has 9 MA's), (104, 49578), (105, 49584), (110, 49596), (155, 49686), (210, 49818), (218, 49833), (229, 49869), (258, 49932), (266, 49971), (269, 49980), (281, 50022), (289, 50052), (294, 50061), (306, 50106), (325, 50172), (334, 50199), (338, 50214), (362, 50274), (393, 50337), (418, 50382), (438, 50436), (445, 50454), (476, 50514), (489, 50550), (512, 50625), (518, 50646), (520, 50652), (529, 50691), (540, 50727), (543, 50739),

Gene: PrincePhergus_36 Start: 26667, Stop: 25504, Start Num: 81
Candidate Starts for PrincePhergus_36:
(50, 26727), (Start: 81 @26667 has 16 MA's), (139, 26577), (153, 26541), (154, 26538), (241, 26307), (264, 26244), (267, 26232), (274, 26217), (282, 26190), (343, 26010), (423, 25830), (428, 25815), (496, 25638), (506, 25602), (518, 25563),

Gene: PsychoKiller_40 Start: 29791, Stop: 28760, Start Num: 145
Candidate Starts for PsychoKiller_40:
(Start: 145 @29791 has 28 MA's), (213, 29620), (240, 29533), (260, 29476), (281, 29407), (294, 29374), (316, 29296), (333, 29245), (431, 29050), (440, 29032), (446, 29014), (486, 28930), (492, 28912),

Gene: Pterodactyl_39 Start: 26308, Stop: 27258, Start Num: 137
Candidate Starts for Pterodactyl_39:
(Start: 137 @26308 has 77 MA's), (192, 26440), (197, 26452), (Start: 198 @26455 has 1 MA's), (209, 26479), (245, 26575), (263, 26623), (266, 26638), (281, 26680), (287, 26704), (304, 26752), (351, 26878), (363, 26902), (364, 26905), (368, 26914), (444, 27049), (477, 27109), (498, 27184), (509, 27214), (511, 27217),

Gene: Puissant_65 Start: 49917, Stop: 51227, Start Num: 49
Candidate Starts for Puissant_65:
(13, 49746), (27, 49866), (29, 49875), (Start: 41 @49899 has 1 MA's), (Start: 49 @49917 has 1 MA's), (104, 50019), (110, 50037), (208, 50253), (210, 50259), (222, 50289), (229, 50310), (276, 50457), (281, 50475), (282, 50478), (285, 50493), (289, 50505), (294, 50514), (330, 50646), (334, 50652), (362, 50727), (382, 50778), (418, 50835), (476, 50967), (489, 51003), (512, 51078),

Gene: Pumancara_39 Start: 26532, Stop: 27482, Start Num: 143
Candidate Starts for Pumancara_39:
(Start: 143 @26532 has 21 MA's), (163, 26589), (Start: 198 @26679 has 1 MA's), (207, 26697), (241, 26787), (261, 26838), (272, 26877), (278, 26892), (283, 26910), (285, 26922), (302, 26970), (337, 27087), (368, 27138), (427, 27225), (444, 27273), (477, 27333), (498, 27408), (509, 27438), (511,

27441),

Gene: Pumpernickel_110 Start: 78248, Stop: 77310, Start Num: 169
Candidate Starts for Pumpernickel_110:
(Start: 169 @78248 has 6 MA's), (220, 78125), (236, 78077), (254, 78032), (271, 77990), (274, 77981), (280, 77963), (283, 77951), (308, 77867), (317, 77858), (322, 77846), (328, 77822), (361, 77735), (363, 77729), (372, 77705), (458, 77531), (463, 77519), (482, 77474), (515, 77381),

Gene: PuppyEggo_38 Start: 27085, Stop: 25910, Start Num: 84
Candidate Starts for PuppyEggo_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (Start: 157 @26947 has 1 MA's), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: Pywacket_62 Start: 44677, Stop: 45825, Start Num: 74
Candidate Starts for Pywacket_62:
(Start: 65 @44662 has 42 MA's), (74, 44677), (Start: 130 @44806 has 11 MA's), (Start: 181 @44896 has 5 MA's), (182, 44899), (Start: 198 @44935 has 1 MA's), (210, 44968), (218, 44983), (272, 45082), (282, 45109), (294, 45148), (296, 45163), (307, 45193), (316, 45223), (324, 45253), (340, 45301), (408, 45436), (445, 45538), (473, 45592), (477, 45601), (479, 45610), (489, 45634), (517, 45727), (542, 45817),

Gene: QuadZero_35 Start: 25001, Stop: 23823, Start Num: 92
Candidate Starts for QuadZero_35:
(53, 25073), (Start: 65 @25058 has 42 MA's), (Start: 92 @25001 has 38 MA's), (153, 24887), (267, 24569), (274, 24554), (288, 24503), (350, 24311), (363, 24275), (385, 24215), (399, 24212), (428, 24137), (430, 24131), (446, 24086), (492, 23981), (506, 23924),

Gene: Quartz_36 Start: 26636, Stop: 25458, Start Num: 92
Candidate Starts for Quartz_36:
(Start: 92 @26636 has 38 MA's), (Start: 148 @26537 has 1 MA's), (153, 26522), (Start: 157 @26507 has 1 MA's), (262, 26228), (264, 26216), (267, 26204), (274, 26189), (288, 26138), (363, 25910), (374, 25880), (385, 25850), (399, 25847), (423, 25787), (428, 25772), (446, 25721), (488, 25628), (506, 25559),

Gene: Quasar_41 Start: 30339, Stop: 29308, Start Num: 145
Candidate Starts for Quasar_41:
(Start: 145 @30339 has 28 MA's), (213, 30168), (240, 30081), (260, 30024), (281, 29955), (294, 29922), (316, 29844), (333, 29793), (431, 29598), (440, 29580), (446, 29562), (486, 29478), (492, 29460),

Gene: RADical_42 Start: 29785, Stop: 28754, Start Num: 145
Candidate Starts for RADical_42:
(Start: 145 @29785 has 28 MA's), (197, 29644), (240, 29527), (260, 29470), (281, 29401), (294, 29368), (316, 29290), (333, 29239), (431, 29044), (440, 29026), (446, 29008), (486, 28924), (492, 28906), (513, 28831),

Gene: RAP15_42 Start: 27707, Stop: 28654, Start Num: 137
Candidate Starts for RAP15_42:
(Start: 137 @27707 has 77 MA's), (192, 27839), (197, 27851), (Start: 198 @27854 has 1 MA's), (209, 27878), (245, 27974), (263, 28022), (272, 28052), (281, 28079), (304, 28151), (364, 28301), (368, 28310), (427, 28397), (444, 28445), (477, 28505), (498, 28580), (509, 28610), (511, 28613),

Gene: RSchmailzl_42 Start: 29828, Stop: 28797, Start Num: 145
Candidate Starts for RSchmailzl_42:
(Start: 141 @29834 has 1 MA's), (Start: 145 @29828 has 28 MA's), (197, 29687), (240, 29570), (260, 29513), (281, 29444), (294, 29411), (316, 29333), (333, 29282), (431, 29087), (440, 29069), (446, 29051), (486, 28967), (492, 28949),

Gene: Raccoon_37 Start: 27170, Stop: 25992, Start Num: 84
Candidate Starts for Raccoon_37:
(47, 27242), (Start: 81 @27179 has 16 MA's), (Start: 84 @27170 has 138 MA's), (153, 27044), (154, 27041), (241, 26810), (267, 26735), (274, 26720), (363, 26441), (374, 26411), (385, 26381), (399, 26378), (445, 26255), (488, 26159), (496, 26126),

Gene: Racecar_104 Start: 83495, Stop: 84466, Start Num: 162
Candidate Starts for Racecar_104:
(Start: 162 @83495 has 13 MA's), (171, 83519), (Start: 181 @83540 has 5 MA's), (221, 83639), (225, 83654), (233, 83678), (245, 83711), (283, 83828), (286, 83843), (322, 83939), (325, 83948), (363, 84053), (369, 84068), (372, 84077), (419, 84152), (433, 84194), (453, 84245), (463, 84266), (505, 84374), (515, 84404),

Gene: Rachella_43 Start: 28867, Stop: 30000, Start Num: 75
Candidate Starts for Rachella_43:
(1, 28447), (Start: 66 @28846 has 52 MA's), (Start: 75 @28867 has 1 MA's), (105, 28936), (185, 29077), (210, 29140), (246, 29236), (294, 29341), (338, 29491), (374, 29581), (388, 29617), (408, 29647), (445, 29752), (475, 29809), (501, 29893), (518, 29950),

Gene: Ranch_65 Start: 42668, Stop: 43885, Start Num: 65
Candidate Starts for Ranch_65:
(Start: 65 @42668 has 42 MA's), (74, 42683), (Start: 130 @42812 has 11 MA's), (Start: 181 @42902 has 5 MA's), (182, 42905), (Start: 198 @42941 has 1 MA's), (210, 42974), (272, 43088), (282, 43115), (294, 43154), (296, 43169), (307, 43199), (316, 43229), (324, 43259), (337, 43301), (445, 43598), (473, 43652), (477, 43661), (479, 43670), (489, 43694), (517, 43787), (542, 43877),

Gene: RanchParmCat_47 Start: 31601, Stop: 30597, Start Num: 150
Candidate Starts for RanchParmCat_47:
(Start: 141 @31622 has 1 MA's), (Start: 148 @31604 has 1 MA's), (Start: 150 @31601 has 3 MA's), (197, 31475), (213, 31445), (240, 31358), (260, 31301), (281, 31232), (283, 31226), (299, 31175), (316, 31121), (323, 31097), (333, 31070), (363, 31001), (380, 30956), (406, 30941), (424, 30893), (426, 30890), (431, 30875), (452, 30827), (461, 30809), (513, 30662),

Gene: Rapheph_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Rapheph_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: Raptor_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for Raptor_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (164, 26926), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Rasovi_43 Start: 27973, Stop: 28986, Start Num: 106
Candidate Starts for Rasovi_43:
(Start: 106 @27973 has 22 MA's), (Start: 198 @28183 has 1 MA's), (227, 28252), (263, 28336), (283, 28399), (306, 28471), (307, 28474), (326, 28540), (327, 28543), (375, 28645), (378, 28651), (431, 28735), (436, 28750), (459, 28801), (480, 28849), (498, 28912),

Gene: RazorC_65 Start: 42812, Stop: 44029, Start Num: 65
Candidate Starts for RazorC_65:
(Start: 65 @42812 has 42 MA's), (74, 42827), (Start: 130 @42956 has 11 MA's), (Start: 181 @43046 has 5 MA's), (182, 43049), (Start: 198 @43085 has 1 MA's), (210, 43118), (272, 43232), (282, 43259), (294, 43298), (296, 43313), (307, 43343), (316, 43373), (324, 43403), (340, 43451), (408, 43640), (473, 43796), (477, 43805), (479, 43814), (489, 43838), (504, 43892), (517, 43931), (542, 44021),

Gene: RcigaStruga_41 Start: 27893, Stop: 28828, Start Num: 137
Candidate Starts for RcigaStruga_41:
(Start: 137 @27893 has 77 MA's), (Start: 198 @28040 has 1 MA's), (207, 28058), (219, 28082), (244, 28157), (263, 28208), (272, 28238), (278, 28253), (281, 28265), (326, 28415), (363, 28484), (364, 28487), (436, 28598), (498, 28754), (500, 28757), (509, 28784), (511, 28787),

Gene: RedBaron_45 Start: 30028, Stop: 28997, Start Num: 145
Candidate Starts for RedBaron_45:
(Start: 145 @30028 has 28 MA's), (197, 29887), (240, 29770), (260, 29713), (281, 29644), (294, 29611), (316, 29533), (333, 29482), (431, 29287), (440, 29269), (446, 29251), (486, 29167), (492, 29149),

Gene: RedRaider_73 Start: 55326, Stop: 54136, Start Num: 58
Candidate Starts for RedRaider_73:
(Start: 54 @55335 has 2 MA's), (Start: 58 @55326 has 6 MA's), (74, 55299), (161, 55128), (Start: 198 @55035 has 1 MA's), (199, 55032), (200, 55029), (210, 55002), (219, 54984), (238, 54927), (320, 54732), (324, 54714), (340, 54666), (350, 54639), (391, 54540), (408, 54492), (426, 54444), (445, 54390), (477, 54327), (479, 54318), (517, 54198),

Gene: Redfield_37 Start: 27202, Stop: 26024, Start Num: 84
Candidate Starts for Redfield_37:
(47, 27274), (Start: 81 @27211 has 16 MA's), (Start: 84 @27202 has 138 MA's), (153, 27076), (154, 27073), (241, 26842), (267, 26767), (363, 26473), (374, 26443), (385, 26413), (399, 26410), (445, 26287), (488, 26191), (496, 26158),

Gene: ReginaGlobina_102 Start: 83120, Stop: 84091, Start Num: 162
Candidate Starts for ReginaGlobina_102:
(Start: 162 @83120 has 13 MA's), (171, 83144), (Start: 181 @83165 has 5 MA's), (225, 83279), (283, 83453), (286, 83468), (309, 83543), (324, 83570), (325, 83573), (328, 83588), (354, 83657), (363, 83678), (369, 83693), (373, 83705), (435, 83825), (442, 83846), (453, 83870), (463, 83891), (501, 83990), (505, 83999),

Gene: RenegadeRaider_37 Start: 26510, Stop: 25371, Start Num: 97
Candidate Starts for RenegadeRaider_37:
(97, 26510), (139, 26444), (153, 26408), (154, 26405), (241, 26174), (264, 26111), (267, 26099), (274, 26084), (282, 26057), (343, 25877), (423, 25697), (428, 25682), (496, 25505), (506, 25469), (518, 25430),

Gene: Renzie_38 Start: 27070, Stop: 25895, Start Num: 84
Candidate Starts for Renzie_38:

(28, 27190), (50, 27139), (Start: 81 @27079 has 16 MA's), (Start: 84 @27070 has 138 MA's), (153, 26947), (Start: 157 @26932 has 1 MA's), (248, 26695), (267, 26638), (274, 26623), (363, 26344), (374, 26314), (385, 26284), (399, 26281), (438, 26176), (445, 26158), (450, 26146), (467, 26113), (488, 26062), (496, 26029),

Gene: Riduram_64 Start: 42387, Stop: 43604, Start Num: 65
Candidate Starts for Riduram_64:
(Start: 65 @42387 has 42 MA's), (74, 42402), (Start: 130 @42531 has 11 MA's), (Start: 181 @42621 has 5 MA's), (182, 42624), (Start: 198 @42660 has 1 MA's), (210, 42693), (272, 42807), (282, 42834), (294, 42873), (296, 42888), (307, 42918), (316, 42948), (324, 42978), (340, 43026), (408, 43215), (473, 43371), (477, 43380), (479, 43389), (489, 43413), (504, 43467), (517, 43506), (542, 43596),

Gene: Rie18_43 Start: 28391, Stop: 29497, Start Num: 66
Candidate Starts for Rie18_43:
(Start: 66 @28391 has 52 MA's), (Start: 75 @28412 has 1 MA's), (185, 28622), (210, 28685), (246, 28781), (294, 28886), (338, 29036), (445, 29249), (501, 29390), (518, 29447),

Gene: RikSengupta_46 Start: 29769, Stop: 30920, Start Num: 36
Candidate Starts for RikSengupta_46:
(Start: 36 @29769 has 1 MA's), (Start: 70 @29823 has 5 MA's), (Start: 72 @29826 has 1 MA's), (Start: 75 @29832 has 1 MA's), (185, 30042), (187, 30048), (206, 30093), (210, 30105), (235, 30168), (246, 30201), (294, 30306), (345, 30468), (422, 30603), (430, 30627), (504, 30819), (518, 30867),

Gene: Riovina_39 Start: 27504, Stop: 28451, Start Num: 143
Candidate Starts for Riovina_39:
(Start: 143 @27504 has 21 MA's), (165, 27570), (207, 27669), (219, 27693), (241, 27759), (261, 27807), (266, 27831), (278, 27861), (283, 27879), (285, 27891), (299, 27933), (351, 28071), (363, 28092), (364, 28095), (477, 28302), (498, 28377), (500, 28380), (509, 28407), (511, 28410),

Gene: Riparian_71 Start: 51165, Stop: 52334, Start Num: 67
Candidate Starts for Riparian_71:
(Start: 67 @51165 has 11 MA's), (74, 51180), (91, 51222), (Start: 106 @51255 has 22 MA's), (205, 51456), (210, 51471), (274, 51603), (294, 51666), (296, 51681), (324, 51771), (332, 51798), (422, 51999), (424, 52005), (426, 52011), (475, 52122), (477, 52128), (518, 52260), (536, 52320),

Gene: Riverdale_42 Start: 27672, Stop: 28619, Start Num: 137
Candidate Starts for Riverdale_42:
(Start: 137 @27672 has 77 MA's), (167, 27741), (192, 27804), (197, 27816), (Start: 198 @27819 has 1 MA's), (209, 27843), (245, 27939), (263, 27987), (272, 28017), (281, 28044), (304, 28116), (364, 28266), (368, 28275), (427, 28362), (444, 28410), (477, 28470), (498, 28545), (500, 28548), (509, 28575), (511, 28578),

Gene: Riyhil_38 Start: 27088, Stop: 25913, Start Num: 84
Candidate Starts for Riyhil_38:
(28, 27208), (50, 27157), (Start: 81 @27097 has 16 MA's), (Start: 84 @27088 has 138 MA's), (153, 26965), (Start: 157 @26950 has 1 MA's), (194, 26863), (248, 26713), (267, 26656), (363, 26362), (374, 26332), (385, 26302), (399, 26299), (438, 26194), (445, 26176), (450, 26164), (467, 26131), (488, 26080), (496, 26047),

Gene: Roberts_37 Start: 24528, Stop: 23596, Start Num: 177
Candidate Starts for Roberts_37:
(Start: 177 @24528 has 11 MA's), (238, 24369), (256, 24324), (303, 24162), (322, 24123), (359, 24021), (368, 24000), (376, 23973), (413, 23934), (435, 23874), (453, 23829), (479, 23772), (482,

23763), (488, 23760), (501, 23709), (505, 23700), (518, 23658), (522, 23646),

Gene: Robinson_38 Start: 27076, Stop: 25901, Start Num: 84
Candidate Starts for Robinson_38:
(28, 27196), (50, 27145), (Start: 81 @27085 has 16 MA's), (Start: 84 @27076 has 138 MA's), (153, 26953), (Start: 157 @26938 has 1 MA's), (248, 26701), (267, 26644), (274, 26629), (363, 26350), (374, 26320), (385, 26290), (399, 26287), (438, 26182), (445, 26164), (450, 26152), (467, 26119), (488, 26068), (496, 26035),

Gene: Rockabye_104 Start: 76731, Stop: 77705, Start Num: 162
Candidate Starts for Rockabye_104:
(Start: 162 @76731 has 13 MA's), (171, 76755), (Start: 181 @76776 has 5 MA's), (221, 76875), (245, 76947), (283, 77064), (286, 77079), (325, 77184), (363, 77289), (369, 77304), (374, 77319), (453, 77481), (463, 77502), (505, 77610), (515, 77640),

Gene: Rog141_37 Start: 26767, Stop: 25592, Start Num: 84
Candidate Starts for Rog141_37:
(28, 26887), (50, 26836), (Start: 81 @26776 has 16 MA's), (Start: 84 @26767 has 138 MA's), (153, 26644), (Start: 157 @26629 has 1 MA's), (194, 26542), (248, 26392), (267, 26335), (274, 26320), (363, 26041), (374, 26011), (385, 25981), (399, 25978), (438, 25873), (445, 25855), (450, 25843), (467, 25810), (488, 25759), (496, 25726),

Gene: Rooney_66 Start: 47314, Stop: 46316, Start Num: 61
Candidate Starts for Rooney_66:
(Start: 61 @47314 has 7 MA's), (74, 47302), (210, 47023), (214, 47020), (273, 46891), (282, 46864), (294, 46828), (316, 46753), (320, 46741), (338, 46678), (441, 46579), (460, 46537), (477, 46504), (479, 46495), (501, 46423), (502, 46417), (526, 46333),

Gene: Rootkit7_42 Start: 27509, Stop: 28522, Start Num: 106
Candidate Starts for Rootkit7_42:
(Start: 106 @27509 has 22 MA's), (165, 27638), (Start: 198 @27719 has 1 MA's), (227, 27788), (263, 27872), (289, 27956), (306, 28007), (326, 28076), (327, 28079), (375, 28181), (378, 28187), (431, 28271), (436, 28286), (459, 28337), (480, 28385), (498, 28448),

Gene: Rope_69 Start: 51321, Stop: 52490, Start Num: 67
Candidate Starts for Rope_69:
(Start: 67 @51321 has 11 MA's), (74, 51336), (91, 51378), (Start: 106 @51411 has 22 MA's), (205, 51612), (210, 51627), (274, 51759), (294, 51822), (296, 51837), (324, 51927), (332, 51954), (422, 52155), (424, 52161), (426, 52167), (475, 52278), (477, 52284), (518, 52416), (536, 52476),

Gene: RosieMae_37 Start: 26825, Stop: 25650, Start Num: 84
Candidate Starts for RosieMae_37:
(28, 26945), (50, 26894), (Start: 81 @26834 has 16 MA's), (Start: 84 @26825 has 138 MA's), (153, 26702), (Start: 157 @26687 has 1 MA's), (194, 26600), (248, 26450), (267, 26393), (274, 26378), (363, 26099), (374, 26069), (385, 26039), (399, 26036), (438, 25931), (445, 25913), (450, 25901), (467, 25868), (488, 25817), (496, 25784),

Gene: Rota_62 Start: 43736, Stop: 44899, Start Num: 65
Candidate Starts for Rota_62:
(Start: 65 @43736 has 42 MA's), (74, 43751), (Start: 130 @43880 has 11 MA's), (Start: 181 @43970 has 5 MA's), (182, 43973), (Start: 198 @44009 has 1 MA's), (210, 44042), (272, 44156), (282, 44183), (294, 44222), (296, 44237), (307, 44267), (316, 44297), (324, 44327), (340, 44375), (408, 44510), (445, 44612), (473, 44666), (477, 44675), (479, 44684), (489, 44708), (517, 44801), (542, 44891),

Gene: Rozby_41 Start: 27464, Stop: 28411, Start Num: 137
Candidate Starts for Rozby_41:
(Start: 137 @27464 has 77 MA's), (167, 27533), (192, 27596), (197, 27608), (Start: 198 @27611 has 1 MA's), (209, 27635), (245, 27731), (263, 27779), (272, 27809), (281, 27836), (304, 27908), (364, 28058), (368, 28067), (427, 28154), (444, 28202), (477, 28262), (498, 28337), (500, 28340), (509, 28367), (511, 28370),

Gene: Rukungu_67 Start: 44741, Stop: 45904, Start Num: 65
Candidate Starts for Rukungu_67:
(Start: 65 @44741 has 42 MA's), (74, 44756), (Start: 130 @44885 has 11 MA's), (Start: 181 @44975 has 5 MA's), (182, 44978), (Start: 198 @45014 has 1 MA's), (210, 45047), (272, 45161), (282, 45188), (294, 45227), (296, 45242), (307, 45272), (316, 45302), (324, 45332), (340, 45380), (408, 45515), (445, 45617), (473, 45671), (477, 45680), (479, 45689), (489, 45713), (517, 45806), (542, 45896),

Gene: Rumi_66 Start: 42355, Stop: 43572, Start Num: 65
Candidate Starts for Rumi_66:
(Start: 65 @42355 has 42 MA's), (74, 42370), (Start: 130 @42499 has 11 MA's), (Start: 181 @42589 has 5 MA's), (182, 42592), (Start: 198 @42628 has 1 MA's), (210, 42661), (272, 42775), (282, 42802), (294, 42841), (296, 42856), (307, 42886), (316, 42916), (324, 42946), (340, 42994), (408, 43183), (473, 43339), (477, 43348), (479, 43357), (489, 43381), (504, 43435), (517, 43474), (542, 43564),

Gene: SBlackberry_42 Start: 27445, Stop: 28458, Start Num: 106
Candidate Starts for SBlackberry_42:
(89, 27400), (Start: 106 @27445 has 22 MA's), (Start: 198 @27655 has 1 MA's), (227, 27724), (263, 27808), (281, 27865), (306, 27943), (326, 28012), (327, 28015), (366, 28090), (375, 28117), (436, 28222), (459, 28273), (480, 28321), (498, 28384),

Gene: SJReid_107 Start: 75794, Stop: 76723, Start Num: 181
Candidate Starts for SJReid_107:
(Start: 162 @75749 has 13 MA's), (171, 75773), (Start: 181 @75794 has 5 MA's), (211, 75869), (221, 75893), (223, 75902), (245, 75965), (283, 76082), (291, 76106), (300, 76139), (322, 76193), (325, 76202), (363, 76307), (369, 76322), (374, 76337), (453, 76499), (463, 76520), (505, 76628), (515, 76658),

Gene: SJay_38 Start: 27079, Stop: 25904, Start Num: 84
Candidate Starts for SJay_38:
(28, 27199), (50, 27148), (Start: 81 @27088 has 16 MA's), (Start: 84 @27079 has 138 MA's), (153, 26956), (164, 26923), (248, 26704), (267, 26647), (363, 26353), (374, 26323), (385, 26293), (399, 26290), (438, 26185), (445, 26167), (450, 26155), (467, 26122), (488, 26071), (496, 26038),

Gene: Sadboi_66 Start: 44538, Stop: 45701, Start Num: 65
Candidate Starts for Sadboi_66:
(Start: 65 @44538 has 42 MA's), (74, 44553), (Start: 130 @44682 has 11 MA's), (Start: 181 @44772 has 5 MA's), (182, 44775), (Start: 198 @44811 has 1 MA's), (210, 44844), (272, 44958), (282, 44985), (294, 45024), (296, 45039), (307, 45069), (316, 45099), (324, 45129), (340, 45177), (370, 45252), (377, 45273), (408, 45312), (445, 45414), (473, 45468), (477, 45477), (479, 45486), (489, 45510), (517, 45603), (542, 45693),

Gene: SafetyGuy_43 Start: 28826, Stop: 29980, Start Num: 66
Candidate Starts for SafetyGuy_43:
(1, 28427), (Start: 66 @28826 has 52 MA's), (Start: 75 @28847 has 1 MA's), (105, 28916), (185, 29057), (210, 29120), (246, 29216), (294, 29321), (338, 29471), (374, 29561), (388, 29597), (408,

29627), (445, 29732), (475, 29789), (501, 29873), (518, 29930),

Gene: Salvus_44 Start: 32247, Stop: 31231, Start Num: 137
Candidate Starts for Salvus_44:
(Start: 137 @32247 has 77 MA's), (172, 32154), (Start: 174 @32151 has 2 MA's), (212, 32064), (240, 31977), (260, 31920), (263, 31905), (281, 31851), (318, 31737), (431, 31497), (438, 31482), (446, 31461), (491, 31374), (501, 31335), (516, 31284), (523, 31263),

Gene: Sampudon_65 Start: 44890, Stop: 46053, Start Num: 65
Candidate Starts for Sampudon_65:
(Start: 65 @44890 has 42 MA's), (74, 44905), (Start: 130 @45034 has 11 MA's), (Start: 181 @45124 has 5 MA's), (182, 45127), (Start: 198 @45163 has 1 MA's), (210, 45196), (272, 45310), (282, 45337), (294, 45376), (296, 45391), (307, 45421), (316, 45451), (324, 45481), (340, 45529), (408, 45664), (445, 45766), (473, 45820), (477, 45829), (479, 45838), (489, 45862), (517, 45955), (542, 46045),

Gene: Sansa_36 Start: 26883, Stop: 25720, Start Num: 92
Candidate Starts for Sansa_36:
(Start: 69 @26919 has 8 MA's), (Start: 73 @26910 has 3 MA's), (Start: 92 @26883 has 38 MA's), (153, 26772), (154, 26769), (257, 26505), (262, 26487), (267, 26463), (274, 26448), (288, 26397), (318, 26307), (363, 26169), (374, 26139), (385, 26109), (410, 26082), (446, 25980), (488, 25887), (496, 25854), (502, 25830), (506, 25818),

Gene: Sapo_31 Start: 30227, Stop: 29166, Start Num: 99
Candidate Starts for Sapo_31:
(Start: 99 @30227 has 1 MA's), (182, 30014), (225, 29909), (272, 29801), (287, 29750), (290, 29744), (306, 29696), (316, 29663), (368, 29546), (414, 29507), (503, 29315), (527, 29234), (528, 29231), (532, 29222), (541, 29192),

Gene: Saratos_37 Start: 26791, Stop: 25628, Start Num: 92
Candidate Starts for Saratos_37:
(Start: 69 @26827 has 8 MA's), (Start: 73 @26818 has 3 MA's), (Start: 92 @26791 has 38 MA's), (153, 26680), (154, 26677), (170, 26632), (241, 26446), (257, 26413), (262, 26395), (267, 26371), (274, 26356), (288, 26305), (318, 26215), (363, 26077), (374, 26047), (385, 26017), (410, 25990), (446, 25888), (488, 25795), (496, 25762), (502, 25738), (506, 25726),

Gene: SassyC_71 Start: 48238, Stop: 47240, Start Num: 61
Candidate Starts for SassyC_71:
(48, 48262), (Start: 61 @48238 has 7 MA's), (74, 48226), (210, 47947), (214, 47944), (282, 47788), (294, 47752), (316, 47677), (320, 47665), (335, 47614), (338, 47602), (460, 47461), (477, 47428), (479, 47419), (501, 47347), (502, 47341), (526, 47257),

Gene: Savage2526_42 Start: 27701, Stop: 28648, Start Num: 137
Candidate Starts for Savage2526_42:
(Start: 137 @27701 has 77 MA's), (192, 27833), (197, 27845), (Start: 198 @27848 has 1 MA's), (209, 27872), (245, 27968), (263, 28016), (272, 28046), (281, 28073), (304, 28145), (364, 28295), (368, 28304), (427, 28391), (444, 28439), (477, 28499), (498, 28574), (500, 28577), (509, 28604), (511, 28607),

Gene: Schimmels22_36 Start: 25802, Stop: 24621, Start Num: 85
Candidate Starts for Schimmels22_36:
(15, 26018), (22, 25955), (31, 25910), (47, 25874), (Start: 85 @25802 has 5 MA's), (153, 25673), (170, 25625), (257, 25406), (260, 25394), (262, 25388), (267, 25364), (274, 25349), (288, 25298), (318, 25208), (363, 25070), (374, 25040), (381, 25022), (402, 25001), (446, 24881), (467, 24839), (488,

24788), (496, 24755), (502, 24731), (506, 24719),

Gene: Schnapsidee_37 Start: 27208, Stop: 26030, Start Num: 84
Candidate Starts for Schnapsidee_37:
(47, 27280), (Start: 81 @27217 has 16 MA's), (Start: 84 @27208 has 138 MA's), (153, 27082), (154, 27079), (241, 26848), (267, 26773), (274, 26758), (363, 26479), (374, 26449), (385, 26419), (399, 26416), (445, 26293), (488, 26197), (496, 26164),

Gene: Schubert_35 Start: 26499, Stop: 25312, Start Num: 84
Candidate Starts for Schubert_35:
(18, 26679), (19, 26667), (50, 26568), (Start: 71 @26535 has 1 MA's), (Start: 84 @26499 has 138 MA's), (133, 26412), (Start: 148 @26382 has 1 MA's), (153, 26367), (264, 26070), (267, 26058), (363, 25764), (374, 25734), (385, 25704), (428, 25626), (445, 25578), (467, 25533), (477, 25515), (496, 25449), (506, 25413), (518, 25374),

Gene: Scissor2024_36 Start: 25439, Stop: 24258, Start Num: 85
Candidate Starts for Scissor2024_36:
(15, 25655), (22, 25592), (31, 25547), (47, 25511), (Start: 85 @25439 has 5 MA's), (153, 25310), (170, 25262), (257, 25043), (260, 25031), (262, 25025), (267, 25001), (274, 24986), (288, 24935), (318, 24845), (363, 24707), (374, 24677), (381, 24659), (402, 24638), (446, 24518), (467, 24476), (488, 24425), (496, 24392), (502, 24368), (506, 24356),

Gene: Scuba_75 Start: 52584, Stop: 51394, Start Num: 58
Candidate Starts for Scuba_75:
(10, 52815), (11, 52812), (Start: 58 @52584 has 6 MA's), (64, 52575), (74, 52557), (113, 52464), (180, 52341), (189, 52314), (200, 52287), (210, 52260), (340, 51927), (374, 51840), (408, 51747), (426, 51699), (477, 51582), (485, 51558), (502, 51495), (514, 51465), (521, 51441),

Gene: Scuttle_41 Start: 27661, Stop: 28608, Start Num: 137
Candidate Starts for Scuttle_41:
(Start: 137 @27661 has 77 MA's), (192, 27793), (Start: 198 @27808 has 1 MA's), (209, 27832), (245, 27928), (263, 27976), (272, 28006), (281, 28033), (304, 28105), (364, 28255), (368, 28264), (427, 28351), (444, 28399), (477, 28459), (498, 28534), (500, 28537), (509, 28564), (511, 28567),

Gene: Sedgewig_37 Start: 26765, Stop: 25590, Start Num: 84
Candidate Starts for Sedgewig_37:
(28, 26885), (50, 26834), (Start: 81 @26774 has 16 MA's), (Start: 84 @26765 has 138 MA's), (153, 26642), (Start: 157 @26627 has 1 MA's), (248, 26390), (267, 26333), (363, 26039), (374, 26009), (385, 25979), (399, 25976), (438, 25871), (445, 25853), (450, 25841), (467, 25808), (488, 25757), (496, 25724),

Gene: Send513_69 Start: 51699, Stop: 52868, Start Num: 67
Candidate Starts for Send513_69:
(Start: 67 @51699 has 11 MA's), (74, 51714), (91, 51756), (Start: 106 @51789 has 22 MA's), (205, 51990), (210, 52005), (274, 52137), (294, 52200), (296, 52215), (332, 52332), (422, 52533), (424, 52539), (426, 52545), (475, 52656), (477, 52662), (518, 52794), (536, 52854),

Gene: Sergei_39 Start: 27511, Stop: 28464, Start Num: 143
Candidate Starts for Sergei_39:
(Start: 143 @27511 has 21 MA's), (163, 27568), (Start: 198 @27658 has 1 MA's), (207, 27676), (241, 27766), (261, 27817), (272, 27856), (278, 27871), (283, 27889), (285, 27901), (302, 27949), (337, 28066), (363, 28105), (368, 28117), (477, 28315), (498, 28390), (509, 28420), (511, 28423),

Gene: ShaiHulud_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for ShaiHulud_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (Start: 157 @26944 has 1 MA's), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: ShakeNBake_66 Start: 47186, Stop: 46188, Start Num: 61
Candidate Starts for ShakeNBake_66:
(37, 47237), (Start: 61 @47186 has 7 MA's), (74, 47174), (210, 46895), (214, 46892), (273, 46763), (282, 46736), (294, 46700), (316, 46625), (320, 46613), (338, 46550), (460, 46409), (477, 46376), (479, 46367), (501, 46295), (502, 46289), (526, 46205),

Gene: Shamu_37 Start: 26812, Stop: 25649, Start Num: 92
Candidate Starts for Shamu_37:
(Start: 69 @26848 has 8 MA's), (Start: 73 @26839 has 3 MA's), (Start: 92 @26812 has 38 MA's), (153, 26701), (154, 26698), (170, 26653), (241, 26467), (257, 26434), (262, 26416), (267, 26392), (274, 26377), (288, 26326), (318, 26236), (363, 26098), (374, 26068), (385, 26038), (410, 26011), (446, 25909), (488, 25816), (496, 25783), (502, 25759), (506, 25747),

Gene: SheckWes_46 Start: 31294, Stop: 30236, Start Num: 143
Candidate Starts for SheckWes_46:
(Start: 143 @31294 has 21 MA's), (186, 31177), (197, 31150), (208, 31126), (216, 31093), (224, 31060), (240, 31015), (274, 30913), (299, 30832), (323, 30754), (331, 30730), (341, 30706), (348, 30694), (379, 30613), (426, 30544), (428, 30538), (431, 30529), (446, 30493), (447, 30490), (454, 30478), (492, 30391), (502, 30349), (506, 30337), (508, 30331), (513, 30316),

Gene: Shee_38 Start: 27075, Stop: 25900, Start Num: 84
Candidate Starts for Shee_38:
(28, 27195), (50, 27144), (Start: 81 @27084 has 16 MA's), (Start: 84 @27075 has 138 MA's), (153, 26952), (Start: 157 @26937 has 1 MA's), (248, 26700), (267, 26643), (363, 26349), (374, 26319), (385, 26289), (399, 26286), (438, 26181), (445, 26163), (450, 26151), (467, 26118), (488, 26067), (496, 26034),

Gene: Shocker_49 Start: 38387, Stop: 37386, Start Num: 174
Candidate Starts for Shocker_49:
(158, 38426), (Start: 174 @38387 has 2 MA's), (259, 38162), (276, 38102), (314, 37967), (316, 37964), (335, 37901), (340, 37886), (352, 37856), (371, 37805), (407, 37754), (417, 37730), (439, 37667), (449, 37640), (462, 37616), (471, 37598),

Gene: Shrew_83 Start: 49717, Stop: 50844, Start Num: 109
Candidate Starts for Shrew_83:
(96, 49672), (Start: 109 @49717 has 1 MA's), (153, 49822), (194, 49924), (224, 50005), (236, 50038), (291, 50206), (303, 50242), (422, 50533), (446, 50593), (452, 50605), (465, 50629), (470, 50638), (506, 50740), (510, 50752),

Gene: Shynx_50 Start: 36115, Stop: 37113, Start Num: 130
Candidate Starts for Shynx_50:
(9, 35722), (26, 35878), (59, 35956), (Start: 127 @36109 has 4 MA's), (Start: 130 @36115 has 11 MA's), (Start: 198 @36280 has 1 MA's), (209, 36304), (251, 36412), (261, 36445), (266, 36469), (285, 36529), (301, 36559), (303, 36565), (306, 36577), (307, 36580), (318, 36613), (327, 36649), (368, 36739), (421, 36835), (459, 36934), (464, 36946), (521, 37090),

Gene: Sienna_54 Start: 40504, Stop: 41709, Start Num: 32
Candidate Starts for Sienna_54:
(Start: 32 @40504 has 4 MA's), (Start: 62 @40564 has 5 MA's), (Start: 67 @40573 has 11 MA's), (131, 40711), (151, 40735), (218, 40888), (229, 40921), (334, 41167), (335, 41170), (336, 41176), (343, 41191), (396, 41311), (426, 41359), (436, 41389), (438, 41395), (450, 41425), (468, 41458), (477, 41476), (478, 41482), (504, 41563), (515, 41593), (518, 41605), (537, 41668),

Gene: SilentWarrior_43 Start: 28085, Stop: 29212, Start Num: 66
Candidate Starts for SilentWarrior_43:
(1, 27692), (3, 27758), (4, 27773), (Start: 66 @28085 has 52 MA's), (Start: 75 @28106 has 1 MA's), (116, 28202), (185, 28316), (210, 28379), (246, 28475), (294, 28580), (338, 28730), (422, 28898), (445, 28964), (501, 29105), (518, 29162),

Gene: Sinatra_36 Start: 26663, Stop: 25500, Start Num: 81
Candidate Starts for Sinatra_36:
(50, 26723), (Start: 81 @26663 has 16 MA's), (139, 26573), (153, 26537), (154, 26534), (241, 26303), (267, 26228), (274, 26213), (282, 26186), (343, 26006), (357, 25961), (423, 25826), (428, 25811), (496, 25634), (506, 25598), (518, 25559),

Gene: SirHarley_59 Start: 43598, Stop: 44728, Start Num: 83
Candidate Starts for SirHarley_59:
(34, 43505), (51, 43532), (52, 43535), (Start: 63 @43550 has 48 MA's), (Start: 83 @43598 has 3 MA's), (102, 43637), (Start: 106 @43649 has 22 MA's), (161, 43748), (188, 43811), (210, 43865), (229, 43913), (272, 43979), (308, 44093), (316, 44120), (324, 44150), (338, 44195), (441, 44429), (473, 44495), (477, 44504), (479, 44513), (520, 44639), (542, 44720),

Gene: SirVictor_36 Start: 26730, Stop: 25579, Start Num: 84
Candidate Starts for SirVictor_36:
(47, 26802), (50, 26799), (Start: 81 @26739 has 16 MA's), (Start: 84 @26730 has 138 MA's), (153, 26619), (154, 26616), (241, 26385), (264, 26322), (274, 26295), (282, 26268), (423, 25908), (428, 25893), (446, 25842), (496, 25716), (502, 25692), (506, 25680),

Gene: Sixama_166 Start: 94053, Stop: 93025, Start Num: 149
Candidate Starts for Sixama_166:
(147, 94059), (Start: 149 @94053 has 1 MA's), (Start: 162 @94014 has 13 MA's), (166, 94002), (190, 93948), (251, 93786), (259, 93765), (283, 93690), (338, 93528), (342, 93522), (353, 93492), (372, 93441), (403, 93399), (404, 93396), (413, 93375), (451, 93273), (501, 93153), (505, 93144), (506, 93141), (515, 93114), (533, 93048), (538, 93036),

Gene: SketchMex_41 Start: 29869, Stop: 28796, Start Num: 119
Candidate Starts for SketchMex_41:
(90, 29953), (101, 29923), (Start: 119 @29869 has 1 MA's), (124, 29860), (Start: 145 @29824 has 28 MA's), (221, 29629), (240, 29566), (281, 29440), (288, 29416), (316, 29329), (333, 29278), (406, 29149), (431, 29083), (440, 29065), (446, 29047), (486, 28963), (513, 28870),

Gene: Skysand_68 Start: 53458, Stop: 52295, Start Num: 77
Candidate Starts for Skysand_68:
(Start: 77 @53458 has 2 MA's), (161, 53287), (Start: 198 @53194 has 1 MA's), (199, 53191), (200, 53188), (210, 53161), (219, 53143), (238, 53086), (320, 52891), (321, 52888), (324, 52873), (340, 52825), (387, 52711), (391, 52699), (408, 52651), (426, 52603), (445, 52549), (477, 52486), (479, 52477), (517, 52357),

Gene: Snakehole_43 Start: 28023, Stop: 29177, Start Num: 66

Candidate Starts for Snakehole_43:
(1, 27624), (Start: 66 @28023 has 52 MA's), (Start: 75 @28044 has 1 MA's), (185, 28254), (210, 28317), (246, 28413), (294, 28518), (338, 28668), (388, 28794), (408, 28824), (445, 28929), (475, 28986), (501, 29070), (518, 29127),

Gene: Socotra_42 Start: 29790, Stop: 28759, Start Num: 145
Candidate Starts for Socotra_42:
(Start: 141 @29796 has 1 MA's), (Start: 145 @29790 has 28 MA's), (240, 29532), (260, 29475), (281, 29406), (294, 29373), (316, 29295), (333, 29244), (431, 29049), (440, 29031), (446, 29013), (486, 28929), (492, 28911),

Gene: SoilGremlin_38 Start: 27081, Stop: 25906, Start Num: 84
Candidate Starts for SoilGremlin_38:
(28, 27201), (50, 27150), (Start: 81 @27090 has 16 MA's), (Start: 84 @27081 has 138 MA's), (153, 26958), (Start: 157 @26943 has 1 MA's), (248, 26706), (267, 26649), (363, 26355), (374, 26325), (385, 26295), (399, 26292), (438, 26187), (445, 26169), (450, 26157), (467, 26124), (488, 26073), (496, 26040),

Gene: SolidSnake_39 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for SolidSnake_39:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (Start: 157 @26946 has 1 MA's), (248, 26709), (267, 26652), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: SonOfLevi_37 Start: 26762, Stop: 25587, Start Num: 84
Candidate Starts for SonOfLevi_37:
(28, 26882), (50, 26831), (Start: 81 @26771 has 16 MA's), (Start: 84 @26762 has 138 MA's), (153, 26639), (164, 26606), (248, 26387), (267, 26330), (363, 26036), (374, 26006), (385, 25976), (399, 25973), (438, 25868), (445, 25850), (450, 25838), (467, 25805), (488, 25754), (496, 25721),

Gene: Sopespian_41 Start: 29792, Stop: 28761, Start Num: 145
Candidate Starts for Sopespian_41:
(Start: 145 @29792 has 28 MA's), (213, 29621), (240, 29534), (260, 29477), (281, 29408), (294, 29375), (316, 29297), (333, 29246), (431, 29051), (440, 29033), (446, 29015), (486, 28931), (492, 28913),

Gene: Soror1_37 Start: 27217, Stop: 26039, Start Num: 84
Candidate Starts for Soror1_37:
(47, 27289), (Start: 81 @27226 has 16 MA's), (Start: 84 @27217 has 138 MA's), (153, 27091), (154, 27088), (241, 26857), (267, 26782), (274, 26767), (363, 26488), (385, 26428), (399, 26425), (445, 26302), (488, 26206), (496, 26173),

Gene: Sparcetus_46 Start: 29700, Stop: 30797, Start Num: 70
Candidate Starts for Sparcetus_46:
(39, 29652), (Start: 70 @29700 has 5 MA's), (Start: 72 @29703 has 1 MA's), (Start: 75 @29709 has 1 MA's), (185, 29919), (187, 29925), (206, 29970), (210, 29982), (235, 30045), (246, 30078), (294, 30183), (345, 30345), (422, 30480), (430, 30504), (504, 30696), (518, 30744),

Gene: Spocter_40 Start: 29643, Stop: 30608, Start Num: 122
Candidate Starts for Spocter_40:
(Start: 122 @29643 has 3 MA's), (154, 29706), (192, 29805), (208, 29841), (228, 29880), (262, 29943), (263, 29949), (302, 30072), (307, 30090), (313, 30114), (323, 30147), (363, 30225), (426, 30342),

(440, 30381), (469, 30444),

Gene: Stanktossa_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Stanktossa_38:
(28, 27198), (50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (Start: 157 @26940 has 1 MA's), (248, 26703), (267, 26646), (274, 26631), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: StarStruck_67 Start: 53139, Stop: 51931, Start Num: 66
Candidate Starts for StarStruck_67:
(Start: 66 @53139 has 52 MA's), (74, 53121), (Start: 174 @52917 has 2 MA's), (183, 52893), (199, 52854), (200, 52851), (210, 52824), (238, 52749), (282, 52662), (320, 52536), (340, 52470), (384, 52359), (397, 52311), (426, 52242), (445, 52188), (473, 52134), (477, 52125), (479, 52116), (514, 52008), (517, 51996),

Gene: Starburst_42 Start: 29785, Stop: 28754, Start Num: 145
Candidate Starts for Starburst_42:
(Start: 145 @29785 has 28 MA's), (197, 29644), (240, 29527), (260, 29470), (281, 29401), (294, 29368), (316, 29290), (333, 29239), (431, 29044), (440, 29026), (446, 29008), (486, 28924), (492, 28906), (513, 28831),

Gene: SteamedHams_42 Start: 29606, Stop: 28572, Start Num: 145
Candidate Starts for SteamedHams_42:
(Start: 145 @29606 has 28 MA's), (170, 29531), (221, 29411), (240, 29348), (274, 29246), (316, 29111), (406, 28931), (410, 28922), (431, 28865), (440, 28847), (446, 28829), (486, 28745),

Gene: Stewart25555_94 Start: 79965, Stop: 80936, Start Num: 162
Candidate Starts for Stewart25555_94:
(Start: 162 @79965 has 13 MA's), (171, 79989), (Start: 181 @80010 has 5 MA's), (211, 80085), (225, 80124), (283, 80298), (286, 80313), (291, 80322), (309, 80388), (324, 80415), (325, 80418), (328, 80433), (354, 80502), (363, 80523), (369, 80538), (373, 80550), (442, 80691), (453, 80715), (463, 80736), (501, 80835), (505, 80844), (515, 80874),

Gene: Stickynote_69 Start: 50521, Stop: 49409, Start Num: 69
Candidate Starts for Stickynote_69:
(Start: 69 @50521 has 8 MA's), (163, 50335), (210, 50221), (226, 50179), (238, 50146), (277, 50083), (280, 50074), (282, 50065), (294, 50029), (307, 49975), (370, 49792), (466, 49603), (477, 49582), (488, 49552), (508, 49480), (515, 49465), (517, 49456),

Gene: StingRay_37 Start: 26783, Stop: 25608, Start Num: 84
Candidate Starts for StingRay_37:
(28, 26903), (50, 26852), (Start: 81 @26792 has 16 MA's), (Start: 84 @26783 has 138 MA's), (153, 26660), (Start: 157 @26645 has 1 MA's), (194, 26558), (248, 26408), (267, 26351), (274, 26336), (363, 26057), (374, 26027), (385, 25997), (399, 25994), (438, 25889), (445, 25871), (450, 25859), (467, 25826), (488, 25775), (496, 25742),

Gene: StirfryIV_37 Start: 26776, Stop: 25601, Start Num: 84
Candidate Starts for StirfryIV_37:
(28, 26896), (50, 26845), (Start: 81 @26785 has 16 MA's), (Start: 84 @26776 has 138 MA's), (153, 26653), (Start: 157 @26638 has 1 MA's), (194, 26551), (248, 26401), (267, 26344), (274, 26329), (363, 26050), (374, 26020), (385, 25990), (399, 25987), (438, 25882), (445, 25864), (450, 25852), (467, 25819), (488, 25768), (496, 25735),

Gene: Stormbreaker8_37 Start: 27202, Stop: 26024, Start Num: 84
Candidate Starts for Stormbreaker8_37:
(47, 27274), (Start: 81 @27211 has 16 MA's), (Start: 84 @27202 has 138 MA's), (153, 27076), (154, 27073), (241, 26842), (267, 26767), (274, 26752), (363, 26473), (385, 26413), (399, 26410), (445, 26287), (488, 26191), (496, 26158),

Gene: Stormer_65 Start: 42359, Stop: 43576, Start Num: 65
Candidate Starts for Stormer_65:
(Start: 65 @42359 has 42 MA's), (74, 42374), (Start: 130 @42503 has 11 MA's), (Start: 181 @42593 has 5 MA's), (182, 42596), (Start: 198 @42632 has 1 MA's), (210, 42665), (272, 42779), (282, 42806), (294, 42845), (296, 42860), (307, 42890), (316, 42920), (324, 42950), (340, 42998), (408, 43187), (473, 43343), (477, 43352), (479, 43361), (489, 43385), (504, 43439), (517, 43478), (542, 43568),

Gene: Strathdee_38 Start: 27083, Stop: 25908, Start Num: 84
Candidate Starts for Strathdee_38:
(28, 27203), (50, 27152), (Start: 81 @27092 has 16 MA's), (Start: 84 @27083 has 138 MA's), (153, 26960), (Start: 157 @26945 has 1 MA's), (194, 26858), (248, 26708), (267, 26651), (363, 26357), (374, 26327), (385, 26297), (399, 26294), (438, 26189), (445, 26171), (450, 26159), (467, 26126), (488, 26075), (496, 26042),

Gene: Studio_39 Start: 25891, Stop: 24959, Start Num: 177
Candidate Starts for Studio_39:
(Start: 177 @25891 has 11 MA's), (238, 25732), (256, 25687), (303, 25525), (322, 25486), (359, 25384), (362, 25378), (368, 25363), (376, 25336), (413, 25297), (435, 25237), (453, 25192), (479, 25135), (501, 25072), (505, 25063), (522, 25009),

Gene: Stuff_50 Start: 36182, Stop: 37180, Start Num: 130
Candidate Starts for Stuff_50:
(26, 35945), (27, 35951), (59, 36023), (Start: 130 @36182 has 11 MA's), (Start: 198 @36347 has 1 MA's), (209, 36371), (251, 36479), (261, 36512), (266, 36536), (301, 36626), (303, 36632), (306, 36644), (307, 36647), (327, 36716), (368, 36806), (421, 36902), (464, 37013), (521, 37157),

Gene: Sucha_40 Start: 25225, Stop: 26232, Start Num: 106
Candidate Starts for Sucha_40:
(Start: 106 @25225 has 22 MA's), (Start: 198 @25435 has 1 MA's), (263, 25582), (283, 25645), (327, 25789), (330, 25801), (366, 25864), (375, 25891), (378, 25897), (431, 25981), (436, 25996), (470, 26071), (498, 26158),

Gene: Sukkupi_67 Start: 51527, Stop: 50328, Start Num: 66
Candidate Starts for Sukkupi_67:
(Start: 66 @51527 has 52 MA's), (Start: 174 @51308 has 2 MA's), (183, 51284), (Start: 198 @51248 has 1 MA's), (199, 51245), (200, 51242), (210, 51215), (219, 51197), (238, 51140), (316, 50942), (340, 50864), (374, 50777), (408, 50684), (413, 50669), (425, 50639), (426, 50636), (430, 50624), (445, 50582), (477, 50519), (479, 50510), (512, 50408), (514, 50402),

Gene: SummitAcademy_42 Start: 31170, Stop: 30112, Start Num: 136
Candidate Starts for SummitAcademy_42:
(Start: 136 @31170 has 10 MA's), (186, 31044), (197, 31017), (208, 30993), (216, 30960), (224, 30927), (240, 30882), (274, 30780), (299, 30699), (323, 30621), (341, 30573), (348, 30561), (379, 30480), (426, 30411), (428, 30405), (431, 30396), (446, 30360), (454, 30345), (492, 30258), (502, 30216), (506, 30204), (508, 30198), (513, 30183),

Gene: Supakev_39 Start: 27504, Stop: 28451, Start Num: 143
Candidate Starts for Supakev_39:
(Start: 143 @27504 has 21 MA's), (165, 27570), (207, 27669), (219, 27693), (241, 27759), (261, 27807), (266, 27831), (278, 27861), (283, 27879), (285, 27891), (299, 27933), (351, 28071), (363, 28092), (364, 28095), (477, 28302), (498, 28377), (500, 28380), (509, 28407), (511, 28410),

Gene: SuperSonics_80 Start: 52580, Stop: 53812, Start Num: 55
Candidate Starts for SuperSonics_80:
(Start: 55 @52580 has 4 MA's), (86, 52634), (105, 52673), (Start: 106 @52676 has 22 MA's), (110, 52685), (123, 52718), (Start: 135 @52742 has 1 MA's), (206, 52907), (210, 52919), (241, 53000), (283, 53105), (294, 53147), (334, 53285), (352, 53336), (373, 53387), (405, 53423), (426, 53471), (445, 53525), (477, 53588), (525, 53756), (539, 53798),

Gene: SuperSulley_68 Start: 53499, Stop: 52291, Start Num: 66
Candidate Starts for SuperSulley_68:
(Start: 66 @53499 has 52 MA's), (Start: 174 @53277 has 2 MA's), (183, 53253), (199, 53214), (200, 53211), (210, 53184), (219, 53166), (238, 53109), (320, 52896), (340, 52830), (384, 52719), (397, 52671), (430, 52590), (445, 52548), (473, 52494), (477, 52485), (479, 52476), (514, 52368),

Gene: Superfresh_38 Start: 27070, Stop: 25895, Start Num: 84
Candidate Starts for Superfresh_38:
(28, 27190), (50, 27139), (Start: 81 @27079 has 16 MA's), (Start: 84 @27070 has 138 MA's), (153, 26947), (Start: 157 @26932 has 1 MA's), (248, 26695), (267, 26638), (274, 26623), (363, 26344), (374, 26314), (385, 26284), (399, 26281), (438, 26176), (445, 26158), (450, 26146), (467, 26113), (488, 26062), (496, 26029),

Gene: SuperheroCarly_58 Start: 43224, Stop: 44402, Start Num: 63
Candidate Starts for SuperheroCarly_58:
(34, 43179), (51, 43206), (52, 43209), (Start: 63 @43224 has 48 MA's), (Start: 83 @43272 has 3 MA's), (102, 43311), (Start: 106 @43323 has 22 MA's), (161, 43422), (188, 43485), (210, 43539), (229, 43587), (272, 43653), (308, 43767), (316, 43794), (324, 43824), (338, 43869), (441, 44103), (473, 44169), (477, 44178), (479, 44187), (520, 44313), (542, 44394),

Gene: Suppi_41 Start: 27580, Stop: 28527, Start Num: 137
Candidate Starts for Suppi_41:
(Start: 137 @27580 has 77 MA's), (197, 27724), (Start: 198 @27727 has 1 MA's), (Start: 203 @27742 has 1 MA's), (219, 27769), (240, 27832), (245, 27847), (263, 27895), (278, 27940), (281, 27952), (287, 27976), (326, 28102), (363, 28171), (364, 28174), (444, 28318), (477, 28378), (498, 28453), (500, 28456), (509, 28483), (511, 28486),

Gene: Survivors_39 Start: 29605, Stop: 28574, Start Num: 137
Candidate Starts for Survivors_39:
(Start: 137 @29605 has 77 MA's), (153, 29566), (Start: 174 @29509 has 2 MA's), (197, 29452), (213, 29422), (232, 29356), (240, 29335), (274, 29233), (283, 29203), (294, 29176), (307, 29128), (316, 29098), (400, 28933), (440, 28837), (446, 28819), (454, 28804),

Gene: Suzy_54 Start: 41757, Stop: 42902, Start Num: 62
Candidate Starts for Suzy_54:
(Start: 62 @41757 has 5 MA's), (Start: 67 @41766 has 11 MA's), (131, 41904), (218, 42081), (229, 42114), (334, 42360), (335, 42363), (336, 42369), (343, 42384), (356, 42420), (393, 42495), (396, 42504), (426, 42552), (436, 42582), (438, 42588), (450, 42618), (468, 42651), (477, 42669), (478, 42675), (504, 42756), (515, 42786), (518, 42798), (537, 42861),

Gene: SweatNTears_42 Start: 29688, Stop: 28657, Start Num: 145
Candidate Starts for SweatNTears_42:
(78, 29856), (90, 29817), (Start: 109 @29763 has 1 MA's), (126, 29724), (131, 29712), (Start: 145 @29688 has 28 MA's), (221, 29493), (240, 29430), (281, 29304), (299, 29247), (316, 29193), (333, 29142), (406, 29013), (410, 29004), (415, 28992), (431, 28947), (440, 28929), (446, 28911), (492, 28809),

Gene: Symere_37 Start: 26763, Stop: 25588, Start Num: 84
Candidate Starts for Symere_37:
(28, 26883), (50, 26832), (Start: 81 @26772 has 16 MA's), (Start: 84 @26763 has 138 MA's), (153, 26640), (Start: 157 @26625 has 1 MA's), (248, 26388), (267, 26331), (363, 26037), (374, 26007), (385, 25977), (399, 25974), (438, 25869), (445, 25851), (450, 25839), (467, 25806), (488, 25755), (496, 25722),

Gene: TMaxx_38 Start: 25180, Stop: 24239, Start Num: 177
Candidate Starts for TMaxx_38:
(Start: 177 @25180 has 11 MA's), (280, 24883), (283, 24871), (359, 24664), (368, 24643), (410, 24586), (413, 24577), (419, 24565), (453, 24472), (479, 24415), (501, 24352), (505, 24343), (522, 24289),

Gene: Talia1610_103 Start: 82860, Stop: 83831, Start Num: 162
Candidate Starts for Talia1610_103:
(Start: 162 @82860 has 13 MA's), (171, 82884), (Start: 181 @82905 has 5 MA's), (221, 83004), (225, 83019), (233, 83043), (245, 83076), (283, 83193), (286, 83208), (322, 83304), (325, 83313), (363, 83418), (369, 83433), (372, 83442), (419, 83517), (433, 83559), (453, 83610), (463, 83631), (505, 83739), (515, 83769),

Gene: Tarnish_43 Start: 31680, Stop: 30622, Start Num: 136
Candidate Starts for Tarnish_43:
(125, 31704), (Start: 136 @31680 has 10 MA's), (186, 31554), (208, 31503), (213, 31479), (216, 31470), (224, 31437), (240, 31392), (274, 31290), (299, 31209), (323, 31131), (341, 31083), (379, 30990), (413, 30954), (426, 30921), (428, 30915), (431, 30906), (446, 30870), (447, 30867), (454, 30855), (502, 30726), (506, 30714), (508, 30708), (513, 30693),

Gene: TatarkaPM_38 Start: 27087, Stop: 25909, Start Num: 84
Candidate Starts for TatarkaPM_38:
(28, 27207), (50, 27156), (Start: 81 @27096 has 16 MA's), (Start: 84 @27087 has 138 MA's), (153, 26964), (Start: 157 @26949 has 1 MA's), (248, 26712), (267, 26655), (274, 26640), (363, 26361), (374, 26331), (385, 26301), (399, 26298), (438, 26193), (445, 26175), (450, 26163), (467, 26130), (488, 26079), (496, 26046),

Gene: TattModd_40 Start: 27321, Stop: 28268, Start Num: 137
Candidate Starts for TattModd_40:
(Start: 137 @27321 has 77 MA's), (167, 27390), (192, 27453), (197, 27465), (Start: 198 @27468 has 1 MA's), (209, 27492), (245, 27588), (263, 27636), (272, 27666), (281, 27693), (283, 27699), (304, 27765), (364, 27915), (368, 27924), (427, 28011), (444, 28059), (477, 28119), (498, 28194), (500, 28197), (509, 28224), (511, 28227),

Gene: Teagan_38 Start: 27078, Stop: 25903, Start Num: 84
Candidate Starts for Teagan_38:
(50, 27147), (Start: 81 @27087 has 16 MA's), (Start: 84 @27078 has 138 MA's), (153, 26955), (194, 26853), (248, 26703), (267, 26646), (363, 26352), (374, 26322), (385, 26292), (399, 26289), (438, 26184), (445, 26166), (450, 26154), (467, 26121), (488, 26070), (496, 26037),

Gene: TeddyBear_37 Start: 26780, Stop: 25605, Start Num: 84
Candidate Starts for TeddyBear_37:
(28, 26900), (50, 26849), (Start: 81 @26789 has 16 MA's), (Start: 84 @26780 has 138 MA's), (153, 26657), (164, 26624), (248, 26405), (267, 26348), (363, 26054), (374, 26024), (385, 25994), (399, 25991), (438, 25886), (445, 25868), (450, 25856), (467, 25823), (488, 25772), (496, 25739),

Gene: Tedro_43 Start: 28325, Stop: 29431, Start Num: 66
Candidate Starts for Tedro_43:
(1, 27932), (4, 28013), (Start: 66 @28325 has 52 MA's), (Start: 75 @28346 has 1 MA's), (185, 28556), (210, 28619), (246, 28715), (294, 28820), (338, 28970), (445, 29183), (475, 29240), (501, 29324), (518, 29381),

Gene: Temper16_39 Start: 27511, Stop: 28464, Start Num: 143
Candidate Starts for Temper16_39:
(Start: 143 @27511 has 21 MA's), (163, 27568), (Start: 198 @27658 has 1 MA's), (207, 27676), (241, 27766), (261, 27817), (272, 27856), (278, 27871), (283, 27889), (285, 27901), (302, 27949), (337, 28066), (363, 28105), (368, 28117), (477, 28315), (498, 28390), (509, 28420), (511, 28423),

Gene: Tenda_37 Start: 26778, Stop: 25603, Start Num: 84
Candidate Starts for Tenda_37:
(28, 26898), (50, 26847), (Start: 81 @26787 has 16 MA's), (Start: 84 @26778 has 138 MA's), (153, 26655), (Start: 157 @26640 has 1 MA's), (248, 26403), (267, 26346), (274, 26331), (363, 26052), (374, 26022), (385, 25992), (399, 25989), (438, 25884), (445, 25866), (450, 25854), (467, 25821), (488, 25770), (496, 25737),

Gene: Terapin_55 Start: 40488, Stop: 41633, Start Num: 62
Candidate Starts for Terapin_55:
(Start: 32 @40428 has 4 MA's), (Start: 62 @40488 has 5 MA's), (Start: 67 @40497 has 11 MA's), (131, 40635), (151, 40659), (218, 40812), (229, 40845), (334, 41091), (335, 41094), (336, 41100), (343, 41115), (396, 41235), (426, 41283), (436, 41313), (438, 41319), (450, 41349), (468, 41382), (477, 41400), (478, 41406), (504, 41487), (515, 41517), (518, 41529), (537, 41592),

Gene: Theresita_43 Start: 26461, Stop: 27471, Start Num: 106
Candidate Starts for Theresita_43:
(Start: 106 @26461 has 22 MA's), (197, 26668), (Start: 198 @26671 has 1 MA's), (263, 26821), (316, 26989), (330, 27040), (360, 27094), (431, 27220), (447, 27265), (472, 27313), (488, 27355), (498, 27397), (509, 27427), (516, 27448),

Gene: Thompsone_38 Start: 27085, Stop: 25910, Start Num: 84
Candidate Starts for Thompsone_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: Thorongil_38 Start: 27085, Stop: 25910, Start Num: 84
Candidate Starts for Thorongil_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (Start: 157 @26947 has 1 MA's), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: Thoth_57 Start: 43106, Stop: 44284, Start Num: 63

Candidate Starts for Thoth_57:
(6, 42824), (8, 42854), (14, 42917), (Start: 63 @43106 has 48 MA's), (Start: 83 @43154 has 3 MA's), (102, 43193), (Start: 106 @43205 has 22 MA's), (161, 43304), (188, 43367), (210, 43421), (229, 43469), (272, 43535), (308, 43649), (316, 43676), (324, 43706), (338, 43751), (441, 43985), (473, 44051), (477, 44060), (479, 44069), (520, 44195), (542, 44276),

Gene: Thumb_68 Start: 50115, Stop: 51404, Start Num: 46
Candidate Starts for Thumb_68:
(29, 50076), (Start: 41 @50100 has 1 MA's), (Start: 46 @50115 has 9 MA's), (104, 50229), (Start: 106 @50238 has 22 MA's), (110, 50247), (129, 50289), (208, 50463), (210, 50469), (229, 50520), (276, 50634), (281, 50652), (282, 50655), (285, 50670), (294, 50691), (330, 50823), (334, 50829), (393, 50967), (418, 51012), (426, 51030), (445, 51084), (476, 51144), (489, 51180), (518, 51276),

Gene: Tiggy93_43 Start: 28849, Stop: 30003, Start Num: 66
Candidate Starts for Tiggy93_43:
(1, 28450), (Start: 66 @28849 has 52 MA's), (Start: 75 @28870 has 1 MA's), (185, 29080), (210, 29143), (246, 29239), (294, 29344), (338, 29494), (374, 29584), (388, 29620), (408, 29650), (445, 29755), (475, 29812), (501, 29896), (518, 29953),

Gene: Tillicus_60 Start: 43238, Stop: 44398, Start Num: 65
Candidate Starts for Tillicus_60:
(Start: 65 @43238 has 42 MA's), (74, 43253), (Start: 130 @43382 has 11 MA's), (179, 43466), (200, 43517), (210, 43544), (272, 43658), (282, 43685), (294, 43721), (296, 43736), (303, 43751), (307, 43766), (316, 43796), (340, 43874), (364, 43934), (386, 43961), (408, 44009), (410, 44015), (447, 44117), (473, 44165), (477, 44174), (489, 44207), (517, 44300), (542, 44390),

Gene: TinSulphur_38 Start: 27084, Stop: 25909, Start Num: 84
Candidate Starts for TinSulphur_38:
(28, 27204), (50, 27153), (Start: 81 @27093 has 16 MA's), (Start: 84 @27084 has 138 MA's), (153, 26961), (Start: 157 @26946 has 1 MA's), (248, 26709), (267, 26652), (274, 26637), (363, 26358), (374, 26328), (385, 26298), (399, 26295), (438, 26190), (445, 26172), (450, 26160), (467, 26127), (488, 26076), (496, 26043),

Gene: TinyMiny_46 Start: 29721, Stop: 30818, Start Num: 70
Candidate Starts for TinyMiny_46:
(Start: 36 @29667 has 1 MA's), (Start: 70 @29721 has 5 MA's), (Start: 72 @29724 has 1 MA's), (Start: 75 @29730 has 1 MA's), (185, 29940), (187, 29946), (206, 29991), (210, 30003), (235, 30066), (246, 30099), (294, 30204), (345, 30366), (422, 30501), (430, 30525), (504, 30717), (518, 30765),

Gene: Tinyman4_36 Start: 25428, Stop: 24247, Start Num: 85
Candidate Starts for Tinyman4_36:
(15, 25644), (22, 25581), (31, 25536), (47, 25500), (Start: 85 @25428 has 5 MA's), (153, 25299), (170, 25251), (257, 25032), (260, 25020), (262, 25014), (267, 24990), (274, 24975), (288, 24924), (318, 24834), (374, 24666), (381, 24648), (402, 24627), (446, 24507), (467, 24465), (488, 24414), (496, 24381), (502, 24357), (506, 24345),

Gene: Tolls_42 Start: 29711, Stop: 28677, Start Num: 145
Candidate Starts for Tolls_42:
(Start: 145 @29711 has 28 MA's), (170, 29636), (221, 29516), (240, 29453), (274, 29351), (316, 29216), (406, 29036), (410, 29027), (431, 28970), (440, 28952), (446, 28934), (486, 28850),

Gene: Tongui_43 Start: 28445, Stop: 29551, Start Num: 66
Candidate Starts for Tongui_43:

(Start: 66 @28445 has 52 MA's), (Start: 75 @28466 has 1 MA's), (185, 28676), (210, 28739), (246, 28835), (294, 28940), (338, 29090), (445, 29303), (501, 29444), (518, 29501),

Gene: Tracker_66 Start: 52125, Stop: 50926, Start Num: 63
Candidate Starts for Tracker_66:
(Start: 63 @52125 has 48 MA's), (199, 51837), (200, 51834), (208, 51813), (210, 51807), (316, 51534), (320, 51522), (324, 51504), (335, 51471), (340, 51456), (374, 51369), (408, 51282), (424, 51240), (425, 51237), (426, 51234), (445, 51180), (475, 51123), (476, 51120), (477, 51117), (479, 51108), (514, 51000), (521, 50976),

Gene: TripleC_38 Start: 27531, Stop: 26590, Start Num: 177
Candidate Starts for TripleC_38:
(Start: 177 @27531 has 11 MA's), (252, 27330), (283, 27222), (359, 27015), (368, 26994), (413, 26928), (419, 26916), (453, 26823), (473, 26784), (479, 26766), (501, 26703), (505, 26694), (522, 26640),

Gene: Triscuit_78 Start: 48360, Stop: 49469, Start Num: 112
Candidate Starts for Triscuit_78:
(Start: 112 @48360 has 2 MA's), (Start: 122 @48390 has 3 MA's), (153, 48456), (163, 48483), (224, 48639), (236, 48672), (244, 48696), (291, 48837), (446, 49218), (452, 49230), (454, 49233), (456, 49236), (457, 49239), (470, 49263), (490, 49302), (494, 49317), (506, 49365), (510, 49377),

Gene: Troje_43 Start: 30162, Stop: 29134, Start Num: 145
Candidate Starts for Troje_43:
(90, 30291), (101, 30261), (Start: 119 @30207 has 1 MA's), (124, 30198), (Start: 145 @30162 has 28 MA's), (221, 29967), (240, 29904), (281, 29778), (288, 29754), (316, 29667), (333, 29616), (406, 29487), (431, 29421), (440, 29403), (446, 29385), (486, 29301), (513, 29208),

Gene: Troll4_57 Start: 43237, Stop: 44415, Start Num: 63
Candidate Starts for Troll4_57:
(6, 42955), (8, 42985), (14, 43048), (Start: 63 @43237 has 48 MA's), (Start: 83 @43285 has 3 MA's), (102, 43324), (Start: 106 @43336 has 22 MA's), (161, 43435), (188, 43498), (210, 43552), (229, 43600), (272, 43666), (308, 43780), (316, 43807), (324, 43837), (338, 43882), (441, 44116), (473, 44182), (477, 44191), (479, 44200), (520, 44326), (542, 44407),

Gene: TurboVicky_43 Start: 27685, Stop: 28698, Start Num: 106
Candidate Starts for TurboVicky_43:
(Start: 106 @27685 has 22 MA's), (165, 27814), (Start: 198 @27895 has 1 MA's), (227, 27964), (263, 28048), (289, 28132), (306, 28183), (326, 28252), (327, 28255), (375, 28357), (378, 28363), (431, 28447), (436, 28462), (459, 28513), (480, 28561), (498, 28624),

Gene: Turuncu_69 Start: 52823, Stop: 51867, Start Num: 175
Candidate Starts for Turuncu_69:
(Start: 175 @52823 has 1 MA's), (185, 52799), (199, 52763), (210, 52733), (229, 52685), (272, 52622), (340, 52403), (374, 52316), (384, 52292), (397, 52244), (426, 52175), (477, 52058), (479, 52049), (485, 52034), (521, 51917),

Gene: TwoBits_35 Start: 25411, Stop: 24233, Start Num: 92
Candidate Starts for TwoBits_35:
(24, 25555), (Start: 57 @25477 has 1 MA's), (Start: 69 @25459 has 8 MA's), (Start: 92 @25411 has 38 MA's), (153, 25297), (264, 24991), (267, 24979), (288, 24913), (363, 24685), (374, 24655), (385, 24625), (399, 24622), (428, 24547), (446, 24496), (492, 24391), (506, 24334),

Gene: Typher_45 Start: 27803, Stop: 28816, Start Num: 106
Candidate Starts for Typher_45:
(Start: 106 @27803 has 22 MA's), (165, 27932), (Start: 198 @28013 has 1 MA's), (227, 28082), (263, 28166), (289, 28250), (306, 28301), (326, 28370), (327, 28373), (375, 28475), (378, 28481), (431, 28565), (436, 28580), (459, 28631), (480, 28679), (498, 28742),

Gene: Typhonomachy_40 Start: 29500, Stop: 28469, Start Num: 145
Candidate Starts for Typhonomachy_40:
(Start: 145 @29500 has 28 MA's), (197, 29359), (240, 29242), (260, 29185), (281, 29116), (294, 29083), (316, 29005), (333, 28954), (431, 28759), (440, 28741), (446, 28723), (486, 28639), (492, 28621),

Gene: UNTPL_52 Start: 36210, Stop: 37214, Start Num: 127
Candidate Starts for UNTPL_52:
(9, 35823), (26, 35979), (59, 36057), (Start: 127 @36210 has 4 MA's), (Start: 130 @36216 has 11 MA's), (Start: 198 @36381 has 1 MA's), (209, 36405), (251, 36513), (261, 36546), (266, 36570), (285, 36630), (301, 36660), (303, 36666), (306, 36678), (307, 36681), (313, 36705), (318, 36714), (327, 36750), (368, 36840), (421, 36936), (459, 37035), (460, 37038), (464, 37047), (521, 37191),

Gene: Urla_40 Start: 27482, Stop: 28432, Start Num: 137
Candidate Starts for Urla_40:
(Start: 137 @27482 has 77 MA's), (192, 27614), (197, 27626), (Start: 198 @27629 has 1 MA's), (Start: 203 @27644 has 1 MA's), (209, 27653), (245, 27749), (263, 27797), (266, 27812), (281, 27854), (287, 27878), (304, 27926), (306, 27935), (351, 28052), (364, 28079), (368, 28088), (477, 28283), (487, 28313), (498, 28358), (500, 28361), (509, 28388), (511, 28391),

Gene: Vafari_36 Start: 24982, Stop: 23804, Start Num: 92
Candidate Starts for Vafari_36:
(53, 25054), (Start: 65 @25039 has 42 MA's), (Start: 92 @24982 has 38 MA's), (153, 24868), (267, 24550), (274, 24535), (288, 24484), (350, 24292), (363, 24256), (385, 24196), (399, 24193), (428, 24118), (430, 24112), (446, 24067), (492, 23962), (506, 23905),

Gene: Vallejo_42 Start: 27675, Stop: 28622, Start Num: 137
Candidate Starts for Vallejo_42:
(Start: 137 @27675 has 77 MA's), (167, 27744), (192, 27807), (197, 27819), (Start: 198 @27822 has 1 MA's), (209, 27846), (245, 27942), (263, 27990), (272, 28020), (281, 28047), (304, 28119), (364, 28269), (368, 28278), (427, 28365), (444, 28413), (477, 28473), (498, 28548), (500, 28551), (509, 28578), (511, 28581),

Gene: Velene_38 Start: 27083, Stop: 25908, Start Num: 84
Candidate Starts for Velene_38:
(28, 27203), (50, 27152), (Start: 81 @27092 has 16 MA's), (Start: 84 @27083 has 138 MA's), (153, 26960), (194, 26858), (248, 26708), (267, 26651), (363, 26357), (374, 26327), (385, 26297), (399, 26294), (438, 26189), (445, 26171), (450, 26159), (467, 26126), (488, 26075), (496, 26042),

Gene: Vine_45 Start: 31897, Stop: 30839, Start Num: 136
Candidate Starts for Vine_45:
(125, 31921), (Start: 136 @31897 has 10 MA's), (186, 31771), (208, 31720), (213, 31696), (216, 31687), (224, 31654), (240, 31609), (274, 31507), (299, 31426), (323, 31348), (341, 31300), (379, 31207), (413, 31171), (426, 31138), (428, 31132), (431, 31123), (438, 31108), (446, 31087), (454, 31072), (502, 30943), (506, 30931), (508, 30925), (513, 30910),

Gene: Virizion_71 Start: 47534, Stop: 46536, Start Num: 61

Candidate Starts for Virizion_71:
(Start: 61 @47534 has 7 MA's), (74, 47522), (210, 47243), (214, 47240), (273, 47111), (282, 47084), (294, 47048), (316, 46973), (320, 46961), (338, 46898), (441, 46799), (460, 46757), (477, 46724), (479, 46715), (501, 46643), (502, 46637), (526, 46553),

Gene: Visconti_58 Start: 43117, Stop: 44295, Start Num: 63
Candidate Starts for Visconti_58:
(6, 42835), (8, 42865), (14, 42928), (Start: 63 @43117 has 48 MA's), (Start: 83 @43165 has 3 MA's), (102, 43204), (Start: 106 @43216 has 22 MA's), (161, 43315), (188, 43378), (210, 43432), (229, 43480), (272, 43546), (308, 43660), (316, 43687), (324, 43717), (338, 43762), (441, 43996), (473, 44062), (477, 44071), (479, 44080), (520, 44206), (542, 44287),

Gene: Vispistious_38 Start: 27094, Stop: 25910, Start Num: 81
Candidate Starts for Vispistious_38:
(28, 27205), (50, 27154), (Start: 81 @27094 has 16 MA's), (Start: 84 @27085 has 138 MA's), (153, 26962), (Start: 157 @26947 has 1 MA's), (194, 26860), (248, 26710), (267, 26653), (363, 26359), (374, 26329), (385, 26299), (399, 26296), (438, 26191), (445, 26173), (450, 26161), (467, 26128), (488, 26077), (496, 26044),

Gene: Vulture_39 Start: 27432, Stop: 28382, Start Num: 143
Candidate Starts for Vulture_39:
(111, 27378), (Start: 143 @27432 has 21 MA's), (Start: 198 @27579 has 1 MA's), (207, 27597), (241, 27687), (261, 27738), (272, 27777), (278, 27792), (283, 27810), (285, 27822), (302, 27870), (337, 27987), (363, 28026), (368, 28038), (427, 28125), (444, 28173), (477, 28233), (498, 28308), (500, 28311), (509, 28338), (511, 28341),

Gene: WaddleDee_90 Start: 78467, Stop: 79393, Start Num: 181
Candidate Starts for WaddleDee_90:
(171, 78446), (Start: 181 @78467 has 5 MA's), (211, 78542), (225, 78581), (283, 78755), (286, 78770), (309, 78845), (324, 78872), (325, 78875), (330, 78896), (354, 78959), (363, 78980), (369, 78995), (373, 79007), (453, 79172), (463, 79193), (501, 79292), (505, 79301), (515, 79331),

Gene: WaldoWhy_59 Start: 43170, Stop: 44348, Start Num: 63
Candidate Starts for WaldoWhy_59:
(6, 42888), (8, 42918), (14, 42981), (Start: 63 @43170 has 48 MA's), (Start: 83 @43218 has 3 MA's), (102, 43257), (Start: 106 @43269 has 22 MA's), (161, 43368), (188, 43431), (210, 43485), (229, 43533), (272, 43599), (308, 43713), (316, 43740), (324, 43770), (338, 43815), (441, 44049), (473, 44115), (477, 44124), (479, 44133), (520, 44259), (542, 44340),

Gene: Wallaby_41 Start: 29706, Stop: 28675, Start Num: 137
Candidate Starts for Wallaby_41:
(Start: 137 @29706 has 77 MA's), (153, 29667), (Start: 174 @29610 has 2 MA's), (197, 29553), (213, 29523), (232, 29457), (240, 29436), (274, 29334), (283, 29304), (294, 29277), (307, 29229), (316, 29199), (400, 29034), (440, 28938), (446, 28920), (454, 28905),

Gene: Wardwill_37 Start: 25155, Stop: 23977, Start Num: 92
Candidate Starts for Wardwill_37:
(53, 25227), (Start: 65 @25212 has 42 MA's), (Start: 92 @25155 has 38 MA's), (153, 25041), (267, 24723), (274, 24708), (288, 24657), (350, 24465), (363, 24429), (385, 24369), (399, 24366), (428, 24291), (446, 24240), (492, 24135), (506, 24078),

Gene: Wawa_41 Start: 27508, Stop: 28455, Start Num: 137
Candidate Starts for Wawa_41:

(Start: 137 @27508 has 77 MA's), (192, 27640), (197, 27652), (Start: 198 @27655 has 1 MA's), (209, 27679), (245, 27775), (263, 27823), (272, 27853), (281, 27880), (304, 27952), (364, 28102), (368, 28111), (427, 28198), (444, 28246), (477, 28306), (498, 28381), (500, 28384), (509, 28411), (511, 28414),

Gene: Wayne_41 Start: 27626, Stop: 28573, Start Num: 137
Candidate Starts for Wayne_41:
(Start: 137 @27626 has 77 MA's), (197, 27770), (Start: 198 @27773 has 1 MA's), (Start: 203 @27788 has 1 MA's), (219, 27815), (240, 27878), (245, 27893), (263, 27941), (278, 27986), (281, 27998), (287, 28022), (326, 28148), (363, 28217), (364, 28220), (444, 28364), (477, 28424), (498, 28499), (500, 28502), (509, 28529), (511, 28532),

Gene: Weiss13_69 Start: 51402, Stop: 52571, Start Num: 67
Candidate Starts for Weiss13_69:
(Start: 67 @51402 has 11 MA's), (74, 51417), (91, 51459), (Start: 106 @51492 has 22 MA's), (205, 51693), (210, 51708), (274, 51840), (294, 51903), (296, 51918), (324, 52008), (332, 52035), (422, 52236), (424, 52242), (426, 52248), (475, 52359), (477, 52365), (518, 52497), (536, 52557),

Gene: Wentworth_66 Start: 47288, Stop: 46290, Start Num: 61
Candidate Starts for Wentworth_66:
(37, 47339), (Start: 61 @47288 has 7 MA's), (74, 47276), (210, 46997), (214, 46994), (249, 46898), (282, 46838), (294, 46802), (316, 46727), (320, 46715), (335, 46664), (338, 46652), (460, 46511), (477, 46478), (479, 46469), (501, 46397), (502, 46391), (512, 46367),

Gene: WestPM_34 Start: 25285, Stop: 24104, Start Num: 85
Candidate Starts for WestPM_34:
(47, 25357), (Start: 85 @25285 has 5 MA's), (153, 25156), (154, 25153), (170, 25108), (257, 24889), (262, 24871), (267, 24847), (274, 24832), (288, 24781), (318, 24691), (363, 24553), (374, 24523), (402, 24484), (446, 24364), (488, 24271), (496, 24238), (502, 24214), (506, 24202),

Gene: Wheezy_66 Start: 52339, Stop: 51140, Start Num: 63
Candidate Starts for Wheezy_66:
(Start: 63 @52339 has 48 MA's), (199, 52051), (200, 52048), (208, 52027), (210, 52021), (316, 51748), (320, 51736), (324, 51718), (335, 51685), (340, 51670), (374, 51583), (408, 51496), (425, 51451), (426, 51448), (475, 51337), (476, 51334), (477, 51331), (479, 51322), (502, 51244), (514, 51214), (521, 51190),

Gene: WhoseManz_67 Start: 49542, Stop: 48343, Start Num: 66
Candidate Starts for WhoseManz_67:
(Start: 66 @49542 has 52 MA's), (Start: 174 @49323 has 2 MA's), (183, 49299), (199, 49260), (200, 49257), (210, 49230), (219, 49212), (238, 49155), (316, 48957), (340, 48879), (350, 48852), (373, 48795), (374, 48792), (408, 48699), (425, 48654), (426, 48651), (430, 48639), (445, 48597), (477, 48534), (479, 48525), (512, 48423), (514, 48417), (521, 48393),

Gene: WildNOut_38 Start: 27082, Stop: 25907, Start Num: 84
Candidate Starts for WildNOut_38:
(28, 27202), (50, 27151), (Start: 81 @27091 has 16 MA's), (Start: 84 @27082 has 138 MA's), (153, 26959), (Start: 157 @26944 has 1 MA's), (194, 26857), (248, 26707), (267, 26650), (363, 26356), (374, 26326), (385, 26296), (399, 26293), (438, 26188), (445, 26170), (450, 26158), (467, 26125), (488, 26074), (496, 26041),

Gene: Wilkos_68 Start: 47443, Stop: 46445, Start Num: 61
Candidate Starts for Wilkos_68:

(37, 47494), (Start: 61 @47443 has 7 MA's), (74, 47431), (210, 47152), (214, 47149), (273, 47020), (282, 46993), (294, 46957), (316, 46882), (320, 46870), (335, 46819), (338, 46807), (460, 46666), (477, 46633), (479, 46624), (501, 46552), (502, 46546), (512, 46522),

Gene: WilliamStrong_36 Start: 26624, Stop: 25461, Start Num: 92
Candidate Starts for WilliamStrong_36:
(Start: 92 @26624 has 38 MA's), (111, 26612), (153, 26513), (Start: 157 @26498 has 1 MA's), (248, 26261), (262, 26228), (264, 26216), (267, 26204), (274, 26189), (288, 26138), (318, 26048), (363, 25910), (385, 25850), (423, 25787), (488, 25628), (502, 25571), (506, 25559),

Gene: WinnieLou_44 Start: 28440, Stop: 29546, Start Num: 66
Candidate Starts for WinnieLou_44:
(Start: 66 @28440 has 52 MA's), (Start: 75 @28461 has 1 MA's), (185, 28671), (206, 28722), (210, 28734), (246, 28830), (294, 28935), (338, 29085), (445, 29298), (501, 29439), (518, 29496),

Gene: Winzigespinne_37 Start: 26766, Stop: 25591, Start Num: 84
Candidate Starts for Winzigespinne_37:
(28, 26886), (50, 26835), (Start: 81 @26775 has 16 MA's), (Start: 84 @26766 has 138 MA's), (153, 26643), (Start: 157 @26628 has 1 MA's), (194, 26541), (248, 26391), (267, 26334), (274, 26319), (363, 26040), (374, 26010), (385, 25980), (399, 25977), (438, 25872), (445, 25854), (450, 25842), (467, 25809), (488, 25758), (496, 25725),

Gene: Wojtek_61 Start: 42920, Stop: 44134, Start Num: 65
Candidate Starts for Wojtek_61:
(Start: 65 @42920 has 42 MA's), (74, 42935), (Start: 130 @43064 has 11 MA's), (179, 43148), (200, 43199), (210, 43226), (272, 43340), (282, 43367), (296, 43418), (303, 43433), (307, 43448), (316, 43478), (340, 43556), (408, 43745), (447, 43853), (473, 43901), (477, 43910), (489, 43943), (517, 44036), (542, 44126),

Gene: Wolfwood_39 Start: 29677, Stop: 28646, Start Num: 137
Candidate Starts for Wolfwood_39:
(Start: 137 @29677 has 77 MA's), (153, 29638), (Start: 174 @29581 has 2 MA's), (197, 29524), (213, 29494), (232, 29428), (240, 29407), (274, 29305), (283, 29275), (294, 29248), (307, 29200), (316, 29170), (400, 29005), (440, 28909), (446, 28891), (454, 28876),

Gene: Wollypog_46 Start: 33478, Stop: 34599, Start Num: 71
Candidate Starts for Wollypog_46:
(Start: 71 @33478 has 1 MA's), (168, 33679), (182, 33697), (Start: 203 @33751 has 1 MA's), (210, 33769), (238, 33844), (316, 34045), (319, 34054), (374, 34210), (383, 34234), (408, 34246), (410, 34252), (424, 34288), (501, 34498), (518, 34549),

Gene: WonderBoy_38 Start: 26303, Stop: 27253, Start Num: 137
Candidate Starts for WonderBoy_38:
(Start: 137 @26303 has 77 MA's), (192, 26435), (197, 26447), (Start: 198 @26450 has 1 MA's), (209, 26474), (245, 26570), (263, 26618), (266, 26633), (281, 26675), (287, 26699), (302, 26741), (304, 26747), (351, 26873), (363, 26897), (364, 26900), (368, 26909), (444, 27044), (477, 27104), (498, 27179), (509, 27209), (511, 27212),

Gene: Xebius_37 Start: 26794, Stop: 25631, Start Num: 92
Candidate Starts for Xebius_37:
(Start: 69 @26830 has 8 MA's), (Start: 73 @26821 has 3 MA's), (Start: 92 @26794 has 38 MA's), (153, 26683), (154, 26680), (170, 26635), (241, 26449), (257, 26416), (262, 26398), (267, 26374), (274, 26359), (288, 26308), (318, 26218), (363, 26080), (374, 26050), (385, 26020), (410, 25993), (446,

25891), (488, 25798), (496, 25765), (502, 25741), (506, 25729),

Gene: Xenia2_63 Start: 42310, Stop: 43470, Start Num: 65
Candidate Starts for Xenia2_63:
(51, 42286), (Start: 65 @42310 has 42 MA's), (74, 42322), (Start: 130 @42451 has 11 MA's), (Start: 181 @42541 has 5 MA's), (182, 42544), (200, 42586), (210, 42613), (218, 42628), (241, 42694), (282, 42754), (296, 42808), (307, 42838), (316, 42868), (337, 42940), (375, 43033), (390, 43042), (410, 43087), (444, 43180), (473, 43237), (477, 43246), (479, 43255), (489, 43279), (517, 43372),

Gene: Yakult_43 Start: 30412, Stop: 29396, Start Num: 145
Candidate Starts for Yakult_43:
(Start: 145 @30412 has 28 MA's), (Start: 150 @30397 has 3 MA's), (197, 30271), (213, 30241), (240, 30154), (260, 30097), (274, 30052), (281, 30028), (283, 30022), (313, 29923), (316, 29917), (323, 29893), (333, 29866), (426, 29689), (431, 29674), (452, 29626), (481, 29566), (492, 29536),

Gene: Yara_62 Start: 46145, Stop: 45150, Start Num: 68
Candidate Starts for Yara_62:
(Start: 68 @46145 has 1 MA's), (74, 46136), (210, 45857), (214, 45854), (282, 45698), (294, 45662), (302, 45635), (316, 45587), (320, 45575), (335, 45524), (338, 45512), (445, 45401), (460, 45371), (477, 45338), (479, 45329), (501, 45257), (512, 45227),

Gene: Yarn_38 Start: 29471, Stop: 28437, Start Num: 145
Candidate Starts for Yarn_38:
(Start: 145 @29471 has 28 MA's), (221, 29276), (240, 29213), (274, 29111), (316, 28976), (406, 28796), (410, 28787), (431, 28730), (440, 28712), (446, 28694), (486, 28610),

Gene: Yelo_68 Start: 51781, Stop: 52950, Start Num: 67
Candidate Starts for Yelo_68:
(Start: 67 @51781 has 11 MA's), (74, 51796), (91, 51838), (Start: 106 @51871 has 22 MA's), (205, 52072), (210, 52087), (250, 52186), (274, 52219), (294, 52282), (296, 52297), (324, 52387), (332, 52414), (422, 52615), (424, 52621), (426, 52627), (475, 52738), (477, 52744), (518, 52876), (536, 52936),

Gene: Yikes_67 Start: 44984, Stop: 46147, Start Num: 65
Candidate Starts for Yikes_67:
(Start: 65 @44984 has 42 MA's), (74, 44999), (Start: 130 @45128 has 11 MA's), (Start: 181 @45218 has 5 MA's), (182, 45221), (Start: 198 @45257 has 1 MA's), (210, 45290), (272, 45404), (282, 45431), (294, 45470), (296, 45485), (307, 45515), (316, 45545), (324, 45575), (340, 45623), (370, 45698), (377, 45719), (408, 45758), (445, 45860), (473, 45914), (477, 45923), (479, 45932), (489, 45956), (517, 46049), (542, 46139),

Gene: Yndexa_67 Start: 51527, Stop: 50328, Start Num: 66
Candidate Starts for Yndexa_67:
(Start: 66 @51527 has 52 MA's), (Start: 174 @51308 has 2 MA's), (183, 51284), (Start: 198 @51248 has 1 MA's), (199, 51245), (200, 51242), (210, 51215), (219, 51197), (238, 51140), (316, 50942), (340, 50864), (374, 50777), (408, 50684), (413, 50669), (425, 50639), (426, 50636), (430, 50624), (445, 50582), (477, 50519), (479, 50510), (512, 50408), (514, 50402),

Gene: Yucky_45 Start: 31828, Stop: 30779, Start Num: 140
Candidate Starts for Yucky_45:
(Start: 140 @31828 has 2 MA's), (186, 31711), (208, 31660), (213, 31636), (216, 31627), (224, 31594), (240, 31549), (274, 31447), (299, 31366), (323, 31288), (341, 31240), (379, 31147), (413, 31111), (426, 31078), (428, 31072), (431, 31063), (438, 31048), (446, 31027), (447, 31024), (454, 31012),

(502, 30883), (506, 30871), (508, 30865), (513, 30850),

Gene: Yummy_43 Start: 29799, Stop: 28771, Start Num: 145
Candidate Starts for Yummy_43:
(76, 29973), (90, 29928), (Start: 145 @29799 has 28 MA's), (221, 29604), (240, 29541), (281, 29415), (299, 29358), (316, 29304), (333, 29253), (406, 29124), (410, 29115), (415, 29103), (431, 29058), (440, 29040), (446, 29022), (492, 28920), (513, 28845),

Gene: YuuY_36 Start: 27283, Stop: 26087, Start Num: 81
Candidate Starts for YuuY_36:
(47, 27346), (Start: 81 @27283 has 16 MA's), (Start: 84 @27274 has 138 MA's), (Start: 148 @27166 has 1 MA's), (153, 27151), (262, 26857), (264, 26845), (267, 26833), (274, 26818), (288, 26767), (363, 26539), (385, 26479), (399, 26476), (423, 26416), (428, 26401), (446, 26350), (467, 26308), (488, 26257), (506, 26188),

Gene: Zada_38 Start: 27054, Stop: 25879, Start Num: 84
Candidate Starts for Zada_38:
(28, 27174), (50, 27123), (Start: 81 @27063 has 16 MA's), (Start: 84 @27054 has 138 MA's), (153, 26931), (Start: 157 @26916 has 1 MA's), (194, 26829), (248, 26679), (267, 26622), (274, 26607), (363, 26328), (374, 26298), (385, 26268), (399, 26265), (438, 26160), (445, 26142), (450, 26130), (467, 26097), (488, 26046), (496, 26013),

Gene: Zanella_42 Start: 27511, Stop: 28524, Start Num: 106
Candidate Starts for Zanella_42:
(Start: 106 @27511 has 22 MA's), (Start: 198 @27721 has 1 MA's), (227, 27790), (263, 27874), (289, 27958), (306, 28009), (326, 28078), (327, 28081), (375, 28183), (378, 28189), (431, 28273), (436, 28288), (459, 28339), (480, 28387), (498, 28450),

Gene: Zany_63 Start: 44385, Stop: 45548, Start Num: 65
Candidate Starts for Zany_63:
(Start: 65 @44385 has 42 MA's), (74, 44400), (Start: 130 @44529 has 11 MA's), (Start: 181 @44619 has 5 MA's), (182, 44622), (Start: 198 @44658 has 1 MA's), (210, 44691), (272, 44805), (282, 44832), (294, 44871), (296, 44886), (307, 44916), (316, 44946), (324, 44976), (340, 45024), (408, 45159), (445, 45261), (473, 45315), (477, 45324), (479, 45333), (489, 45357), (517, 45450), (542, 45540),

Gene: Zareef_39 Start: 29699, Stop: 28668, Start Num: 137
Candidate Starts for Zareef_39:
(Start: 137 @29699 has 77 MA's), (153, 29660), (Start: 174 @29603 has 2 MA's), (197, 29546), (213, 29516), (232, 29450), (240, 29429), (274, 29327), (283, 29297), (294, 29270), (307, 29222), (316, 29192), (400, 29027), (440, 28931), (446, 28913), (454, 28898),

Gene: Zayuliv_35 Start: 25574, Stop: 24396, Start Num: 92
Candidate Starts for Zayuliv_35:
(53, 25646), (Start: 65 @25631 has 42 MA's), (Start: 92 @25574 has 38 MA's), (153, 25460), (267, 25142), (274, 25127), (288, 25076), (350, 24884), (363, 24848), (385, 24788), (399, 24785), (428, 24710), (446, 24659), (492, 24554), (506, 24497),

Gene: Zenitsu_37 Start: 26827, Stop: 25664, Start Num: 92
Candidate Starts for Zenitsu_37:
(Start: 69 @26863 has 8 MA's), (Start: 73 @26854 has 3 MA's), (Start: 92 @26827 has 38 MA's), (153, 26716), (170, 26668), (241, 26482), (257, 26449), (262, 26431), (267, 26407), (274, 26392), (288, 26341), (318, 26251), (363, 26113), (374, 26083), (385, 26053), (399, 26050), (410, 26026), (446, 25924), (488, 25831), (496, 25798), (502, 25774), (506, 25762),

Gene: Zenon_71 Start: 51725, Stop: 52894, Start Num: 67
Candidate Starts for Zenon_71:
(Start: 67 @51725 has 11 MA's), (74, 51740), (91, 51782), (Start: 106 @51815 has 22 MA's), (205, 52016), (210, 52031), (274, 52163), (294, 52226), (296, 52241), (332, 52358), (422, 52559), (424, 52565), (426, 52571), (475, 52682), (477, 52688), (518, 52820), (536, 52880),

Gene: Zepp_36 Start: 25033, Stop: 23855, Start Num: 92
Candidate Starts for Zepp_36:
(53, 25105), (Start: 65 @25090 has 42 MA's), (Start: 92 @25033 has 38 MA's), (153, 24919), (267, 24601), (274, 24586), (288, 24535), (350, 24343), (363, 24307), (385, 24247), (399, 24244), (428, 24169), (446, 24118), (492, 24013), (506, 23956),

Gene: Zion_69 Start: 50318, Stop: 49200, Start Num: 69
Candidate Starts for Zion_69:
(Start: 69 @50318 has 8 MA's), (129, 50183), (163, 50132), (191, 50069), (210, 50018), (226, 49976), (238, 49943), (247, 49922), (277, 49880), (280, 49871), (282, 49862), (294, 49826), (307, 49772), (370, 49589), (466, 49400), (477, 49379), (488, 49349), (508, 49277), (515, 49262), (517, 49253),

Gene: Zooman_97 Start: 74278, Stop: 73343, Start Num: 169
Candidate Starts for Zooman_97:
(Start: 169 @74278 has 6 MA's), (211, 74176), (214, 74173), (218, 74161), (229, 74125), (251, 74071), (271, 74020), (280, 73993), (283, 73981), (308, 73897), (315, 73891), (322, 73876), (328, 73852), (361, 73765), (372, 73735), (462, 73552), (463, 73549), (482, 73504), (506, 73438), (515, 73411),

Gene: Zorro_42 Start: 27635, Stop: 28582, Start Num: 137
Candidate Starts for Zorro_42:
(Start: 137 @27635 has 77 MA's), (192, 27767), (197, 27779), (Start: 198 @27782 has 1 MA's), (209, 27806), (245, 27902), (263, 27950), (272, 27980), (281, 28007), (304, 28079), (364, 28229), (368, 28238), (427, 28325), (444, 28373), (477, 28433), (498, 28508), (509, 28538), (511, 28541),

Gene: Zuko_80 Start: 60584, Stop: 61708, Start Num: 118
Candidate Starts for Zuko_80:
(21, 60317), (87, 60494), (Start: 118 @60584 has 2 MA's), (146, 60641), (Start: 148 @60647 has 1 MA's), (153, 60662), (220, 60851), (240, 60917), (244, 60929), (260, 60974), (262, 60983), (274, 61025), (280, 61043), (281, 61049), (283, 61055), (294, 61082), (306, 61127), (326, 61196), (331, 61208), (344, 61238), (426, 61415), (437, 61442), (446, 61466), (482, 61541), (496, 61574), (501, 61592), (506, 61610),